GC Extractable Analysis
Pesticides

Pesticide QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

GC Column 1: CLPPesticides
GC Column 2: CLPPesticidesII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-1S (L2447503-01)	64	60	51	51			0
MW-2S (L2447503-02)	56	48	61	59			0
MW-3S (L2447503-03)	67	55	70	67			0
MW-4D (L2447503-04)	77	65	77	77			0
MW-5S (L2447503-05)	68	58	70	71			0
MW-6D (L2447503-06)	72	65	58	56			0
MW-7S (L2447503-07)	72	63	63	60			0
MW-8S (L2447503-08)	69	59	73	74			0
DUP (L2447503-09)	74	63	65	75			0
FIELD BLANK (L2447503-10)	78	65	65	67			0
EQUIPMENT BLANK (L2447503-11)	71	73	55	61			0
WG1963569-1BLANK	69	62	58	54			0
WG1963569-2LCS	72	65	62	57			0
WG1963569-3LCSD	75	68	61	56			0
MW-7SMS	75	68	66	65			0
MW-7SMSD	65	59	59	57			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
Pesticides

Client : Alpha Geoscience **Lab Number** : L2447503
Project Name : HUNTINGTON READY MIX **Project Number** : 20116
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1963569-2 **Analysis Date** : 08/26/24 09:02 **File ID** : 11240826a-16
LCSD Sample ID : WG1963569-3 **Analysis Date** : 08/26/24 09:14 **File ID** : 11240826a-17

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	0.357	0.256	72	0.357	0.266	75	4	30-150	20
Lindane	0.357	0.260	73	0.357	0.271	76	4	30-150	20
Alpha-BHC	0.357	0.253	71	0.357	0.266	75	5	30-150	20
Beta-BHC	0.357	0.255	71	0.357	0.265	74	4	30-150	20
Heptachlor	0.357	0.272	76	0.357	0.290	81	6	30-150	20
Aldrin	0.357	0.254	71	0.357	0.274	77	8	30-150	20
Heptachlor epoxide	0.357	0.267	75	0.357	0.283	79	6	30-150	20
Endrin	0.357	0.281	79	0.357	0.301	84	7	30-150	20
Endrin aldehyde	0.357	0.242	68	0.357	0.259	73	7	30-150	20
Endrin ketone	0.357	0.280	78	0.357	0.298	83	6	30-150	20
Dieldrin	0.357	0.297	83	0.357	0.318	89	7	30-150	20
4,4'-DDE	0.357	0.259	73	0.357	0.284	80	9	30-150	20
4,4'-DDD	0.357	0.294	82	0.357	0.316	89	7	30-150	20
4,4'-DDT	0.357	0.278	78	0.357	0.304	85	9	30-150	20
Endosulfan I	0.357	0.265	74	0.357	0.282	79	6	30-150	20
Endosulfan II	0.357	0.282	79	0.357	0.301	84	6	30-150	20
Endosulfan sulfate	0.357	0.282	79	0.357	0.301	84	6	30-150	20
Methoxychlor	0.357	0.289	81	0.357	0.307	86	6	30-150	20
cis-Chlordane	0.357	0.250	70	0.357	0.264	74	5	30-150	20
trans-Chlordane	0.357	0.303	85	0.357	0.325	91	7	30-150	20

Matrix Spike Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/26/24 10:14
Matrix Spike	: WG1963569-4	**MS Analysis Date**	: 08/26/24 10:25
Matrix Spike Dup	: WG1963569-5	**MSD Analysis Date**	: 08/26/24 10:37

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	ND	0.357	0.255	71	0.357	0.223	62	13	30-150	30
Lindane	ND	0.357	0.270	76	0.357	0.234	66	14	30-150	30
Alpha-BHC	ND	0.357	0.262	73	0.357	0.231	65	13	30-150	30
Beta-BHC	ND	0.357	0.264	74	0.357	0.236	66	11	30-150	30
Heptachlor	ND	0.357	0.284	80	0.357	0.248	69	14	30-150	30
Aldrin	ND	0.357	0.265	74	0.357	0.232	65	13	30-150	30
Heptachlor epoxide	ND	0.357	0.279	78	0.357	0.245	69	13	30-150	30
Endrin	ND	0.357	0.297	83	0.357	0.260	73	13	30-150	30
Endrin aldehyde	ND	0.357	0.251	70	0.357	0.220	62	13	30-150	30
Endrin ketone	ND	0.357	0.294	82	0.357	0.261	73	12	30-150	30
Dieldrin	ND	0.357	0.314	88	0.357	0.276	77	13	30-150	30
4,4'-DDE	ND	0.357	0.272	76	0.357	0.239	67	13	30-150	30
4,4'-DDD	ND	0.357	0.310	87	0.357	0.273	76	13	30-150	30
4,4'-DDT	ND	0.357	0.295	83	0.357	0.260	73	13	30-150	30
Endosulfan I	ND	0.357	0.278	78	0.357	0.248	69	11	30-150	30
Endosulfan II	ND	0.357	0.298	83	0.357	0.261	73	13	30-150	30
Endosulfan sulfate	ND	0.357	0.296	83	0.357	0.262	73	12	30-150	30
Methoxychlor	ND	0.357	0.308	86	0.357	0.275	77	11	30-150	30
cis-Chlordane	ND	0.357	0.259	72	0.357	0.233	65	11	30-150	30
trans-Chlordane	ND	0.357	0.317	89	0.357	0.280	78	12	30-150	30

Method Blank Summary
Form 4
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1963569-1	**Lab File ID**	: 11240826a-15
Matrix	: WATER	**Extraction Date**	: 08/25/24
Analysis Date (1)	: 08/26/24 08:50	**Analysis Date (2)**	: 08/26/24 08:50
Instrument ID (1)	: PEST11	**Instrument ID (2)**	: PEST11

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1963569-2LCS	WG1963569-2	08/26/24 09:02	08/26/24 09:02
WG1963569-3LCSD	WG1963569-3	08/26/24 09:14	08/26/24 09:14
MW-1S	L2447503-01	08/26/24 09:50	08/26/24 09:50
MW-6D	L2447503-06	08/26/24 10:02	08/26/24 10:02
MW-7S	L2447503-07	08/26/24 10:14	08/26/24 10:14
MW-7SMS	WG1963569-4	08/26/24 10:25	08/26/24 10:25
MW-7SMSD	WG1963569-5	08/26/24 10:37	08/26/24 10:37
EQUIPMENT BLANK	L2447503-11	08/26/24 17:21	08/26/24 17:21
MW-2S	L2447503-02	08/26/24 17:57	08/26/24 17:57
MW-3S	L2447503-03	08/26/24 18:10	08/26/24 18:10
MW-4D	L2447503-04	08/26/24 18:22	08/26/24 18:22
MW-5S	L2447503-05	08/26/24 18:34	08/26/24 18:34
MW-8S	L2447503-08	08/26/24 18:47	08/26/24 18:47
DUP	L2447503-09	08/26/24 18:59	08/26/24 18:59
FIELD BLANK	L2447503-10	08/26/24 19:12	08/26/24 19:12

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PEST11	**Initial Calib. Date(s)**	: 08/01/24 08/01/24

Client ID	Lab ID	Date/Time Analyzed
R1860455-1 PEM	R1860455-1	08/01/24 18:25
Pesticides L1 (0.5ug/L)	R1860455-2	08/01/24 18:37
Pesticides L2 (1.0ug/L)	R1860455-3	08/01/24 18:49
Pesticides L3 (2.0ug/L)	R1860455-4	08/01/24 19:01
Pesticides L4 (3.0ug/L)	R1860455-5	08/01/24 19:13
Pesticides L5 (4.0ug/L)	R1860455-6	08/01/24 19:25
Pesticides L7 (10.0ug/L)	R1860455-7	08/01/24 19:37
Pesticides L8 (50.0ug/L)	R1860455-8	08/01/24 19:49
Pesticides L9 (100ug/L)	R1860455-9	08/01/24 20:01
Pesticides L10 (200ug/L)	R1860455-10	08/01/24 20:12
Pesticides L11 (400ug/L)	R1860455-11	08/01/24 20:25
R1860455-12 ICV	R1860455-12	08/01/24 20:36
Chlordane L3 (10ug/L)	R1860455-13	08/01/24 20:48
Chlordane L4 (20ug/L)	R1860455-14	08/01/24 21:00
Chlordane L5 (100ug/L)	R1860455-15	08/01/24 21:12
Chlordane L7 (500ug/L)	R1860455-16	08/01/24 21:24
Chlordane L8 (1000ug/L)	R1860455-18	08/01/24 21:36
Chlordane L9 (2000ug/L)	R1860455-17	08/01/24 21:48
Chlordane L10 (5000ug/L)	R1860455-19	08/01/24 22:00
R1860455-20 ICV	R1860455-20	08/01/24 22:12
Toxaphene L3 (20.0ug/L)	R1860455-21	08/01/24 22:24
Toxaphene L4 (100ug/L)	R1860455-22	08/01/24 22:36
Toxaphene L7 (1000ug/L)	R1860455-23	08/01/24 22:47
Toxaphene L8 (2000ug/L)	R1860455-24	08/01/24 22:59
Toxaphene L9 (5000ug/L)	R1860455-25	08/01/24 23:11
R1860455-26 ICV	R1860455-26	08/01/24 23:23
R1868601-1 PEM	R1868601-1	08/26/24 05:50
WG1963716-1 CCAL	WG1963716-1	08/26/24 06:02
WG1963716-2 CCAL	WG1963716-2	08/26/24 06:13
WG1963716-3 CCAL	WG1963716-3	08/26/24 06:25
WG1963569-1 BLANK	WG1963569-1	08/26/24 08:50
WG1963569-2 LCS	WG1963569-2	08/26/24 09:02
WG1963569-3 LCSD	WG1963569-3	08/26/24 09:14
MW-1S	L2447503-01	08/26/24 09:50
MW-6D	L2447503-06	08/26/24 10:02
MW-7S	L2447503-07	08/26/24 10:14
MW-7S MS	WG1963569-4	08/26/24 10:25
MW-7S MSD	WG1963569-5	08/26/24 10:37

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PEST20	**Initial Calib. Date(s)**	: 07/22/24 07/22/24

Client ID	Lab ID	Date/Time Analyzed
R1855973-8 PEM	R1855973-8	07/22/24 17:57
Pesticides L1 (0.5ug/L)	R1855973-9	07/22/24 18:09
Pesticides L2 (1.0ug/L)	R1855973-1	07/22/24 18:21
Pesticides L3 (2.0ug/L)	R1855973-2	07/22/24 18:34
Pesticides L4 (3.0ug/L)	R1855973-3	07/22/24 18:46
Pesticides L5 (4.0ug/L)	R1855973-4	07/22/24 18:59
Pesticides L7 (10.0ug/L)	R1855973-5	07/22/24 19:11
Pesticides L8 (50.0ug/L)	R1855973-6	07/22/24 19:24
Pesticides L9 (100ug/L)	R1855973-7	07/22/24 19:36
Pesticides L10 (200ug/L)	R1855973-10	07/22/24 19:48
Pesticides L11 (400ug/L)	R1855973-11	07/22/24 20:01
R1855973-12 ICV	R1855973-12	07/22/24 20:13
Chlordane L3 (10ug/L)	R1855973-13	07/22/24 20:26
Chlordane L4 (20ug/L)	R1855973-14	07/22/24 20:38
Chlordane L5 (100ug/L)	R1855973-16	07/22/24 20:51
Chlordane L7 (500ug/L)	R1855973-15	07/22/24 21:03
Chlordane L8 (1000ug/L)	R1855973-17	07/22/24 21:16
Chlordane L9 (2000ug/L)	R1855973-18	07/22/24 21:28
Chlordane L10 (5000ug/L)	R1855973-19	07/22/24 21:40
R1855973-20 ICV	R1855973-20	07/22/24 21:53
Toxaphene L3 (20.0ug/L)	R1855973-21	07/22/24 22:05
Toxaphene L4 (100ug/L)	R1855973-22	07/22/24 22:18
Toxaphene L7 (1000ug/L)	R1855973-23	07/22/24 22:30
Toxaphene L8 (2000ug/L)	R1855973-24	07/22/24 22:42
Toxaphene L9 (5000ug/L)	R1855973-26	07/22/24 22:55
R1855973-25 ICV	R1855973-25	07/22/24 23:07
R1868556-1 PEM	R1868556-1	08/26/24 07:34
WG1963797-2 CCAL	WG1963797-2	08/26/24 07:59
WG1963797-3 CCAL	WG1963797-3	08/26/24 08:11
WG1963797-4 CCAL	WG1963797-4	08/26/24 16:27
MW-2S	L2447503-02	08/26/24 17:57
MW-3S	L2447503-03	08/26/24 18:10
MW-4D	L2447503-04	08/26/24 18:22
MW-5S	L2447503-05	08/26/24 18:34
MW-8S	L2447503-08	08/26/24 18:47
DUP	L2447503-09	08/26/24 18:59
FIELD BLANK	L2447503-10	08/26/24 19:12

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PEST18	**Initial Calib. Date(s)**	: 08/15/24 08/15/24

Client ID	Lab ID	Date/Time Analyzed
R1866294-1 PEM	R1866294-1	08/15/24 13:54
Pesticides L1 (0.5ug/L)	R1866294-2	08/15/24 14:05
Pesticides L2 (1.0ug/L)	R1866294-3	08/15/24 14:16
Pesticides L3 (2.0ug/L)	R1866294-4	08/15/24 14:28
Pesticides L4 (3.0ug/L)	R1866294-5	08/15/24 14:39
Pesticides L5 (4.0ug/L)	R1866294-6	08/15/24 14:51
Pesticides L7 (10.0ug/L)	R1866294-7	08/15/24 15:02
Pesticides L8 (50.0ug/L)-	R1866294-8	08/15/24 15:14
Pesticides L9 (100ug/L)	R1866294-9	08/15/24 15:25
Pesticides L10 (200ug/L)	R1866294-10	08/15/24 15:36
Pesticides L11 (400ug/L)	R1866294-11	08/15/24 15:48
R1866294-12 ICV	R1866294-12	08/15/24 15:59
Chlordane L3 (10ug/L)	R1866294-13	08/15/24 16:11
Chlordane L4 (20ug/L)	R1866294-15	08/15/24 16:22
Chlordane L5 (100ug/L)	R1866294-14	08/15/24 16:34
Chlordane L7 (500ug/L)	R1866294-16	08/15/24 16:45
Chlordane L8 (1000ug/L)	R1866294-17	08/15/24 16:56
Chlordane L9 (2000ug/L)	R1866294-18	08/15/24 17:08
R1866294-19 ICV	R1866294-19	08/15/24 17:31
Toxaphene L3 (20.0ug/L)	R1866294-20	08/15/24 17:42
Toxaphene L4 (100ug/L)	R1866294-21	08/15/24 17:54
Toxaphene L7 (1000ug/L)	R1866294-22	08/15/24 18:05
Toxaphene L8 (2000ug/L)	R1866294-23	08/15/24 18:17
Toxaphene L9 (5000ug/L)	R1866294-25	08/15/24 18:28
R1866294-24 ICV	R1866294-24	08/15/24 18:39
R1868899-1 PEM	R1868899-1	08/26/24 06:43
WG1963730-2 CCAL	WG1963730-2	08/26/24 07:05
WG1963730-3 CCAL	WG1963730-3	08/26/24 07:17
WG1963730-4 CCAL	WG1963730-4	08/26/24 12:09
EQUIPMENT BLANK	L2447503-11	08/26/24 17:21

Date Created: 03/07/23
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File: PM14022-1
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Pesticides - EPA 8081B (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	1.6008	0.31349	ug/kg	30-150	30	30-150	50	50			
Lindane	58-89-9	0.667	0.298149	ug/kg	30-150	30	30-150	50	50			
Alpha-BHC	319-84-6	0.667	0.189428	ug/kg	30-150	30	30-150	50	50			
Beta-BHC	319-85-7	1.6008	0.60697	ug/kg	30-150	30	30-150	50	50			
Heptachlor	76-44-8	0.8004	0.358846	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	1.6008	0.563615	ug/kg	30-150	30	30-150	50	50			
Heptachlor epoxide	1024-57-3	3.0015	0.90045	ug/kg	30-150	30	30-150	50	50			
Endrin	72-20-8	0.667	0.27347	ug/kg	30-150	30	30-150	50	50			
Endrin aldehyde	7421-93-4	2.001	0.70035	ug/kg	30-150	30	30-150	50	50			
Endrin ketone	53494-70-5	1.6008	0.412206	ug/kg	30-150	30	30-150	50	50			
Dieldrin	60-57-1	1.0005	0.50025	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	1.6008	0.370185	ug/kg	30-150	30	30-150	50	50			
4,4'-DDD	72-54-8	1.6008	0.570952	ug/kg	30-150	30	30-150	50	50			
4,4'-DDT	50-29-3	3.0015	1.28731	ug/kg	30-150	30	30-150	50	50			
Endosulfan I	959-98-8	1.6008	0.378189	ug/kg	30-150	30	30-150	50	50			
Endosulfan II	33213-65-9	1.6008	0.534934	ug/kg	30-150	30	30-150	50	50			
Endosulfan sulfate	1031-07-8	0.667	0.317492	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	3.0015	0.9338	ug/kg	30-150	30	30-150	50	50			
Toxaphene	8001-35-2	30.015	8.4042	ug/kg	30-150	30	30-150	50	50			
Chlordane	57-74-9	13.34	5.30265	ug/kg	30-150	30	30-150	50	50			
cis-Chlordane	5103-71-9	2.001	0.557612	ug/kg	30-150	30	30-150	50	50			
trans-Chlordane	5103-74-2	2.001	0.528264	ug/kg	30-150	30	30-150	50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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

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Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	0.02	0.00467	ug/l	30-150	20	30-150	30	30			
Lindane	58-89-9	0.02	0.00434	ug/l	30-150	20	30-150	30	30			
Alpha-BHC	319-84-6	0.02	0.00439	ug/l	30-150	20	30-150	30	30			
Beta-BHC	319-85-7	0.02	0.0056	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.02	0.0031	ug/l	30-150	20	30-150	30	30			
Aldrin	309-00-2	0.02	0.00216	ug/l	30-150	20	30-150	30	30			
Heptachlor epoxide	1024-57-3	0.02	0.00415	ug/l	30-150	20	30-150	30	30			
Endrin	72-20-8	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Endrin aldehyde	7421-93-4	0.04	0.0081	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	0.04	0.00477	ug/l	30-150	20	30-150	30	30			
Dieldrin	60-57-1	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
4,4'-DDE	72-55-9	0.04	0.00381	ug/l	30-150	20	30-150	30	30			
4,4'-DDD	72-54-8	0.04	0.00464	ug/l	30-150	20	30-150	30	30			
4,4'-DDT	50-29-3	0.04	0.00432	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	0.02	0.00345	ug/l	30-150	20	30-150	30	30			
Endosulfan II	33213-65-9	0.04	0.00519	ug/l	30-150	20	30-150	30	30			
Endosulfan sulfate	1031-07-8	0.04	0.00481	ug/l	30-150	20	30-150	30	30			
Methoxychlor	72-43-5	0.2	0.00684	ug/l	30-150	20	30-150	30	30			
Toxaphene	8001-35-2	0.2	0.0627	ug/l	30-150	20	30-150	30	30			
Chlordane	57-74-9	0.2	0.0463	ug/l	40-140	20	30-150	30	30			
cis-Chlordane	5103-71-9	0.02	0.00666	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	0.02	0.00627	ug/l	30-150	20	30-150	30	30			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

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

Pesticide Sample Data

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 09:50
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-20	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 09:50
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-20	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:57
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-44	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:57
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-44	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:10
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-45	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:10
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-45	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:22
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-46	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:22
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-46	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:34
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-47	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:34
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-47	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 10:02
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-21	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 10:02
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-21	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 10:14
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-22	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 10:14
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-22	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:47
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-48	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:47
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-48	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:59
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-49	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:59
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-49	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:12
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-50	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:12
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-50	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:21
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18240826a-31	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST18
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:21
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18240826a-31	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST18
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963569-1	**Date Collected**	: NA
Client ID	: WG1963569-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/26/24 08:50
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-15	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963569-1	**Date Collected**	: NA
Client ID	: WG1963569-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/26/24 08:50
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-15	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-44.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 17:57
Operator : pest20:peg
Sample : L2447503-02,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:43:57 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.855	1.915	71019336	122.0E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 65622505				Recovery = 108.22%		
	Standard Area 1 : #2 = 111530630				Recovery = 109.39%		
28) i	1-br-2-nb_Ch	1.855	1.915	71019336	122.0E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.855	1.915	71019336	122.0E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.323	2.512	87734718	143.9E6	27.841M4	24.105M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 55.68%		48.21%
27) s	Decachlorobi	7.224	7.789	95560044	130.2E6	30.655M3	29.438M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 61.31%		58.88%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-44.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 17:57
Operator : pest20:peg
Sample : L2447503-02,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:43:57 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

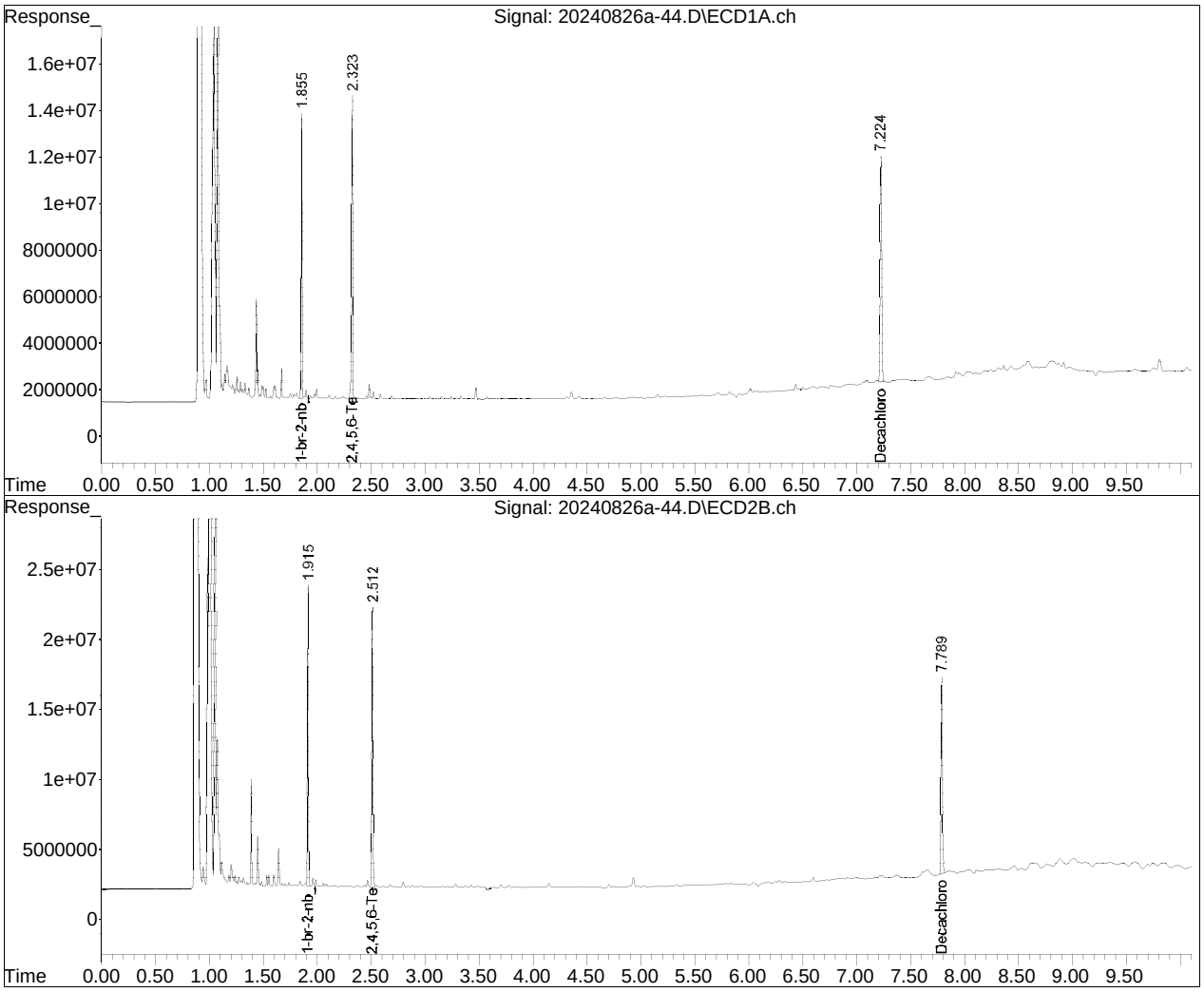
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\20240826a-39.D•

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-44.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 17:57
Operator : pest20:peg
Sample : L2447503-02,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:43:57 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

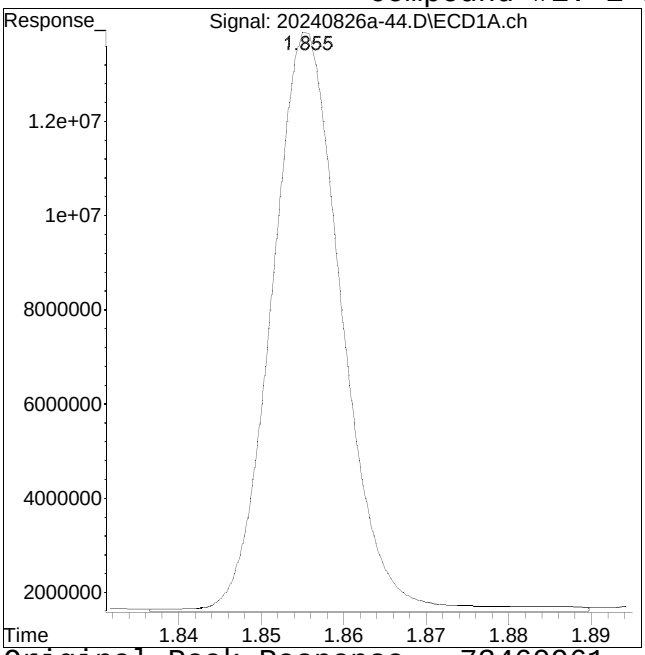
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

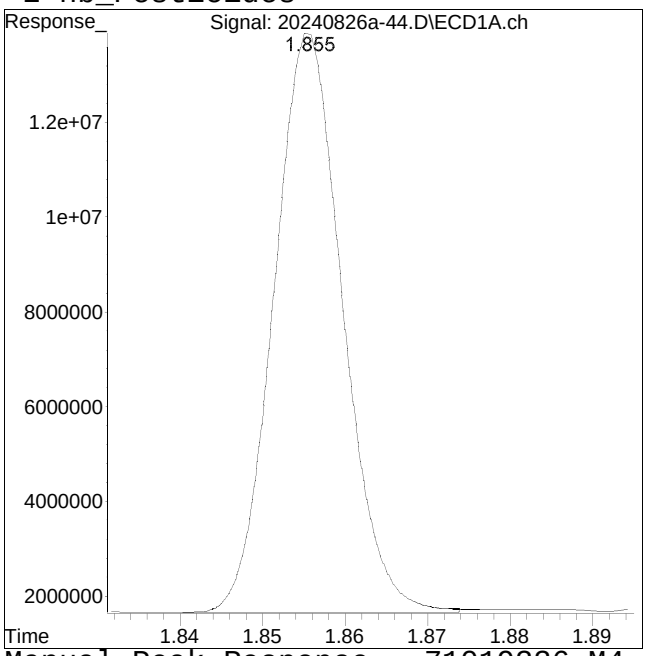


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-44.D Operator : pest20:peg
Date Inj'd : 8/26/2024 17:57 Instrument : PEST 20
Sample : L2447503-02,42,, Quant Date : 8/26/2024 11:43 pm

Compound #1: 1-br-2-nb_Pesticides



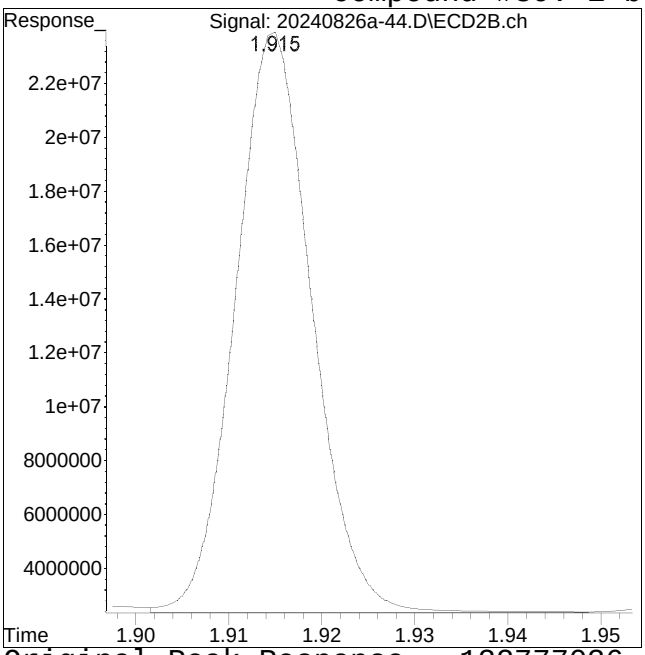


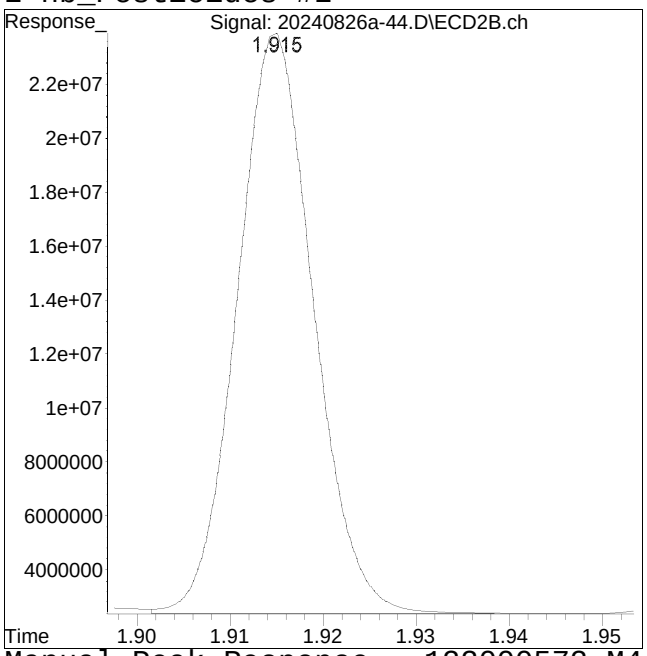
Original Peak Response = 73460961 Manual Peak Response = 71019336 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-44.D Operator : pest20:peg
Date Inj'd : 8/26/2024 17:57 Instrument : PEST 20
Sample : L2447503-02,42,, Quant Date : 8/26/2024 11:43 pm

Compound #39: 1-br-2-nb_Pesticides #2



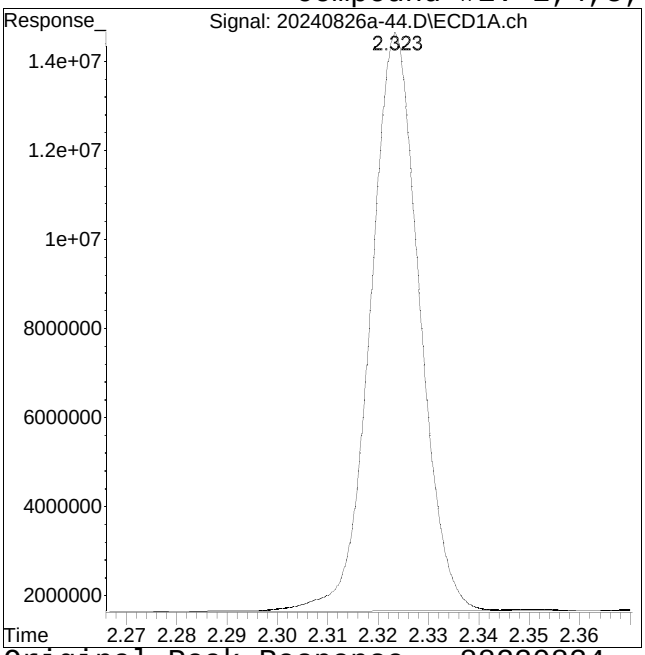


Original Peak Response = 122777036 Manual Peak Response = 122000572 M4
M4 = Poor automated baseline construction.

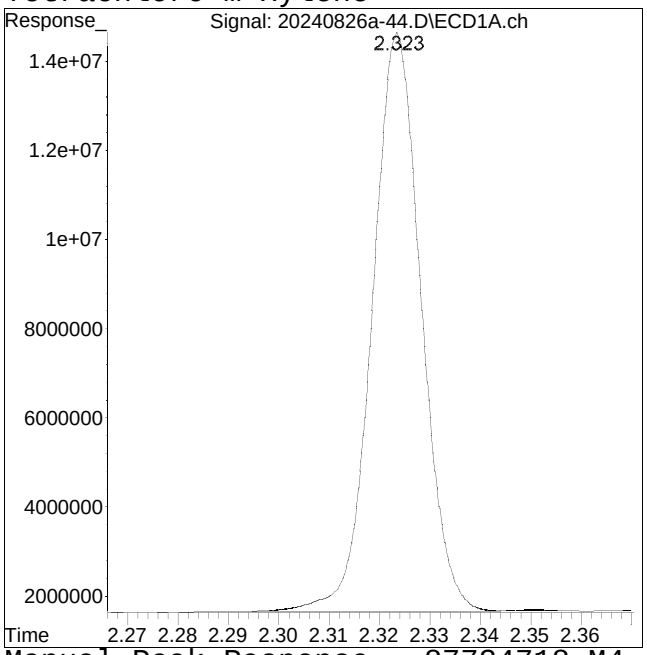
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-44.D Operator : pest20:peg
Date Inj'd : 8/26/2024 17:57 Instrument : PEST 20
Sample : L2447503-02,42,, Quant Date : 8/26/2024 11:43 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 88230834



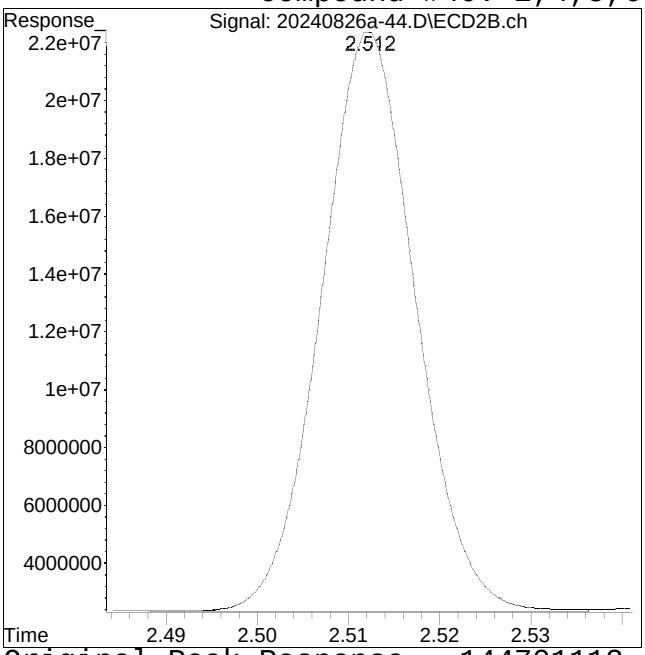
Manual Peak Response = 87734718 M4

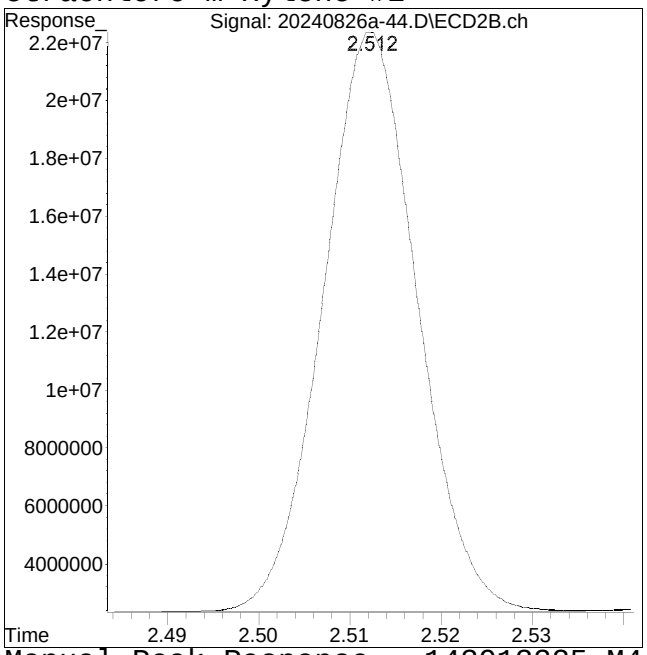
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-44.D Operator : pest20:peg
Date Inj'd : 8/26/2024 17:57 Instrument : PEST 20
Sample : L2447503-02,42,, Quant Date : 8/26/2024 11:43 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



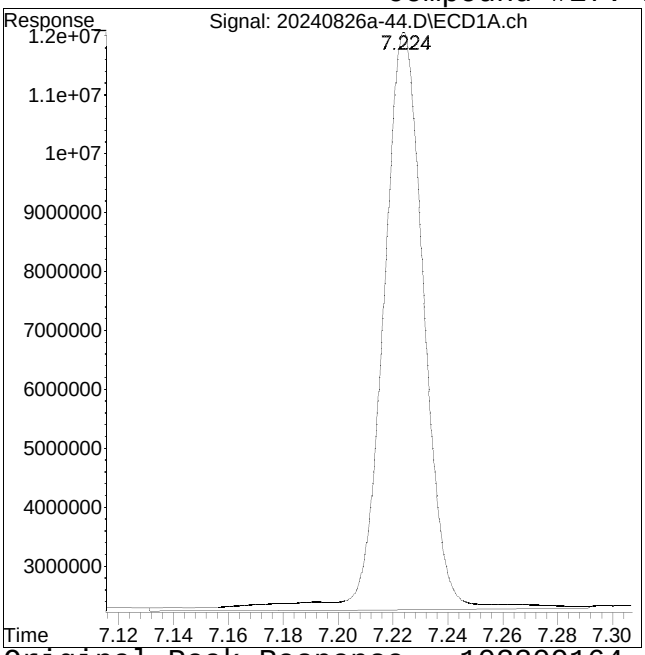


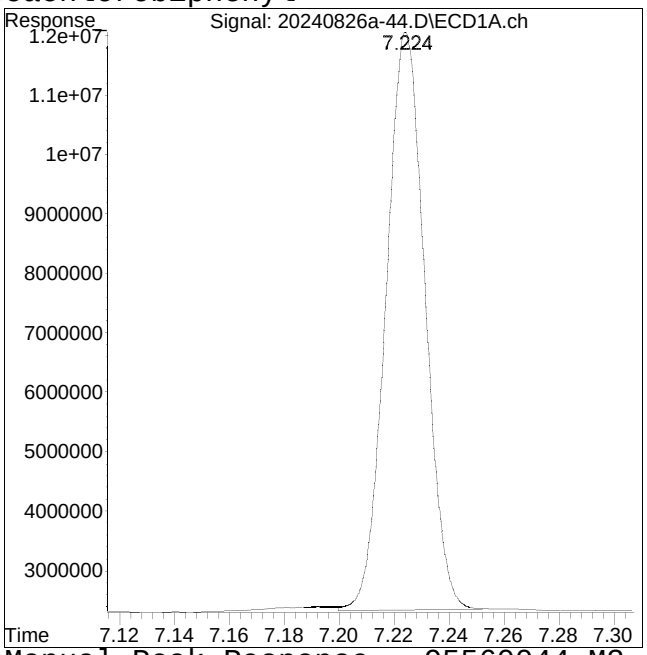
Original Peak Response = 144701112 Manual Peak Response = 143913325 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-44.D Operator : pest20:peg
Date Inj'd : 8/26/2024 17:57 Instrument : PEST 20
Sample : L2447503-02,42,, Quant Date : 8/26/2024 11:43 pm

Compound #27: Decachlorobiphenyl



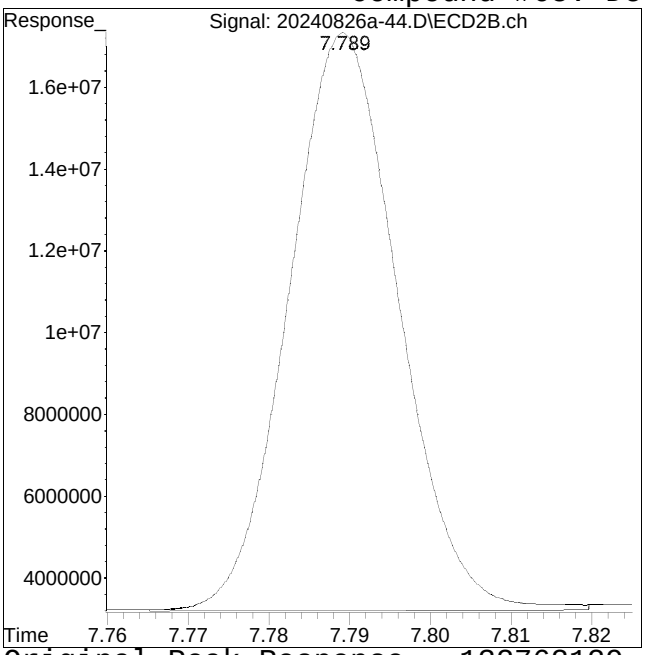


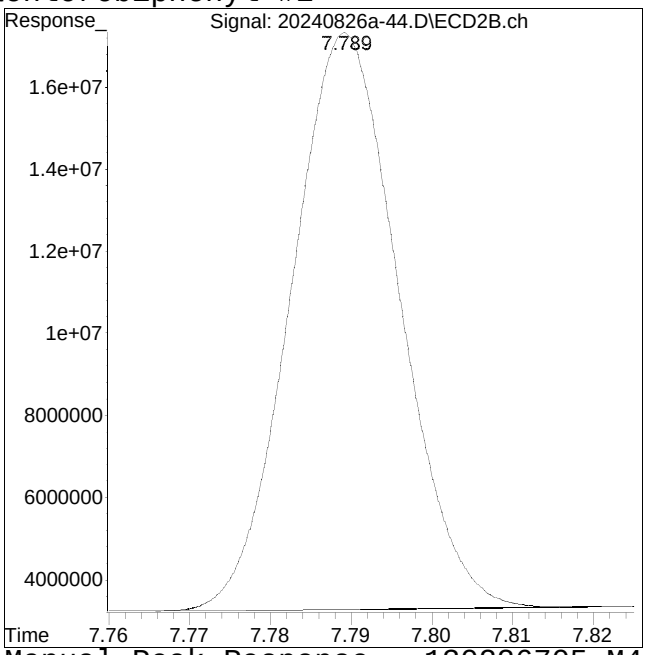
Original Peak Response = 103309164 Manual Peak Response = 95560044 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-44.D Operator : pest20:peg
Date Inj'd : 8/26/2024 17:57 Instrument : PEST 20
Sample : L2447503-02,42,, Quant Date : 8/26/2024 11:43 pm

Compound #65: Decachlorobiphenyl #2



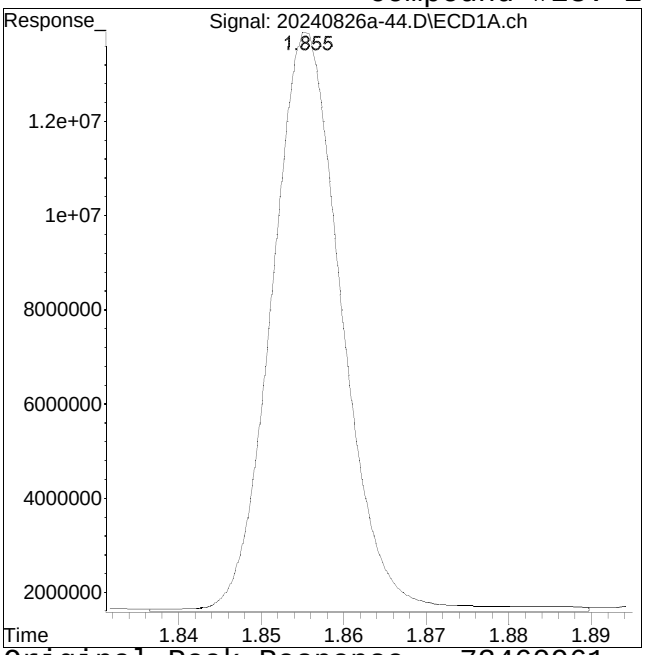


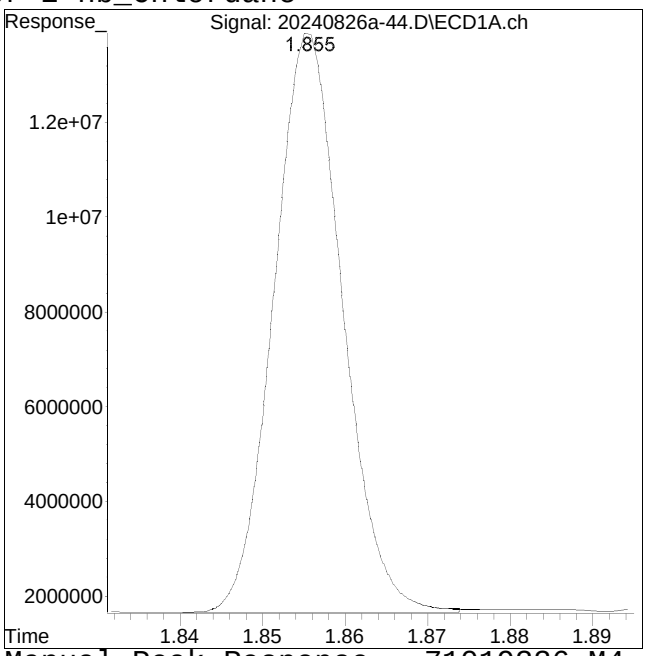
Original Peak Response = 132762129 Manual Peak Response = 130226705 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-44.D Operator : pest20:peg
Date Inj'd : 8/26/2024 17:57 Instrument : PEST 20
Sample : L2447503-02,42,, Quant Date : 8/26/2024 11:43 pm

Compound #28: 1-br-2-nb_Chlordane



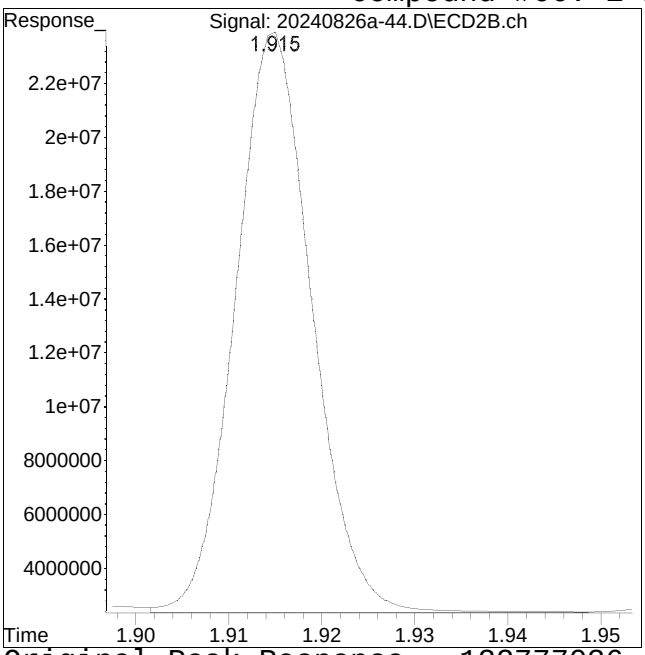


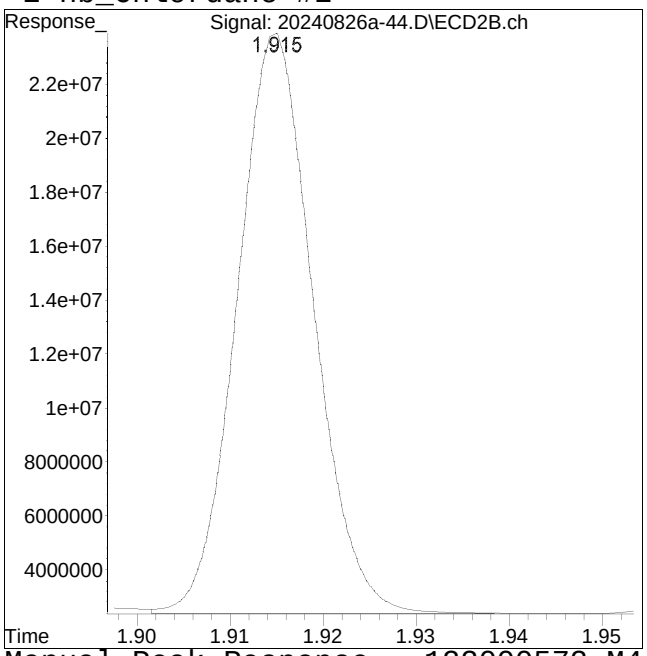
Original Peak Response = 73460961 Manual Peak Response = 71019336 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-44.D Operator : pest20:peg
Date Inj'd : 8/26/2024 17:57 Instrument : PEST 20
Sample : L2447503-02,42,, Quant Date : 8/26/2024 11:43 pm

Compound #66: 1-br-2-nb_Chlordane #2



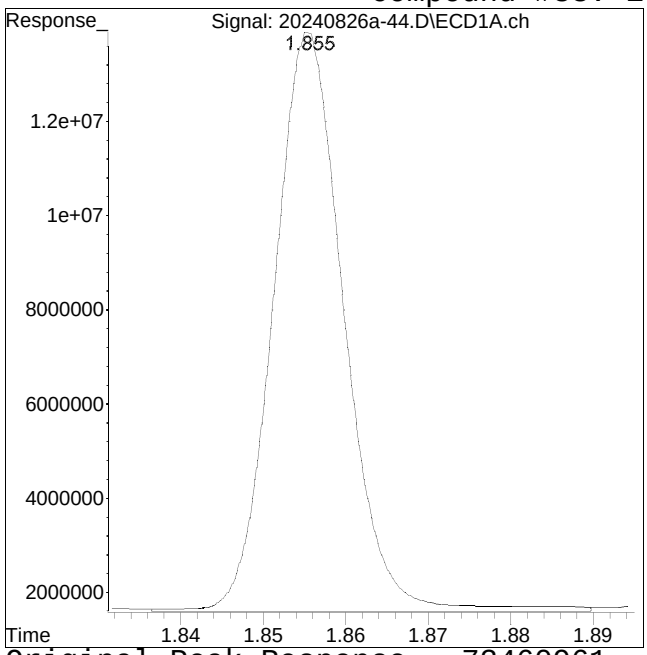


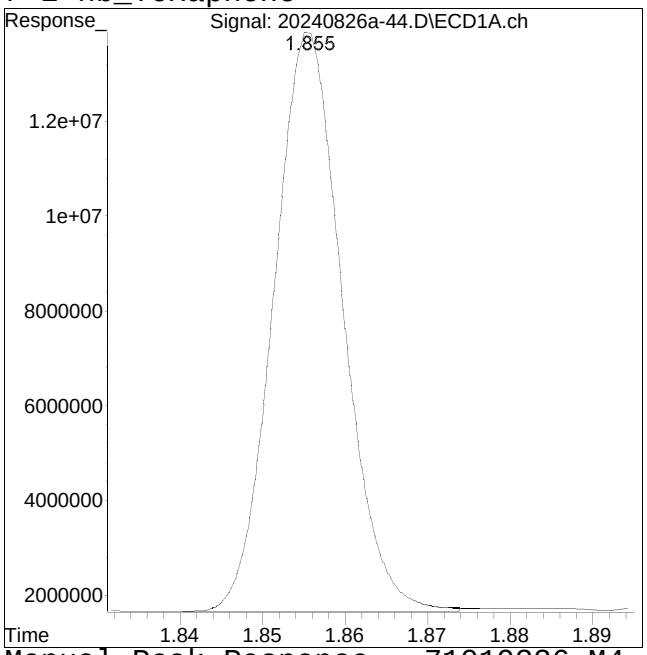
Original Peak Response = 122777036 Manual Peak Response = 122000572 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-44.D Operator : pest20:peg
Date Inj'd : 8/26/2024 17:57 Instrument : PEST 20
Sample : L2447503-02,42,, Quant Date : 8/26/2024 11:43 pm

Compound #33: 1-br-2-nb_Toxaphene



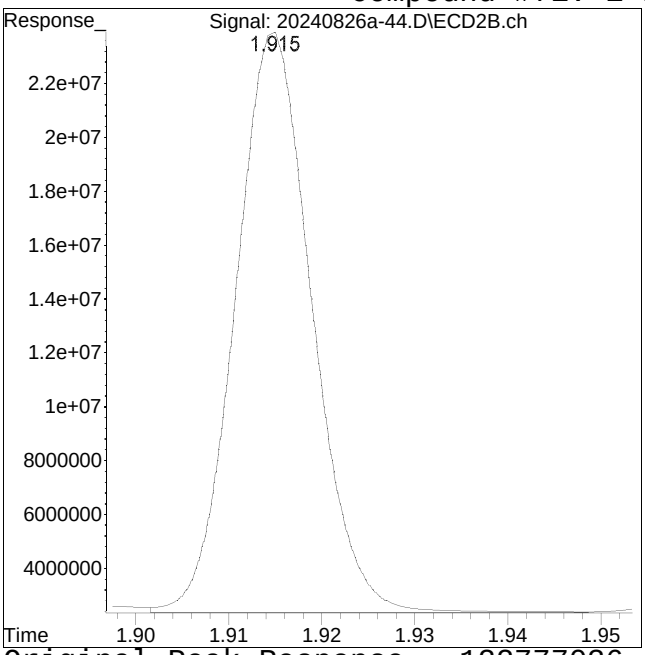


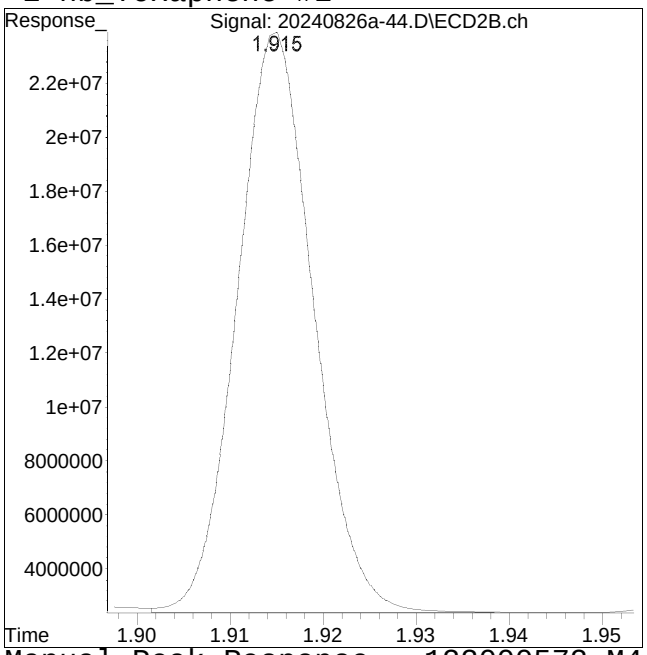
Original Peak Response = 73460961 Manual Peak Response = 71019336 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-44.D Operator : pest20:peg
Date Inj'd : 8/26/2024 17:57 Instrument : PEST 20
Sample : L2447503-02,42,, Quant Date : 8/26/2024 11:43 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 122777036 Manual Peak Response = 122000572 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-45.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:10
Operator : pest20:peg
Sample : L2447503-03,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:00 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.856	1.915	73529649	129.8E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 65622505				Recovery = 112.05%		
	Standard Area 1 : #2 = 111530630				Recovery = 116.38%		
28) i	1-br-2-nb_Ch	1.856	1.915	73529649	129.8E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.856	1.915	73529649	129.8E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.324	2.512	108.8E6	173.1E6	33.500M3	27.250M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 67.00%		54.50%
27) s	Decachlorobi	7.222	7.786	112.2E6	156.2E6	34.978M4	33.336M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 69.96%		66.67%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-45.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:10
Operator : pest20:peg
Sample : L2447503-03,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:00 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

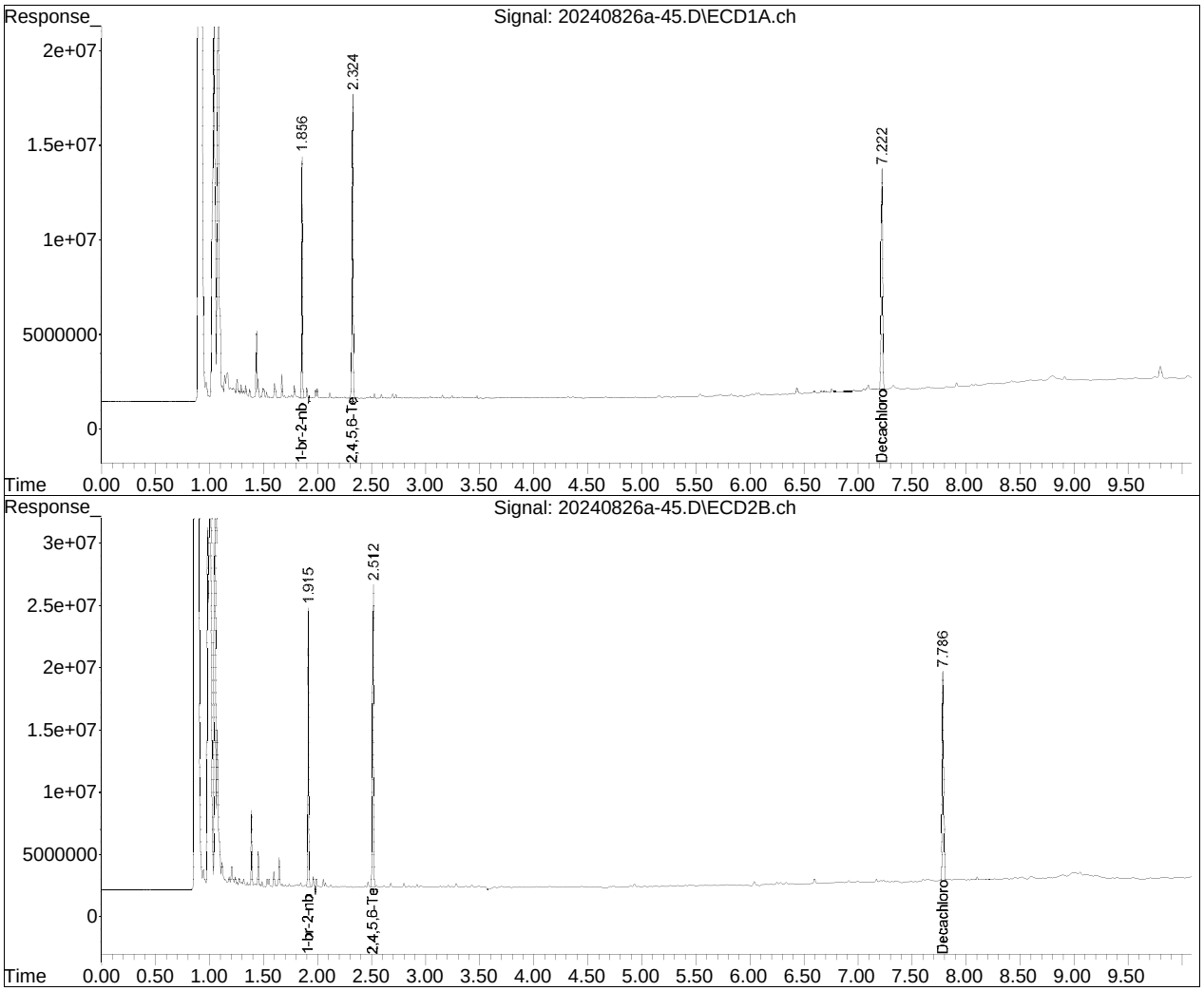
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\20240826a-39.D•

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-45.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:10
Operator : pest20:peg
Sample : L2447503-03,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:00 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

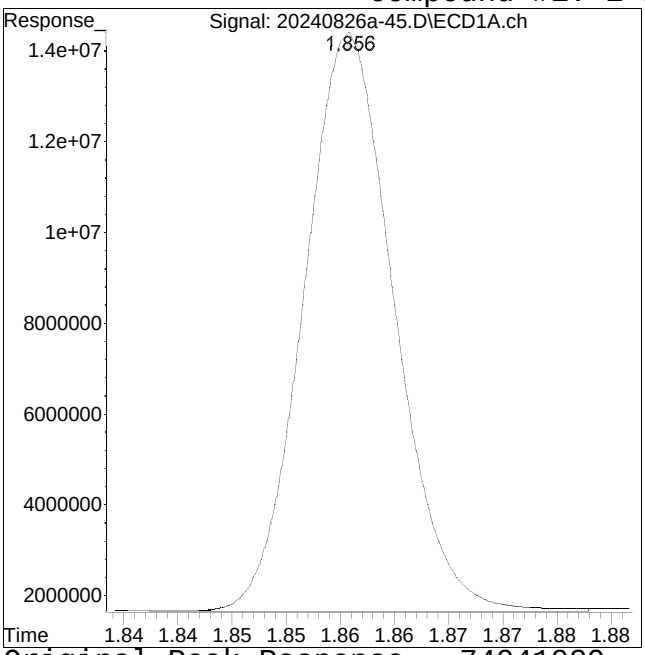
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

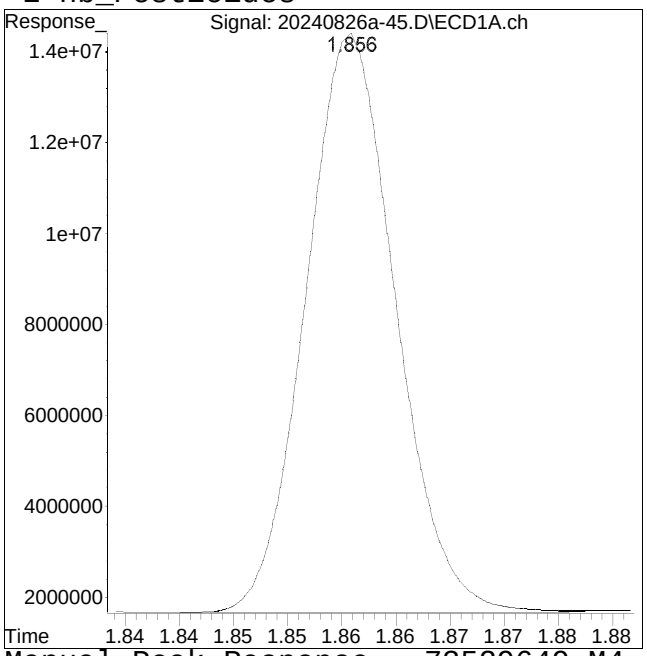


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-45.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:10 Instrument : PEST 20
Sample : L2447503-03,42,, Quant Date : 8/26/2024 11:44 pm

Compound #1: 1-br-2-nb_Pesticides



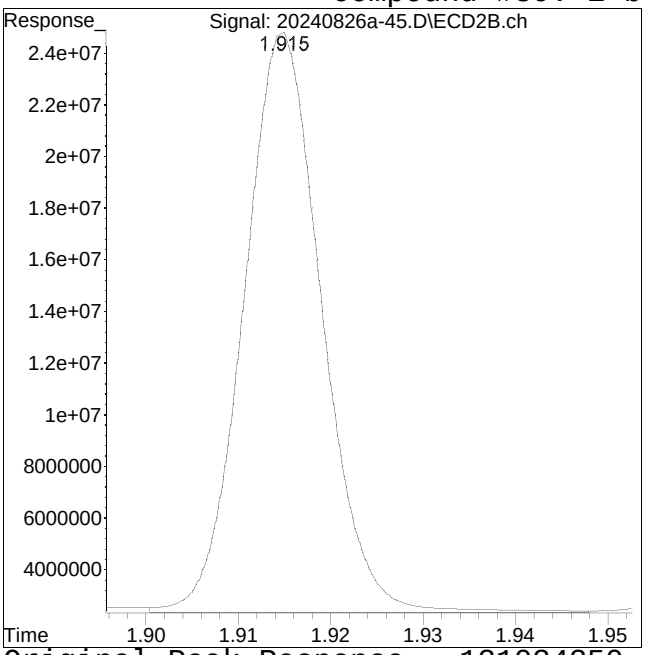


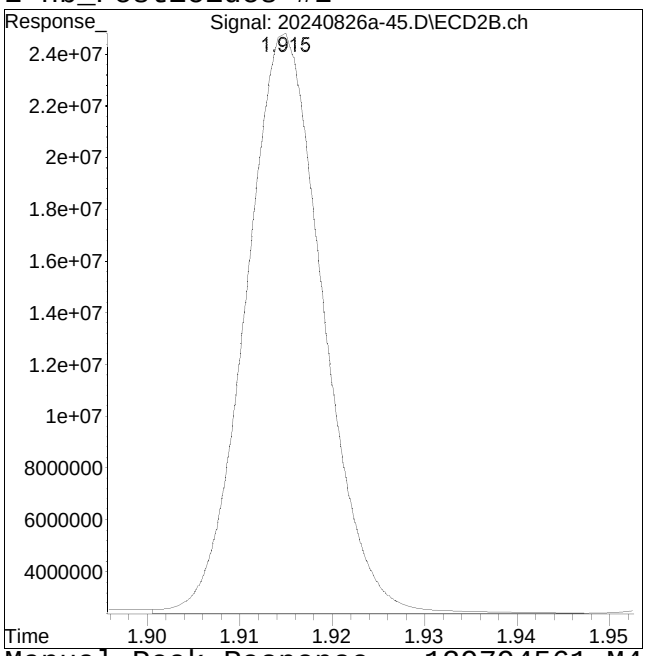
Original Peak Response = 74041029 Manual Peak Response = 73529649 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-45.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:10 Instrument : PEST 20
Sample : L2447503-03,42,, Quant Date : 8/26/2024 11:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



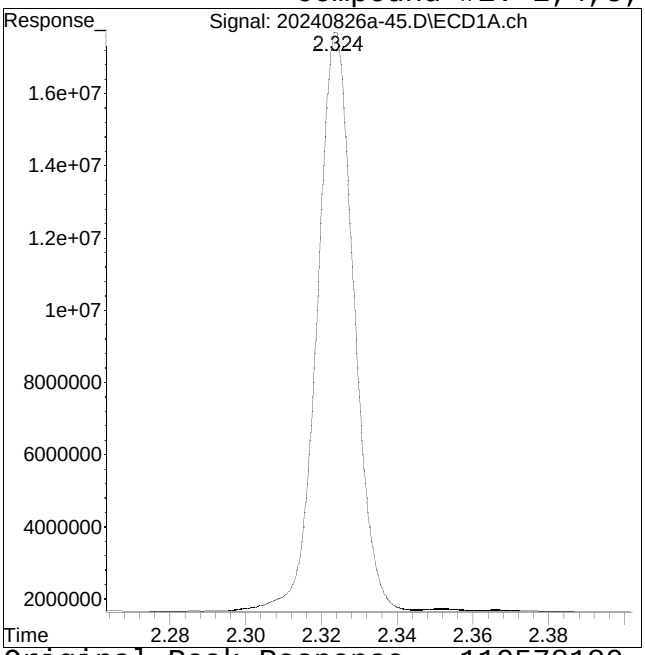


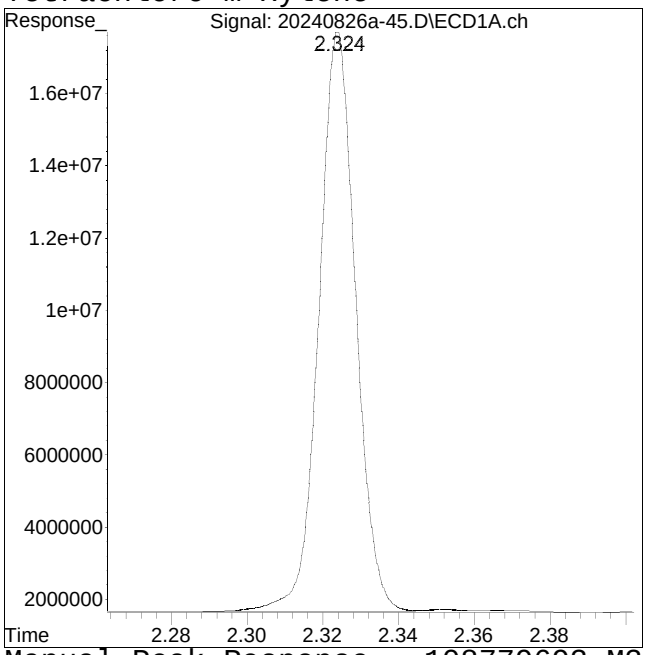
Original Peak Response = 131034350 Manual Peak Response = 129794561 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-45.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:10 Instrument : PEST 20
Sample : L2447503-03,42,, Quant Date : 8/26/2024 11:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



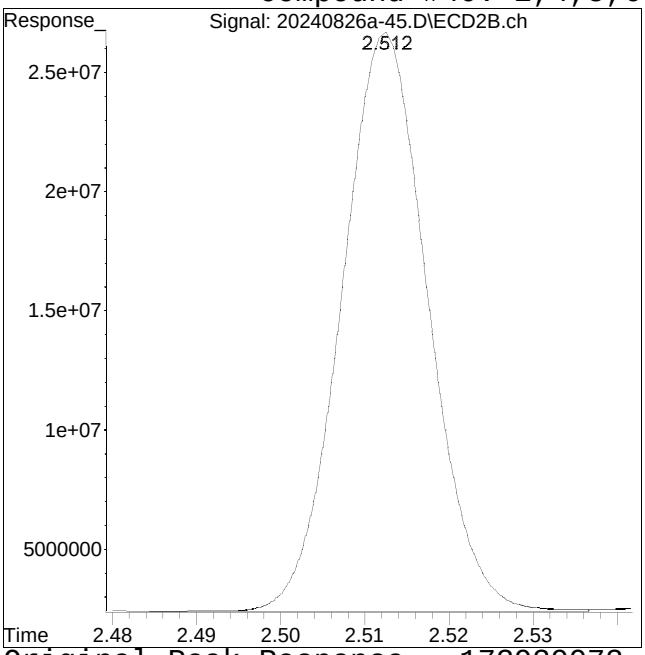


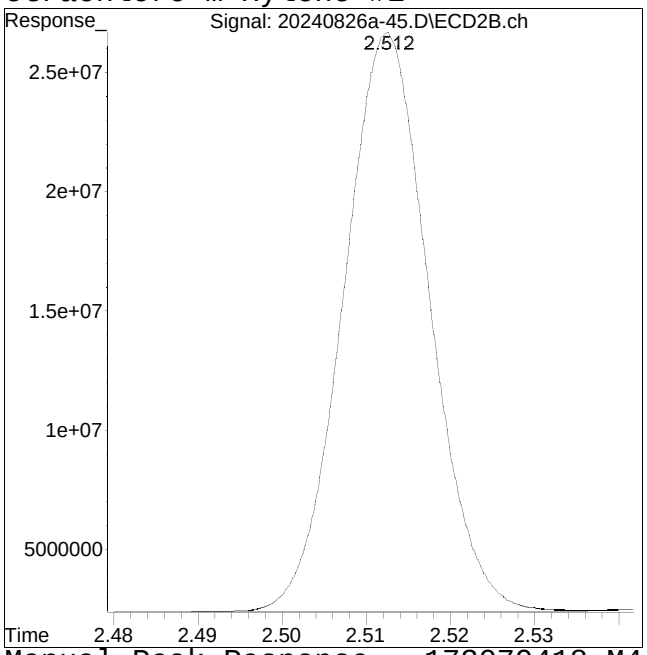
Original Peak Response = 110578180 Manual Peak Response = 108779693 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-45.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:10 Instrument : PEST 20
Sample : L2447503-03,42,, Quant Date : 8/26/2024 11:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



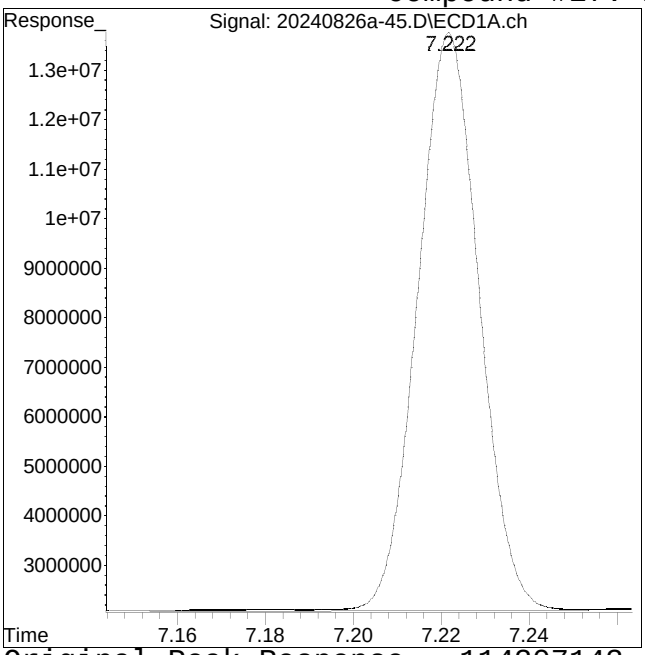


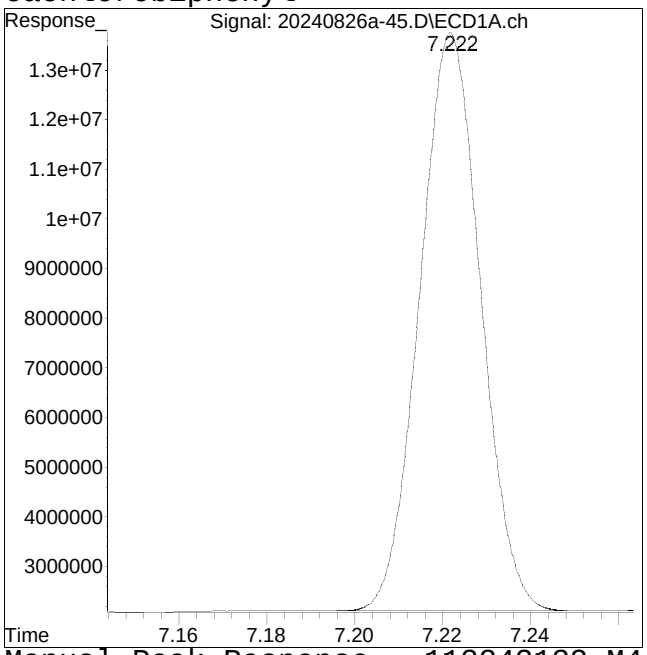
Original Peak Response = 173939973 Manual Peak Response = 173079418 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-45.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:10 Instrument : PEST 20
Sample : L2447503-03,42,, Quant Date : 8/26/2024 11:44 pm

Compound #27: Decachlorobiphenyl



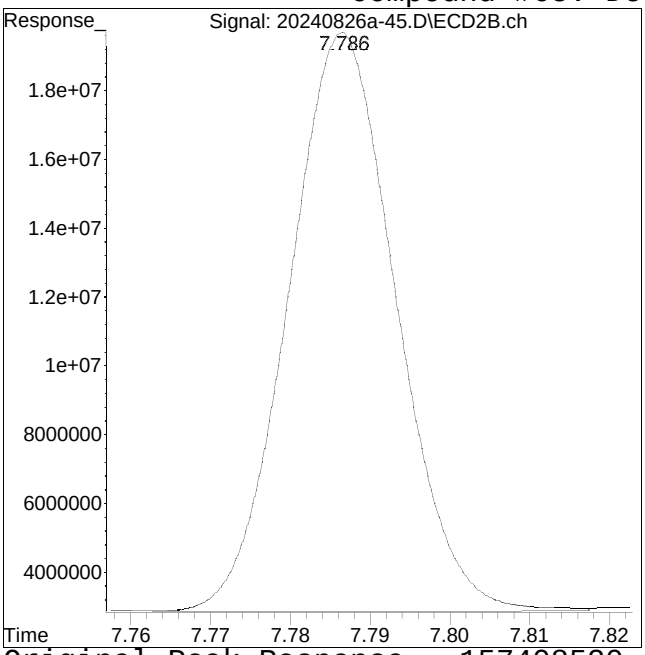


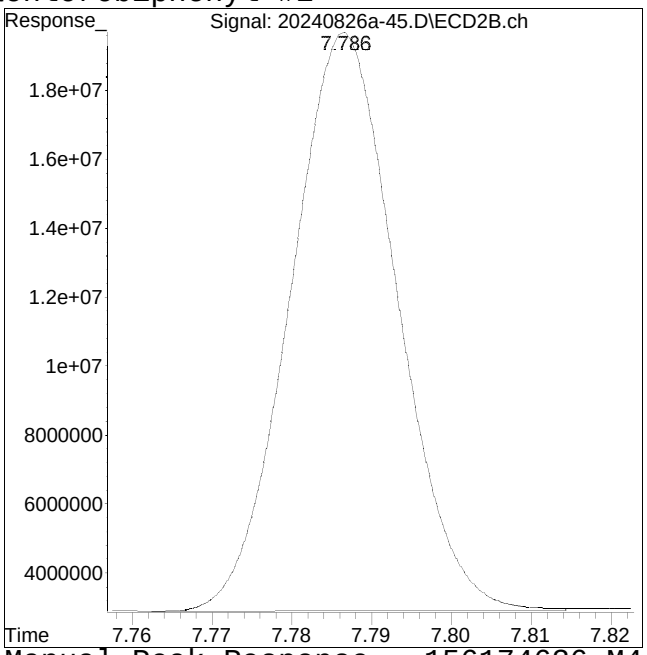
Original Peak Response = 114307143 Manual Peak Response = 112243132 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-45.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:10 Instrument : PEST 20
Sample : L2447503-03,42,, Quant Date : 8/26/2024 11:44 pm

Compound #65: Decachlorobiphenyl #2



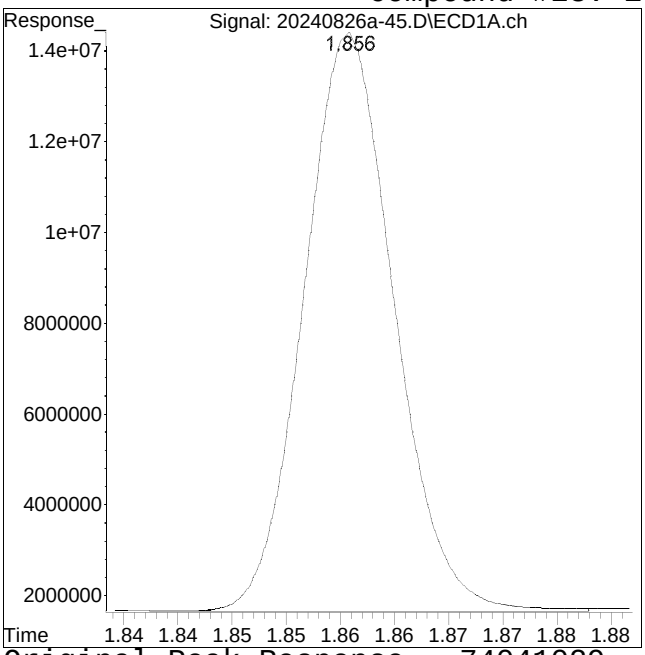


Original Peak Response = 157408520 Manual Peak Response = 156174636 M4
M4 = Poor automated baseline construction.

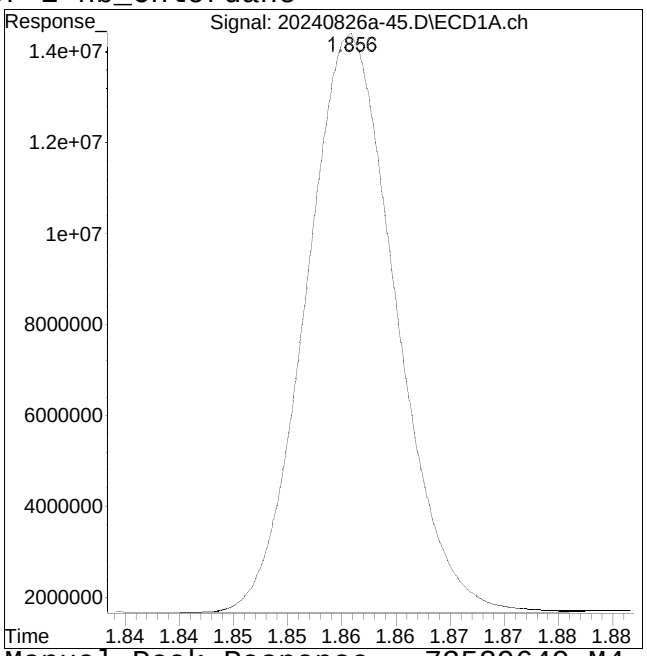
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-45.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:10 Instrument : PEST 20
Sample : L2447503-03,42,, Quant Date : 8/26/2024 11:44 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 74041029



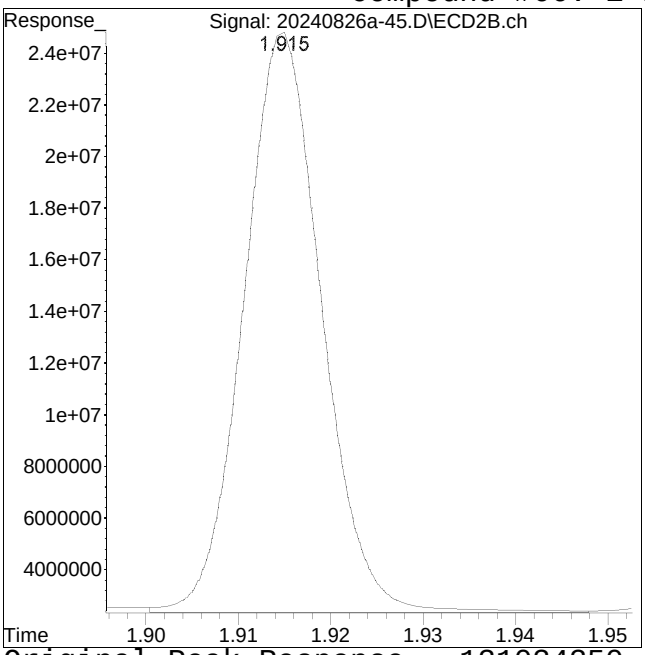
Manual Peak Response = 73529649 M4

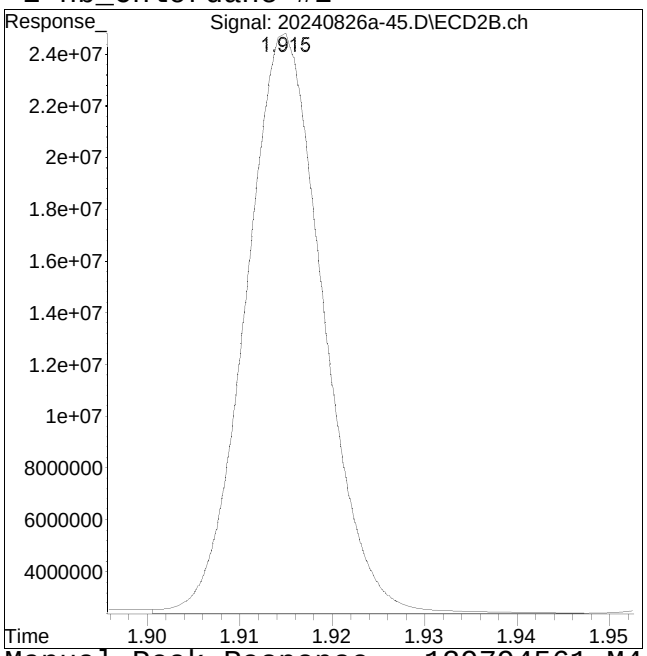
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-45.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:10 Instrument : PEST 20
Sample : L2447503-03,42,, Quant Date : 8/26/2024 11:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



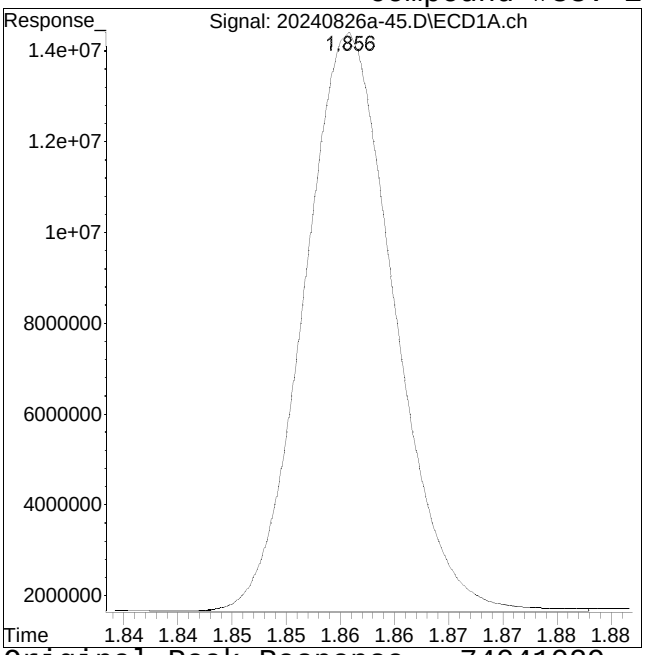


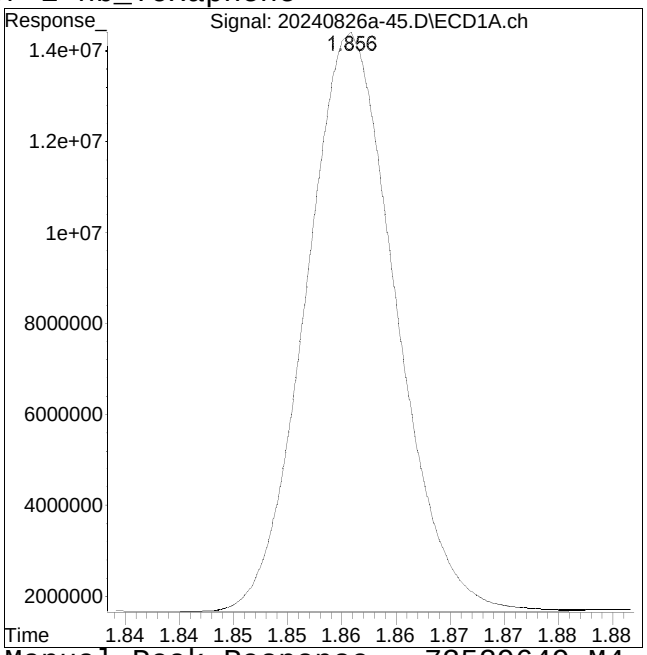
Original Peak Response = 131034350 Manual Peak Response = 129794561 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-45.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:10 Instrument : PEST 20
Sample : L2447503-03,42,, Quant Date : 8/26/2024 11:44 pm

Compound #33: 1-br-2-nb_Toxaphene



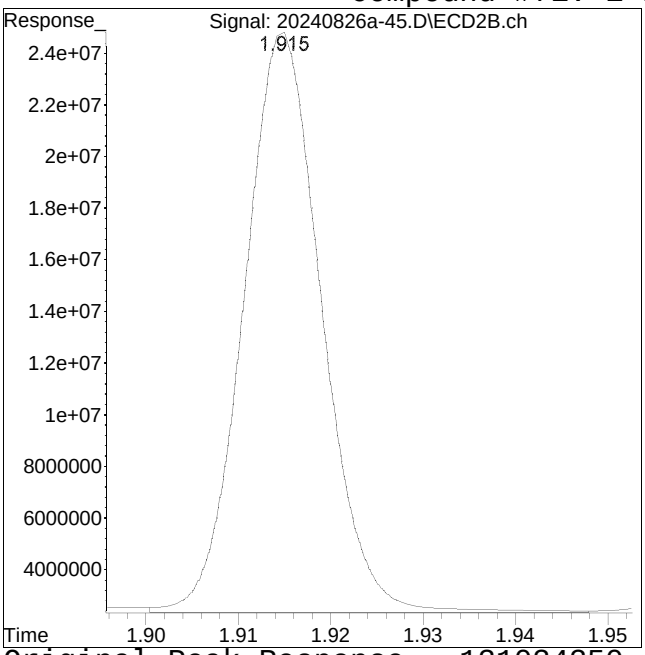


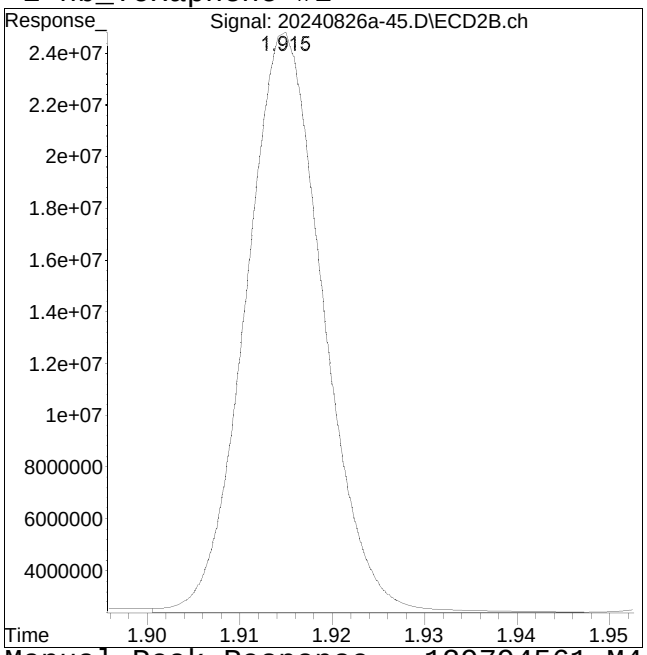
Original Peak Response = 74041029 Manual Peak Response = 73529649 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-45.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:10 Instrument : PEST 20
Sample : L2447503-03,42,, Quant Date : 8/26/2024 11:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 131034350 Manual Peak Response = 129794561 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-46.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:22
Operator : pest20:peg
Sample : L2447503-04,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:02 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.856	1.915	74462703	125.3E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 65622505				Recovery = 113.47%		
	Standard Area 1 : #2 = 111530630				Recovery = 112.31%		
28) i	1-br-2-nb_Ch	1.856	1.915	74462703	125.3E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	1.856	1.915	74462703	125.3E6	25.000M3	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.323	2.512	125.6E6	199.7E6	38.307M3	32.582M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	76.61%	65.16%
27) s	Decachlorobi	7.221	7.786	124.3E6	172.9E6	38.389M4	38.424M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	76.78%	76.85%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-46.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:22
Operator : pest20:peg
Sample : L2447503-04,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:02 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

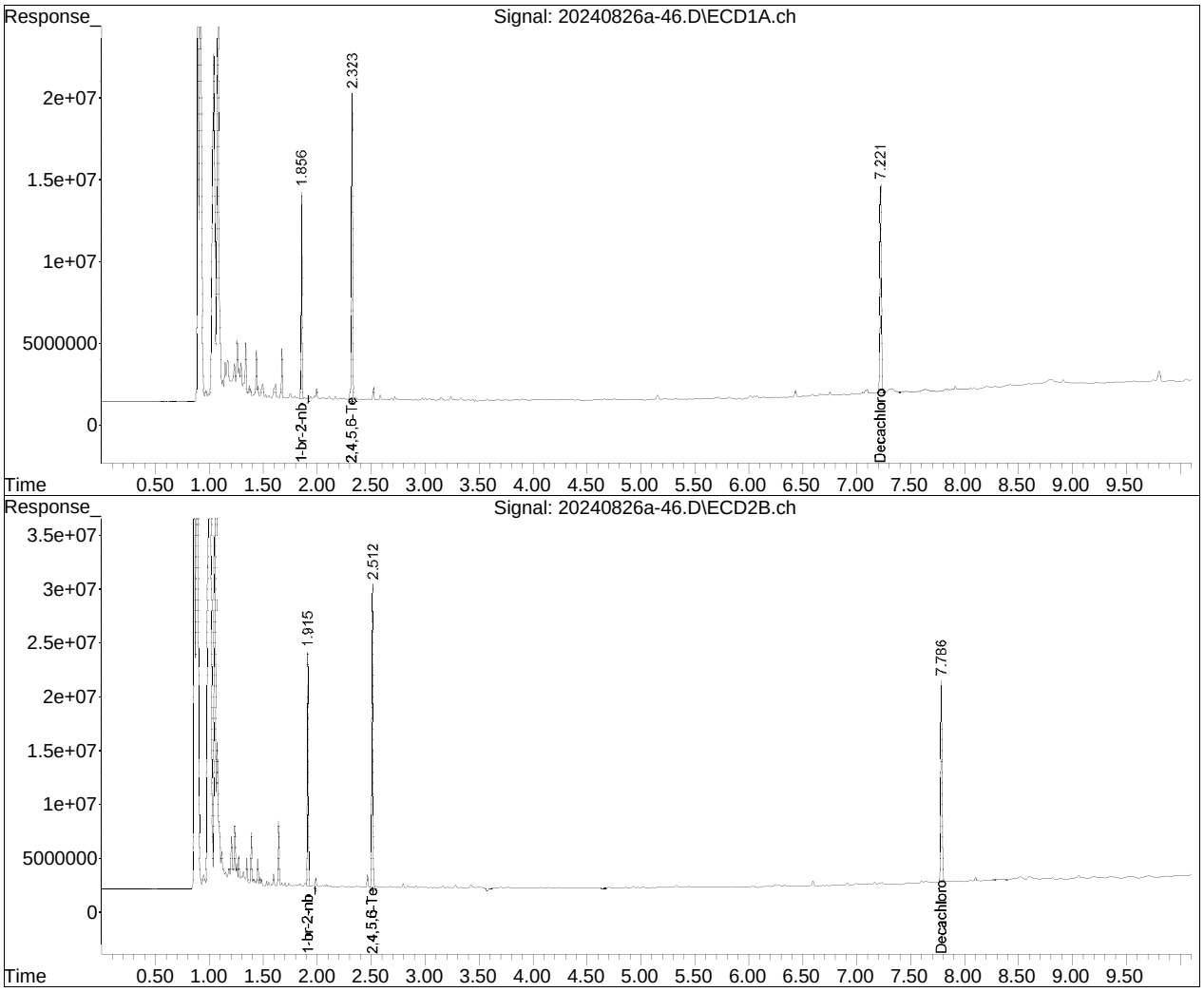
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\20240826a-39.D•

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-46.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:22
Operator : pest20:peg
Sample : L2447503-04,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:02 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

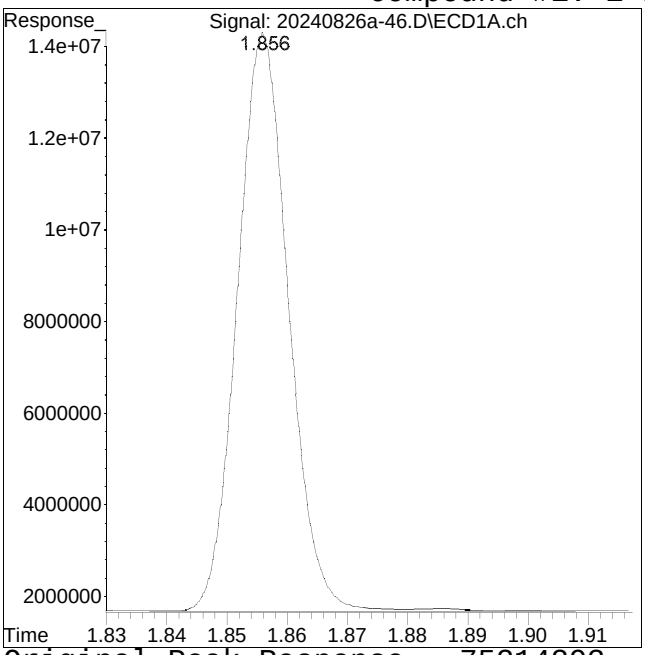
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

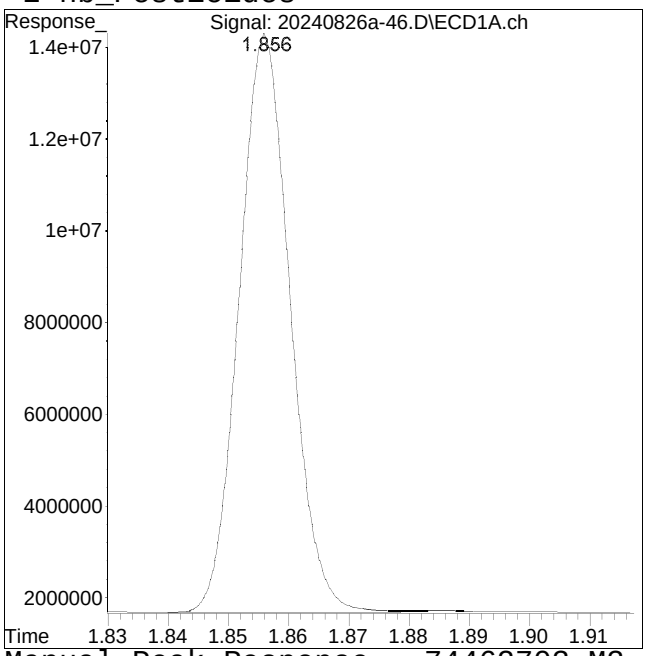


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-46.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:22 Instrument : PEST 20
Sample : L2447503-04,42,, Quant Date : 8/26/2024 11:44 pm

Compound #1: 1-br-2-nb_Pesticides



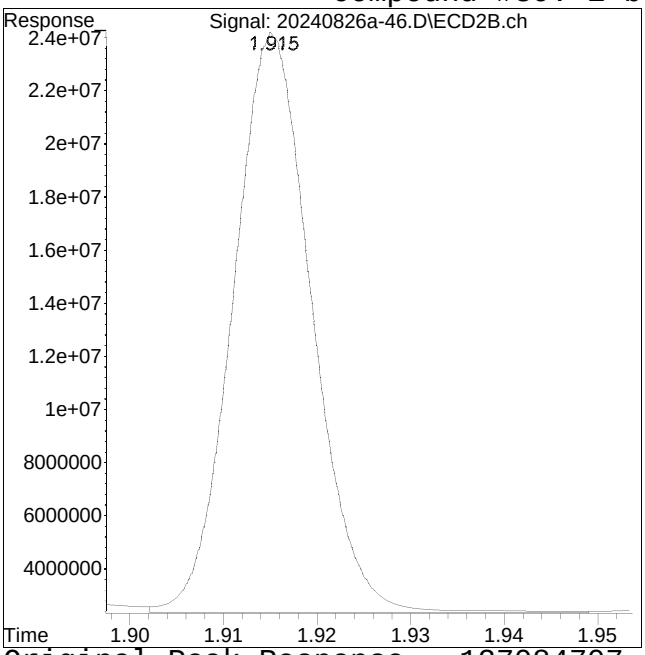


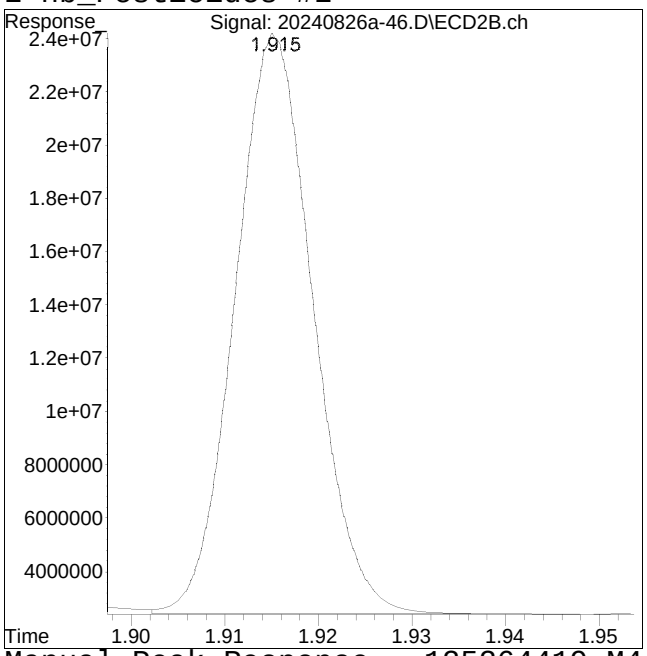
Original Peak Response = 75214293 Manual Peak Response = 74462703 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-46.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:22 Instrument : PEST 20
Sample : L2447503-04,42,, Quant Date : 8/26/2024 11:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



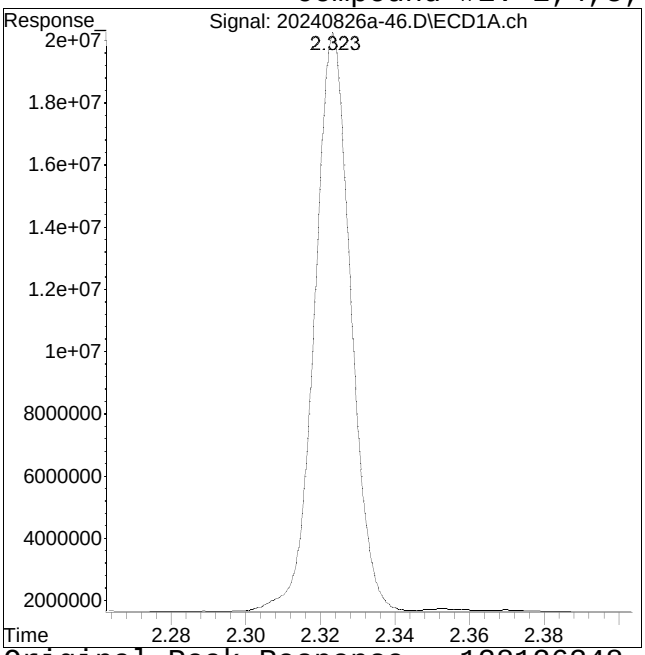


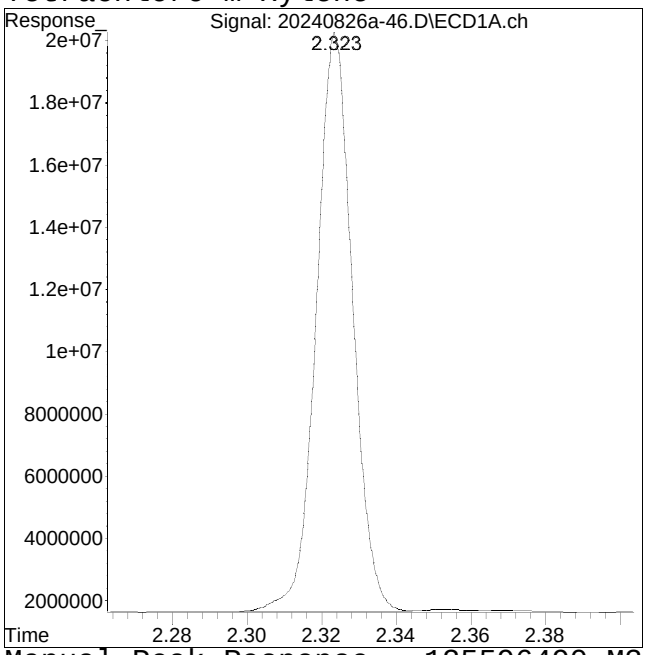
Original Peak Response = 127084707 Manual Peak Response = 125264419 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-46.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:22 Instrument : PEST 20
Sample : L2447503-04,42,, Quant Date : 8/26/2024 11:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



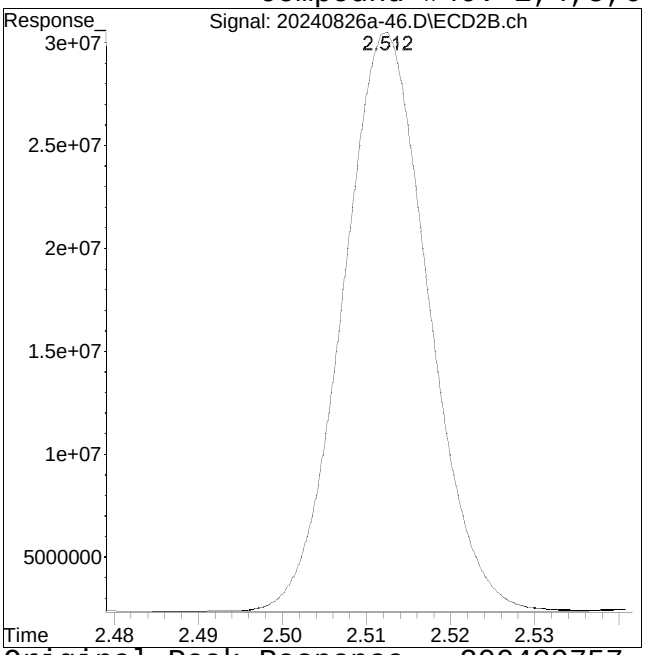


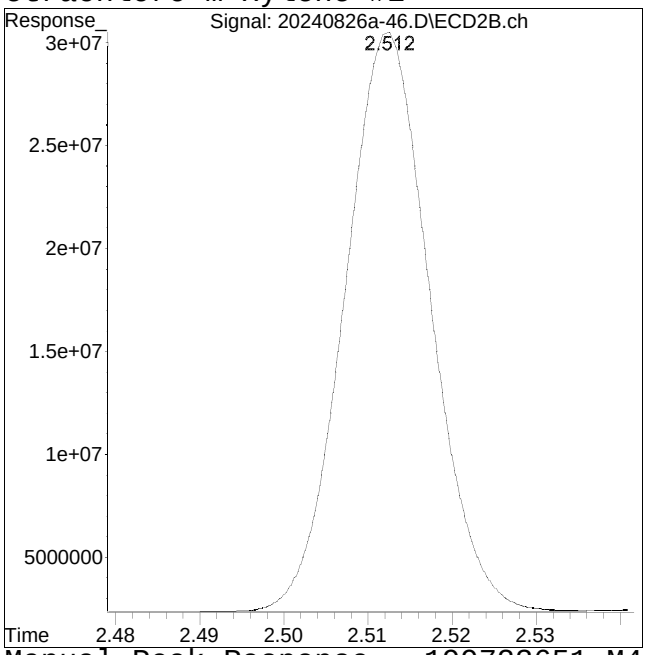
Original Peak Response = 128126348 Manual Peak Response = 125596490 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-46.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:22 Instrument : PEST 20
Sample : L2447503-04,42,, Quant Date : 8/26/2024 11:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



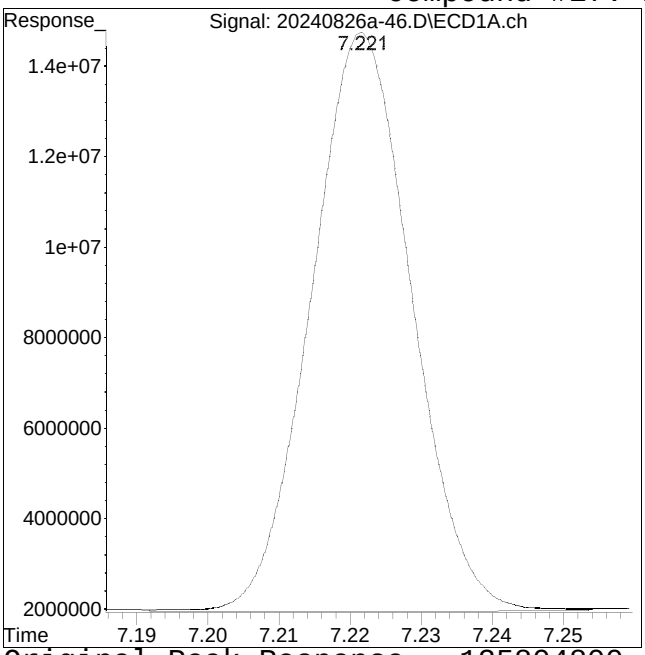


Original Peak Response = 200439757 Manual Peak Response = 199723651 M4
M4 = Poor automated baseline construction.

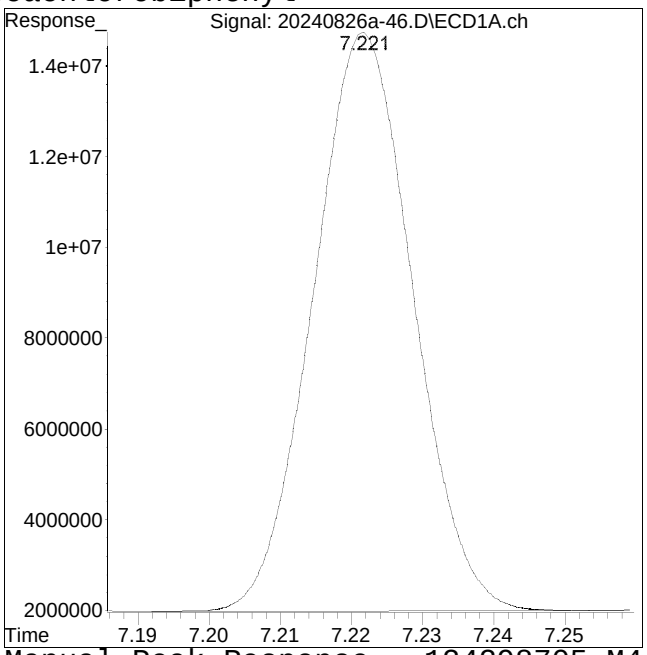
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-46.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:22 Instrument : PEST 20
Sample : L2447503-04,42,, Quant Date : 8/26/2024 11:44 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 125804800



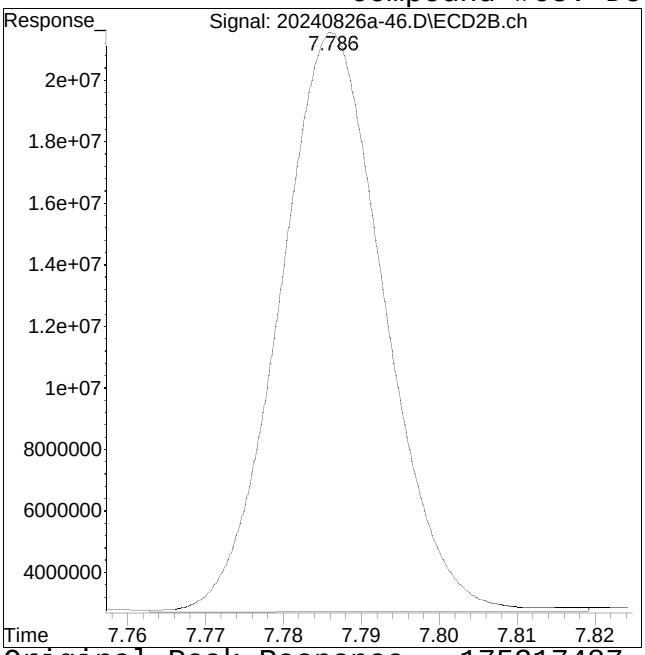
Manual Peak Response = 124298705 M4

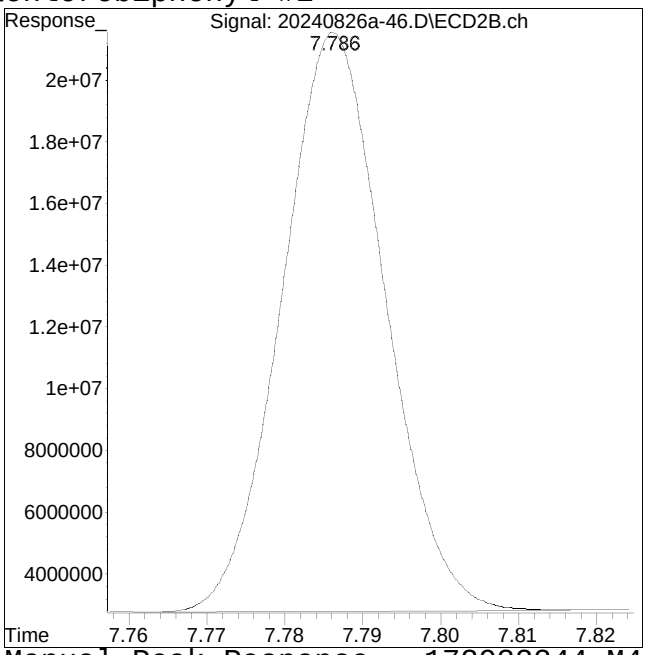
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-46.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:22 Instrument : PEST 20
Sample : L2447503-04,42,, Quant Date : 8/26/2024 11:44 pm

Compound #65: Decachlorobiphenyl #2



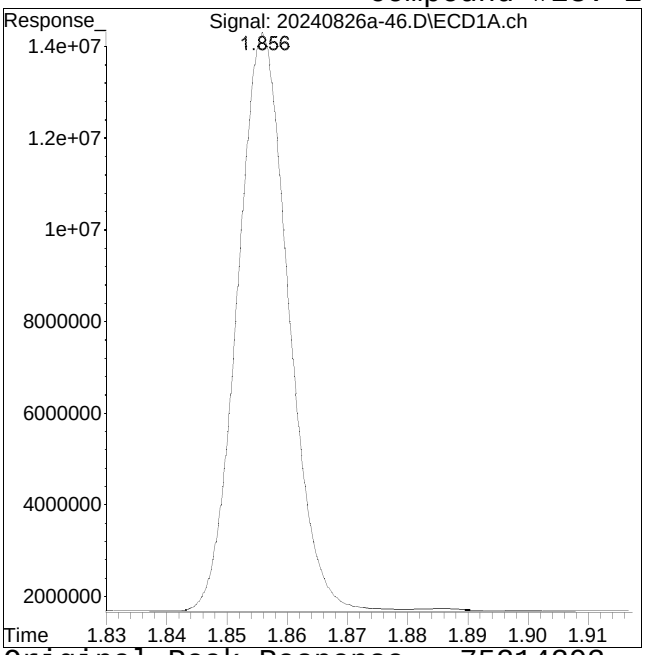


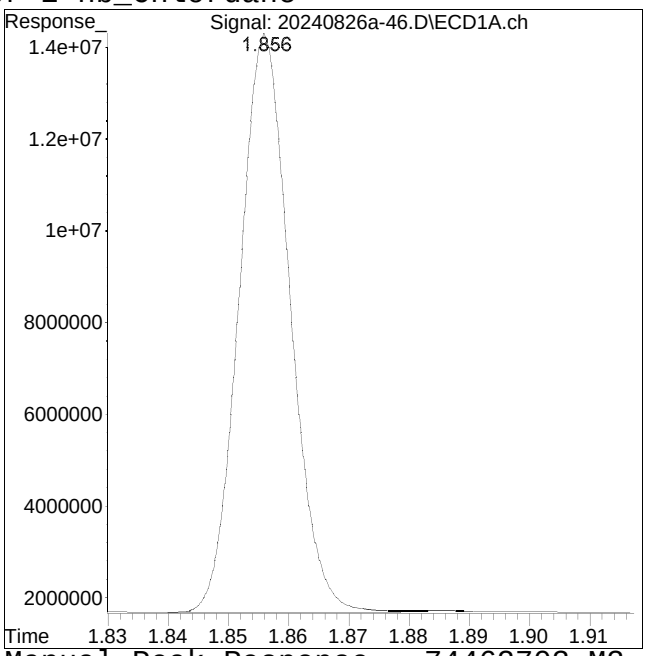
Original Peak Response = 175317487 Manual Peak Response = 172932244 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-46.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:22 Instrument : PEST 20
Sample : L2447503-04,42,, Quant Date : 8/26/2024 11:44 pm

Compound #28: 1-br-2-nb_Chlordane



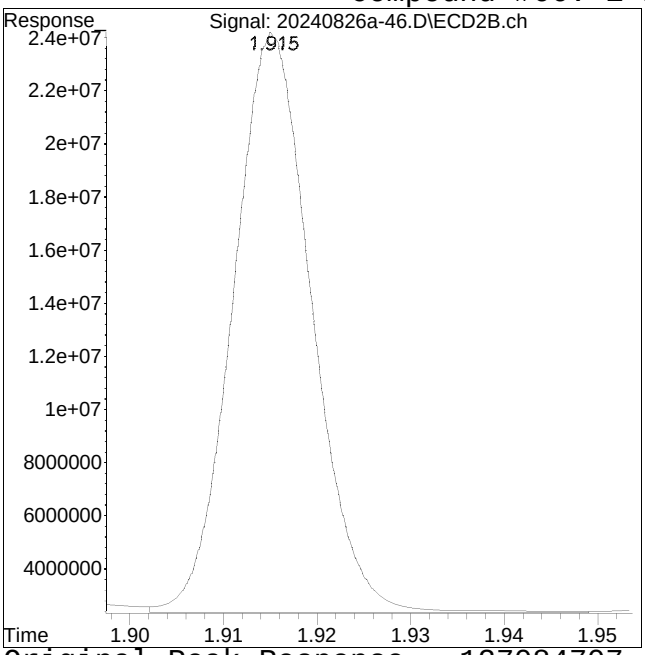


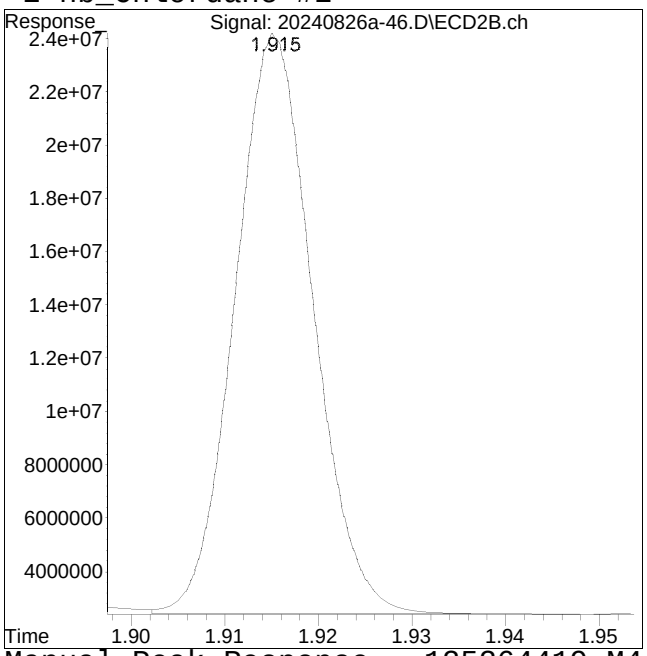
Original Peak Response = 75214293 Manual Peak Response = 74462703 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-46.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:22 Instrument : PEST 20
Sample : L2447503-04,42,, Quant Date : 8/26/2024 11:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



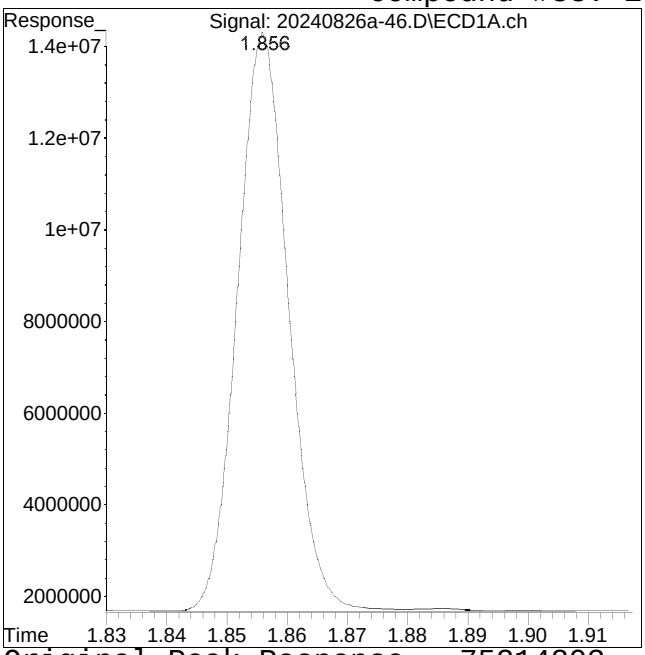


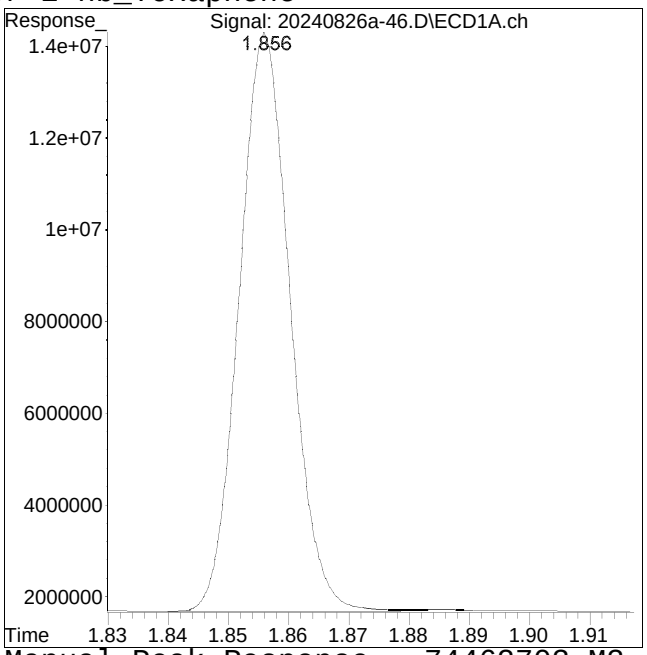
Original Peak Response = 127084707 Manual Peak Response = 125264419 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-46.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:22 Instrument : PEST 20
Sample : L2447503-04,42,, Quant Date : 8/26/2024 11:44 pm

Compound #33: 1-br-2-nb_Toxaphene



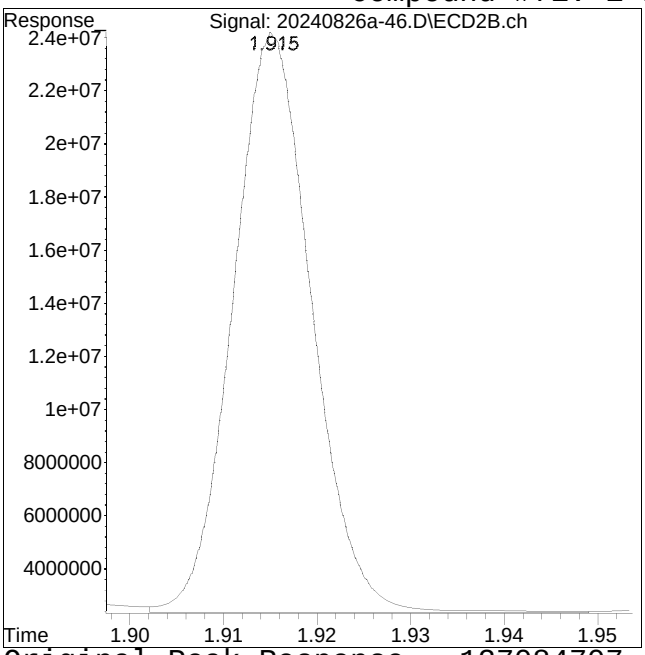


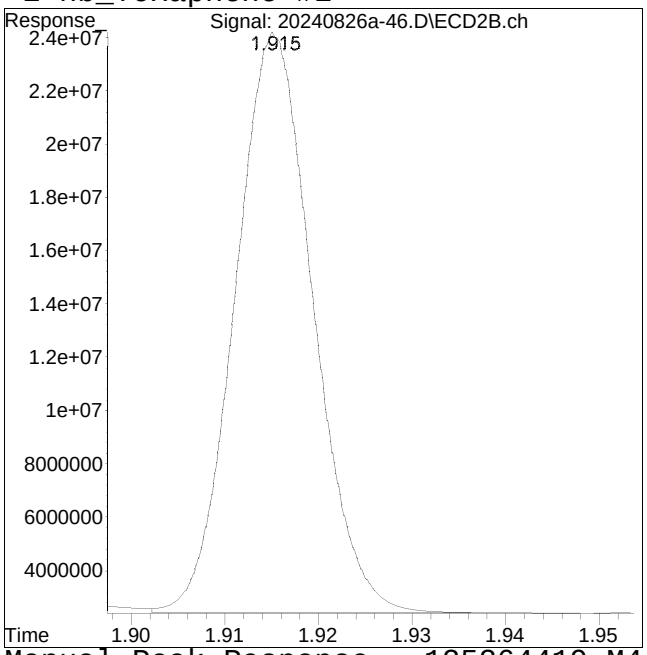
Original Peak Response = 75214293 Manual Peak Response = 74462703 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-46.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:22 Instrument : PEST 20
Sample : L2447503-04,42,, Quant Date : 8/26/2024 11:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 127084707 Manual Peak Response = 125264419 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-47.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:34
Operator : pest20:peg
Sample : L2447503-05,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:05 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.855	1.914	70349978	119.1E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 65622505				Recovery = 107.20%		
	Standard Area 1 : #2 = 111530630				Recovery = 106.80%		
28) i	1-br-2-nb_Ch	1.855	1.914	70349978	119.1E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.855	1.914	70349978	119.1E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.323	2.512	105.9E6	168.3E6	34.115M4	28.870M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	68.23%	57.74%
27) s	Decachlorobi	7.222	7.788	107.7E6	151.5E6	35.088M4	35.314
	Spiked Amount	50.000	Range 30 - 150		Recovery =	70.18%	70.63%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-47.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:34
Operator : pest20:peg
Sample : L2447503-05,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:05 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

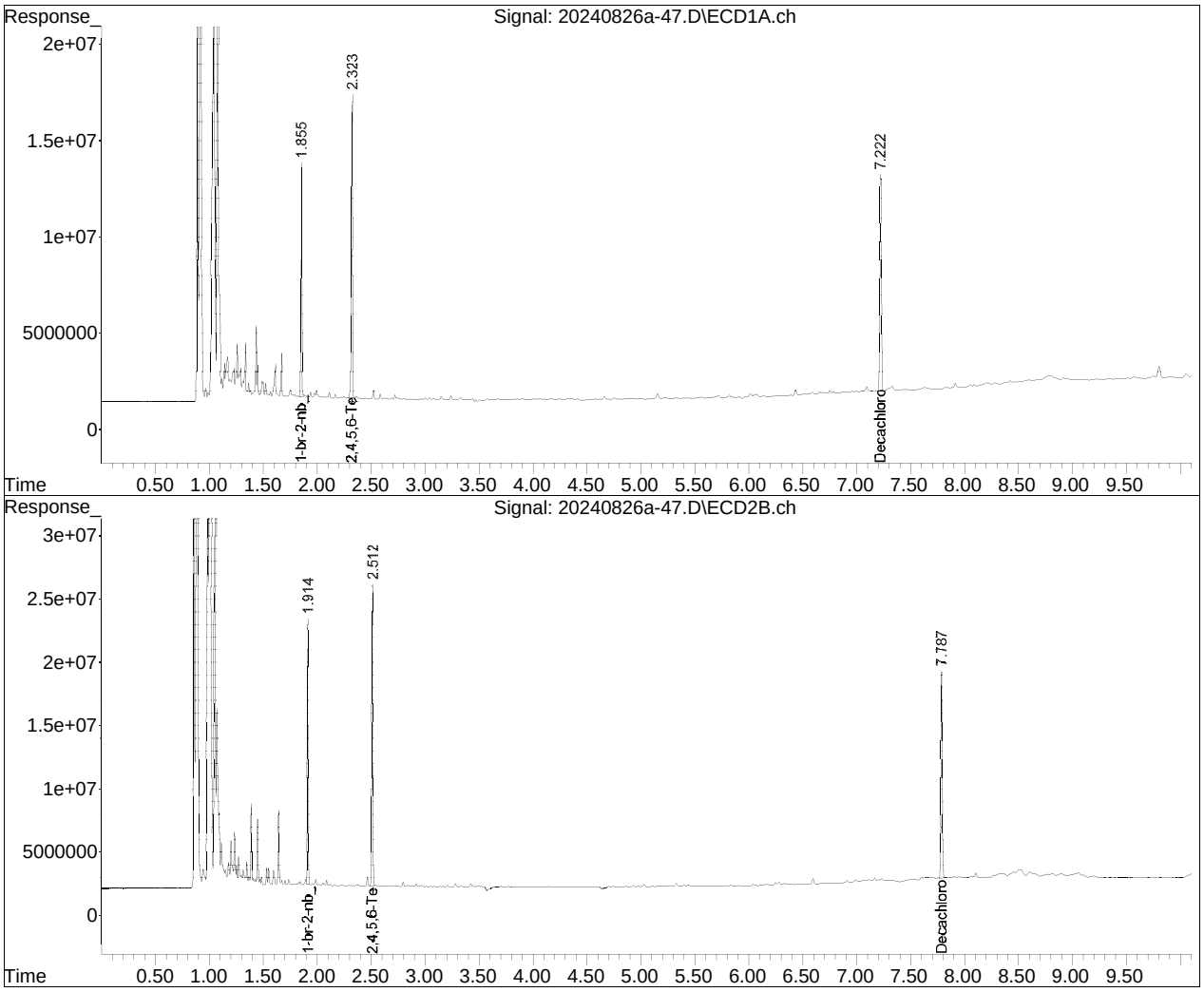
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\20240826a-39.D•

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-47.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:34
Operator : pest20:peg
Sample : L2447503-05,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:05 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

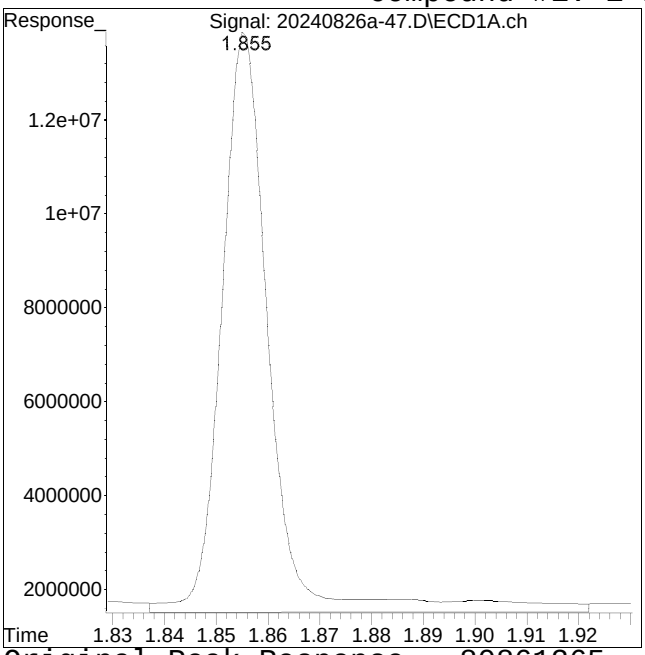
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

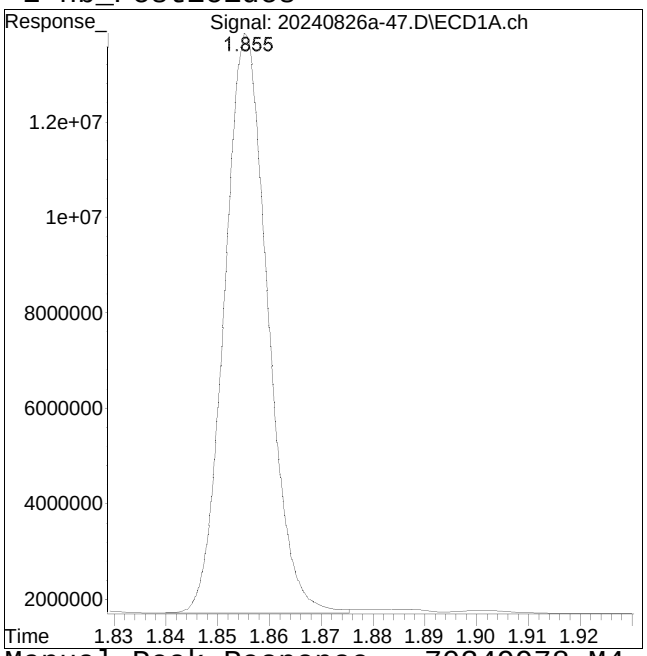


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-47.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:34 Instrument : PEST 20
Sample : L2447503-05,42,, Quant Date : 8/26/2024 11:44 pm

Compound #1: 1-br-2-nb_Pesticides



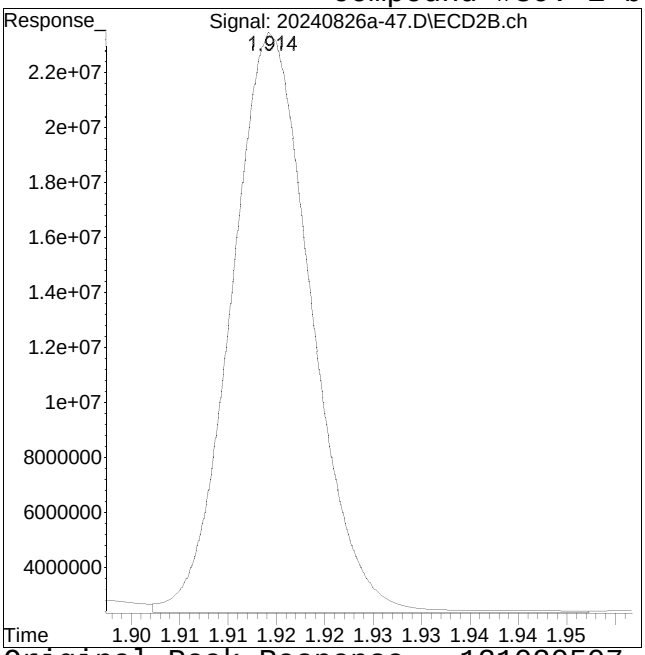


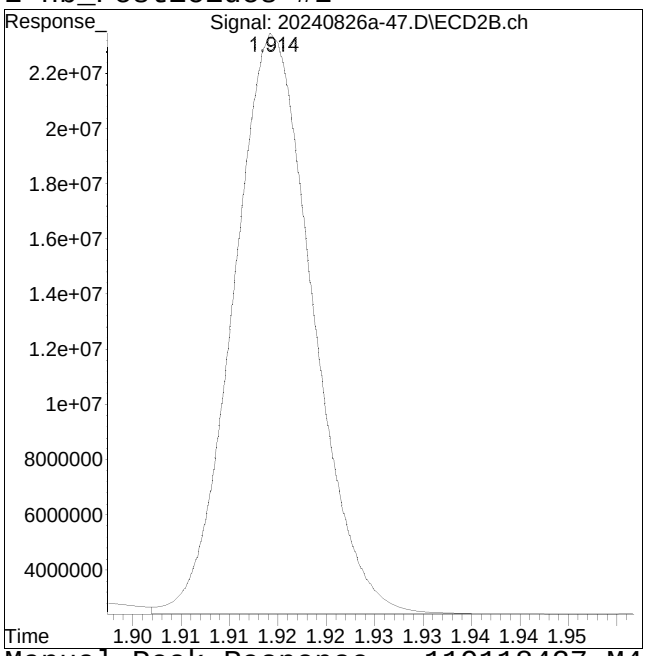
Original Peak Response = 80861265 Manual Peak Response = 70349978 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-47.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:34 Instrument : PEST 20
Sample : L2447503-05,42,, Quant Date : 8/26/2024 11:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



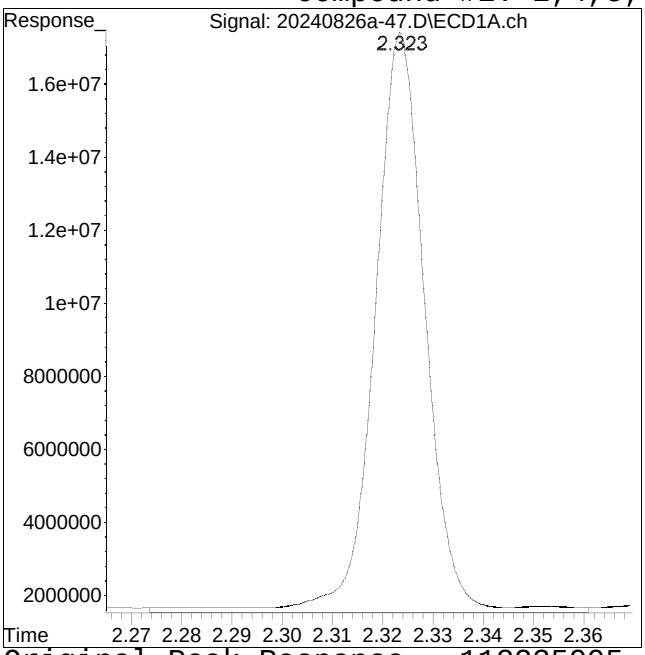


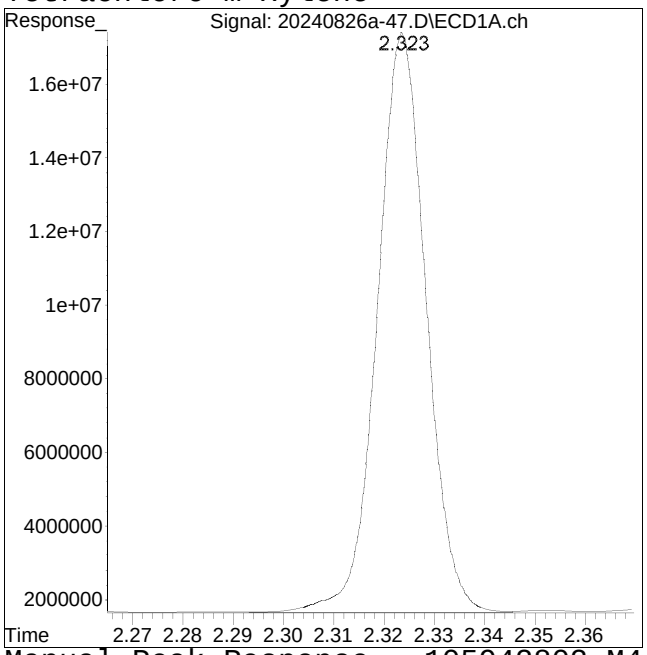
Original Peak Response = 121020507 Manual Peak Response = 119118427 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-47.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:34 Instrument : PEST 20
Sample : L2447503-05,42,, Quant Date : 8/26/2024 11:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



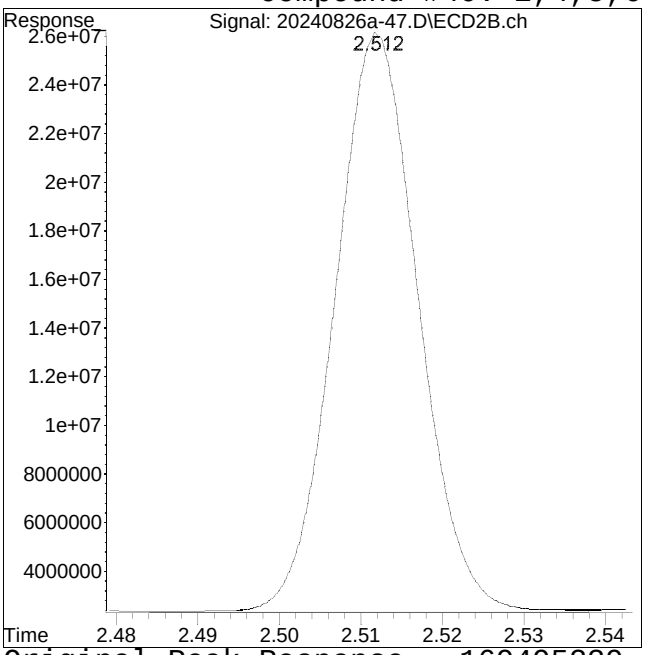


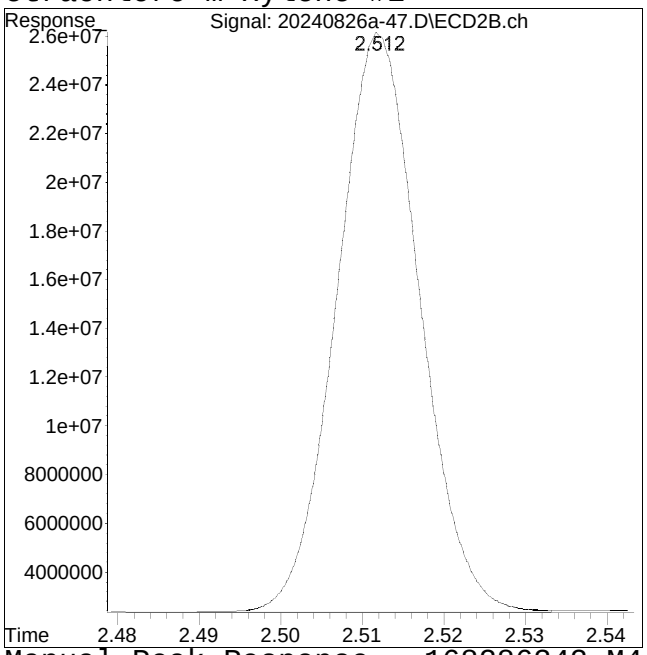
Original Peak Response = 112235995 Manual Peak Response = 105942802 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-47.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:34 Instrument : PEST 20
Sample : L2447503-05,42,, Quant Date : 8/26/2024 11:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



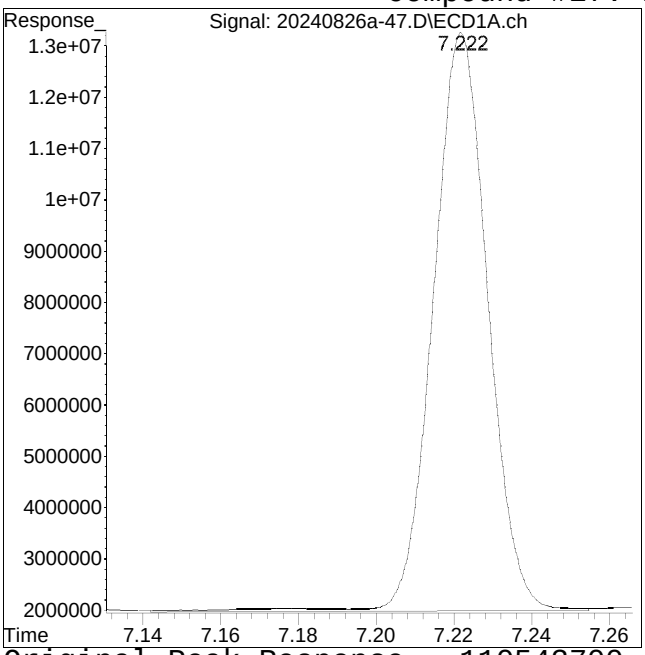


Original Peak Response = 169495239 Manual Peak Response = 168286342 M4
M4 = Poor automated baseline construction.

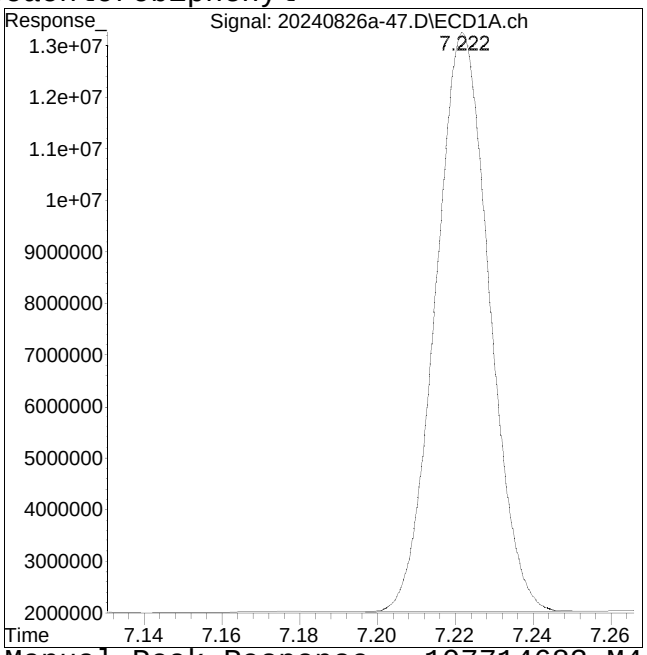
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-47.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:34 Instrument : PEST 20
Sample : L2447503-05,42,, Quant Date : 8/26/2024 11:44 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 110543700



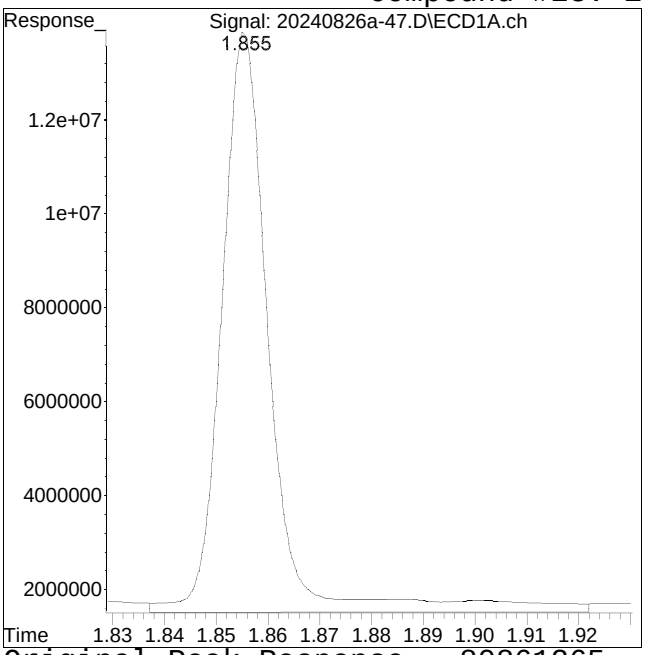
Manual Peak Response = 107714683 M4

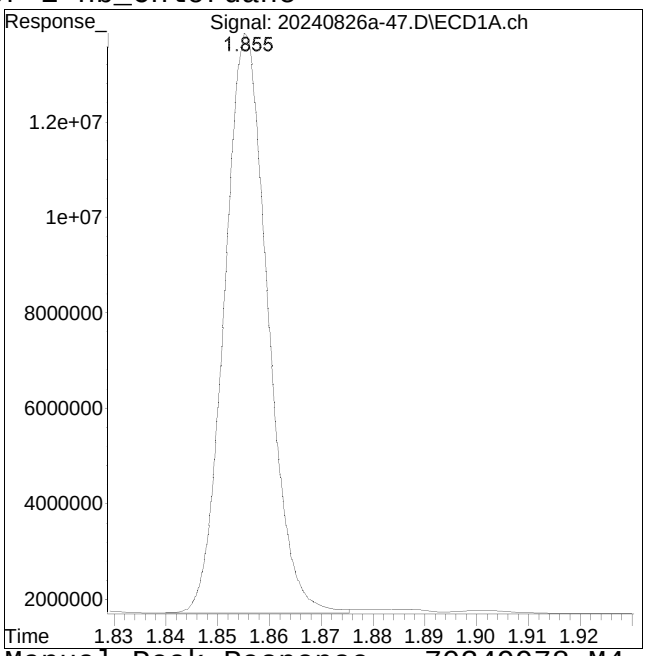
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-47.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:34 Instrument : PEST 20
Sample : L2447503-05,42,, Quant Date : 8/26/2024 11:44 pm

Compound #28: 1-br-2-nb_Chlordane



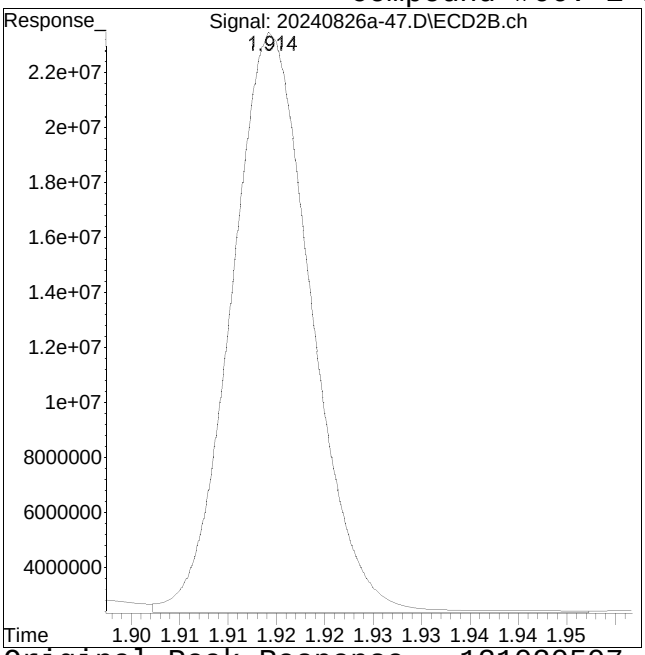


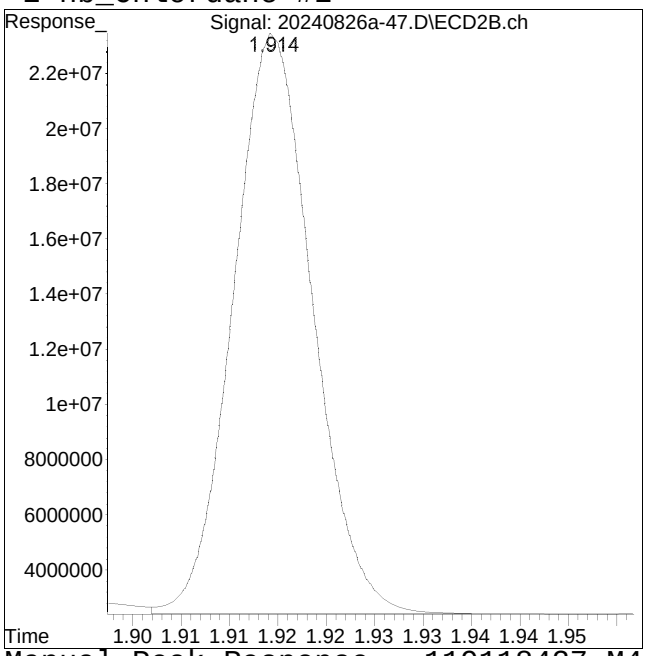
Original Peak Response = 80861265 Manual Peak Response = 70349978 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-47.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:34 Instrument : PEST 20
Sample : L2447503-05,42,, Quant Date : 8/26/2024 11:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



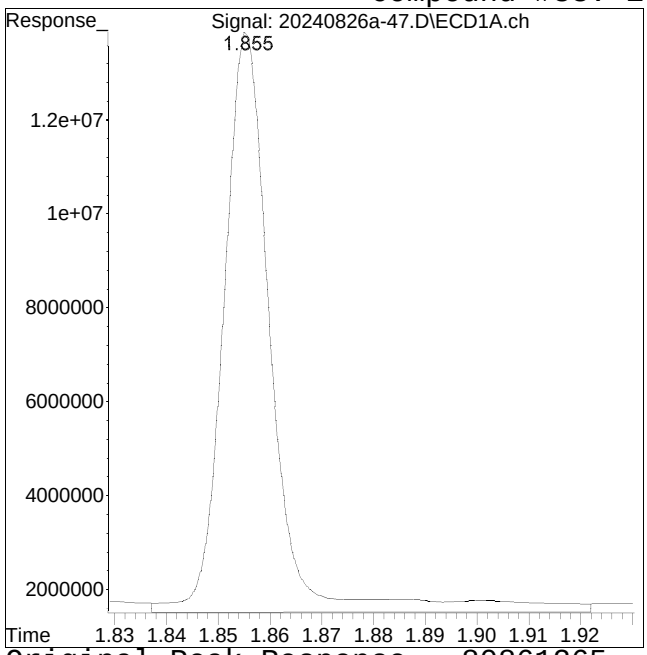


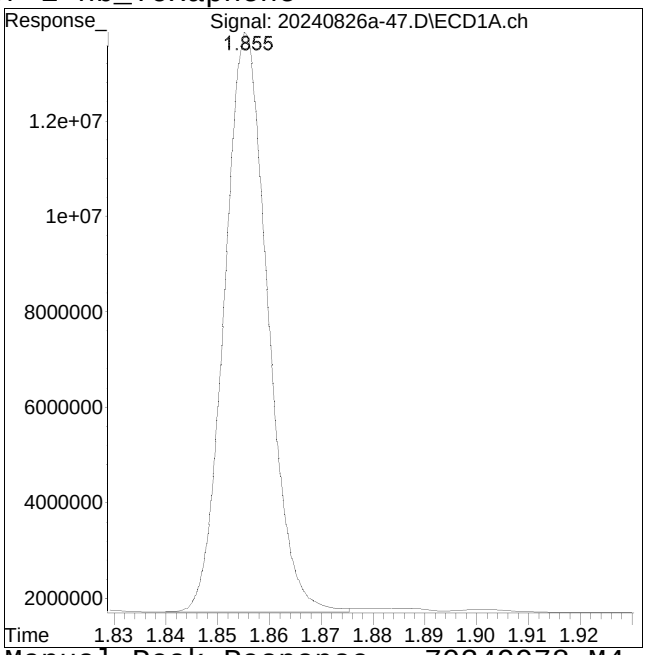
Original Peak Response = 121020507 Manual Peak Response = 119118427 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-47.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:34 Instrument : PEST 20
Sample : L2447503-05,42,, Quant Date : 8/26/2024 11:44 pm

Compound #33: 1-br-2-nb_Toxaphene



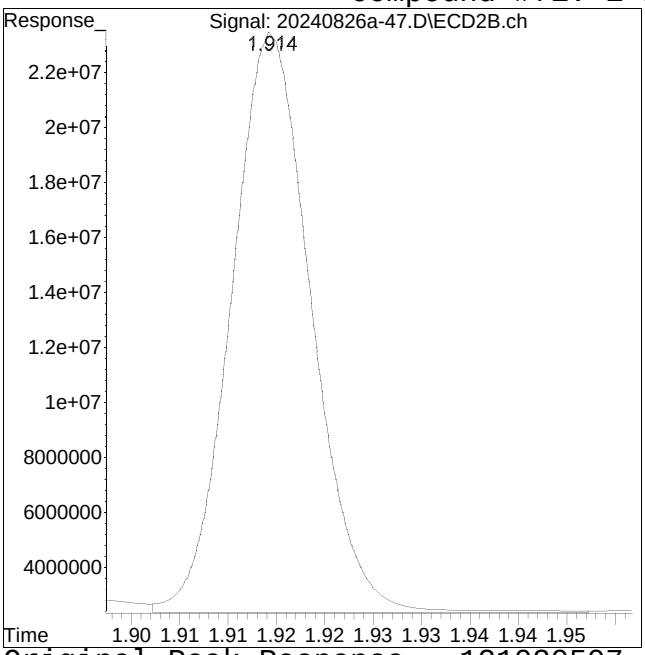


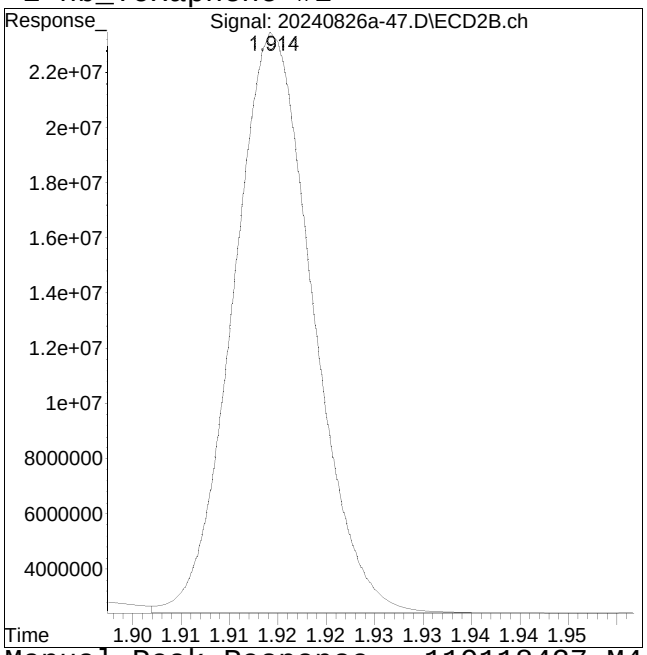
Original Peak Response = 80861265 Manual Peak Response = 70349978 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-47.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:34 Instrument : PEST 20
Sample : L2447503-05,42,, Quant Date : 8/26/2024 11:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 121020507 Manual Peak Response = 119118427 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-48.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:47
Operator : pest20:peg
Sample : L2447503-08,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:08 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.856	1.915	71359786	120.3E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 65622505				Recovery = 108.74%		
	Standard Area 1 : #2 = 111530630				Recovery = 107.84%		
28) i	1-br-2-nb_Ch	1.856	1.915	71359786	120.3E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.856	1.915	71359786	120.3E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.324	2.512	109.4E6	174.1E6	34.748M3	29.579M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 69.50%		59.16%
27) s	Decachlorobi	7.222	7.787	113.1E6	160.6E6	36.374M4	37.125M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 72.75%		74.25%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-48.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:47
Operator : pest20:peg
Sample : L2447503-08,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:08 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

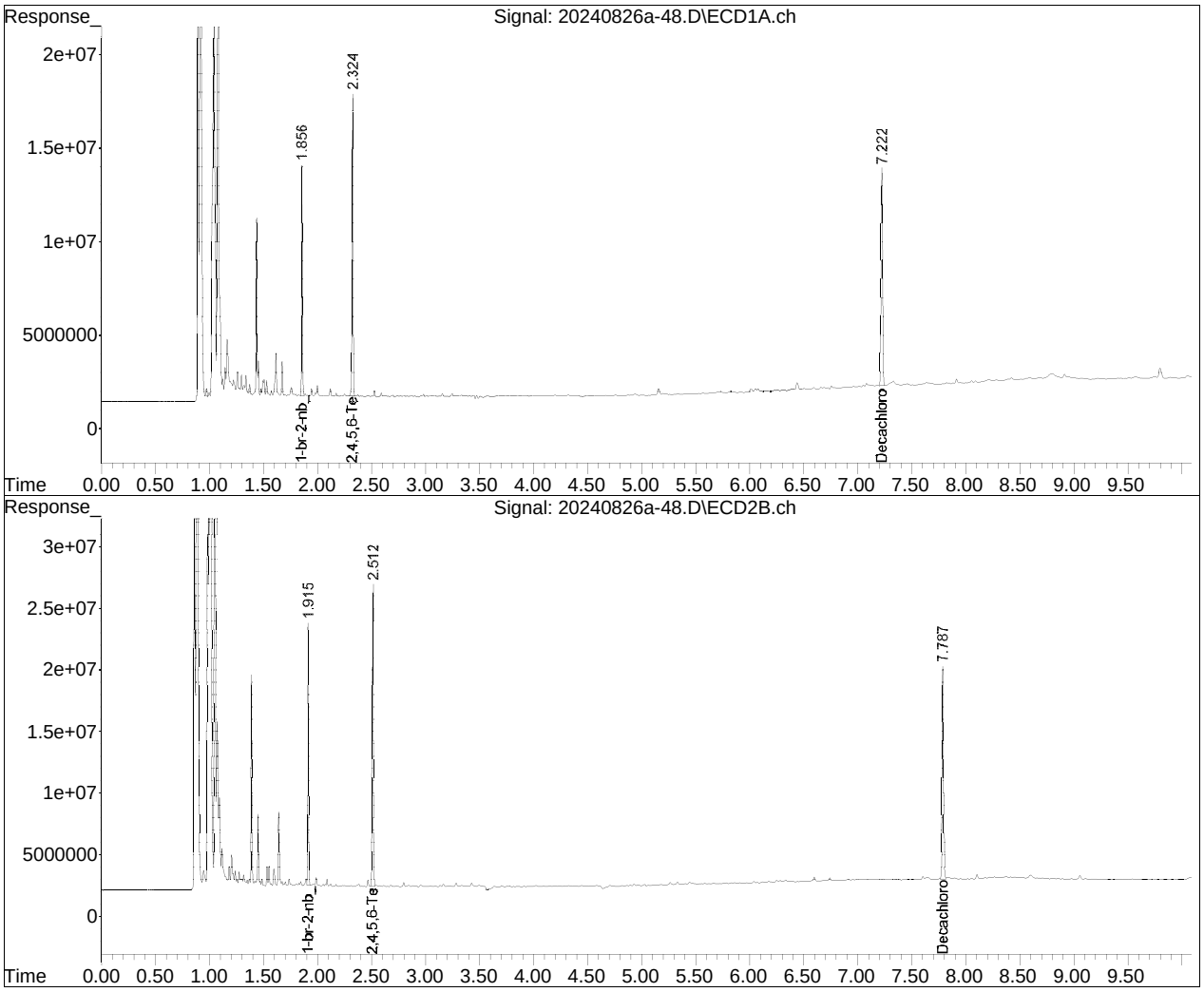
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\20240826a-39.D•

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-48.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:47
Operator : pest20:peg
Sample : L2447503-08,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:08 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

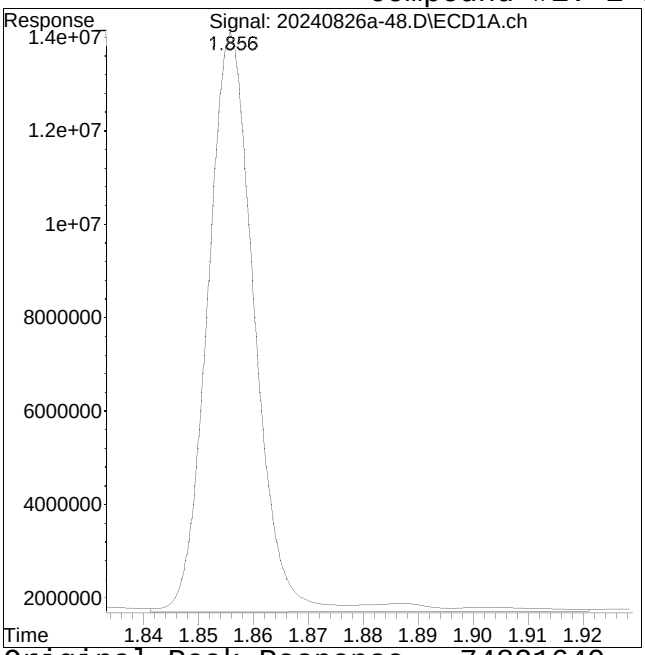
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

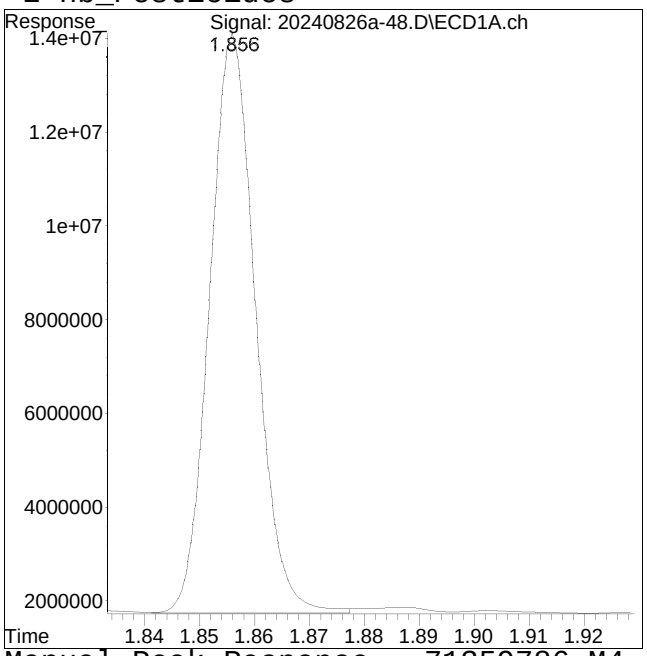


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-48.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:47 Instrument : PEST 20
Sample : L2447503-08,42,, Quant Date : 8/26/2024 11:44 pm

Compound #1: 1-br-2-nb_Pesticides



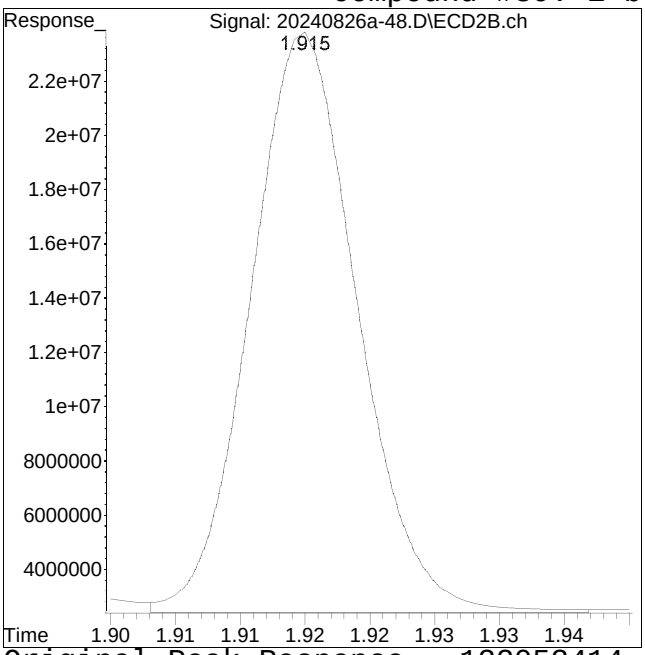


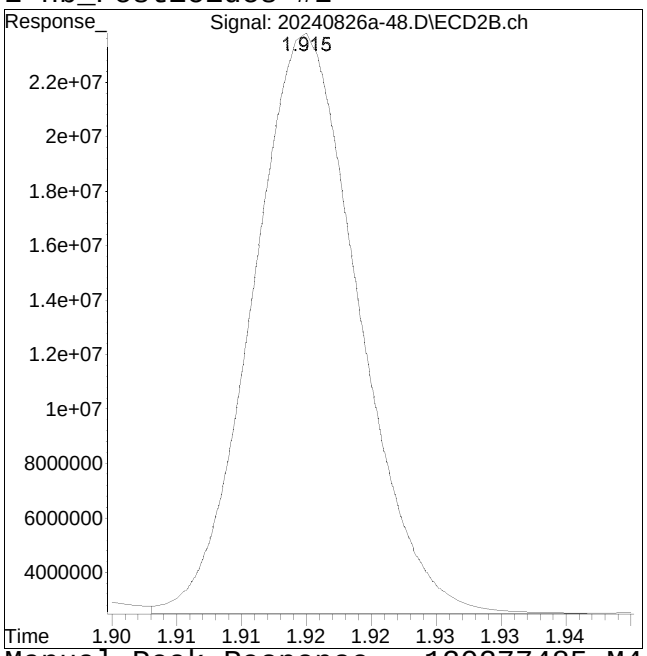
Original Peak Response = 74821640 Manual Peak Response = 71359786 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-48.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:47 Instrument : PEST 20
Sample : L2447503-08,42,, Quant Date : 8/26/2024 11:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



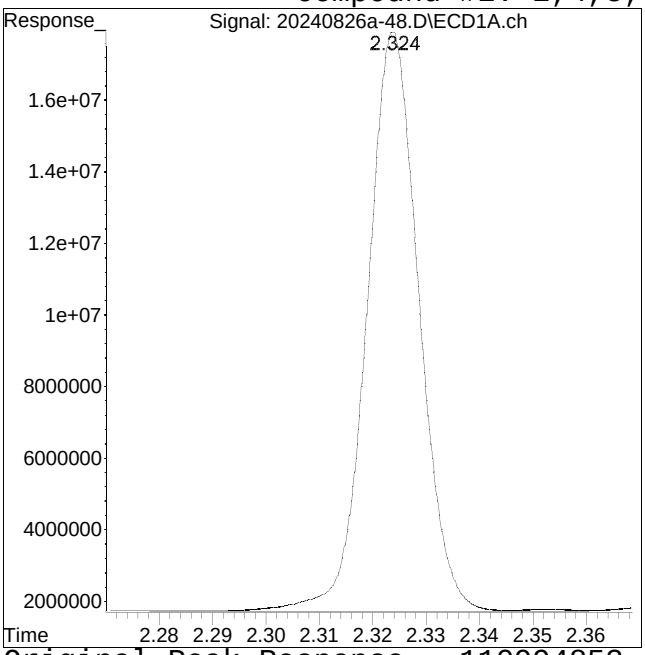


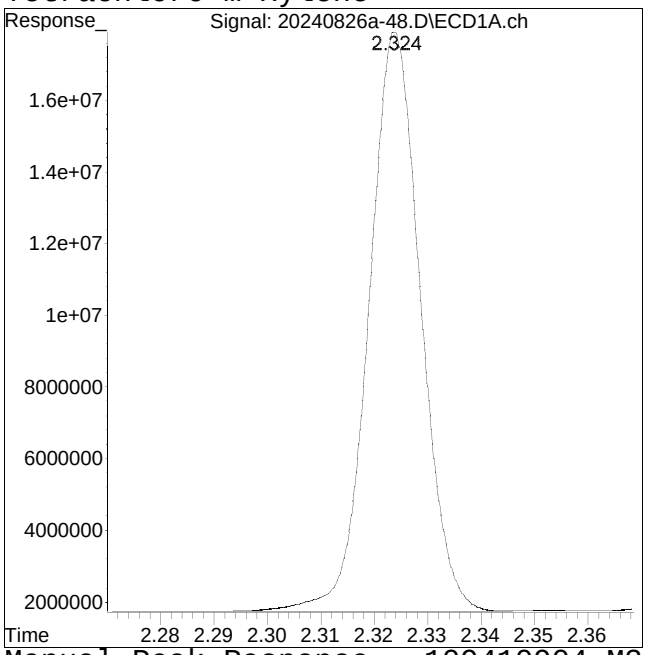
Original Peak Response = 122053414 Manual Peak Response = 120277485 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-48.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:47 Instrument : PEST 20
Sample : L2447503-08,42,, Quant Date : 8/26/2024 11:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



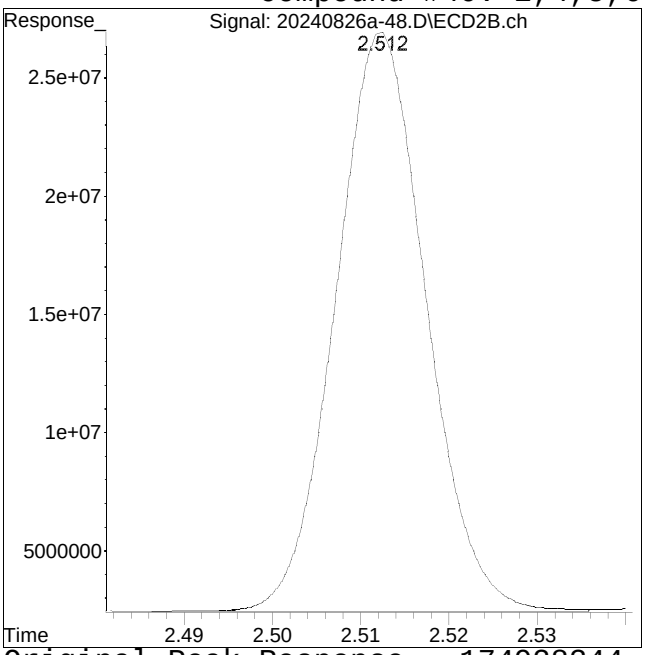


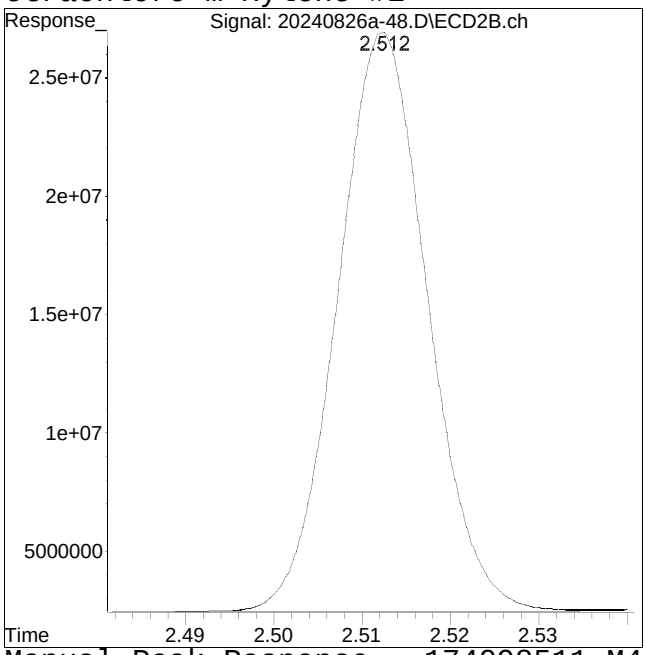
Original Peak Response = 110994853 Manual Peak Response = 109410904 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-48.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:47 Instrument : PEST 20
Sample : L2447503-08,42,, Quant Date : 8/26/2024 11:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



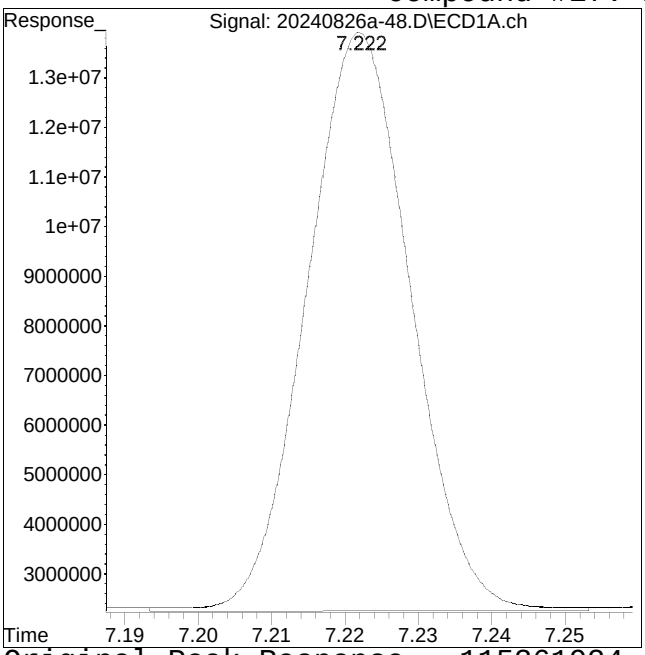


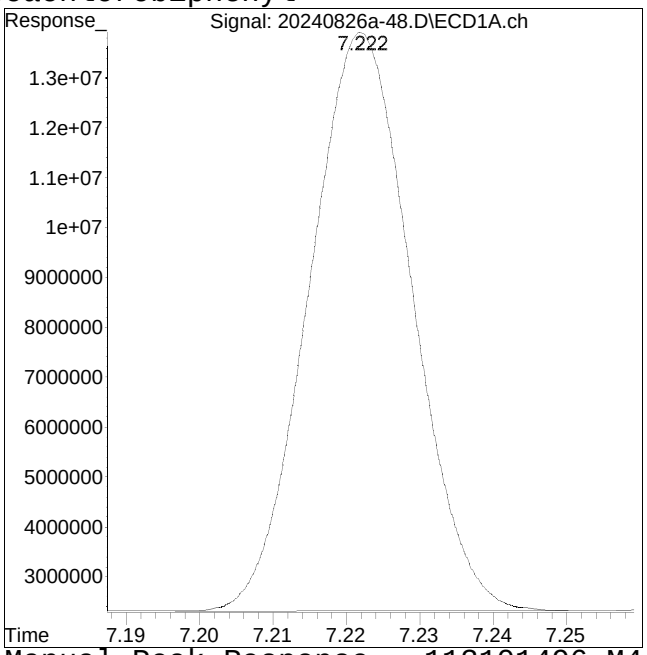
Original Peak Response = 174928344 Manual Peak Response = 174098511 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-48.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:47 Instrument : PEST 20
Sample : L2447503-08,42,, Quant Date : 8/26/2024 11:44 pm

Compound #27: Decachlorobiphenyl



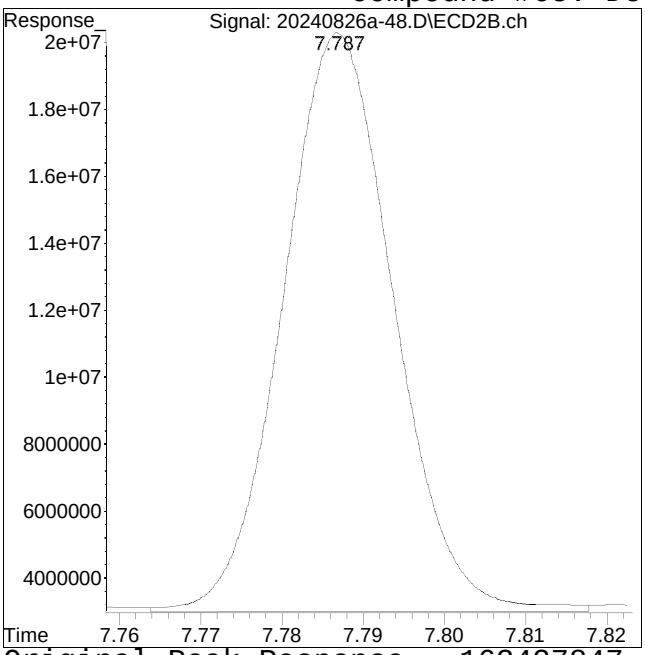


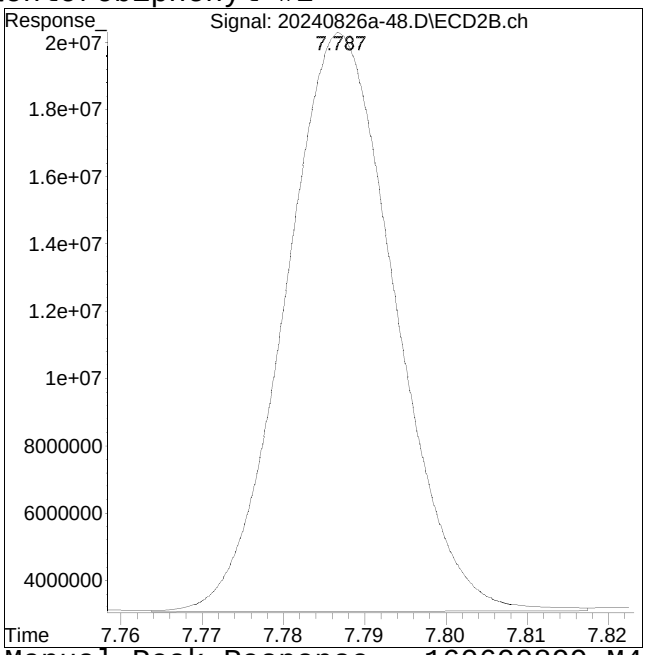
Original Peak Response = 115361924 Manual Peak Response = 113101496 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-48.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:47 Instrument : PEST 20
Sample : L2447503-08,42,, Quant Date : 8/26/2024 11:44 pm

Compound #65: Decachlorobiphenyl #2



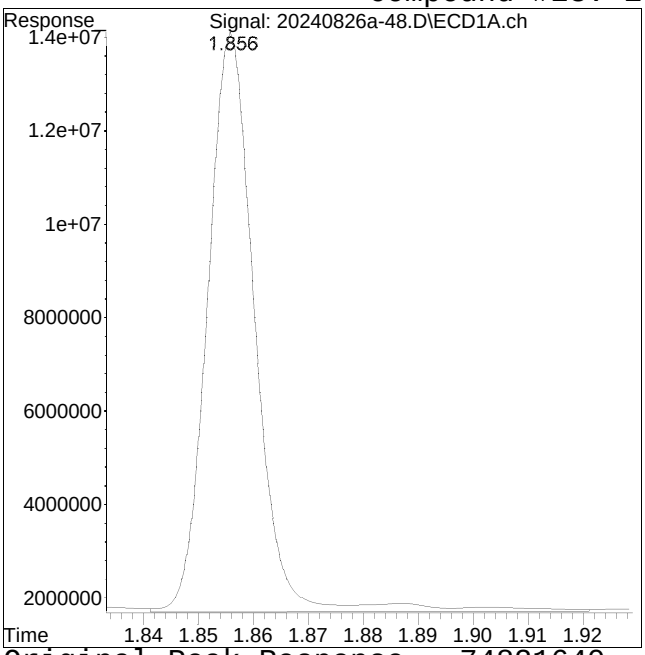


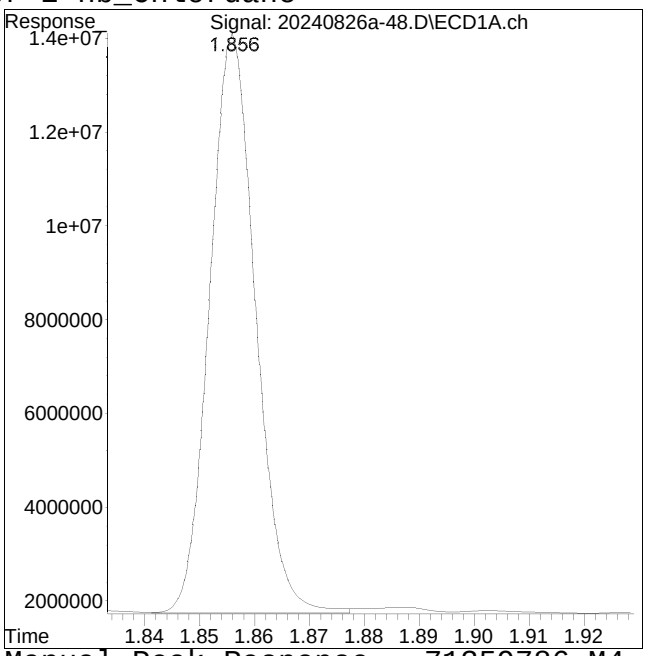
Original Peak Response = 163427847 Manual Peak Response = 160600899 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-48.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:47 Instrument : PEST 20
Sample : L2447503-08,42,, Quant Date : 8/26/2024 11:44 pm

Compound #28: 1-br-2-nb_Chlordane



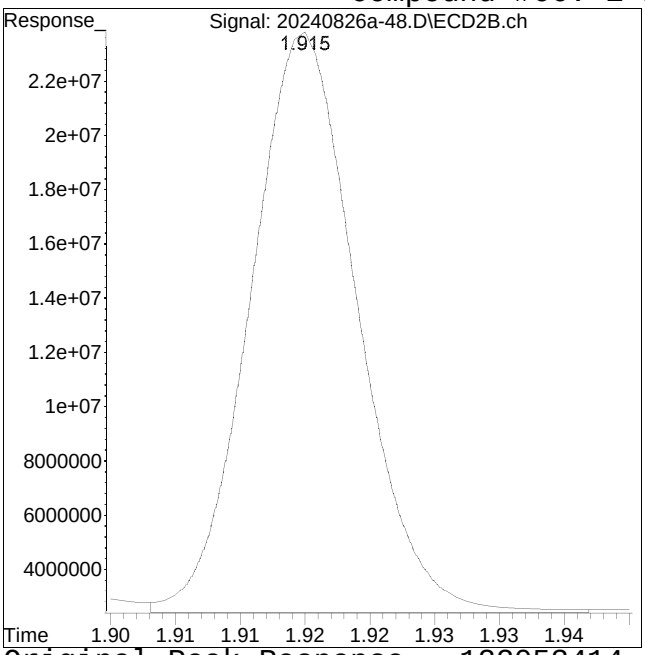


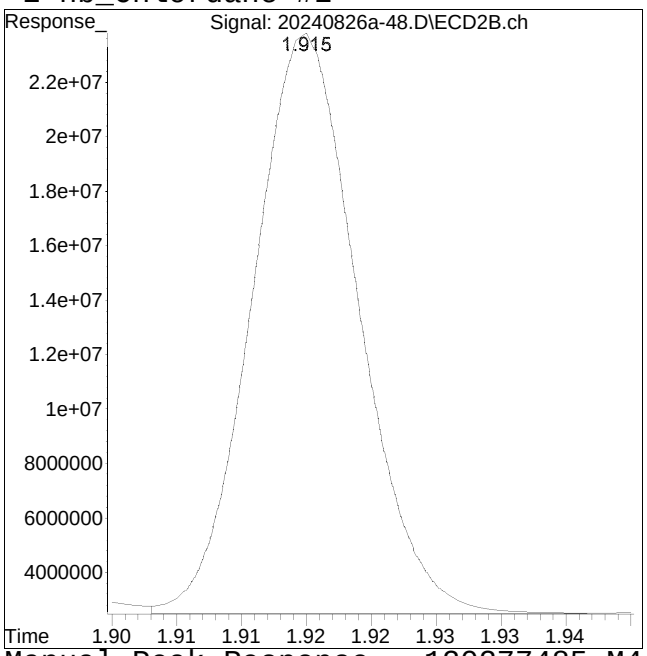
Original Peak Response = 74821640 Manual Peak Response = 71359786 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-48.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:47 Instrument : PEST 20
Sample : L2447503-08,42,, Quant Date : 8/26/2024 11:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



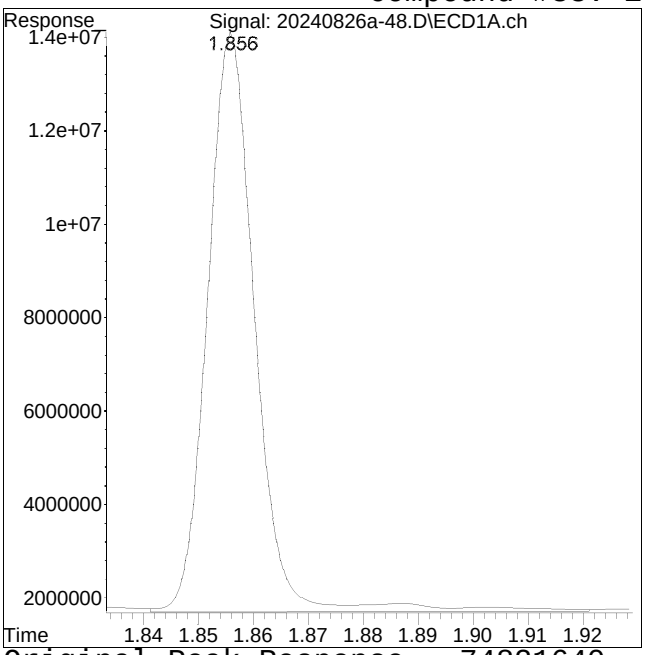


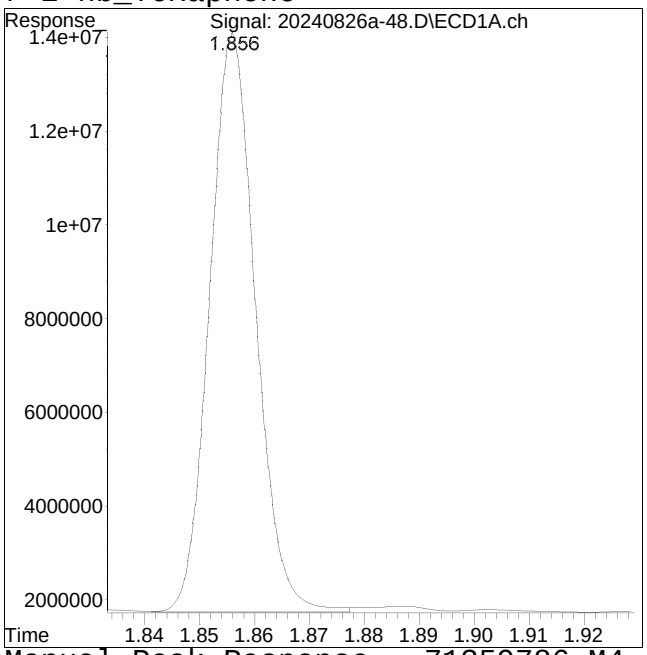
Original Peak Response = 122053414 Manual Peak Response = 120277485 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-48.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:47 Instrument : PEST 20
Sample : L2447503-08,42,, Quant Date : 8/26/2024 11:44 pm

Compound #33: 1-br-2-nb_Toxaphene



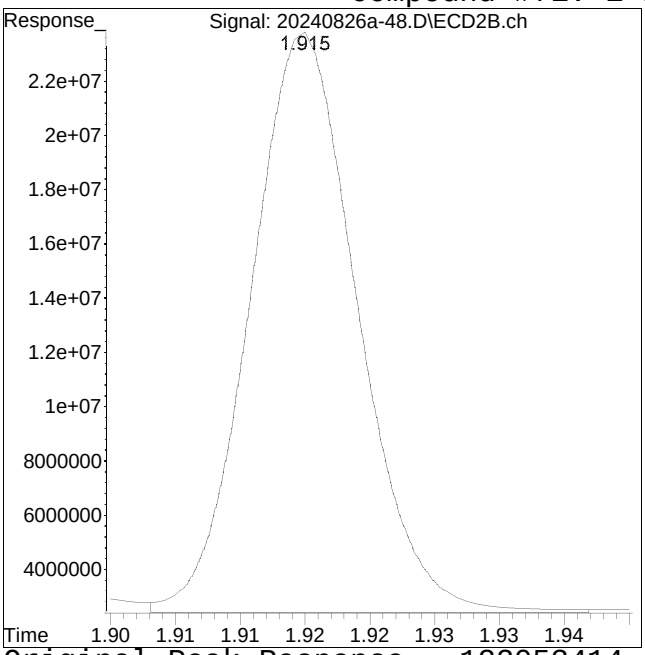


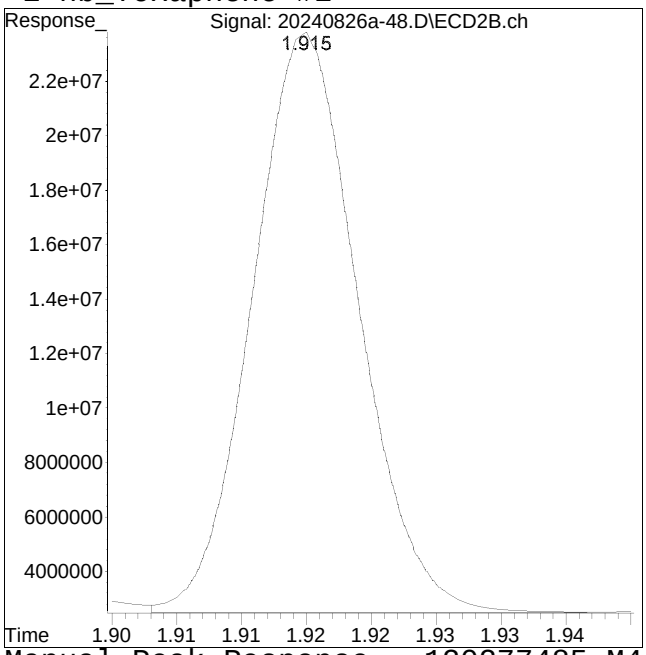
Original Peak Response = 74821640 Manual Peak Response = 71359786 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-48.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:47 Instrument : PEST 20
Sample : L2447503-08,42,, Quant Date : 8/26/2024 11:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 122053414 Manual Peak Response = 120277485 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-49.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:59
Operator : pest20:peg
Sample : L2447503-09,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:44 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.855	1.915	73252158	124.6E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 65622505				Recovery = 111.63%		
	Standard Area 1 : #2 = 111530630				Recovery = 111.70%		
28) i	1-br-2-nb_Ch	1.855	1.915	73252158	124.6E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.855	1.915	73252158	124.6E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.323	2.512	120.1E6	192.7E6	37.213M4	31.606M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 74.43%		63.21%
27) s	Decachlorobi	7.221	7.785	103.9E6	167.9E6	32.391M4	37.480M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 64.78%		74.96%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-49.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:59
Operator : pest20:peg
Sample : L2447503-09,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:44 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

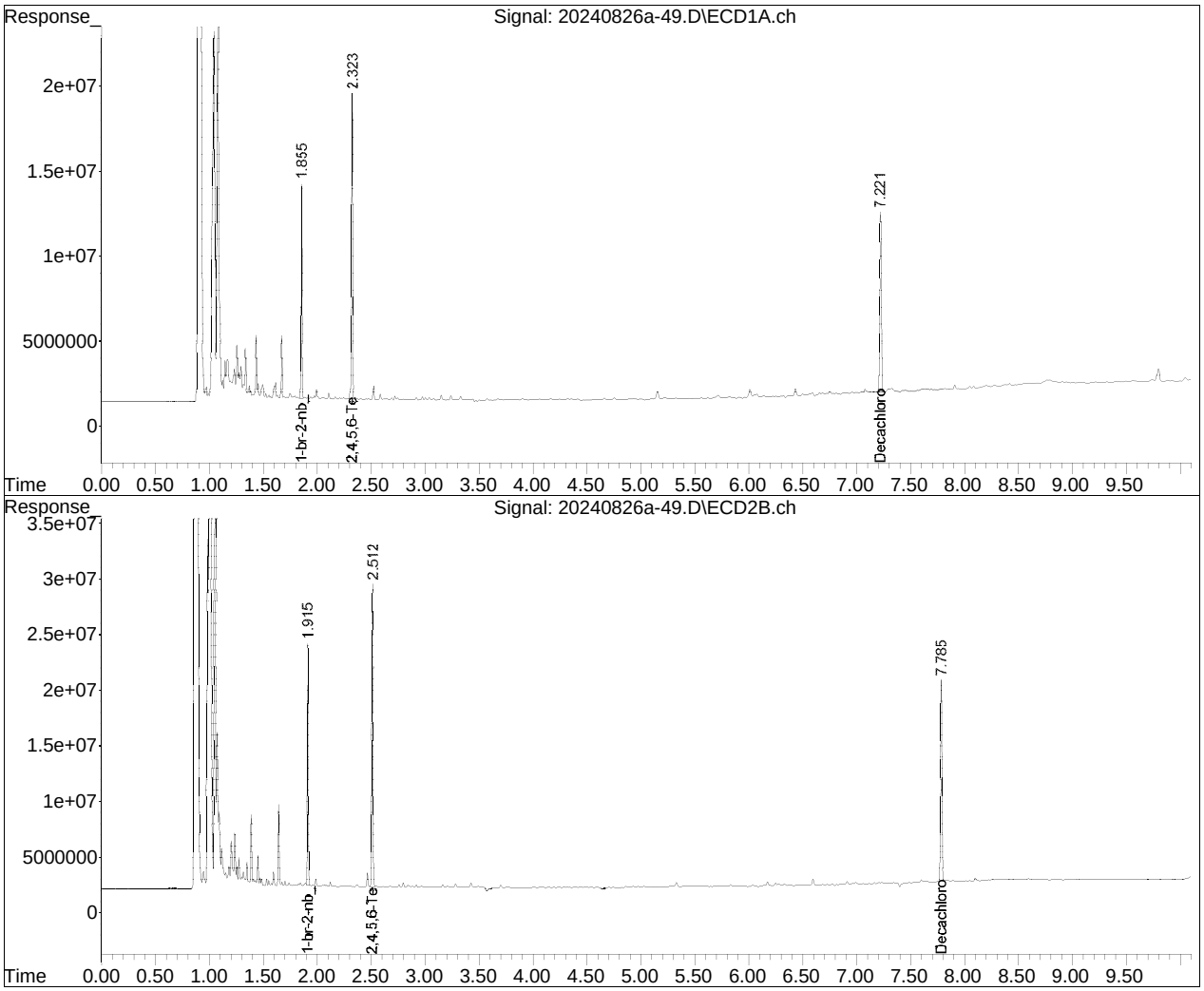
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\20240826a-39.D•

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-49.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 18:59
Operator : pest20:peg
Sample : L2447503-09,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:44 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

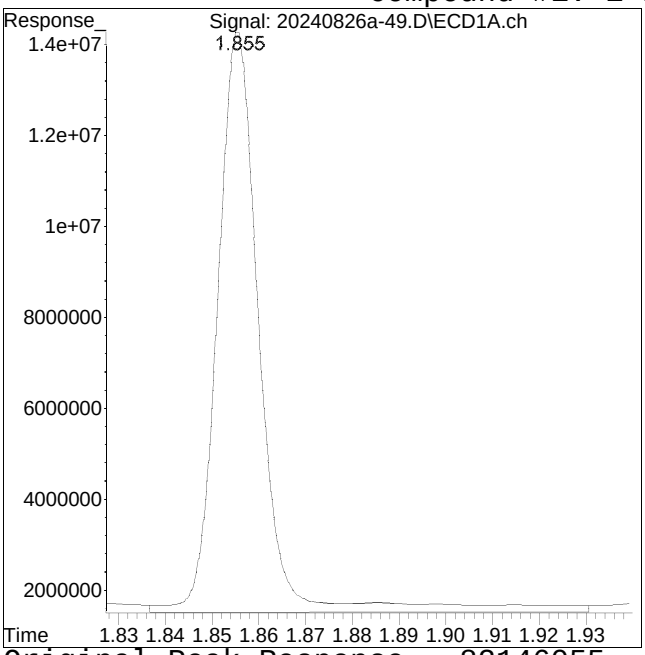
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



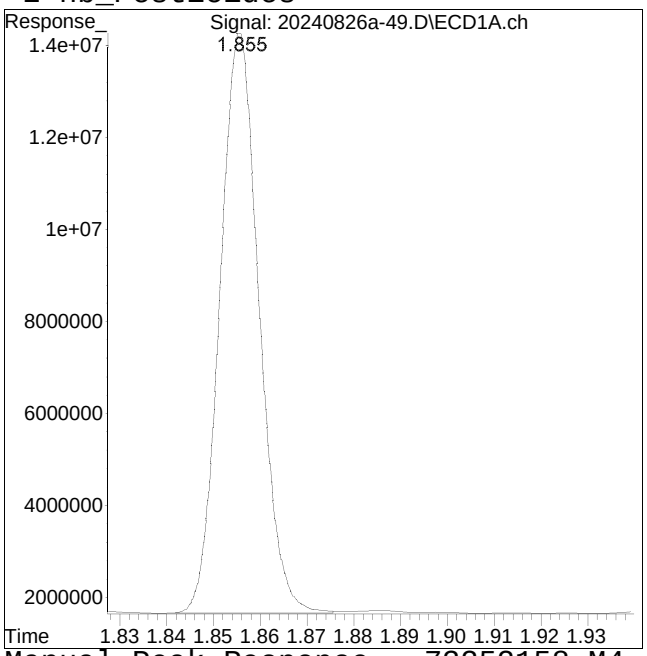
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-49.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:59 Instrument : PEST 20
Sample : L2447503-09,42,, Quant Date : 8/26/2024 11:44 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 82146055



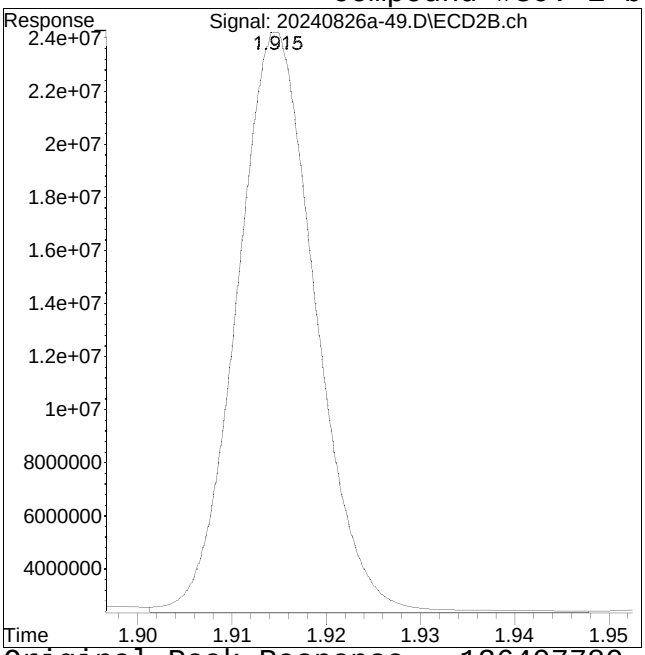
Manual Peak Response = 73252158 M4

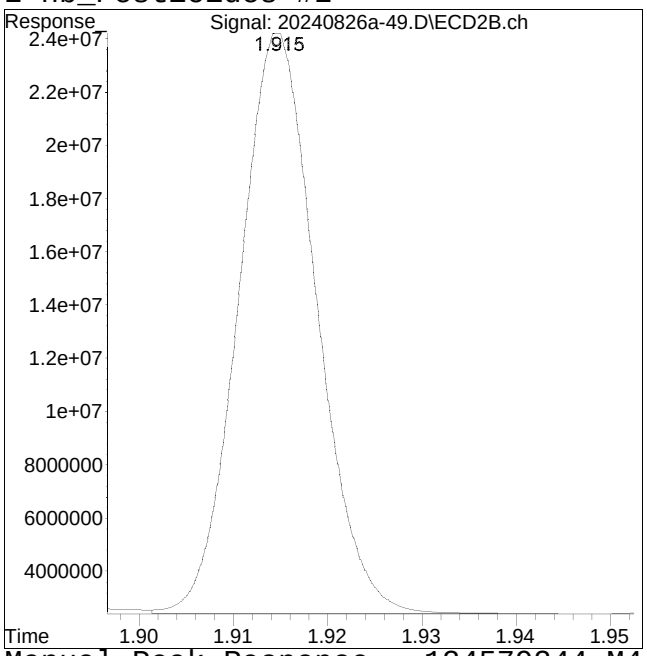
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-49.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:59 Instrument : PEST 20
Sample : L2447503-09,42,, Quant Date : 8/26/2024 11:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



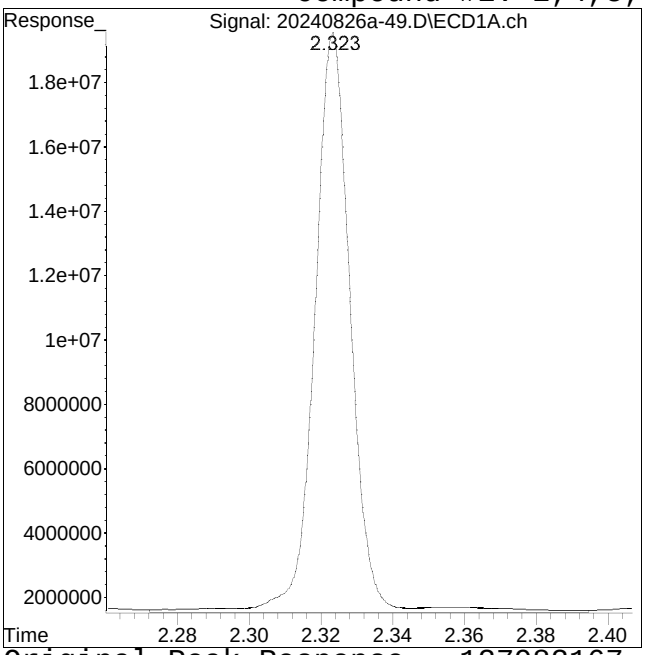


Original Peak Response = 126407780 Manual Peak Response = 124579244 M4
M4 = Poor automated baseline construction.

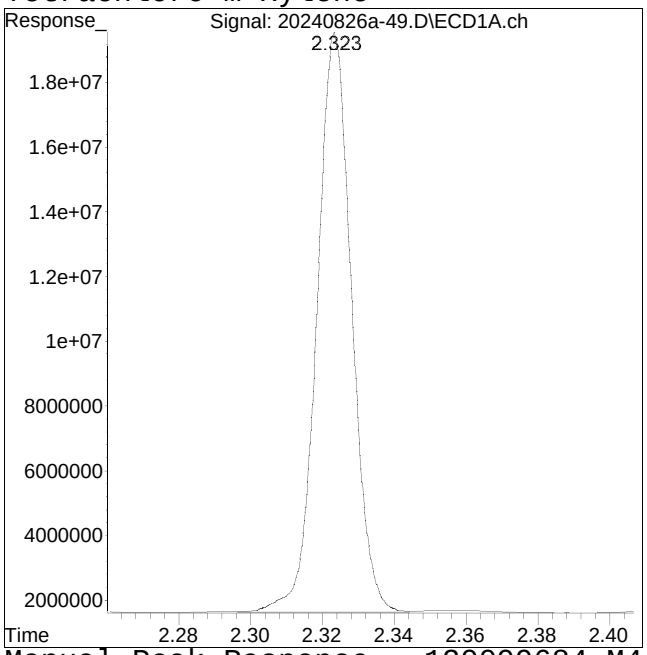
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-49.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:59 Instrument : PEST 20
Sample : L2447503-09,42,, Quant Date : 8/26/2024 11:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 127982167



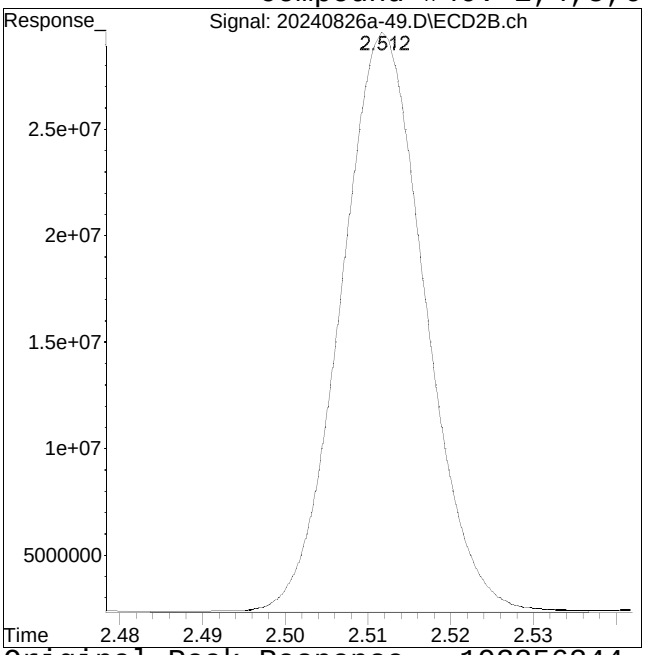
Manual Peak Response = 120099684 M4

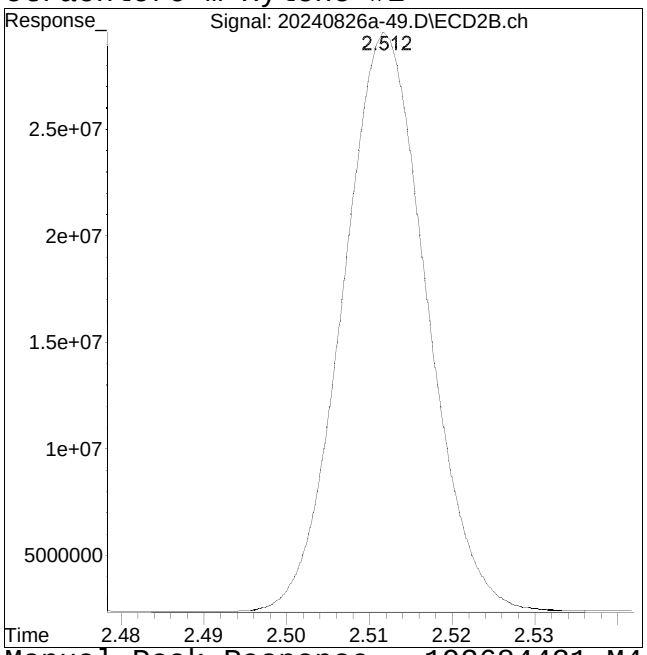
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-49.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:59 Instrument : PEST 20
Sample : L2447503-09,42,, Quant Date : 8/26/2024 11:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



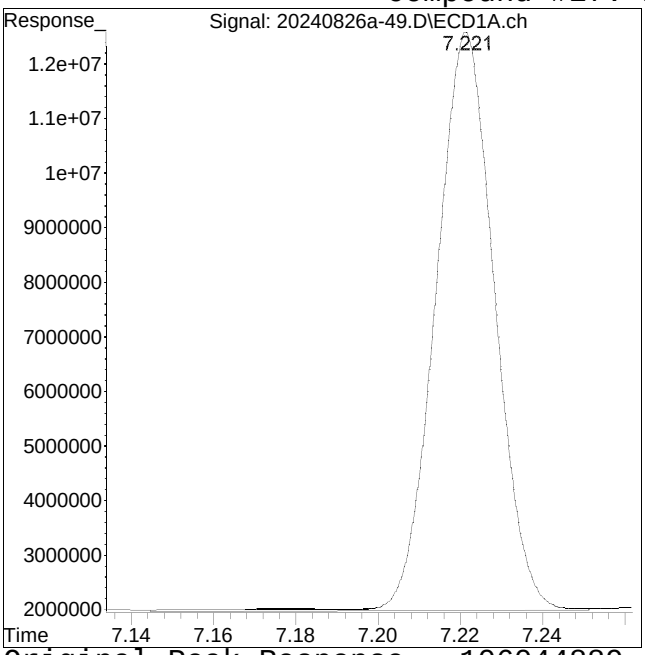


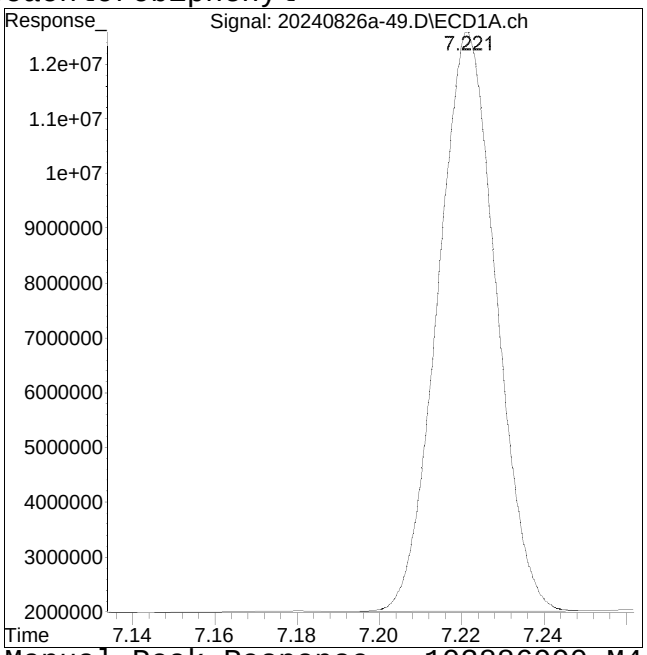
Original Peak Response = 193256344 Manual Peak Response = 192684421 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-49.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:59 Instrument : PEST 20
Sample : L2447503-09,42,, Quant Date : 8/26/2024 11:44 pm

Compound #27: Decachlorobiphenyl



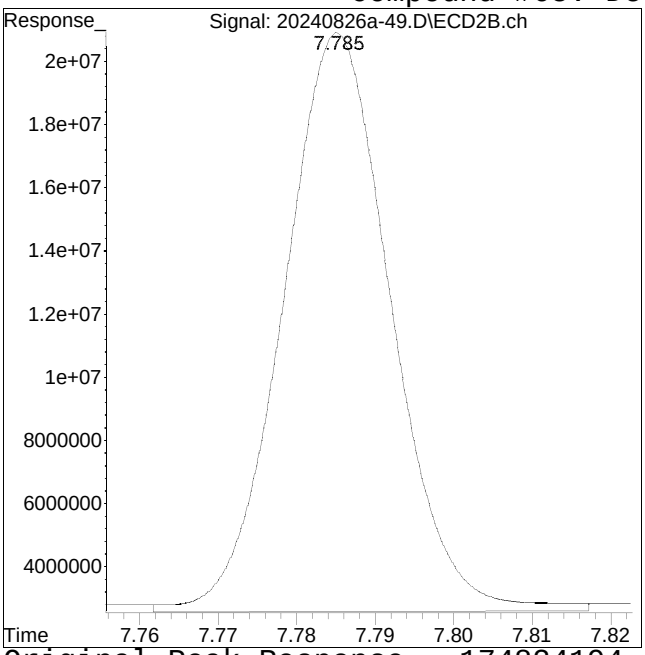


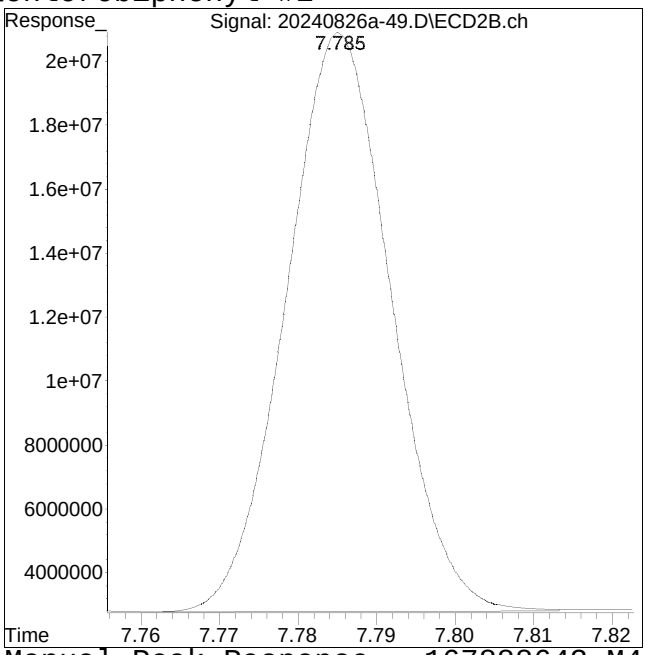
Original Peak Response = 106044889 Manual Peak Response = 103886990 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-49.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:59 Instrument : PEST 20
Sample : L2447503-09,42,, Quant Date : 8/26/2024 11:44 pm

Compound #65: Decachlorobiphenyl #2



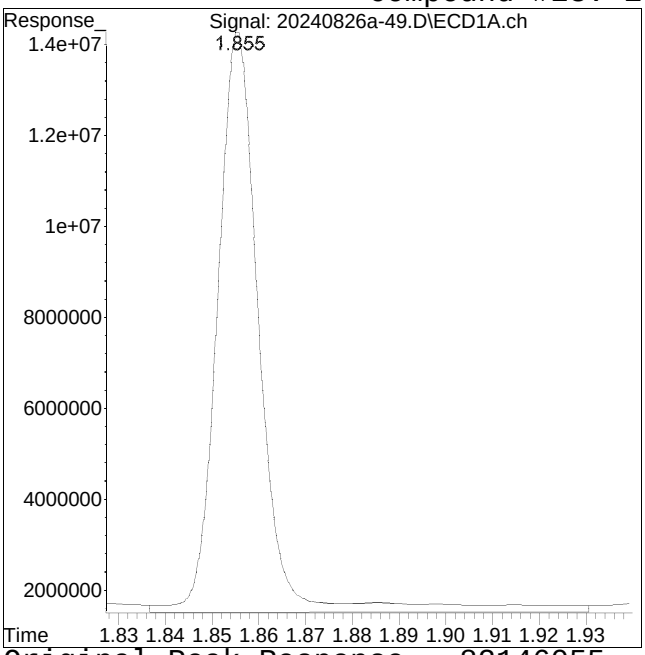


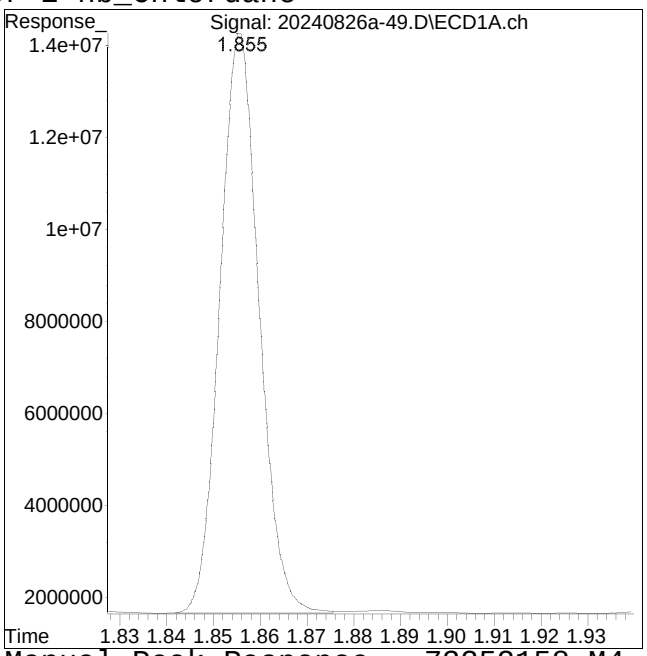
Original Peak Response = 174824194 Manual Peak Response = 167888643 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-49.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:59 Instrument : PEST 20
Sample : L2447503-09,42,, Quant Date : 8/26/2024 11:44 pm

Compound #28: 1-br-2-nb_Chlordane



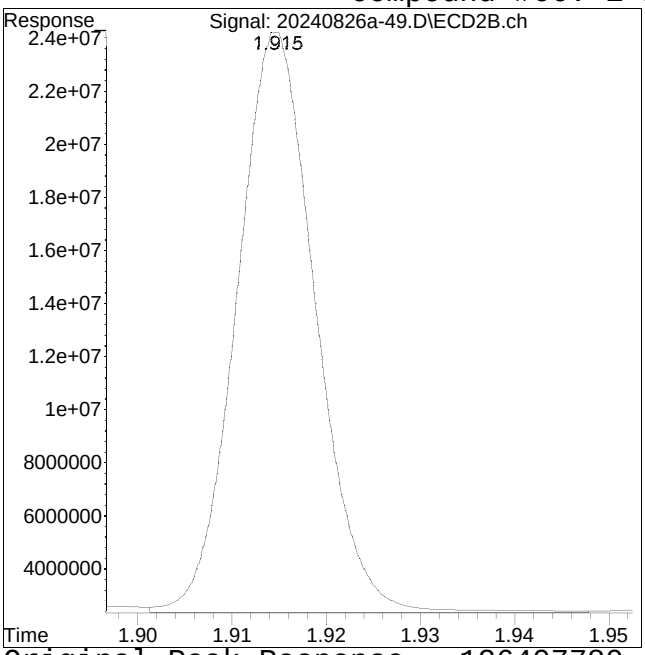


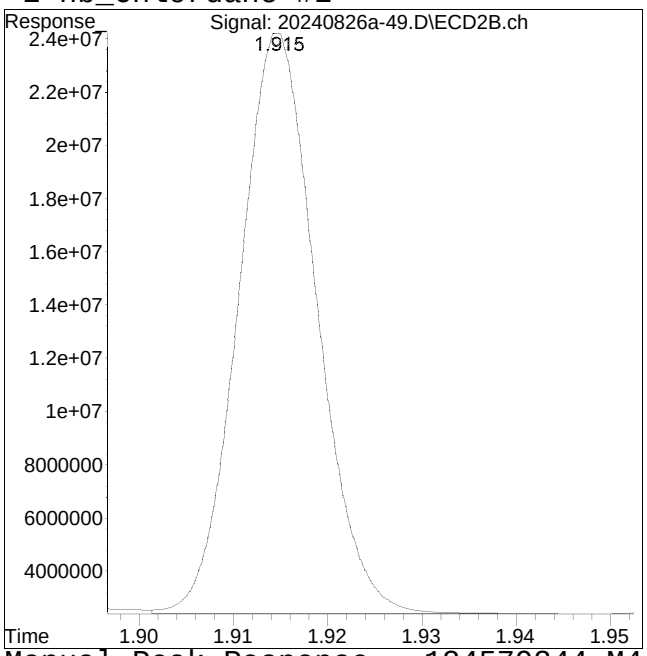
Original Peak Response = 82146055 Manual Peak Response = 73252158 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-49.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:59 Instrument : PEST 20
Sample : L2447503-09,42,, Quant Date : 8/26/2024 11:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



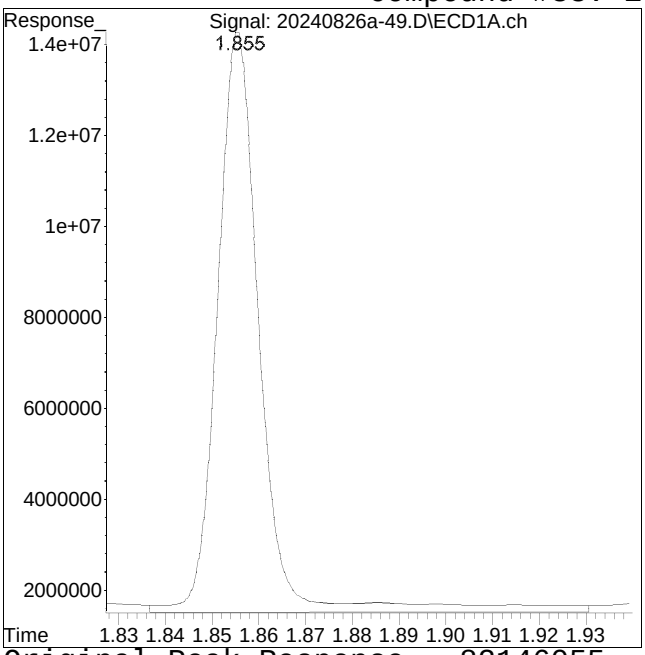


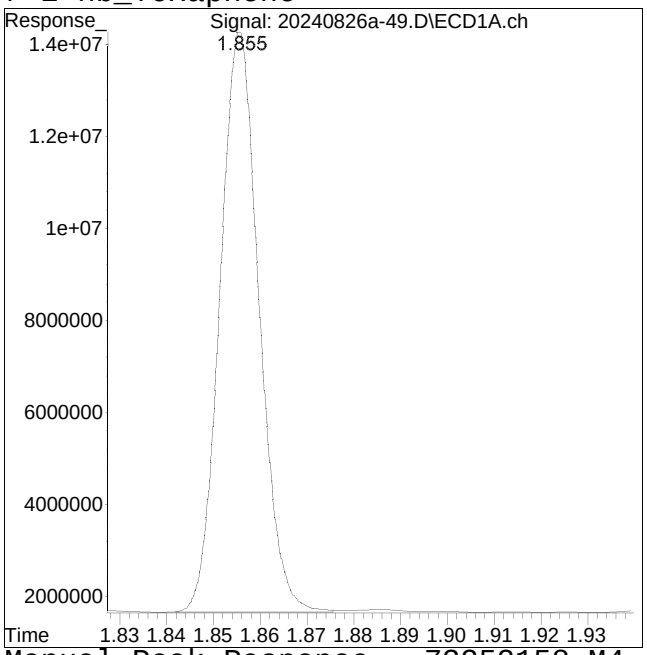
Original Peak Response = 126407780 Manual Peak Response = 124579244 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-49.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:59 Instrument : PEST 20
Sample : L2447503-09,42,, Quant Date : 8/26/2024 11:44 pm

Compound #33: 1-br-2-nb_Toxaphene



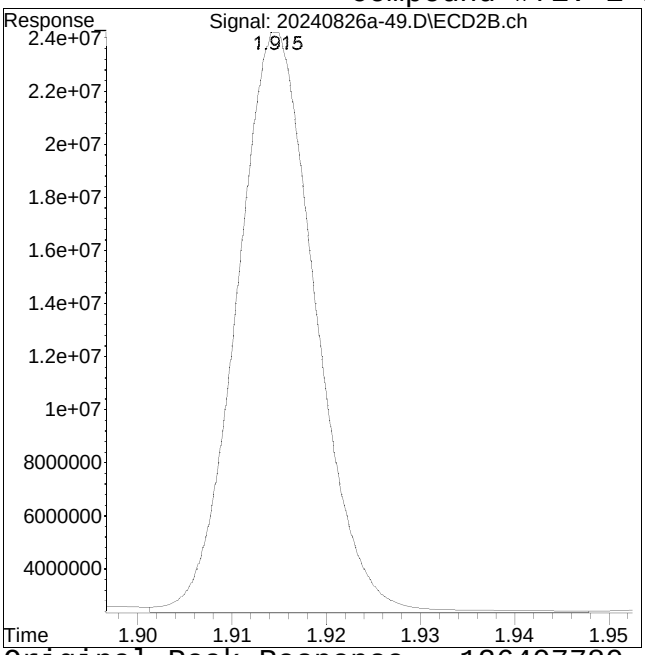


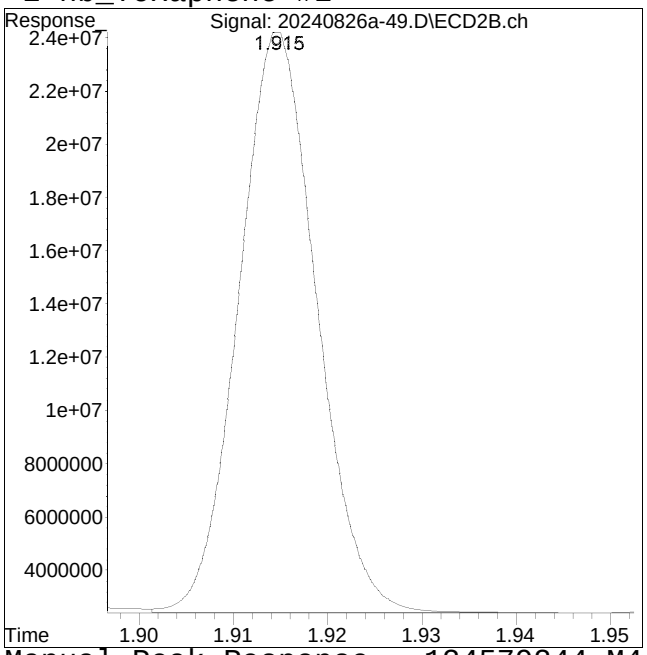
Original Peak Response = 82146055 Manual Peak Response = 73252158 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-49.D Operator : pest20:peg
Date Inj'd : 8/26/2024 18:59 Instrument : PEST 20
Sample : L2447503-09,42,, Quant Date : 8/26/2024 11:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 126407780 Manual Peak Response = 124579244 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-50.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 19:12
Operator : pest20:peg
Sample : L2447503-10,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:51 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.855	1.915	70603130	118.9E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 65622505				Recovery = 107.59%		
	Standard Area 1 : #2 = 111530630				Recovery = 106.65%		
28) i	1-br-2-nb_Ch	1.855	1.915	70603130	118.9E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.855	1.915	70603130	118.9E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.323	2.512	120.9E6	190.0E6	38.917M4	32.647M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	77.83%	65.29%
27) s	Decachlorobi	7.220	7.785	99941229	143.3E6	32.327M4	33.388M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	64.65%	66.78%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-50.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 19:12
Operator : pest20:peg
Sample : L2447503-10,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:51 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest20\2024\240826a\20240826a-39.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

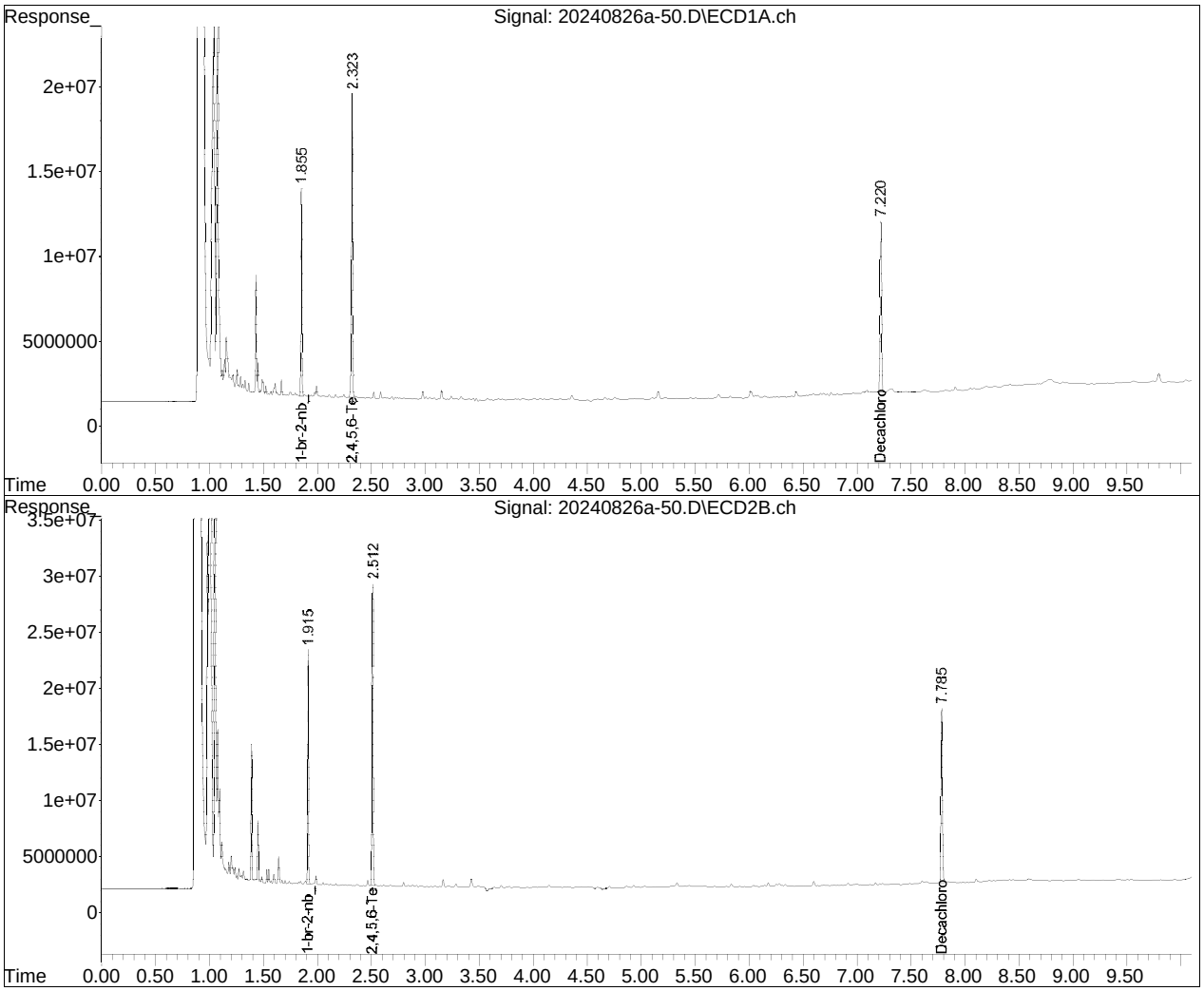
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\20240826a-39.D•

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-50.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 19:12
Operator : pest20:peg
Sample : L2447503-10,42,,
Misc : wg1963797,WG1963569,ical21322
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:44:51 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:06 2024
Response via : Initial Calibration
Integrator: ChemStation

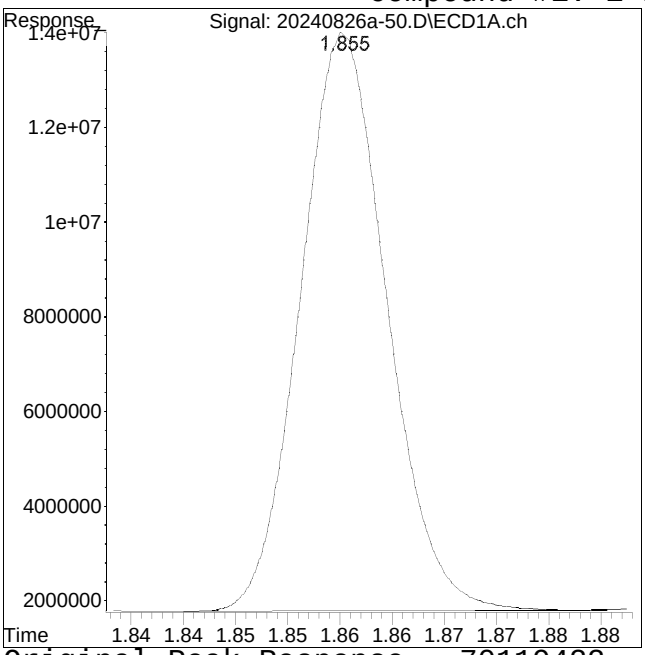
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

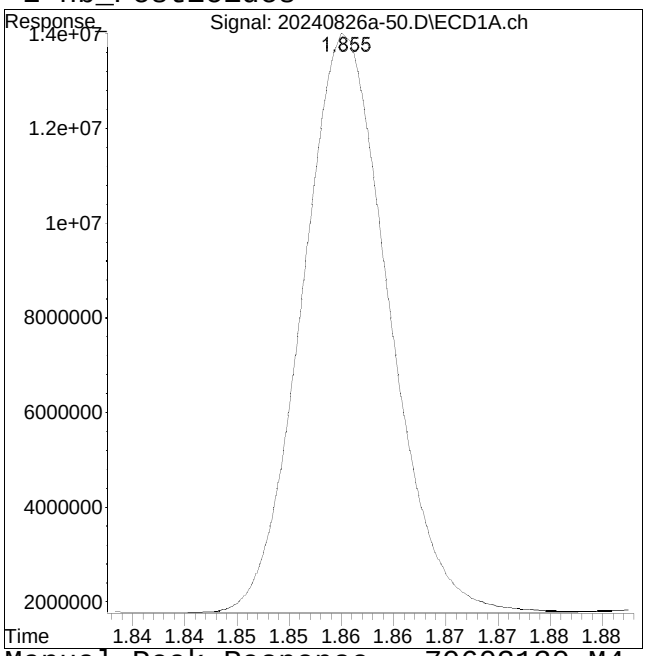


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-50.D Operator : pest20:peg
Date Inj'd : 8/26/2024 19:12 Instrument : PEST 20
Sample : L2447503-10,42,, Quant Date : 8/26/2024 11:44 pm

Compound #1: 1-br-2-nb_Pesticides



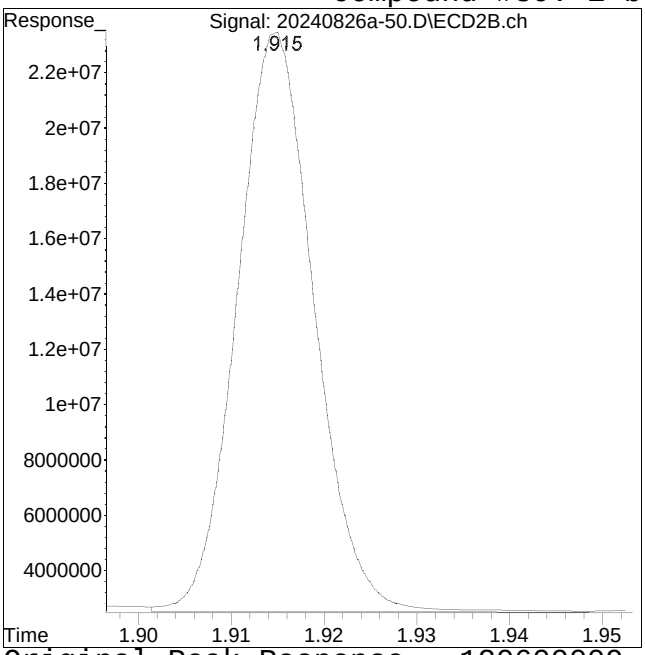


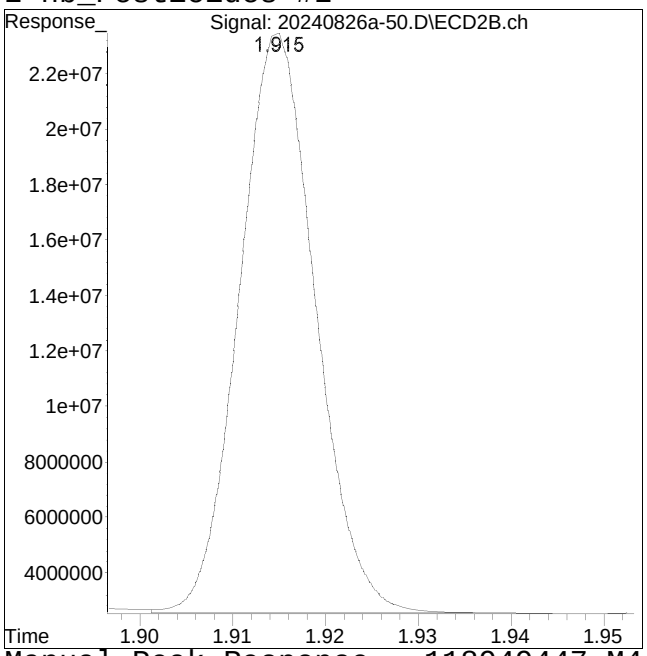
Original Peak Response = 70119422 Manual Peak Response = 70603130 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-50.D Operator : pest20:peg
Date Inj'd : 8/26/2024 19:12 Instrument : PEST 20
Sample : L2447503-10,42,, Quant Date : 8/26/2024 11:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



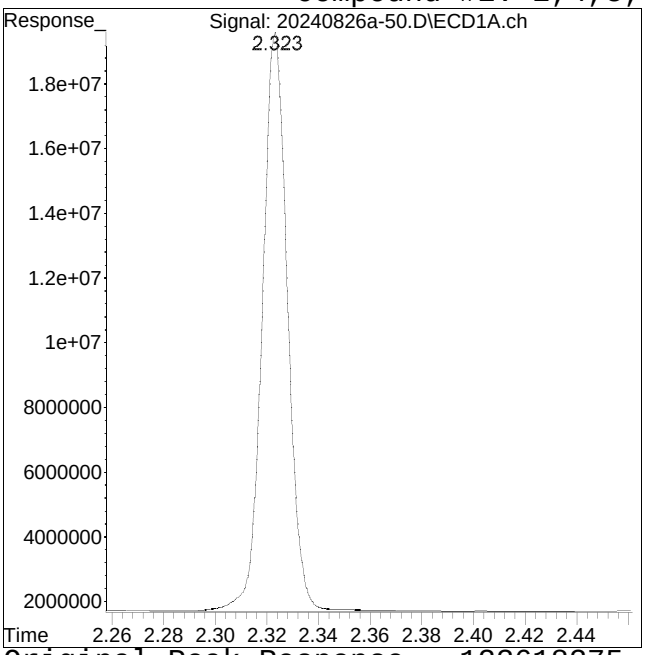


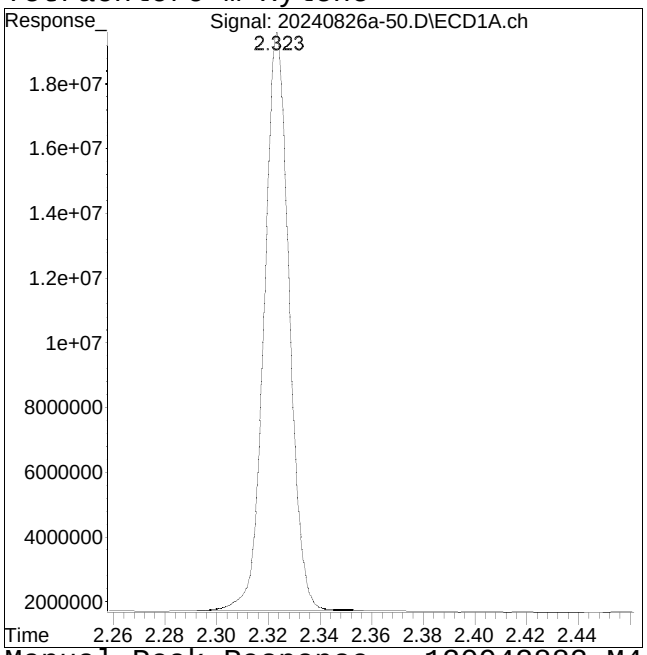
Original Peak Response = 120600009 Manual Peak Response = 118949447 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-50.D Operator : pest20:peg
Date Inj'd : 8/26/2024 19:12 Instrument : PEST 20
Sample : L2447503-10,42,, Quant Date : 8/26/2024 11:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



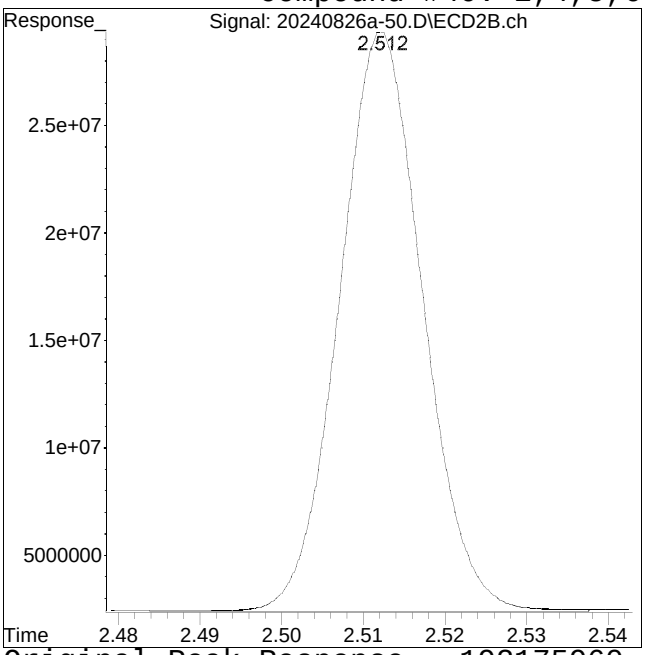


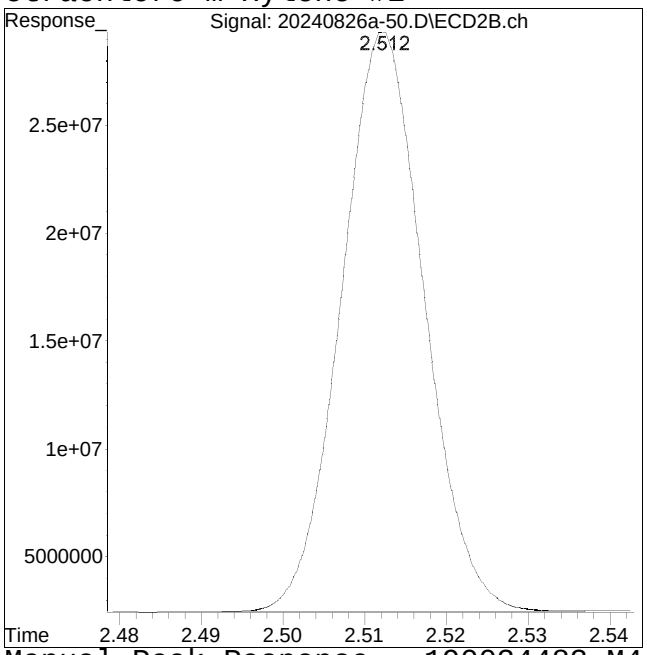
Original Peak Response = 123618375 Manual Peak Response = 120942882 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-50.D Operator : pest20:peg
Date Inj'd : 8/26/2024 19:12 Instrument : PEST 20
Sample : L2447503-10,42,, Quant Date : 8/26/2024 11:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



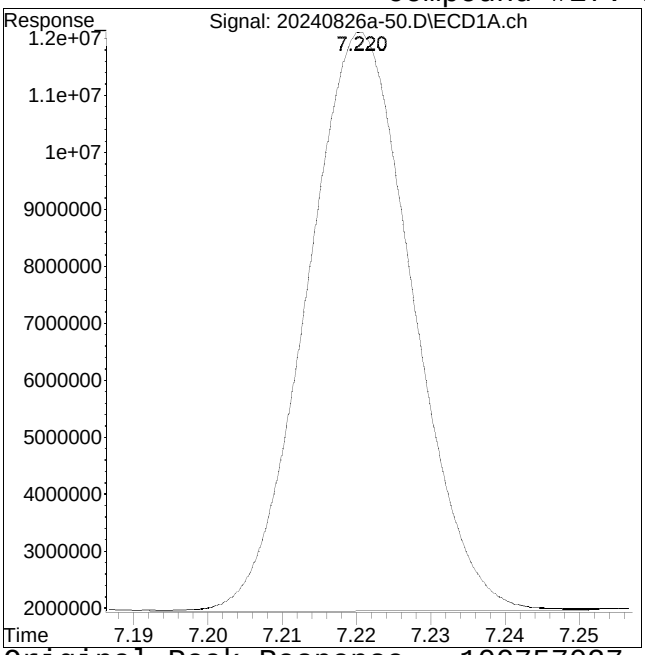


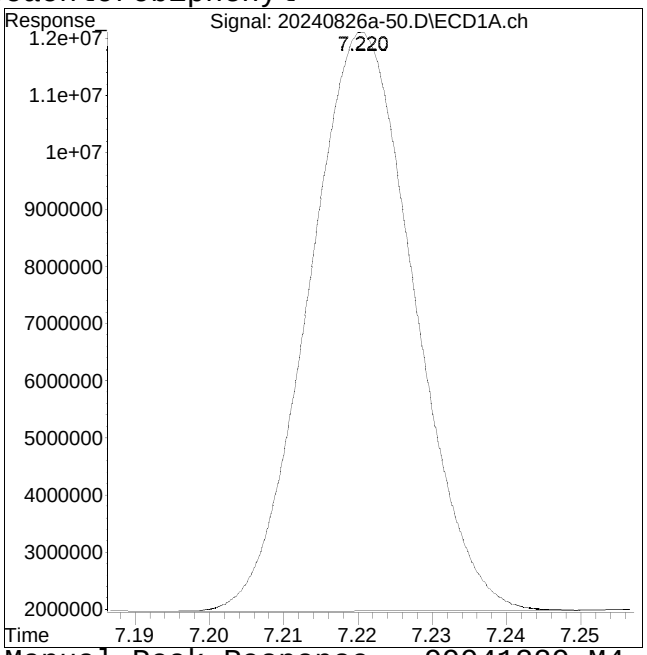
Original Peak Response = 192175960 Manual Peak Response = 190034483 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-50.D Operator : pest20:peg
Date Inj'd : 8/26/2024 19:12 Instrument : PEST 20
Sample : L2447503-10,42,, Quant Date : 8/26/2024 11:44 pm

Compound #27: Decachlorobiphenyl



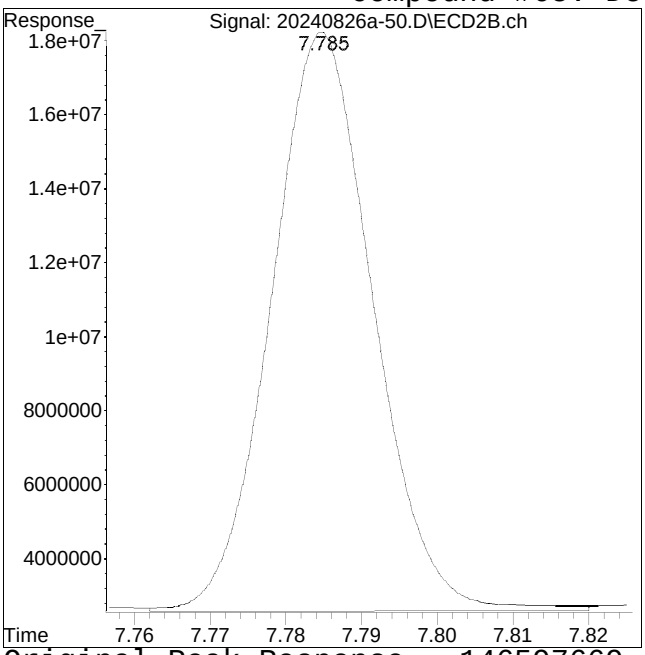


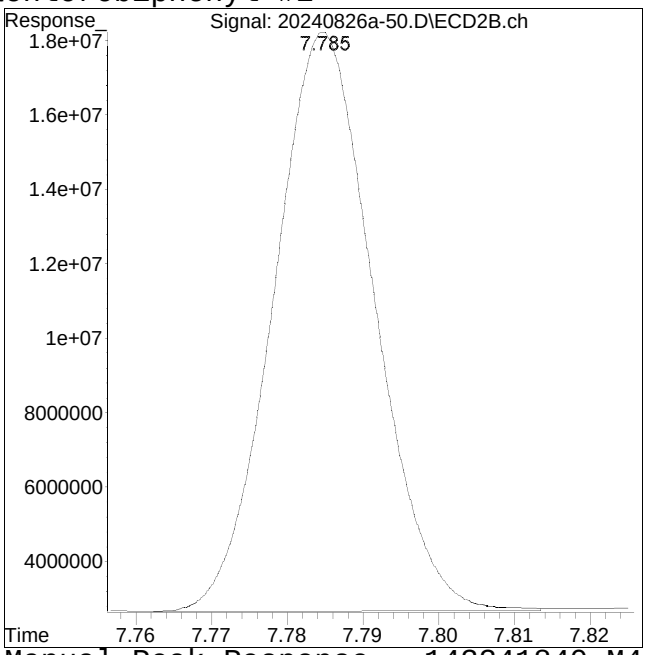
Original Peak Response = 100757027 Manual Peak Response = 99941229 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-50.D Operator : pest20:peg
Date Inj'd : 8/26/2024 19:12 Instrument : PEST 20
Sample : L2447503-10,42,, Quant Date : 8/26/2024 11:44 pm

Compound #65: Decachlorobiphenyl #2



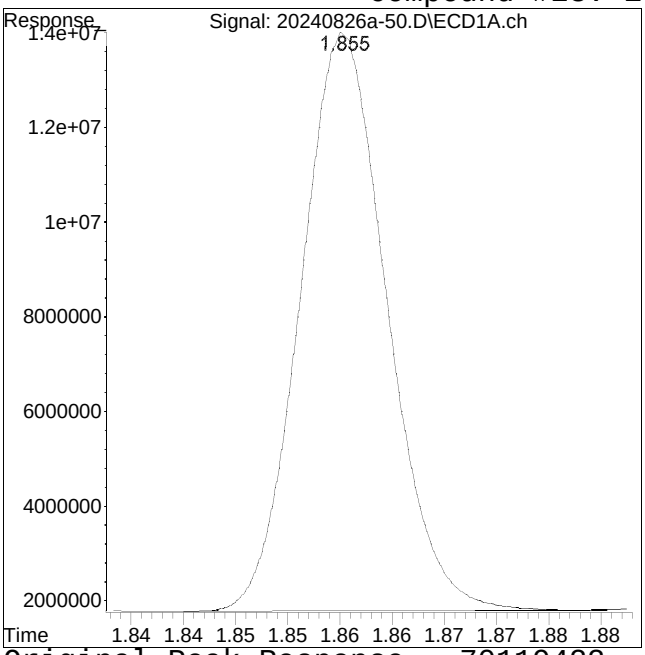


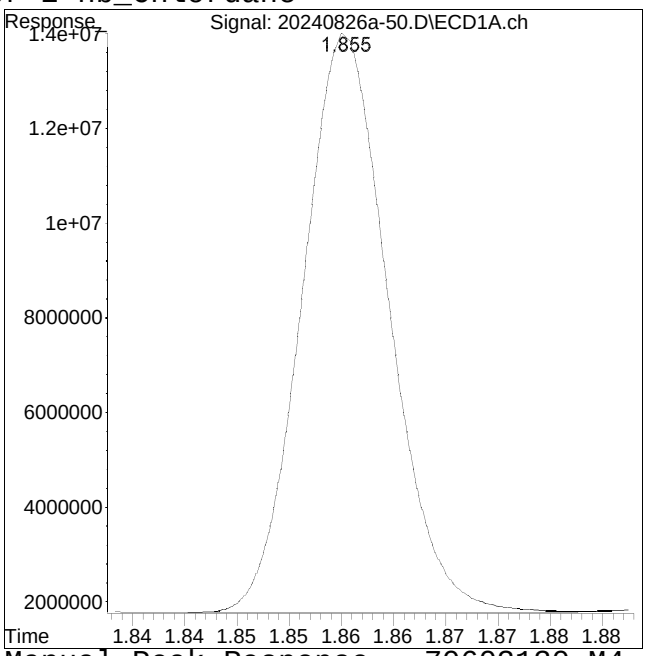
Original Peak Response = 146597669 Manual Peak Response = 143341840 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-50.D Operator : pest20:peg
Date Inj'd : 8/26/2024 19:12 Instrument : PEST 20
Sample : L2447503-10,42,, Quant Date : 8/26/2024 11:44 pm

Compound #28: 1-br-2-nb_Chlordane



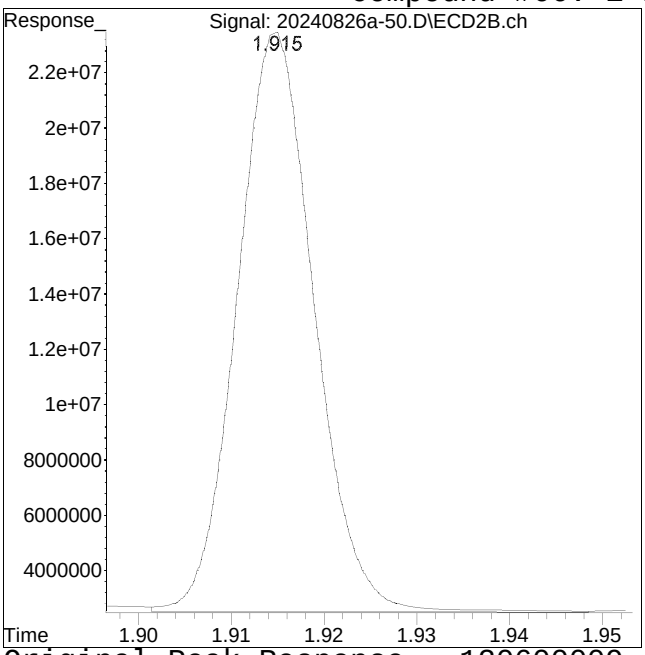


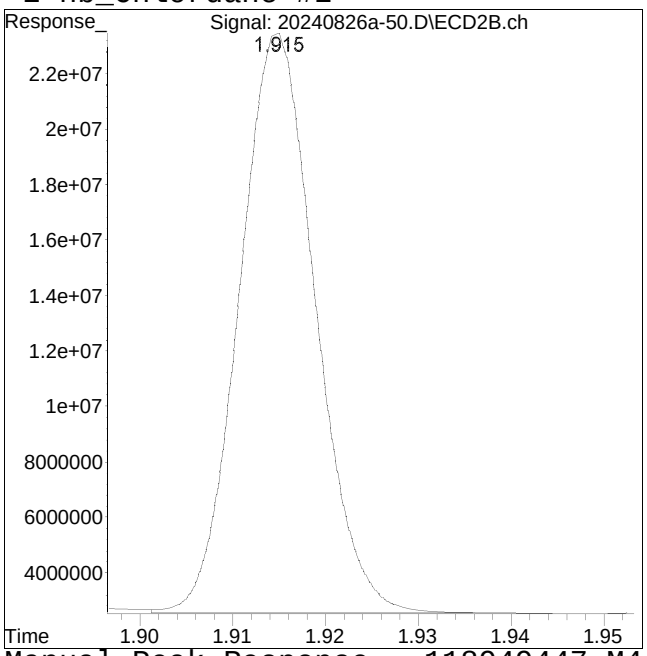
Original Peak Response = 70119422 Manual Peak Response = 70603130 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-50.D Operator : pest20:peg
Date Inj'd : 8/26/2024 19:12 Instrument : PEST 20
Sample : L2447503-10,42,, Quant Date : 8/26/2024 11:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



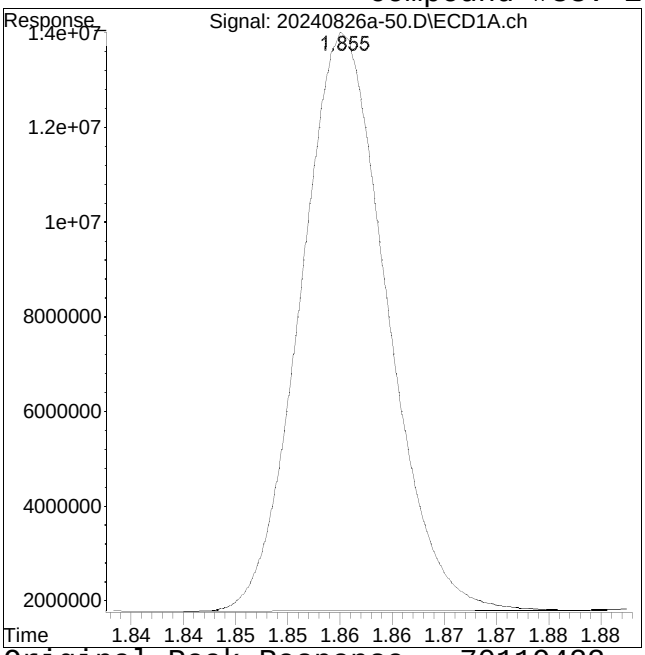


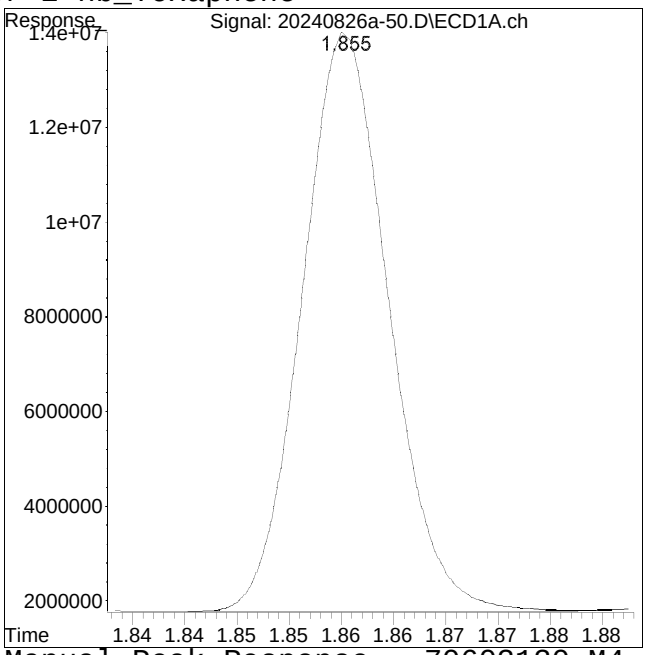
Original Peak Response = 120600009 Manual Peak Response = 118949447 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-50.D Operator : pest20:peg
Date Inj'd : 8/26/2024 19:12 Instrument : PEST 20
Sample : L2447503-10,42,, Quant Date : 8/26/2024 11:44 pm

Compound #33: 1-br-2-nb_Toxaphene



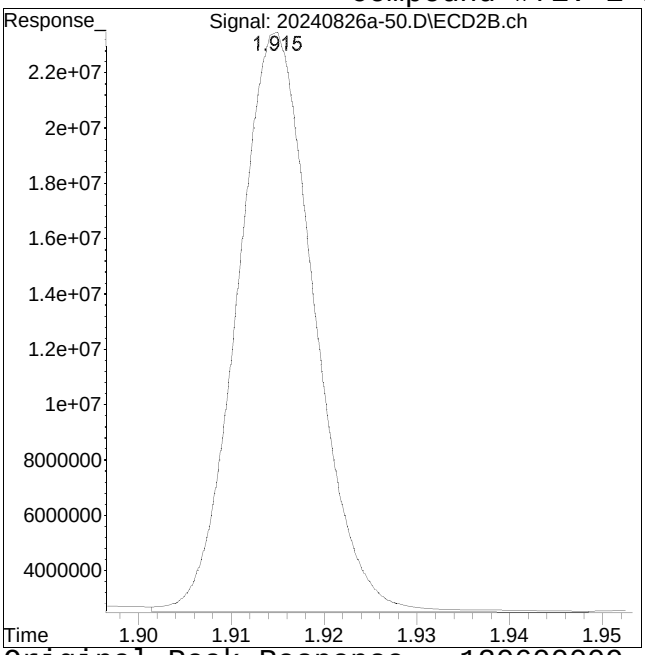


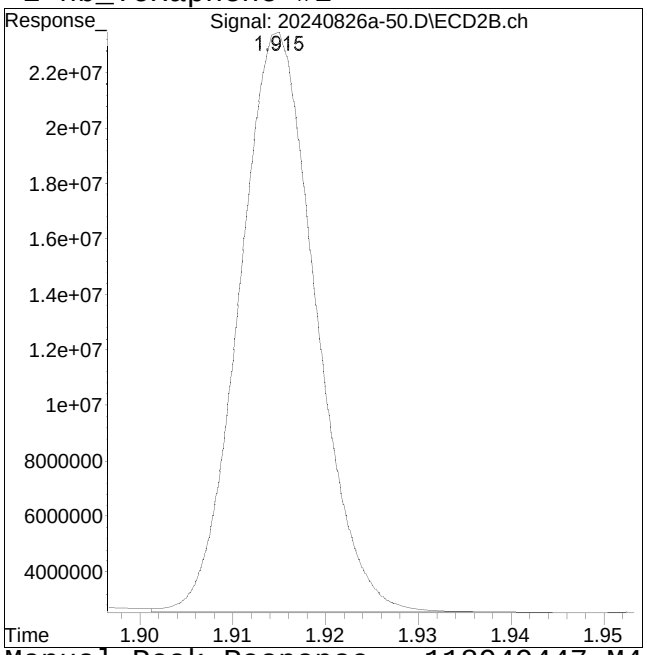
Original Peak Response = 70119422 Manual Peak Response = 70603130 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-50.D Operator : pest20:peg
Date Inj'd : 8/26/2024 19:12 Instrument : PEST 20
Sample : L2447503-10,42,, Quant Date : 8/26/2024 11:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 120600009 Manual Peak Response = 118949447 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 9:50
Operator : PEST11:ejl
Sample : L2447503-01,42,,
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:20 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.264	1.340	287.9E6	184.3E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 226873788				Recovery = 126.92%		
	Standard Area 1 : #2 = 173865216				Recovery = 105.97%		
28) i	1-br-2-nb_Ch	1.264	1.340	287.9E6	184.3E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.264	1.340	287.9E6	184.3E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.602	1.804	380.8E6	247.6E6	31.822M3	30.162M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 63.64%		60.32%
27) s	Decachlorobi	6.229	6.872	340.0E6	197.6E6	25.386M3	25.295M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 50.77%		50.59%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 9:50
Operator : PEST11:ejl
Sample : L2447503-01,42,,
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:20 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

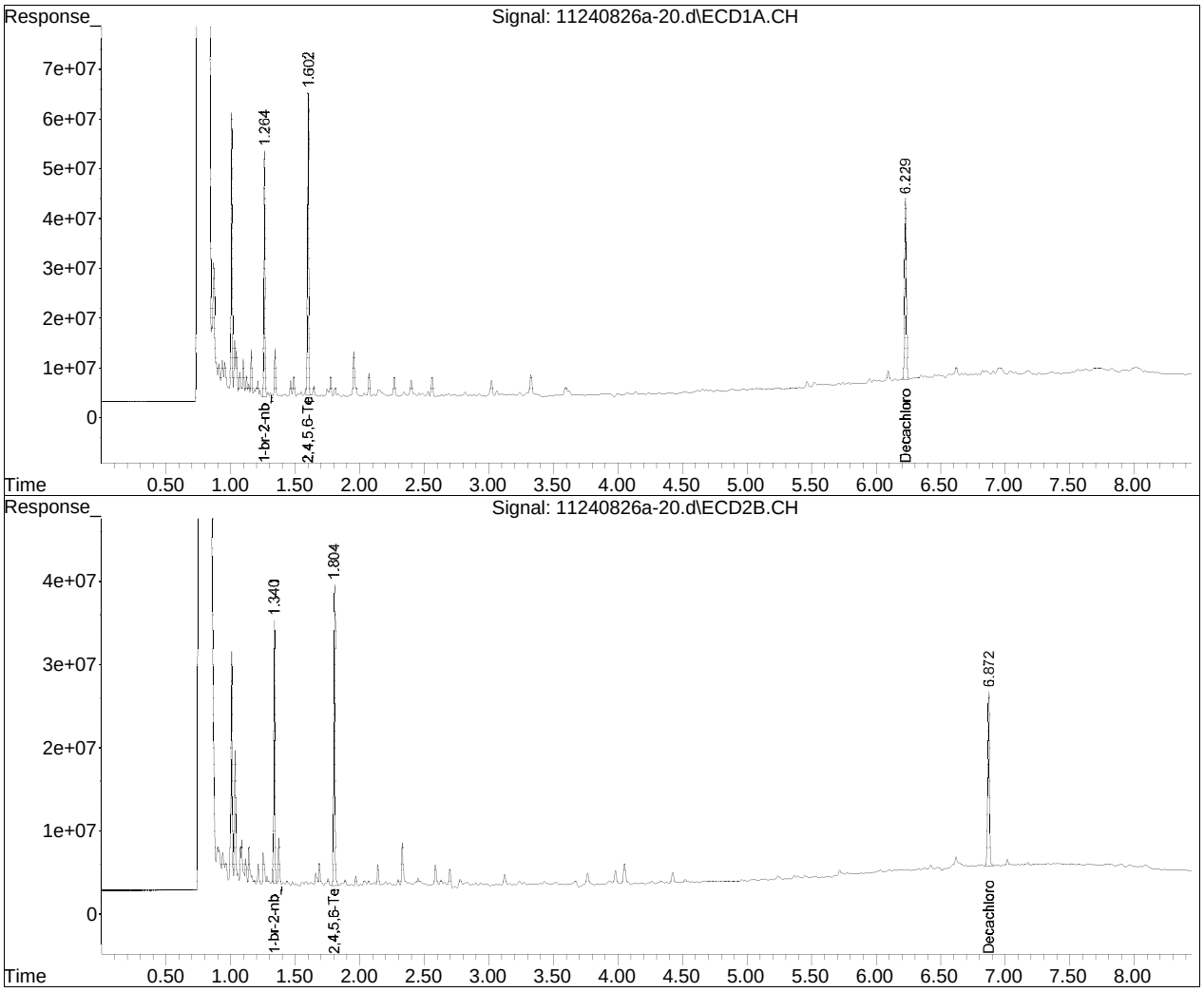
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240826a-03.d•

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 9:50
Operator : PEST11:ejl
Sample : L2447503-01,42,,
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:20 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

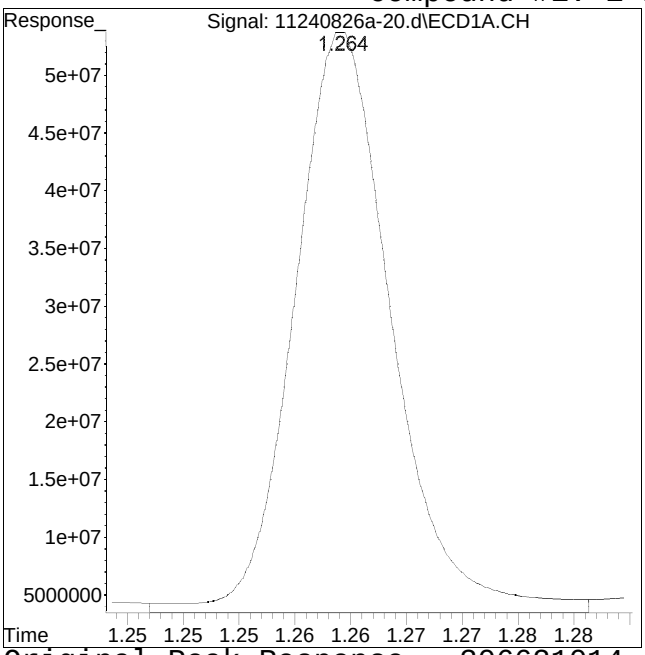
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



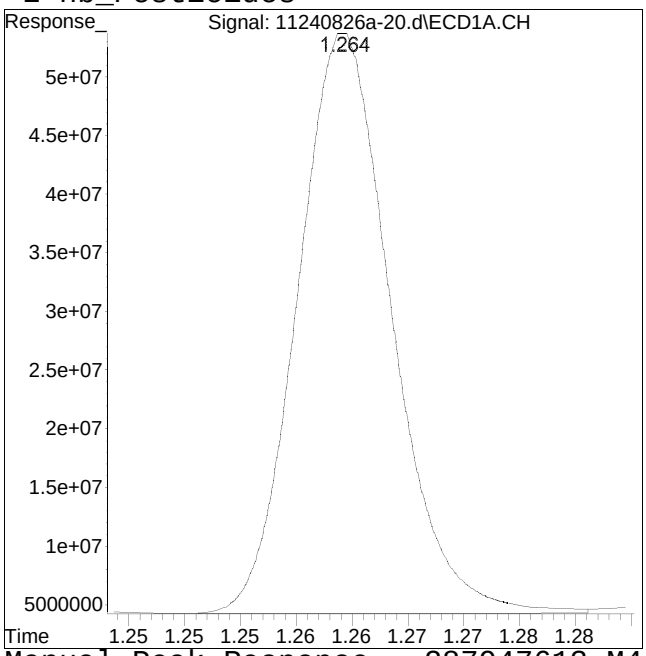
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-20.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:50 Instrument : Pest 11
Sample : L2447503-01,42,, Quant Date : 8/26/2024 1:55 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 306621014



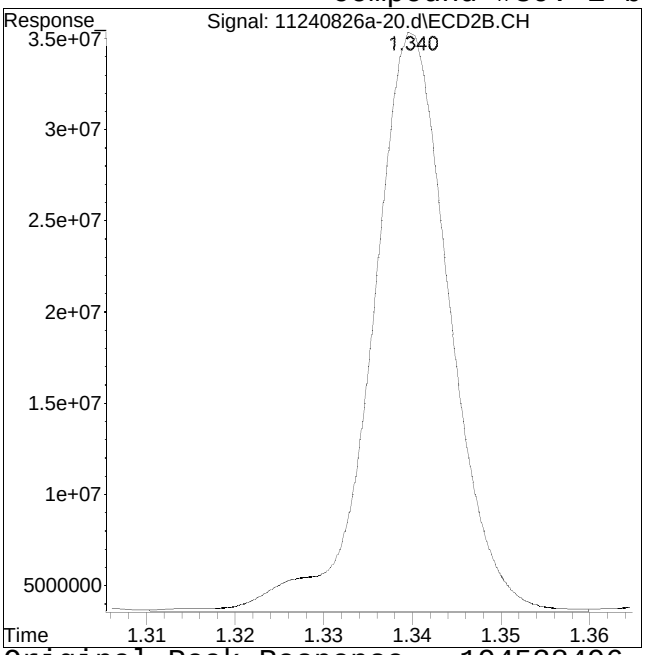
Manual Peak Response = 287947613 M4

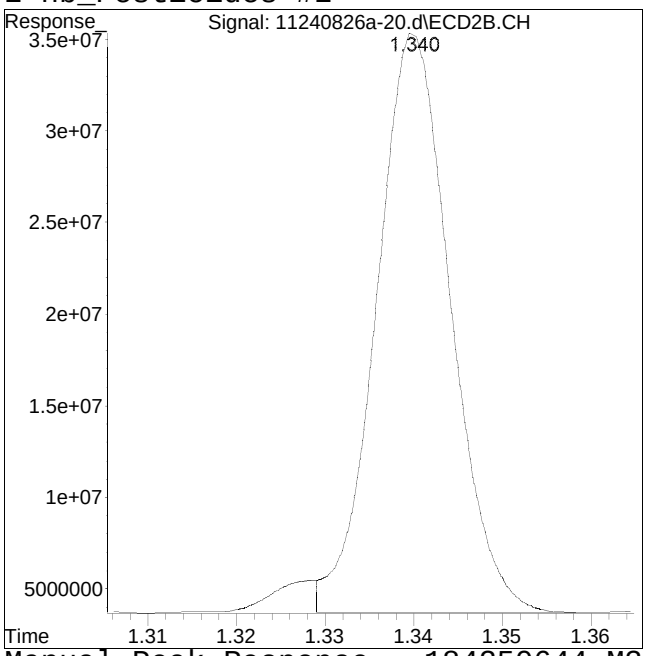
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-20.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:50 Instrument : Pest 11
Sample : L2447503-01,42,, Quant Date : 8/26/2024 1:55 pm

Compound #39: 1-br-2-nb_Pesticides #2



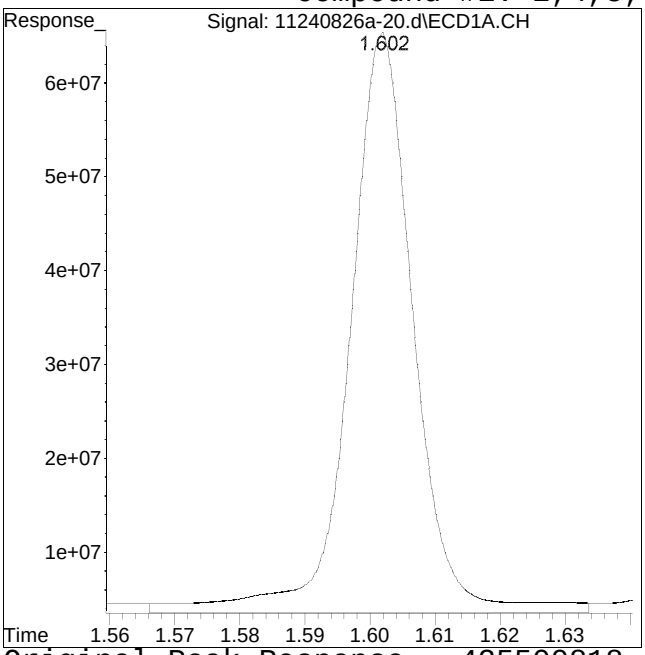


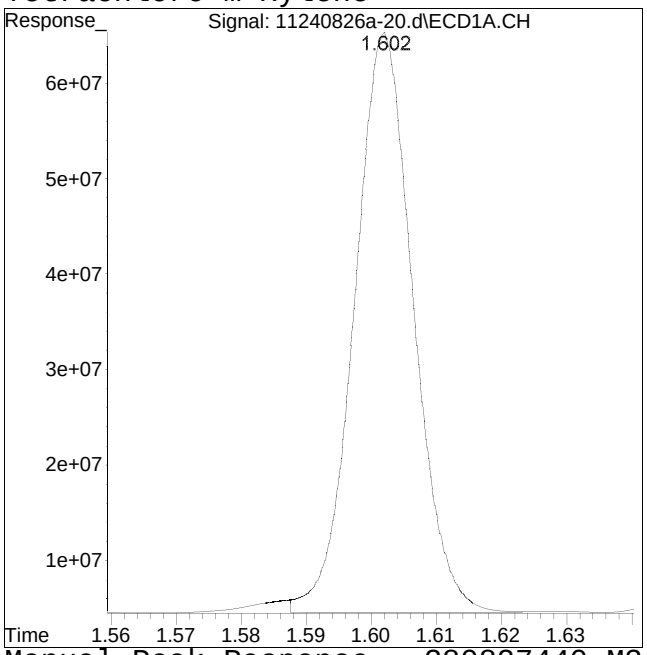
Original Peak Response = 194538496 Manual Peak Response = 184250644 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-20.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:50 Instrument : Pest 11
Sample : L2447503-01,42,, Quant Date : 8/26/2024 1:55 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



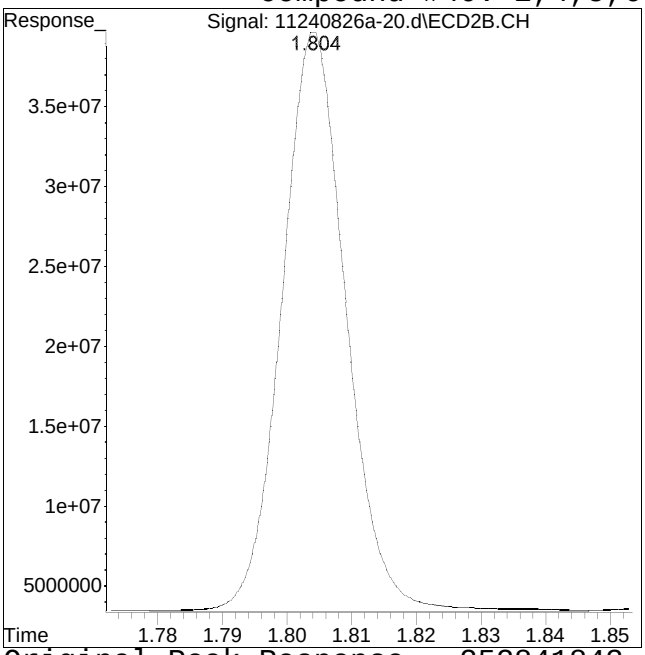


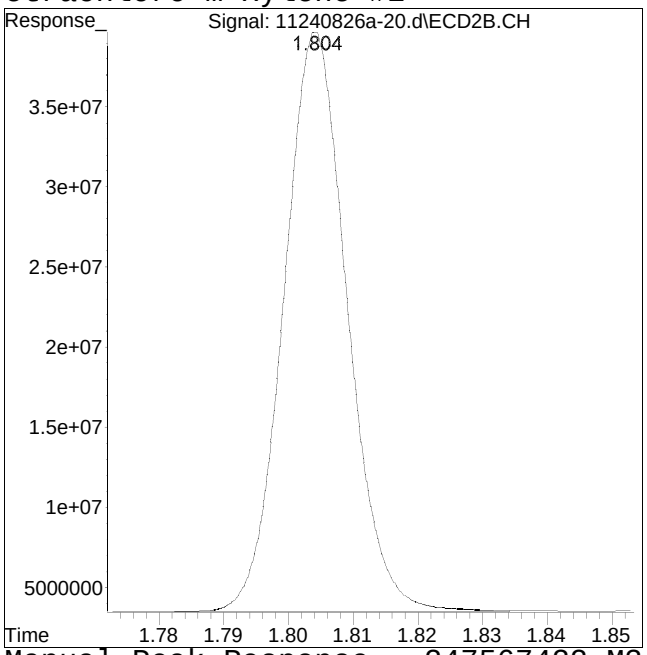
Original Peak Response = 425500818 Manual Peak Response = 380827440 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-20.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:50 Instrument : Pest 11
Sample : L2447503-01,42,, Quant Date : 8/26/2024 1:55 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



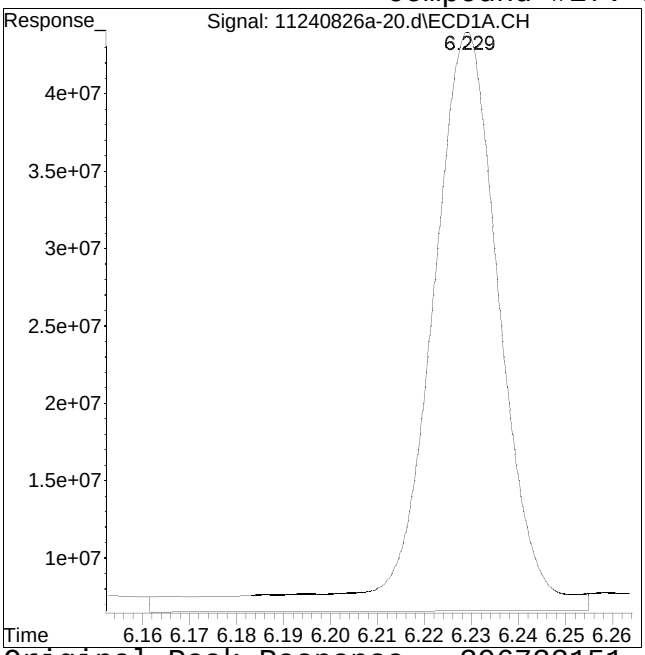


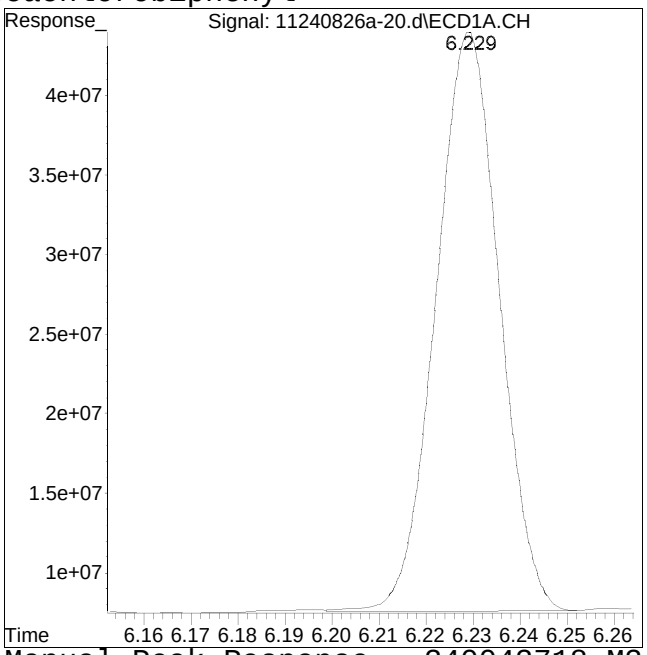
Original Peak Response = 252841843 Manual Peak Response = 247567422 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-20.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:50 Instrument : Pest 11
Sample : L2447503-01,42,, Quant Date : 8/26/2024 1:55 pm

Compound #27: Decachlorobiphenyl



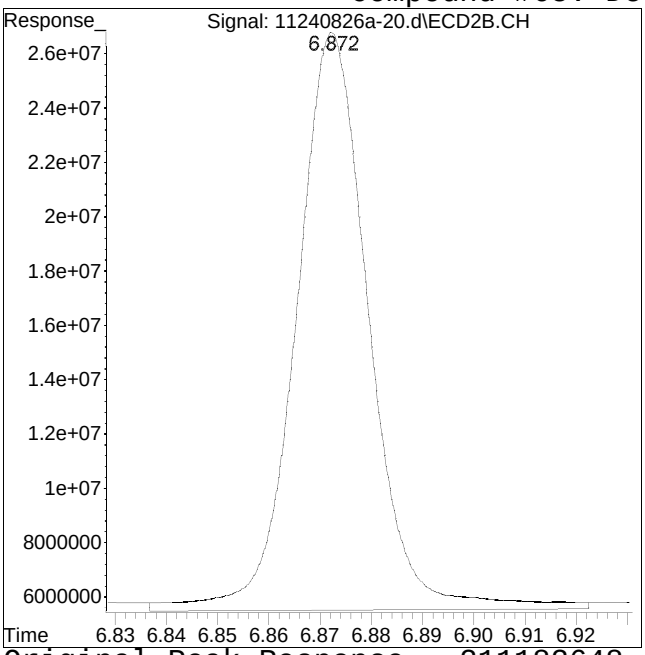


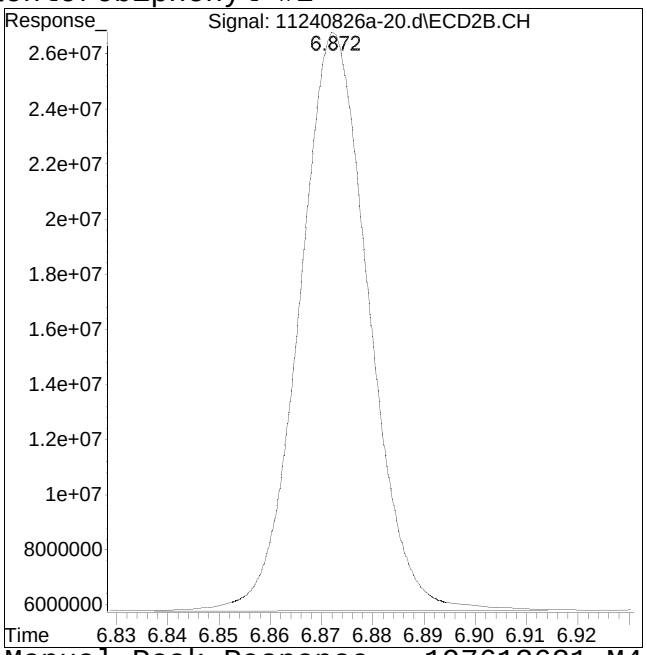
Original Peak Response = 396732151 Manual Peak Response = 340043718 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-20.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:50 Instrument : Pest 11
Sample : L2447503-01,42,, Quant Date : 8/26/2024 1:55 pm

Compound #65: Decachlorobiphenyl #2



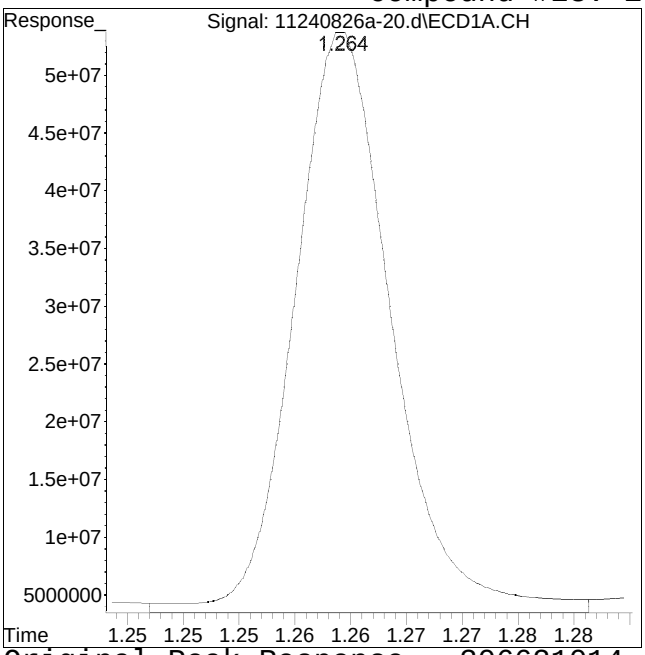


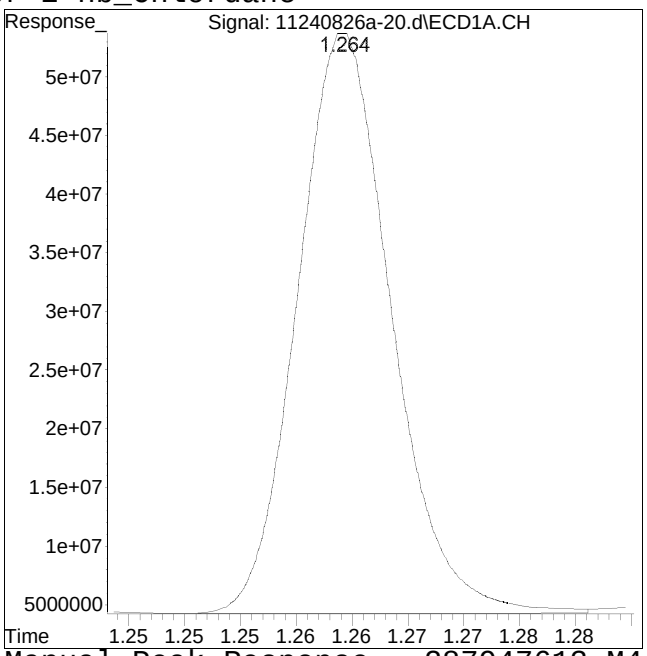
Original Peak Response = 211182648 Manual Peak Response = 197613621 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-20.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:50 Instrument : Pest 11
Sample : L2447503-01,42,, Quant Date : 8/26/2024 1:55 pm

Compound #28: 1-br-2-nb_Chlordane



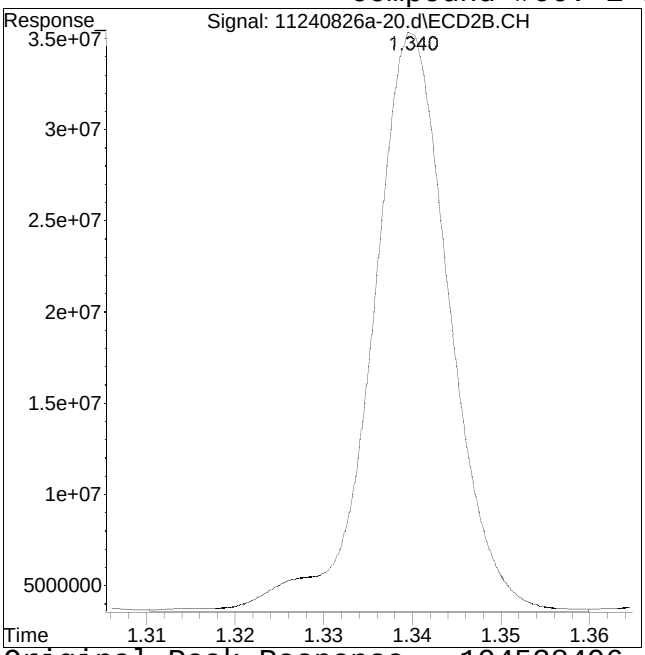


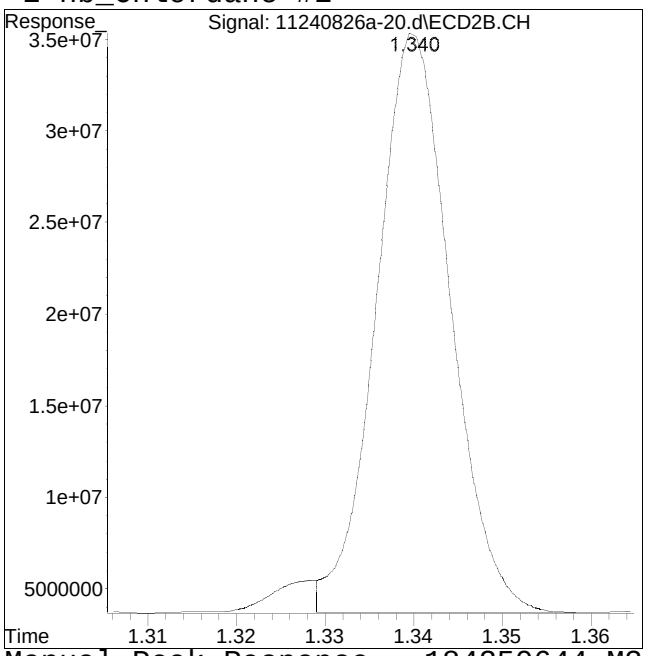
Original Peak Response = 306621014 Manual Peak Response = 287947613 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-20.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:50 Instrument : Pest 11
Sample : L2447503-01,42,, Quant Date : 8/26/2024 1:55 pm

Compound #66: 1-br-2-nb_Chlordane #2



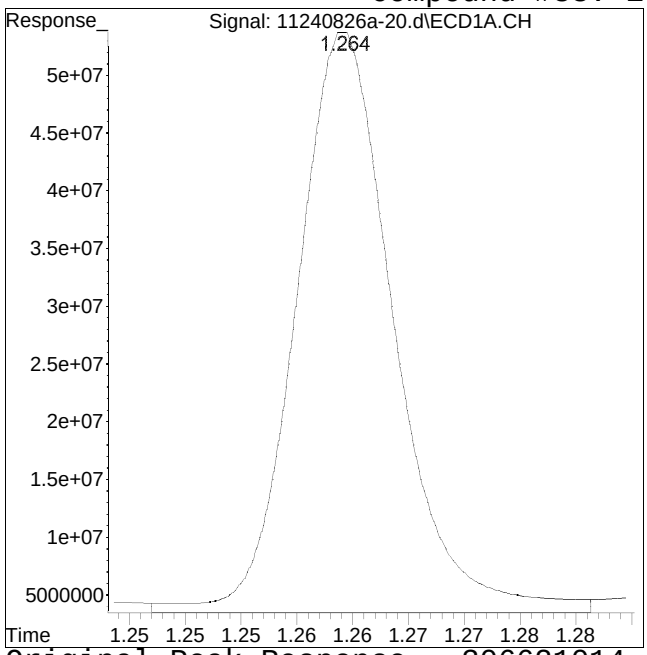


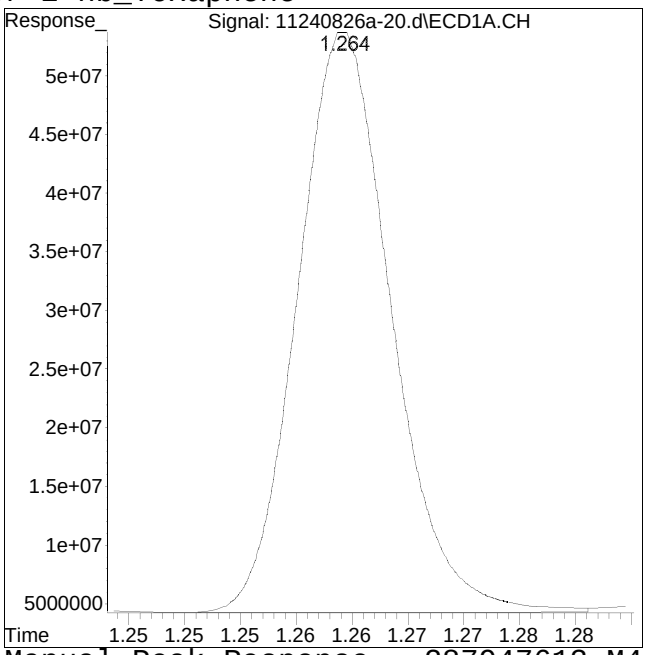
Original Peak Response = 194538496 Manual Peak Response = 184250644 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-20.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:50 Instrument : Pest 11
Sample : L2447503-01,42,, Quant Date : 8/26/2024 1:55 pm

Compound #33: 1-br-2-nb_Toxaphene



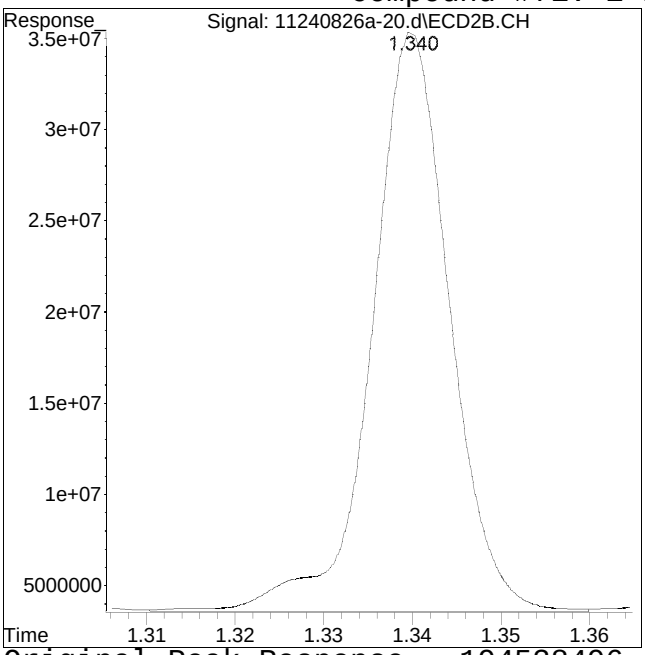


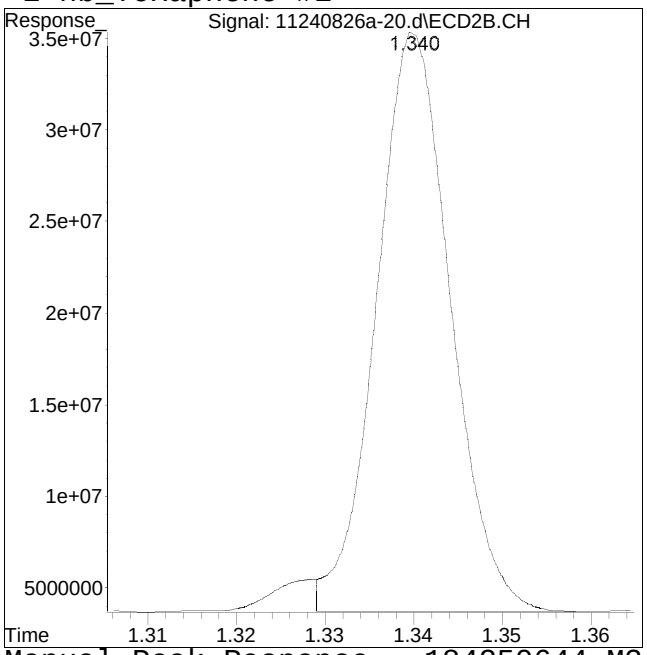
Original Peak Response = 306621014 Manual Peak Response = 287947613 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-20.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:50 Instrument : Pest 11
Sample : L2447503-01,42,, Quant Date : 8/26/2024 1:55 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 194538496 Manual Peak Response = 184250644 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:02
Operator : PEST11:ejl
Sample : L2447503-06,42,,
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:23 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.265	1.340	323.4E6	198.4E6	25.000M3	25.000M3
	Standard Area 1 : #1 = 226873788				Recovery = 142.56%		
	Standard Area 1 : #2 = 173865216				Recovery = 114.12%		
28) i	1-br-2-nb_Ch	1.265	1.340	323.4E6	198.4E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	1.265	1.340	323.4E6	198.4E6	25.000M3	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.602	1.804	483.7E6	288.1E6	35.982M4	32.590M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 71.96%		65.18%
27) s	Decachlorobi	6.229	6.871	434.1E6	235.7E6	28.855M3	28.019M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 57.71%		56.04%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:02
Operator : PEST11:ejl
Sample : L2447503-06,42,,
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:23 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

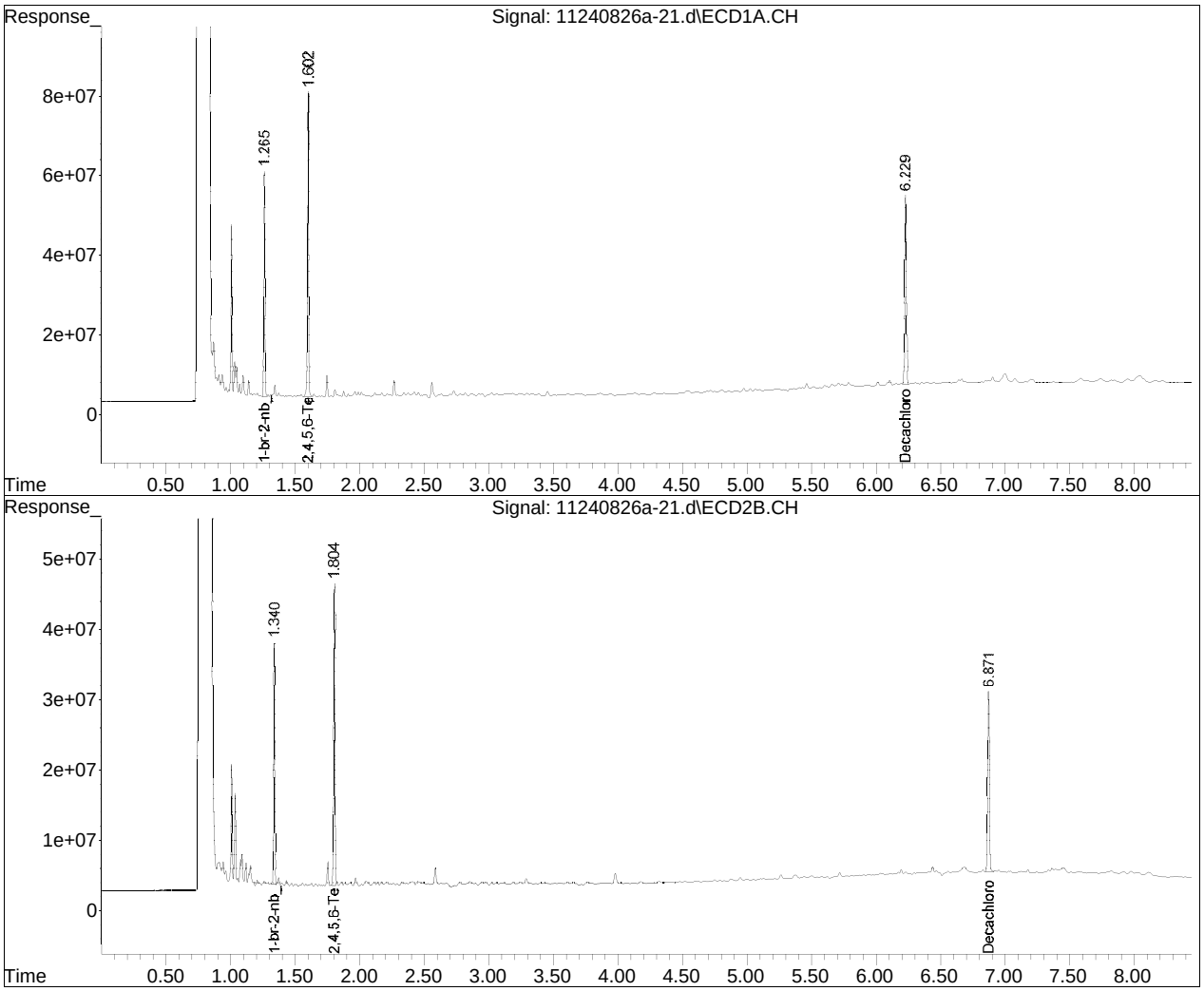
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240826a-03.d•

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:02
Operator : PEST11:ejl
Sample : L2447503-06,42,,
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:23 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

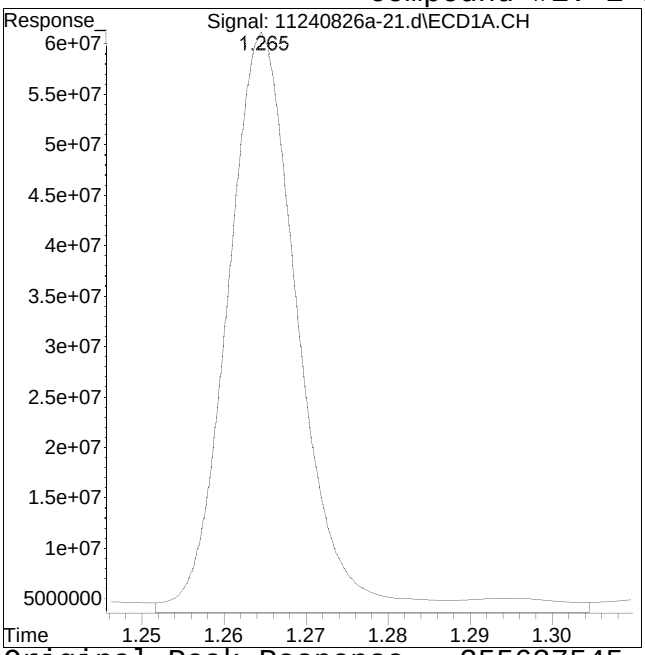
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

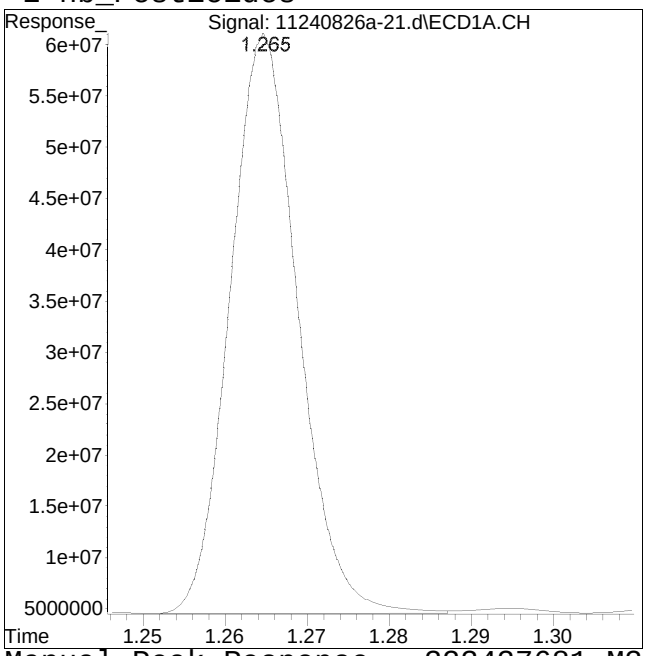


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-21.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:02 Instrument : Pest 11
Sample : L2447503-06,42,, Quant Date : 8/26/2024 1:55 pm

Compound #1: 1-br-2-nb_Pesticides



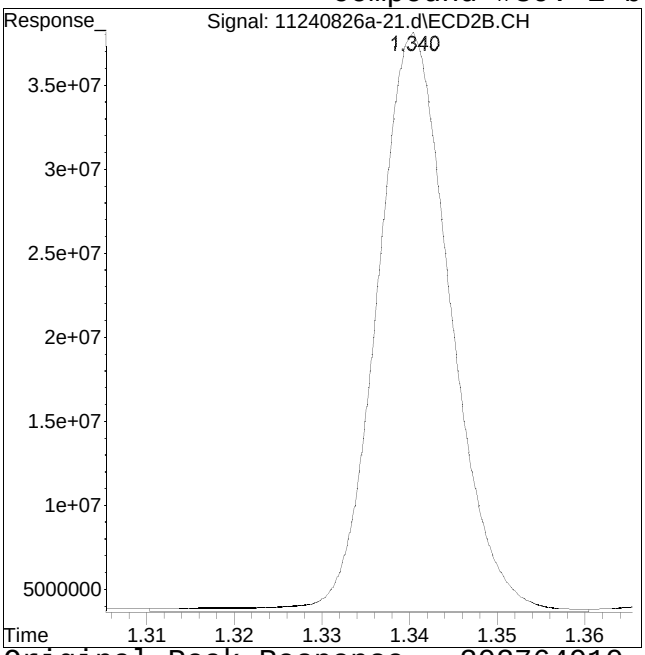


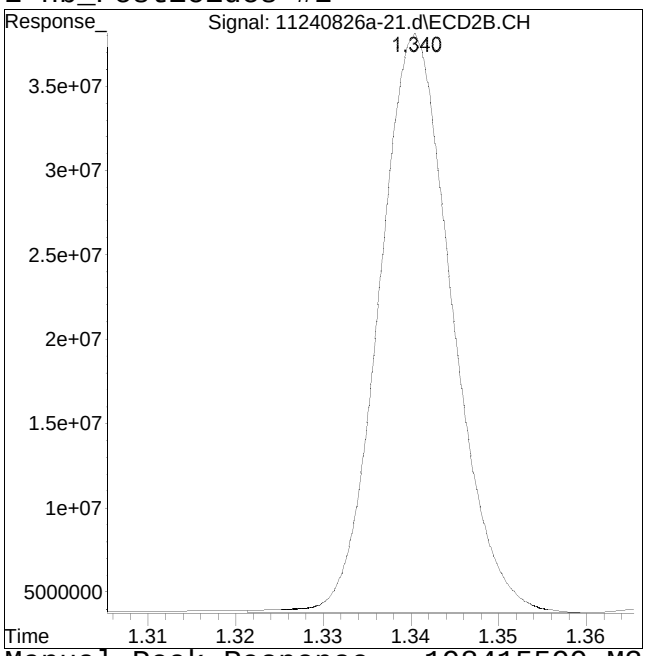
Original Peak Response = 355637545 Manual Peak Response = 323437681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-21.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:02 Instrument : Pest 11
Sample : L2447503-06,42,, Quant Date : 8/26/2024 1:55 pm

Compound #39: 1-br-2-nb_Pesticides #2



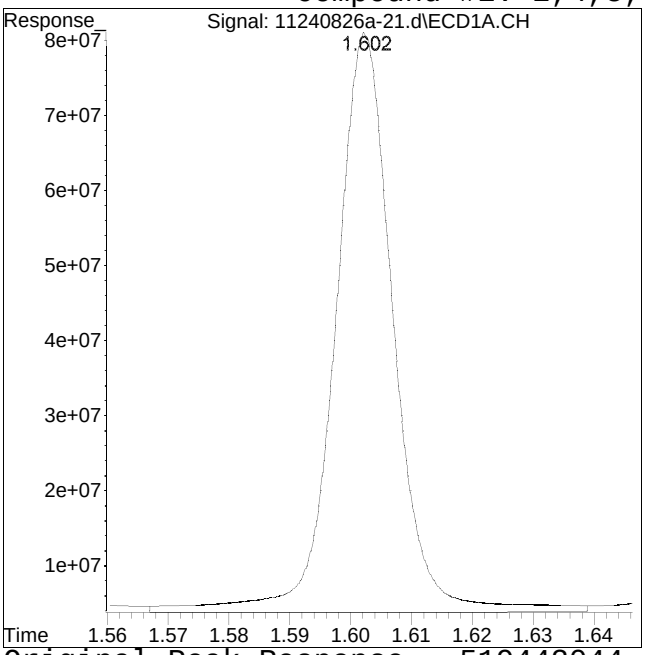


Original Peak Response = 202764910 Manual Peak Response = 198415599 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

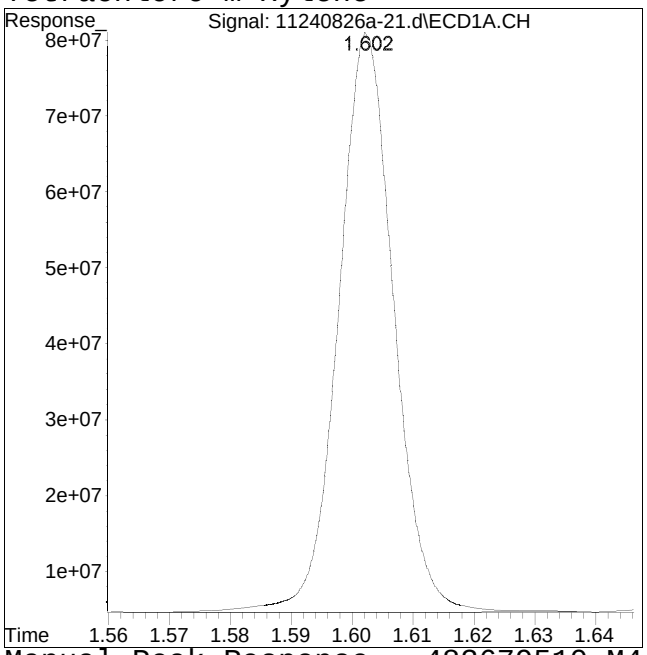
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-21.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:02 Instrument : Pest 11
Sample : L2447503-06,42,, Quant Date : 8/26/2024 1:55 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 519442044



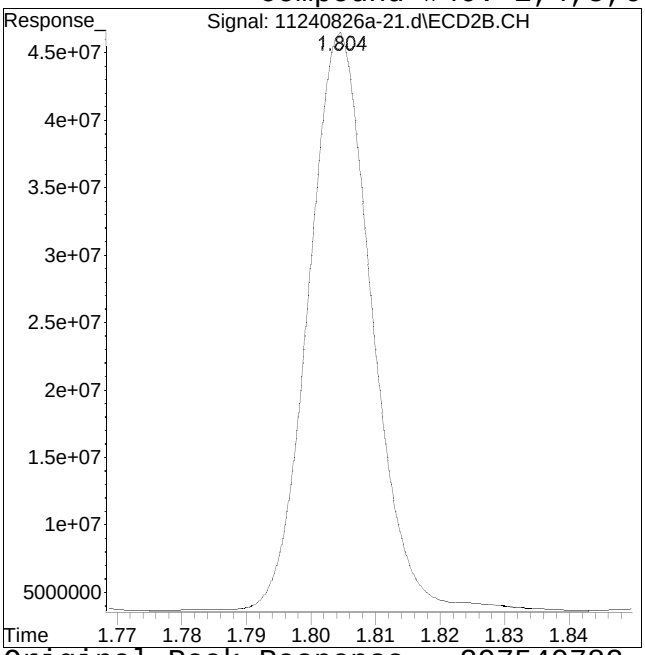
Manual Peak Response = 483679510 M4

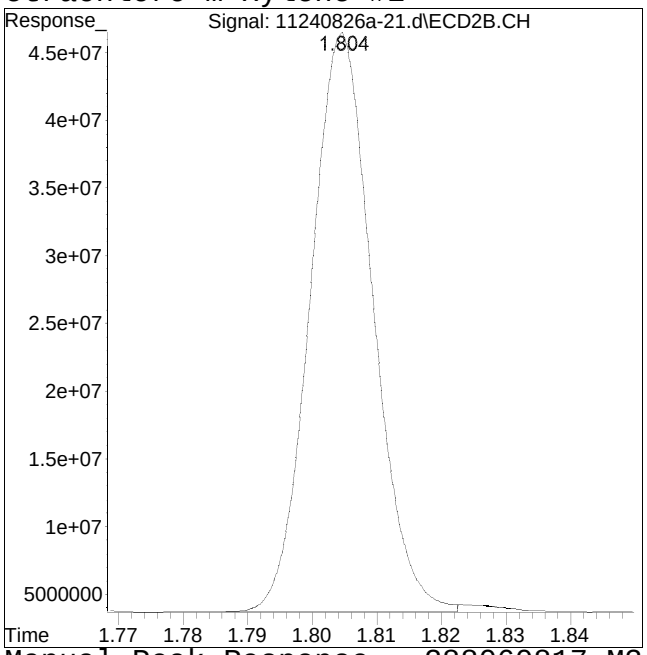
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-21.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:02 Instrument : Pest 11
Sample : L2447503-06,42,, Quant Date : 8/26/2024 1:55 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



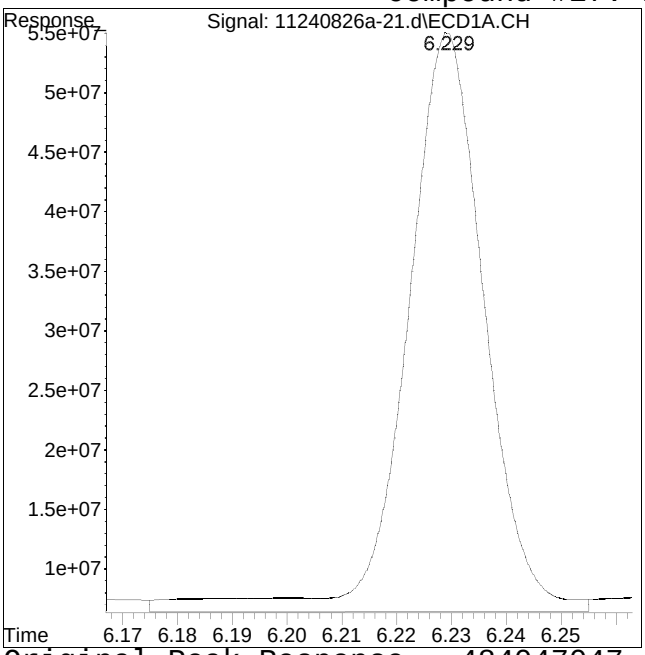


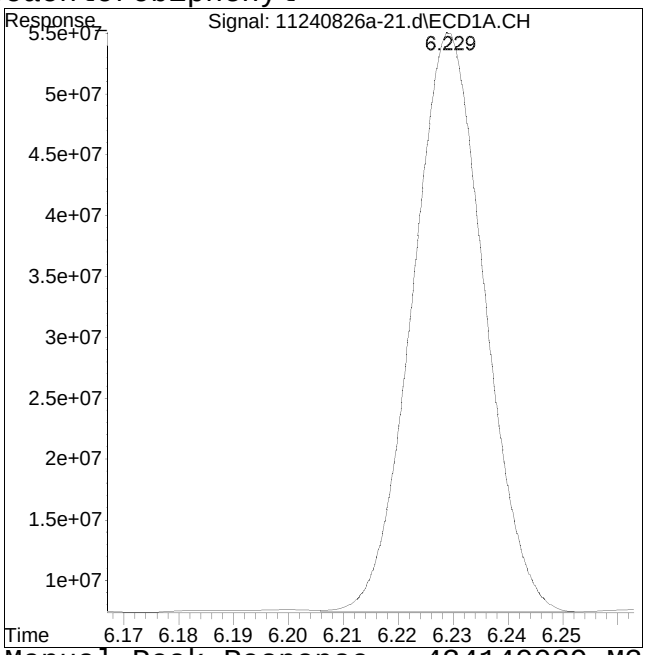
Original Peak Response = 297540782 Manual Peak Response = 288060817 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-21.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:02 Instrument : Pest 11
Sample : L2447503-06,42,, Quant Date : 8/26/2024 1:55 pm

Compound #27: Decachlorobiphenyl



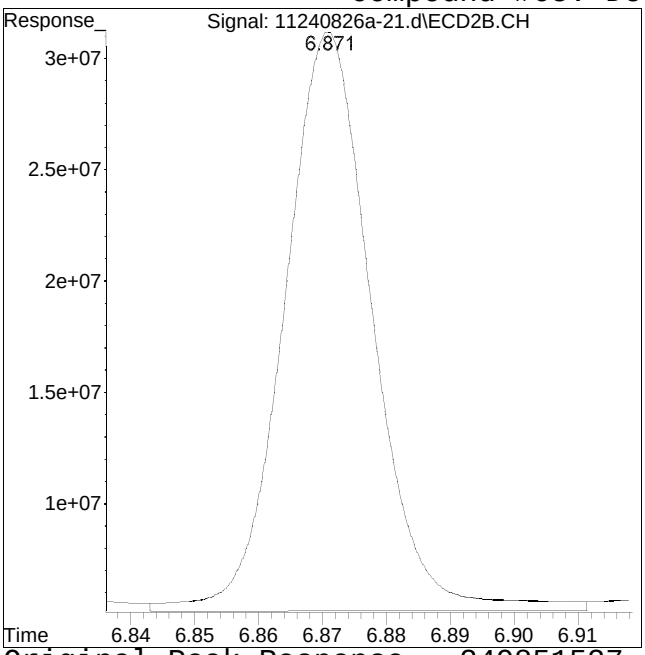


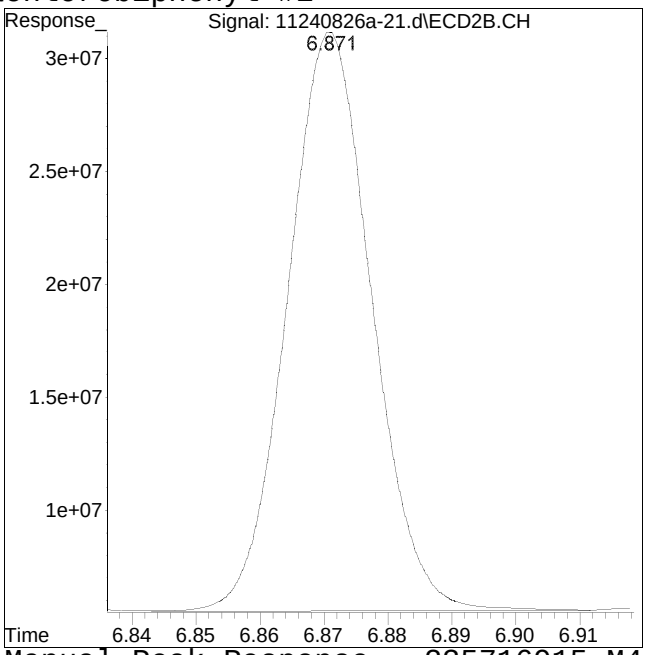
Original Peak Response = 484047047 Manual Peak Response = 434140039 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-21.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:02 Instrument : Pest 11
Sample : L2447503-06,42,, Quant Date : 8/26/2024 1:55 pm

Compound #65: Decachlorobiphenyl #2



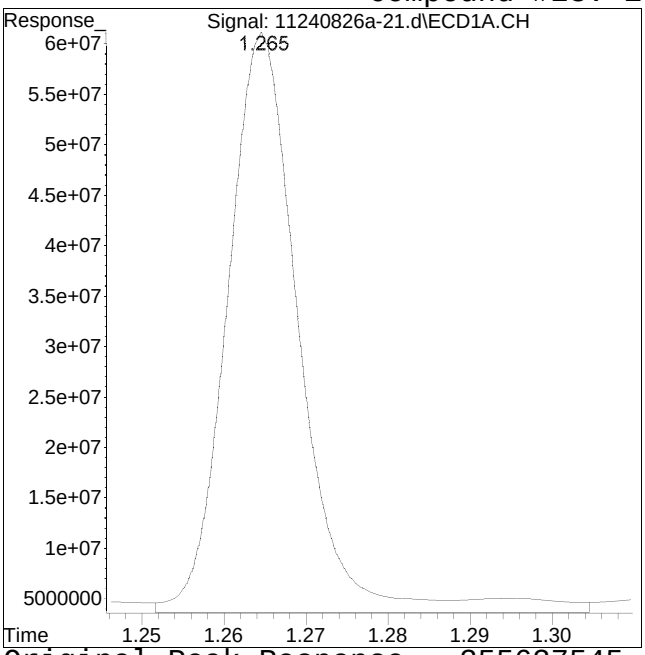


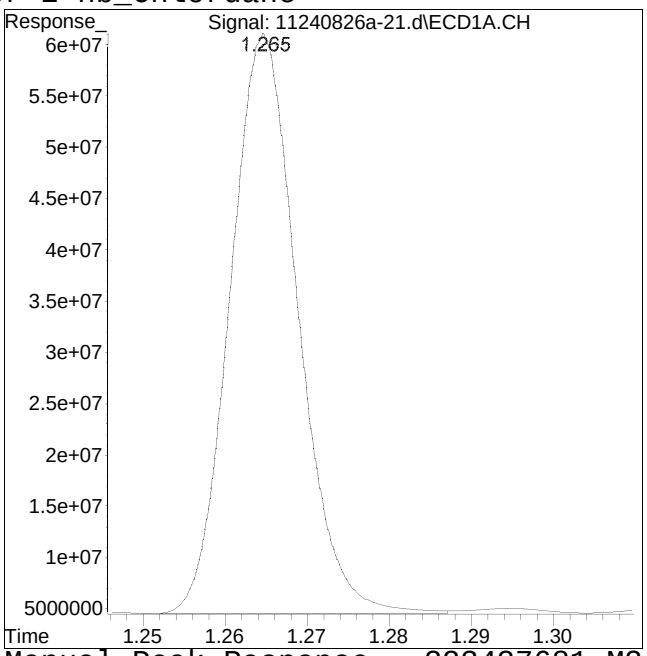
Original Peak Response = 249851527 Manual Peak Response = 235716915 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-21.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:02 Instrument : Pest 11
Sample : L2447503-06,42,, Quant Date : 8/26/2024 1:55 pm

Compound #28: 1-br-2-nb_Chlordane



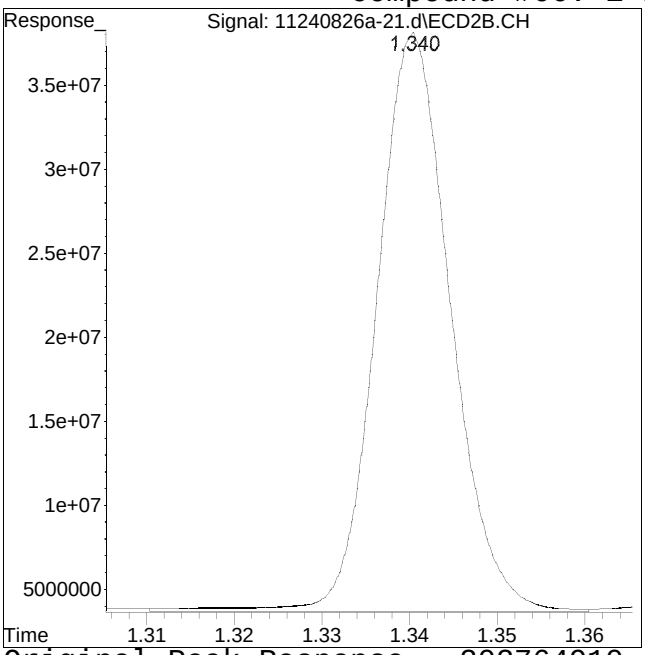


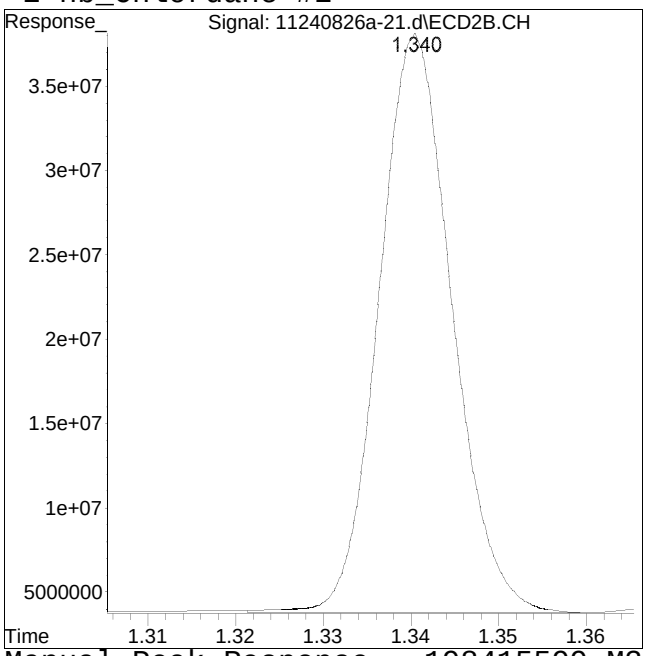
Original Peak Response = 355637545 Manual Peak Response = 323437681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-21.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:02 Instrument : Pest 11
Sample : L2447503-06,42,, Quant Date : 8/26/2024 1:55 pm

Compound #66: 1-br-2-nb_Chlordane #2



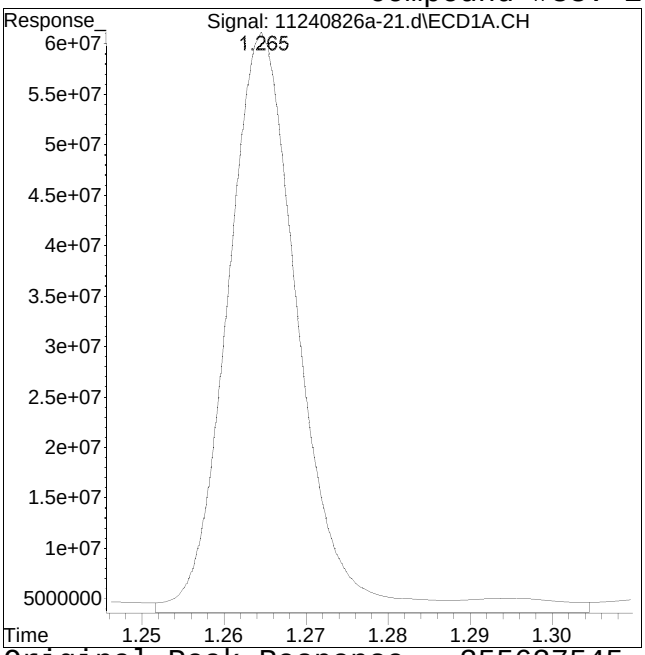


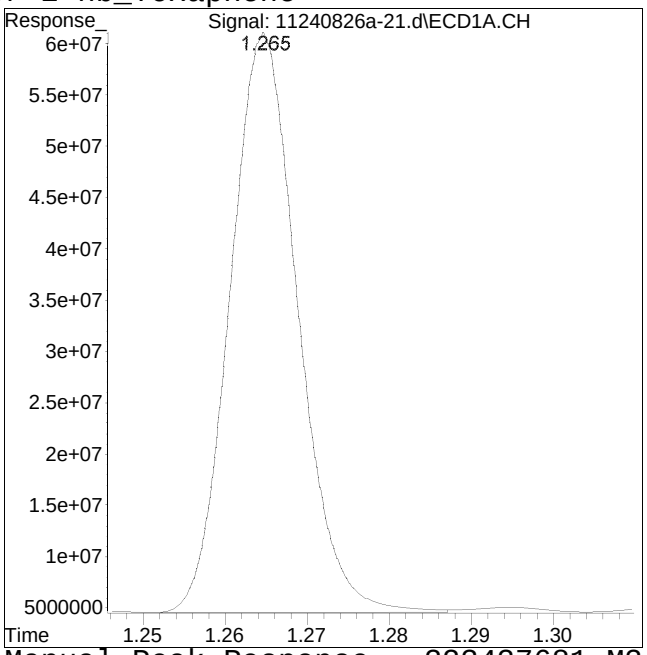
Original Peak Response = 202764910 Manual Peak Response = 198415599 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-21.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:02 Instrument : Pest 11
Sample : L2447503-06,42,, Quant Date : 8/26/2024 1:55 pm

Compound #33: 1-br-2-nb_Toxaphene



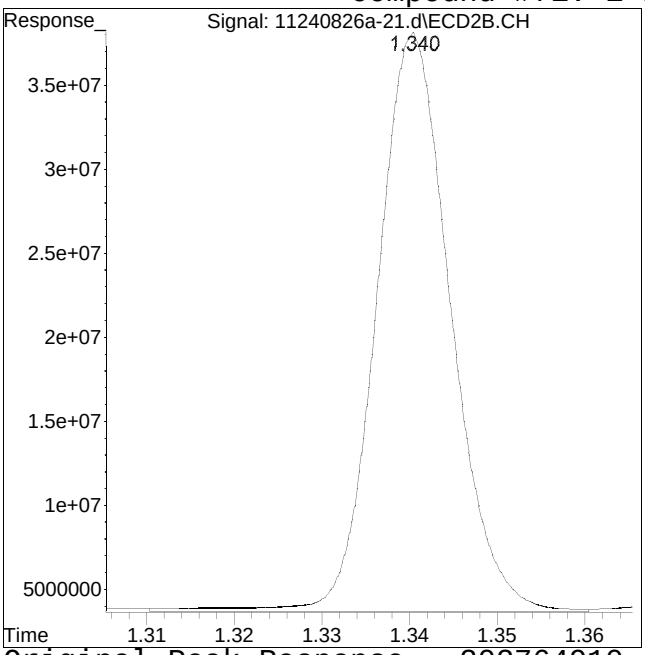


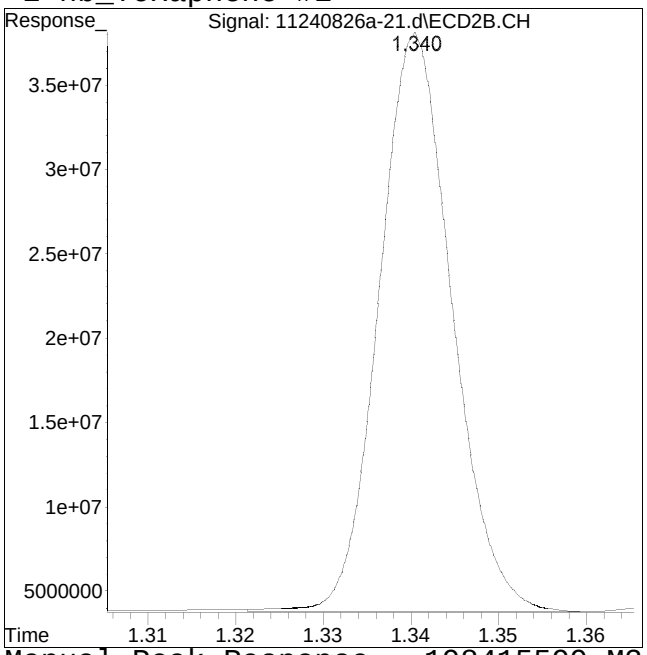
Original Peak Response = 355637545 Manual Peak Response = 323437681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-21.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:02 Instrument : Pest 11
Sample : L2447503-06,42,, Quant Date : 8/26/2024 1:55 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 202764910 Manual Peak Response = 198415599 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:14
Operator : PEST11:ejl
Sample : L2447503-07,42,, p
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:26 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.265	1.340	303.4E6	186.5E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 226873788				Recovery = 133.71%		
	Standard Area 1 : #2 = 173865216				Recovery = 107.29%		
28) i	1-br-2-nb_Ch	1.265	1.340	303.4E6	186.5E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	1.265	1.340	303.4E6	186.5E6	25.000M3	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.602	1.804	452.6E6	263.2E6	35.896M3	31.668M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 71.79%		63.34%
27) s	Decachlorobi	6.229	6.870	442.9E6	237.5E6	31.386M3	30.024M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 62.77%		60.05%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:14
Operator : PEST11:ejl
Sample : L2447503-07,42,, p
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:26 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

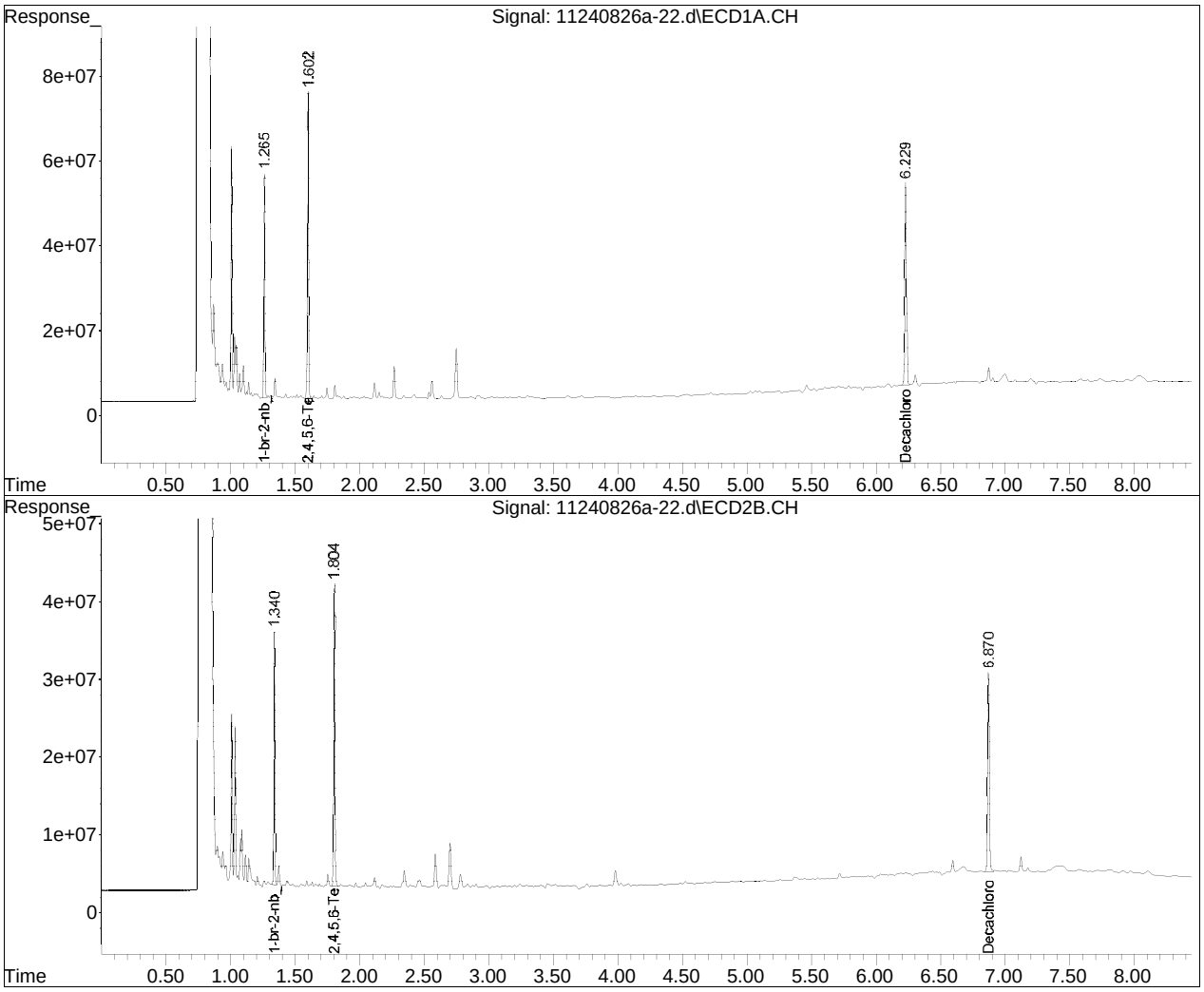
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240826a-03.d•

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:14
Operator : PEST11:ejl
Sample : L2447503-07,42,, p
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:26 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

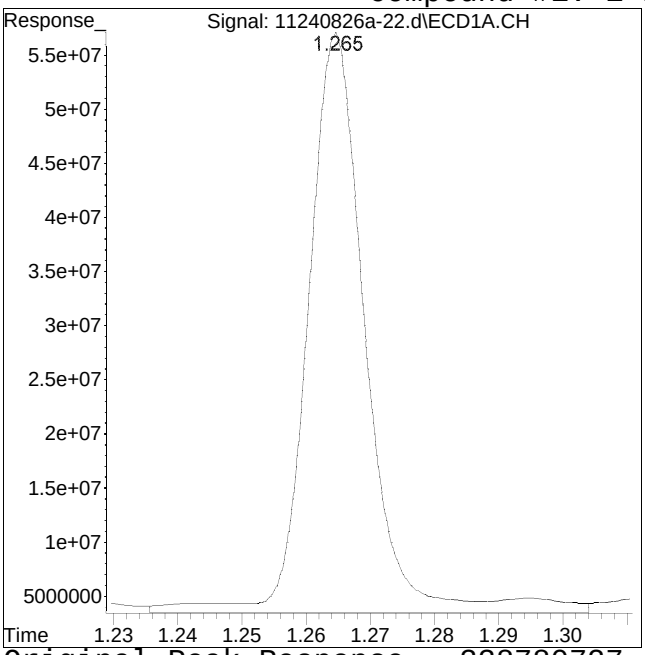
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

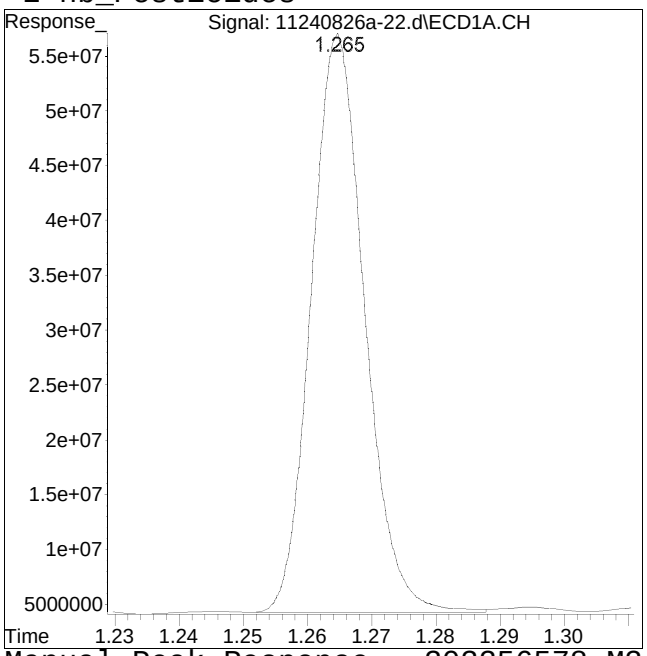


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-22.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:14 Instrument : Pest 11
Sample : L2447503-07,42,, p Quant Date : 8/26/2024 1:55 pm

Compound #1: 1-br-2-nb_Pesticides



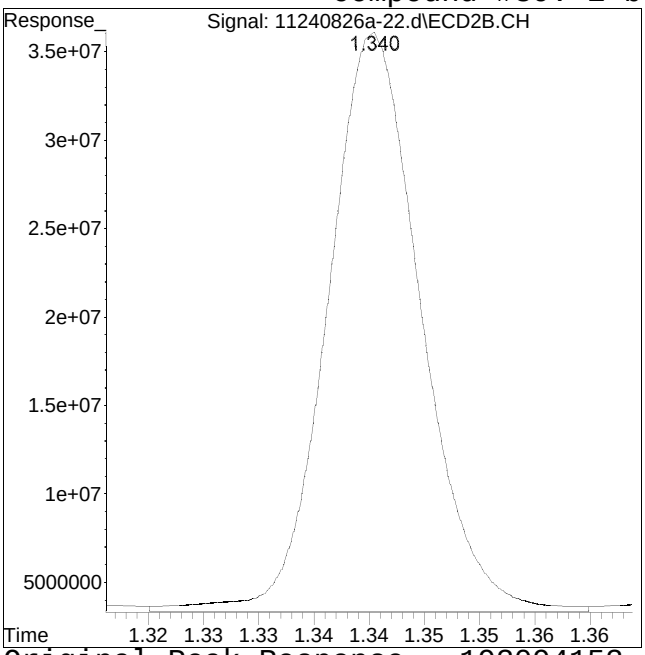


Original Peak Response = 338780727 Manual Peak Response = 303356578 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

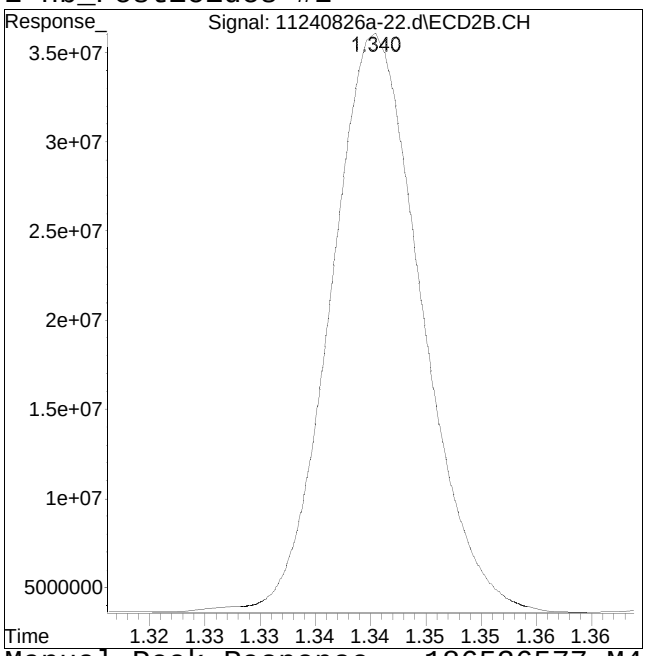
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-22.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:14 Instrument : Pest 11
Sample : L2447503-07,42,, p Quant Date : 8/26/2024 1:55 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 193094153



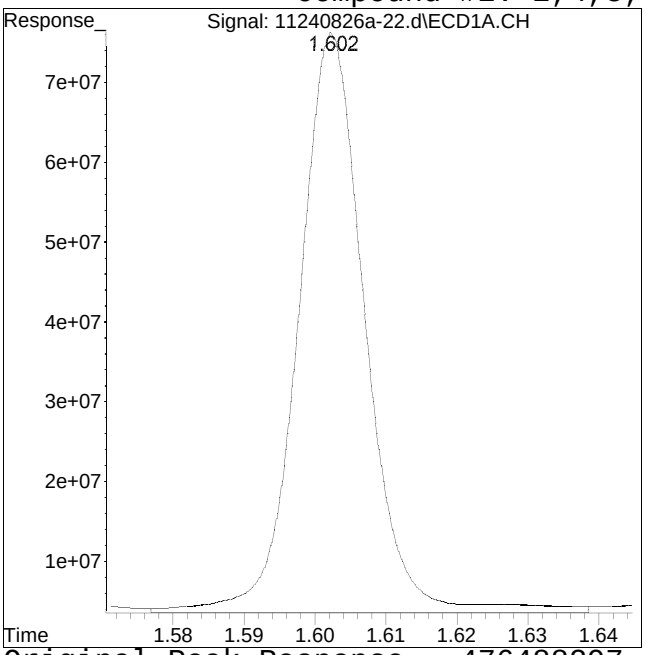
Manual Peak Response = 186536577 M4

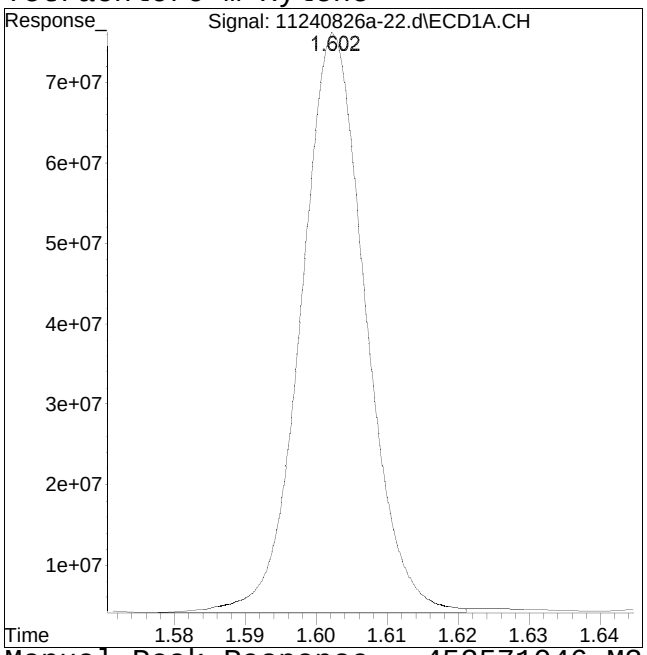
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-22.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:14 Instrument : Pest 11
Sample : L2447503-07,42,, p Quant Date : 8/26/2024 1:55 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



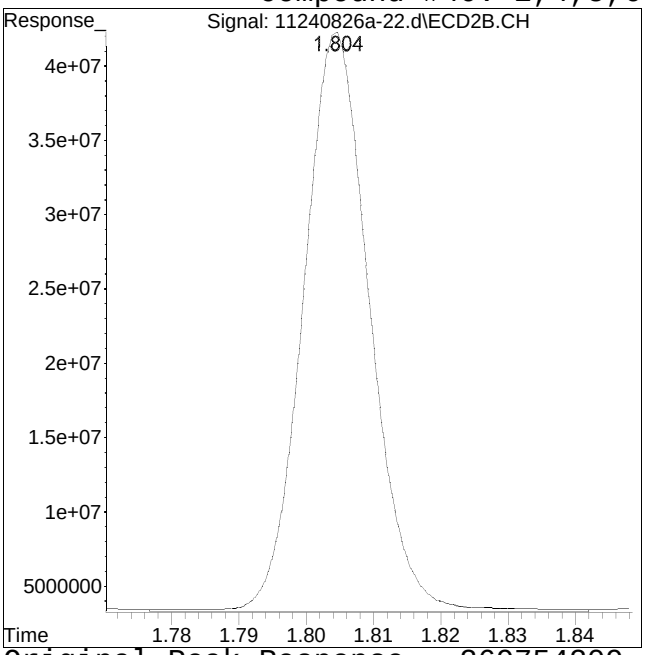


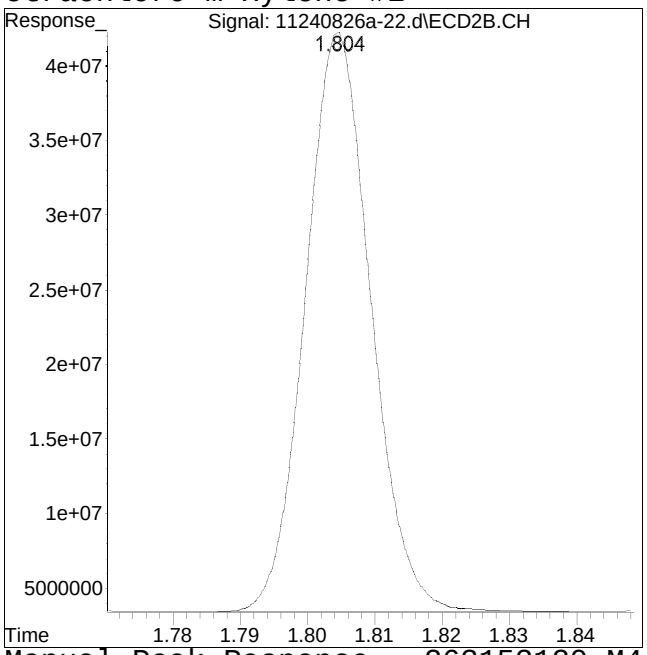
Original Peak Response = 476488297 Manual Peak Response = 452571046 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-22.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:14 Instrument : Pest 11
Sample : L2447503-07,42,, p Quant Date : 8/26/2024 1:55 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



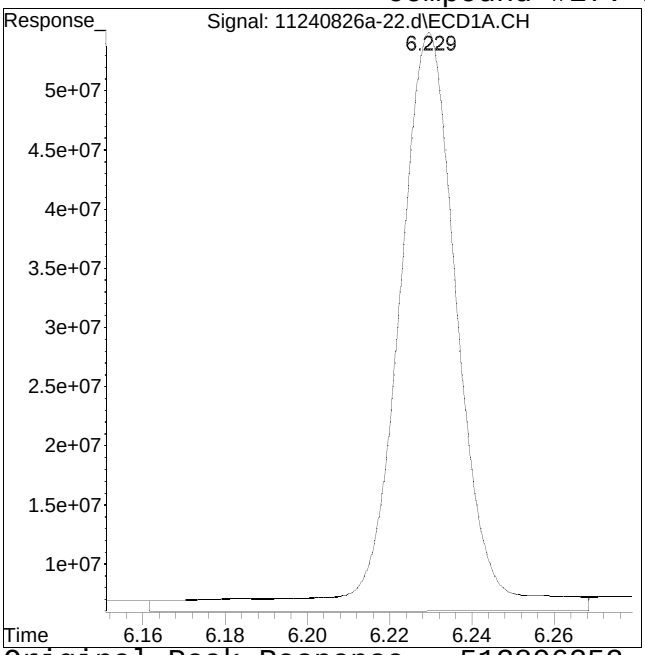


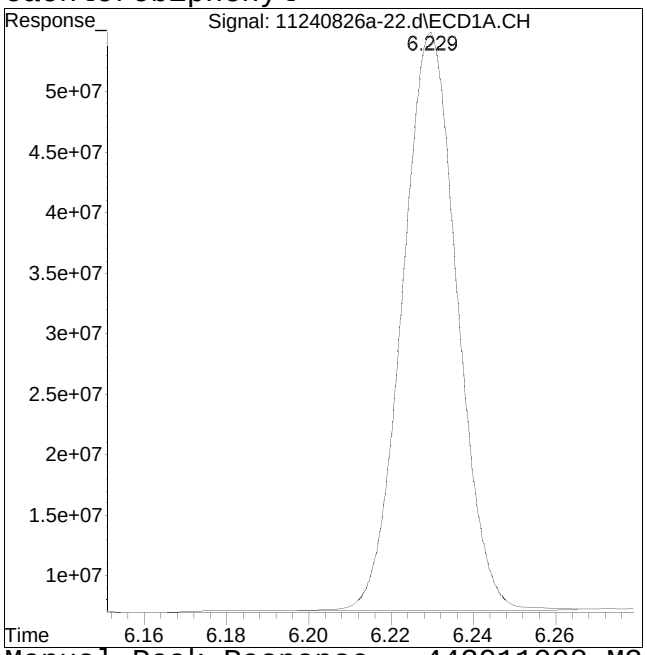
Original Peak Response = 269754209 Manual Peak Response = 263153120 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-22.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:14 Instrument : Pest 11
Sample : L2447503-07,42,, p Quant Date : 8/26/2024 1:55 pm

Compound #27: Decachlorobiphenyl



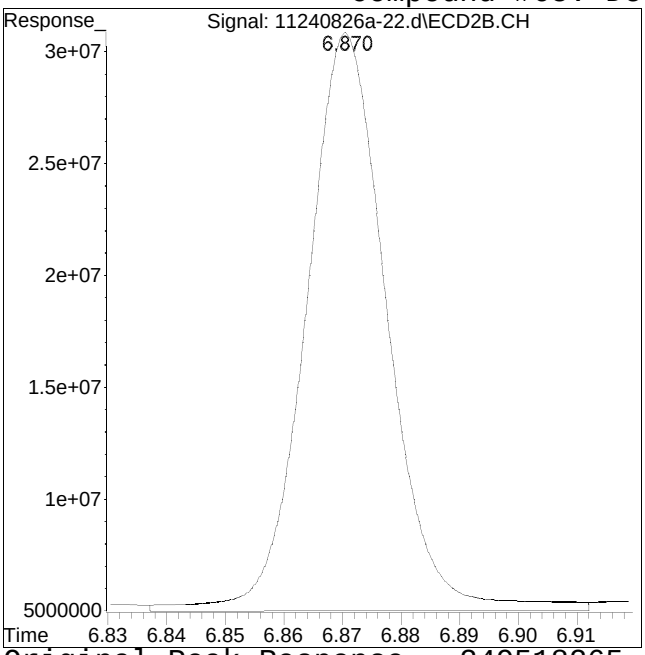


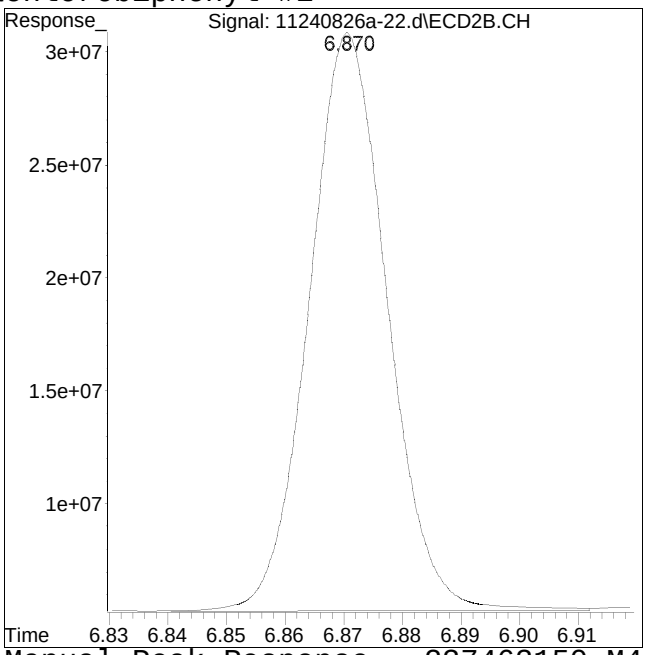
Original Peak Response = 513806352 Manual Peak Response = 442911098 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-22.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:14 Instrument : Pest 11
Sample : L2447503-07,42,, p Quant Date : 8/26/2024 1:55 pm

Compound #65: Decachlorobiphenyl #2



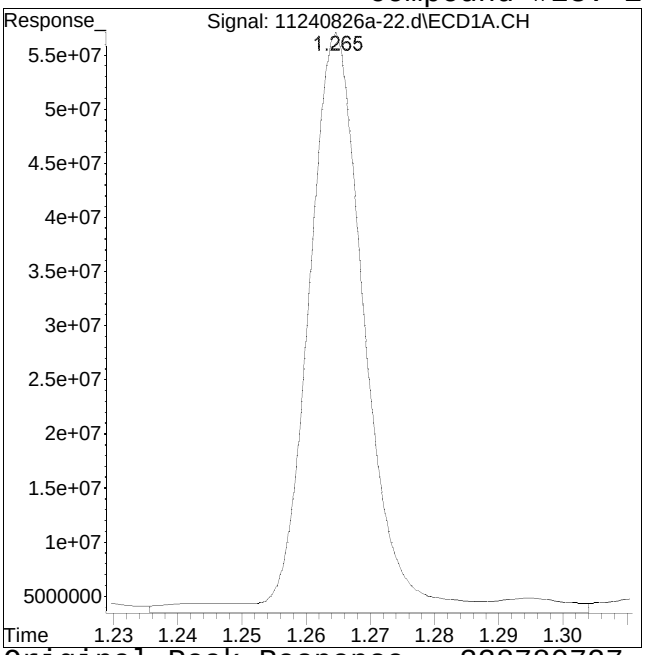


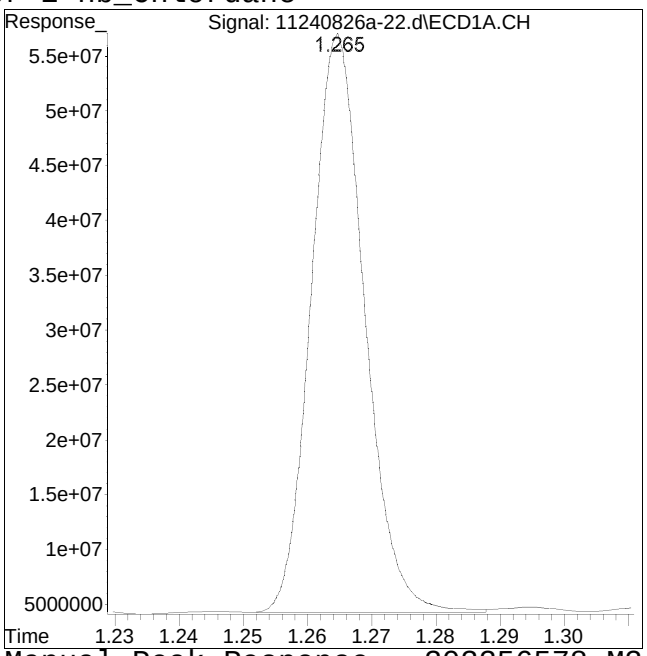
Original Peak Response = 249518265 Manual Peak Response = 237463150 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-22.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:14 Instrument : Pest 11
Sample : L2447503-07,42,, p Quant Date : 8/26/2024 1:55 pm

Compound #28: 1-br-2-nb_Chlordane



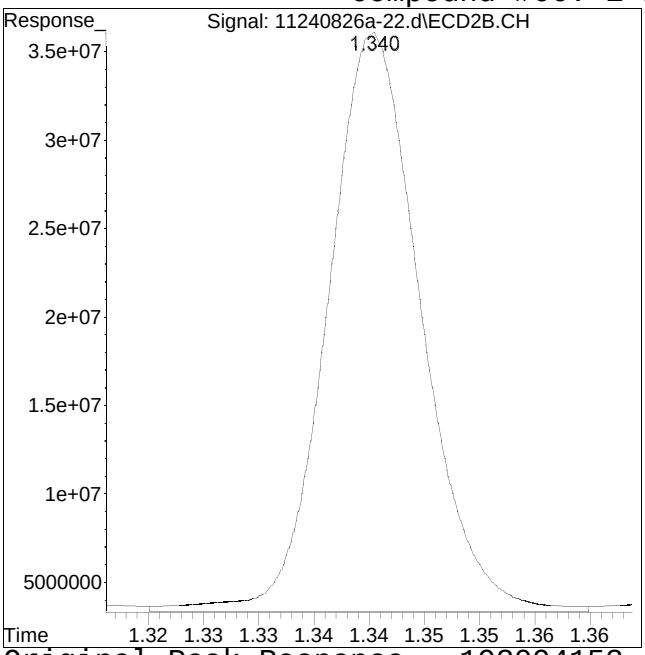


Original Peak Response = 338780727 Manual Peak Response = 303356578 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

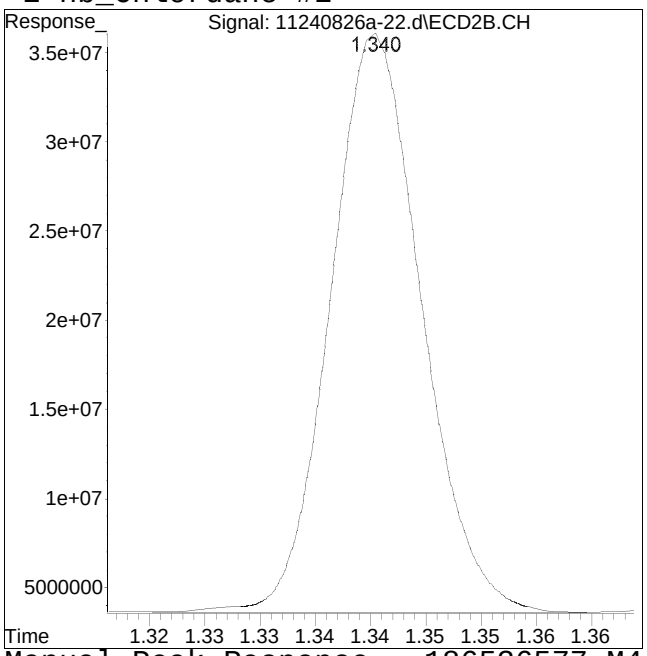
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-22.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:14 Instrument : Pest 11
Sample : L2447503-07,42,, p Quant Date : 8/26/2024 1:55 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 193094153



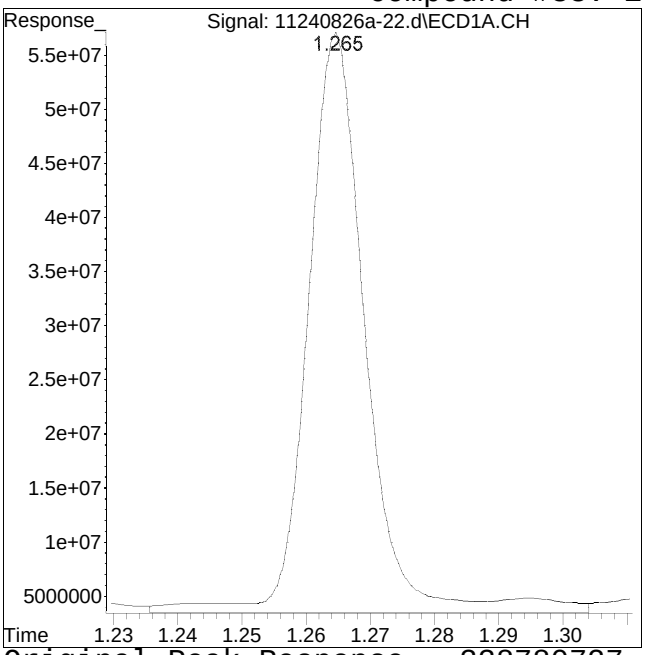
Manual Peak Response = 186536577 M4

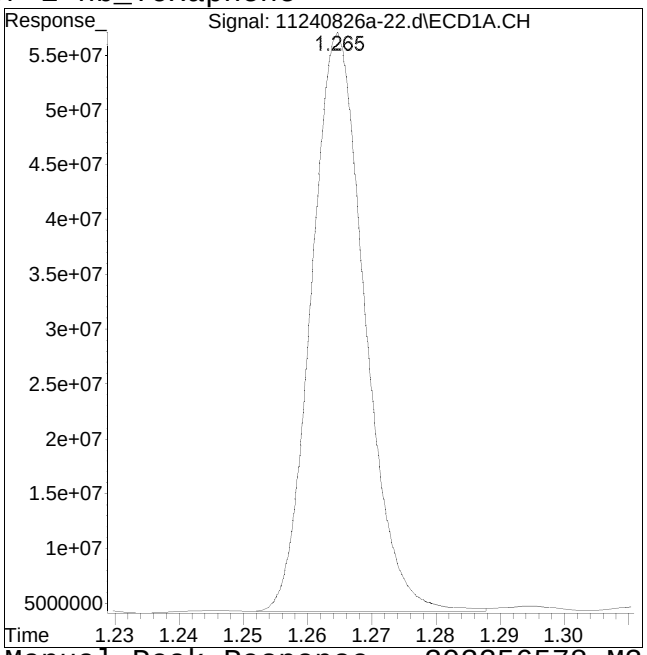
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-22.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:14 Instrument : Pest 11
Sample : L2447503-07,42,, p Quant Date : 8/26/2024 1:55 pm

Compound #33: 1-br-2-nb_Toxaphene



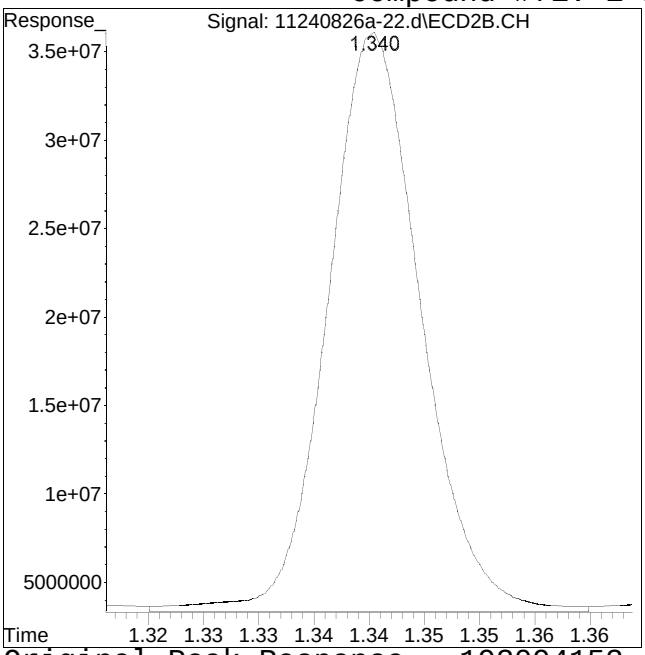


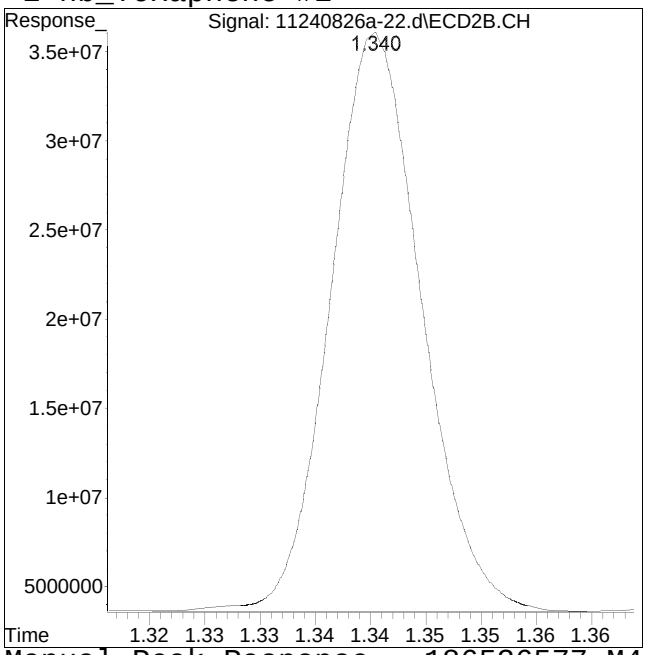
Original Peak Response = 338780727 Manual Peak Response = 303356578 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-22.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:14 Instrument : Pest 11
Sample : L2447503-07,42,, p Quant Date : 8/26/2024 1:55 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 193094153 Manual Peak Response = 186536577 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-31.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 17:21
Operator : PEST18:ejl
Sample : L2447503-11,42,,
Misc : wg1963730,WG1963569,ical21398
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 22:37:53 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Mon Aug 26 22:36:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest18\2024\240826A\18240826a-29.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.667	1.768	759.4E6	439.7E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 698830600				Recovery = 108.67%		
	Standard Area 1 : #2 = 385979125				Recovery = 113.93%		
28) i	1-br-2-nb_Ch	1.667	1.768	759.4E6	439.7E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.667	1.768	759.4E6	439.7E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	2.099	2.319	1319.4E6	758.6E6	35.611M4	36.579M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 71.22%		73.16%
27) s	Decachlorobi	6.899	7.533	1003.4E6	512.3E6	27.582M4	30.570M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 55.16%		61.14%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-31.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 17:21
Operator : PEST18:ejl
Sample : L2447503-11,42,,
Misc : wg1963730,WG1963569,ical21398
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 22:37:53 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Mon Aug 26 22:36:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest18\2024\240826A\18240826a-29.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D.
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

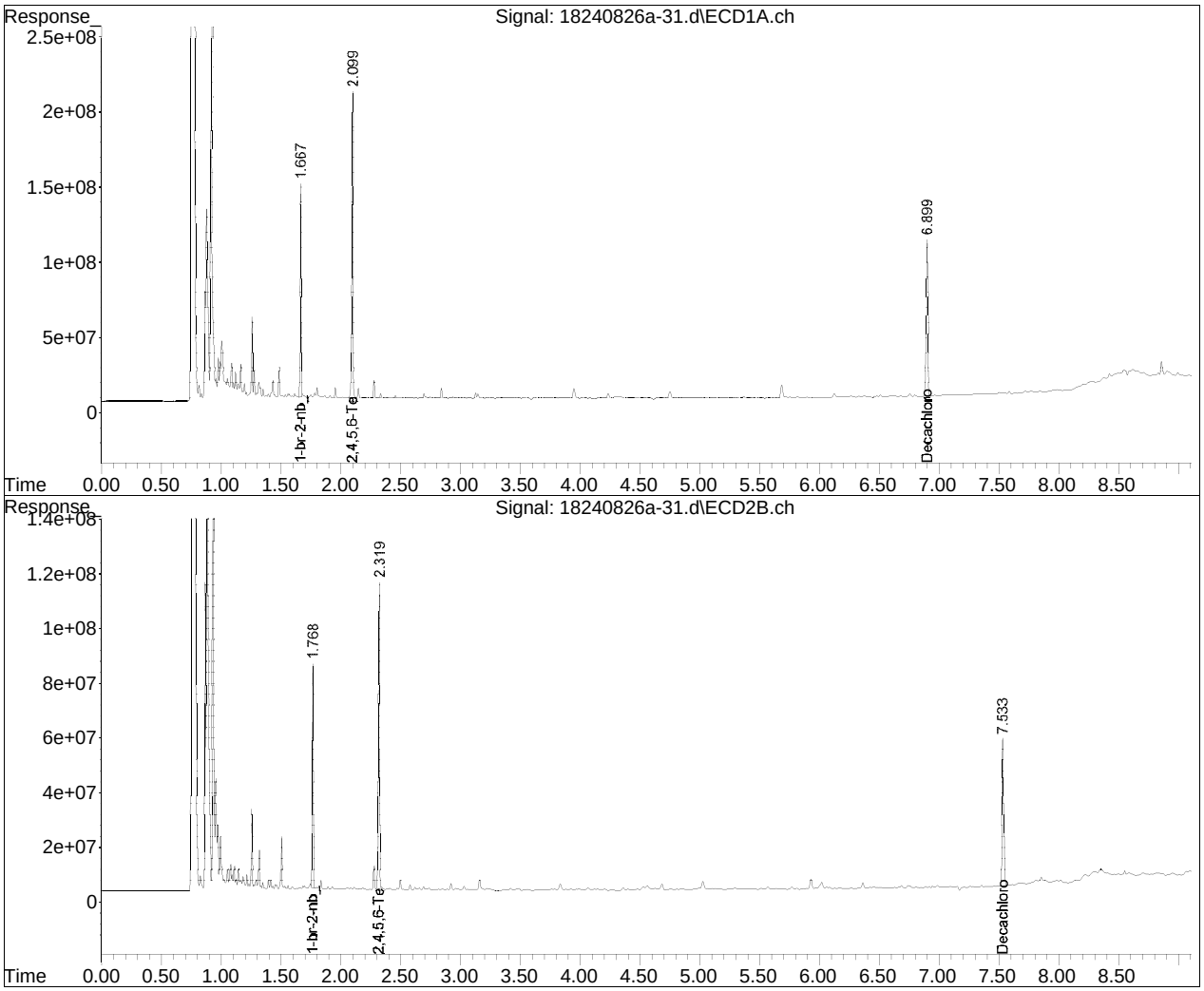
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\18240826a-29.d•

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-31.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 17:21
Operator : PEST18:ejl
Sample : L2447503-11,42,,
Misc : wg1963730,WG1963569,ical21398
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 22:37:53 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Mon Aug 26 22:36:11 2024
Response via : Initial Calibration
Integrator: ChemStation

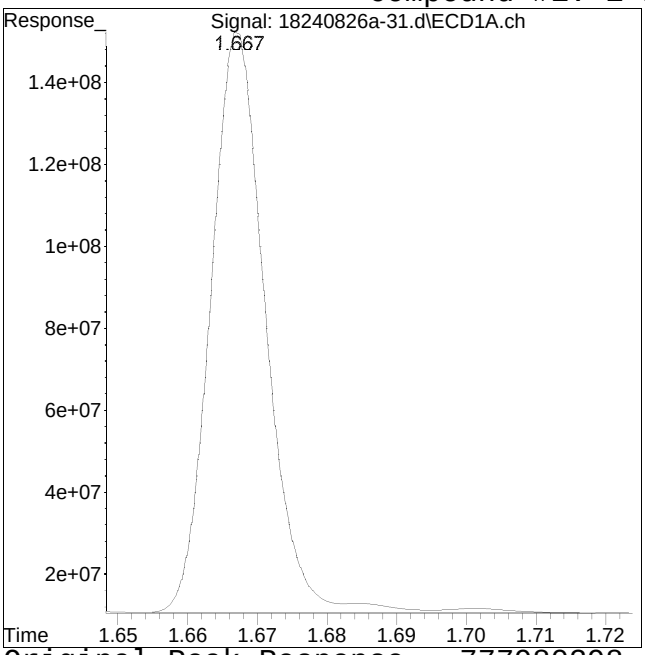
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



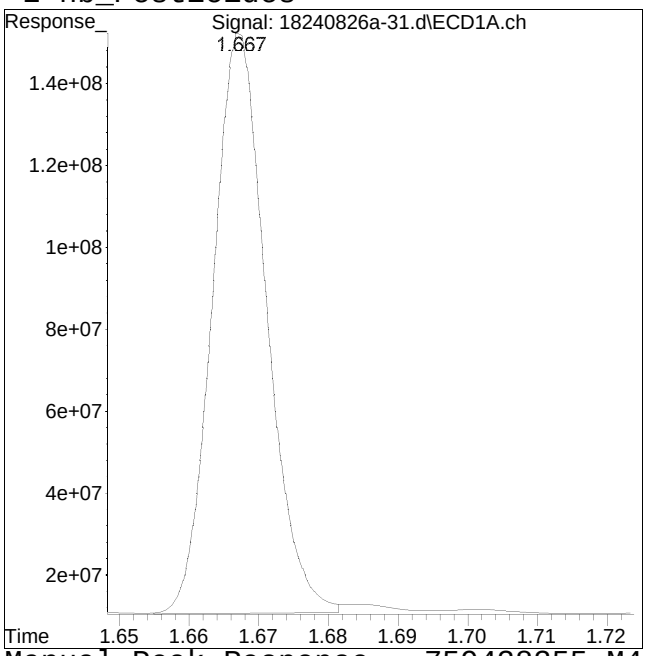
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-31.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 17:21 Instrument : Pest 18
Sample : L2447503-11,42,, Quant Date : 8/26/2024 10:37 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 777980398



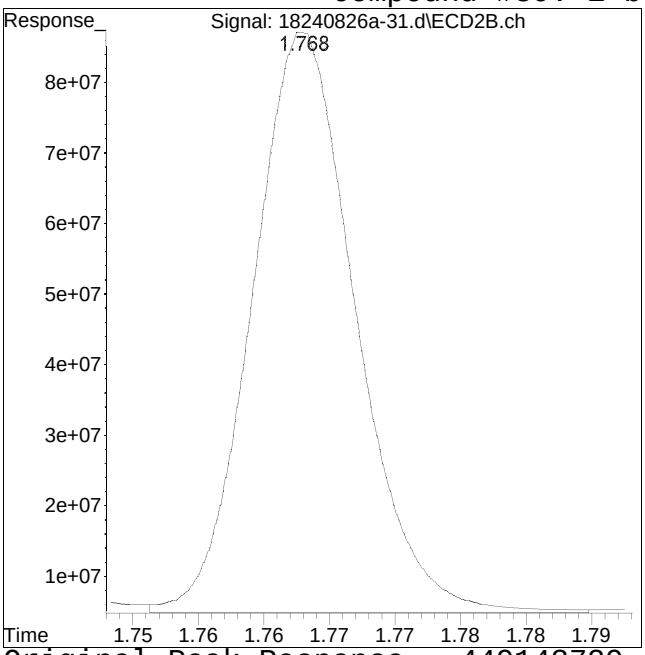
Manual Peak Response = 759438355 M4

M4 = Poor automated baseline construction.

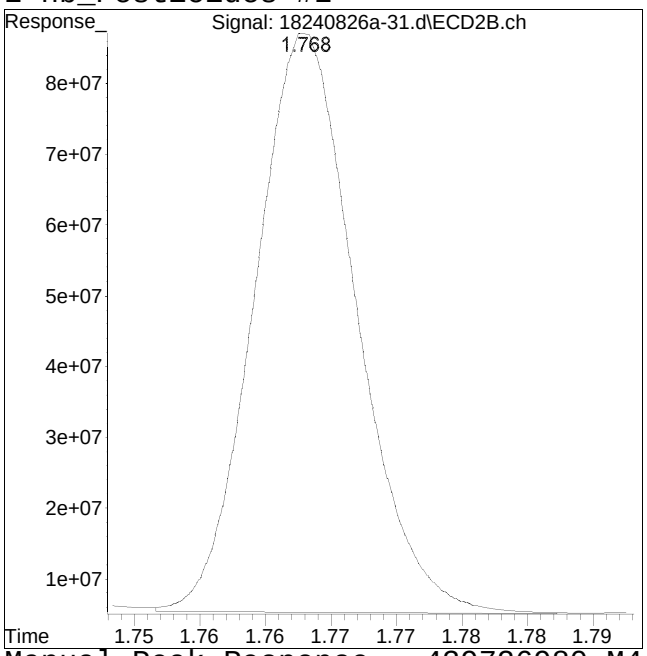
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-31.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 17:21 Instrument : Pest 18
Sample : L2447503-11,42,, Quant Date : 8/26/2024 10:37 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 449143729



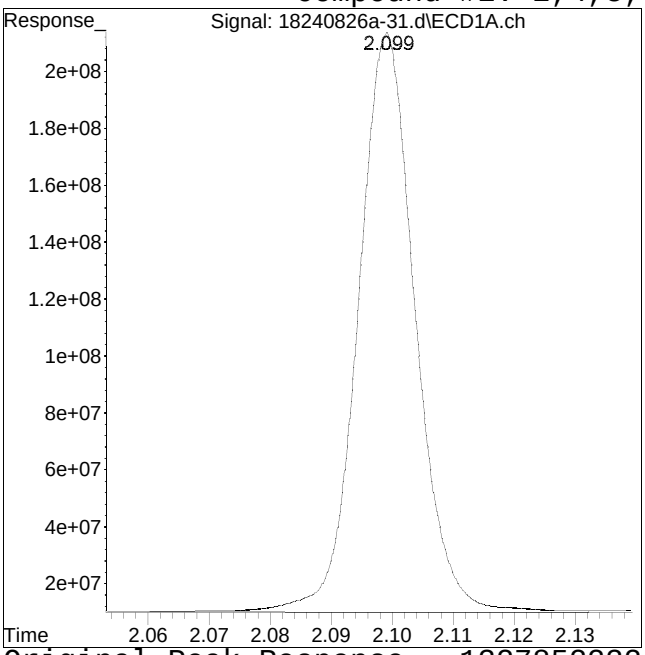
Manual Peak Response = 439726980 M4

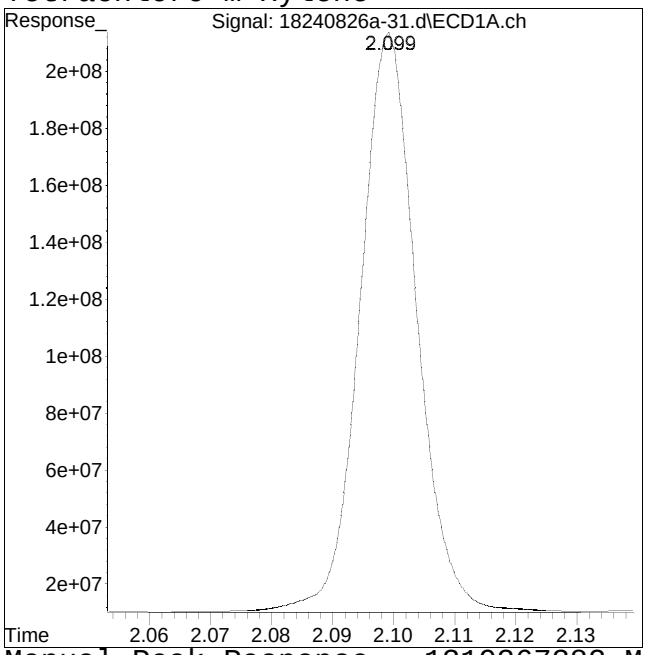
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-31.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 17:21 Instrument : Pest 18
Sample : L2447503-11,42,, Quant Date : 8/26/2024 10:37 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



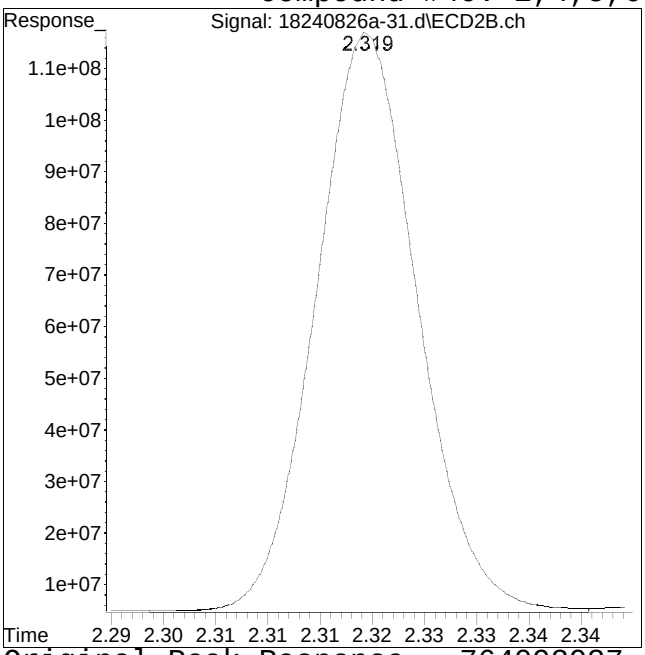


Original Peak Response = 1327852232 Manual Peak Response = 1319367382 M4
M4 = Poor automated baseline construction.

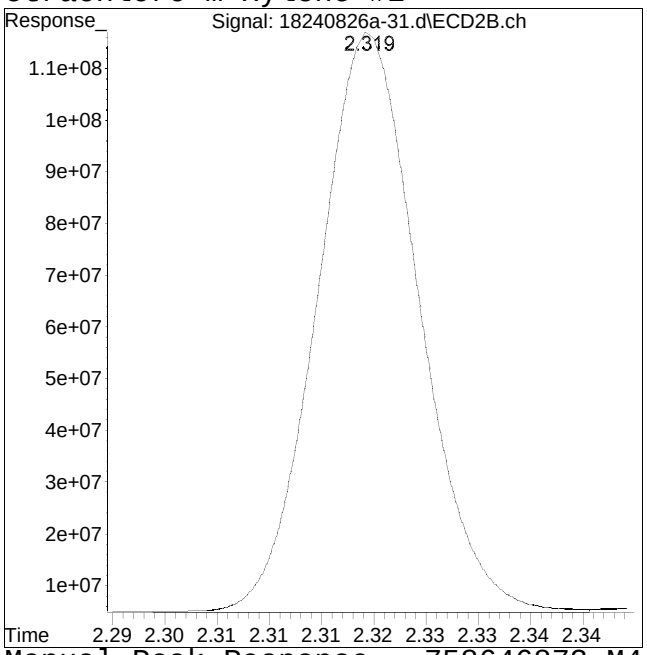
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-31.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 17:21 Instrument : Pest 18
Sample : L2447503-11,42,, Quant Date : 8/26/2024 10:37 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 764092937



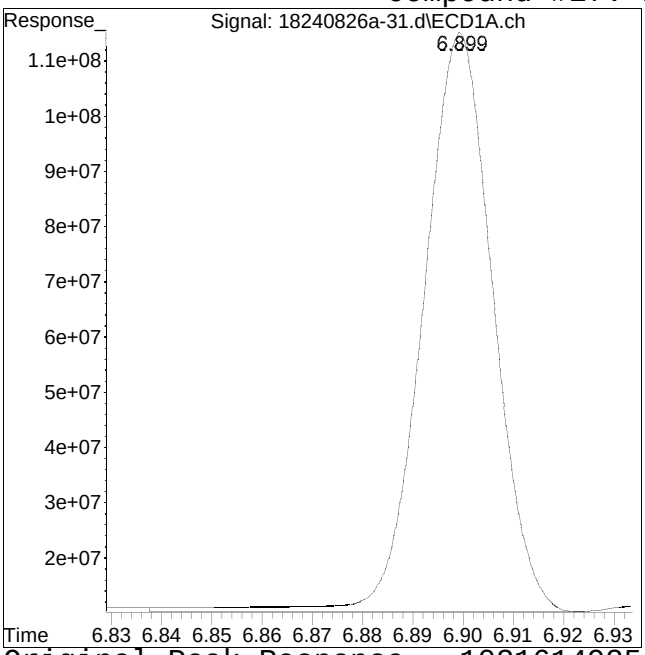
Manual Peak Response = 758646873 M4

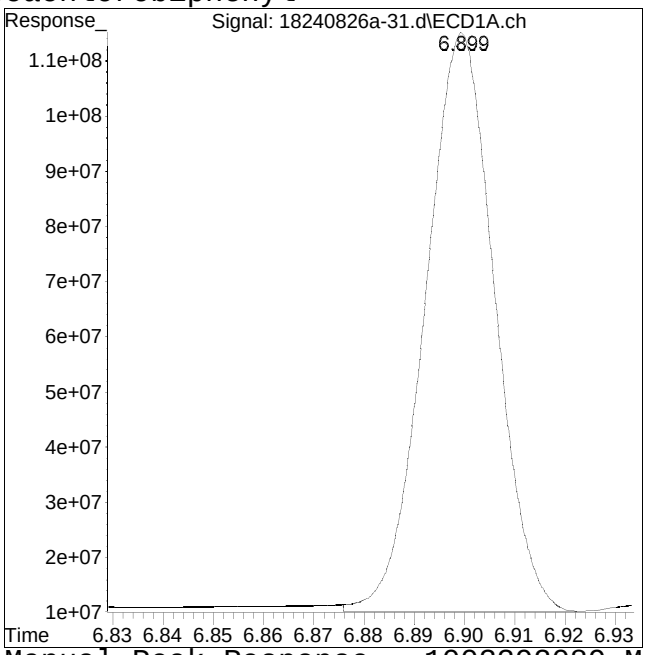
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-31.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 17:21 Instrument : Pest 18
Sample : L2447503-11,42,, Quant Date : 8/26/2024 10:37 pm

Compound #27: Decachlorobiphenyl



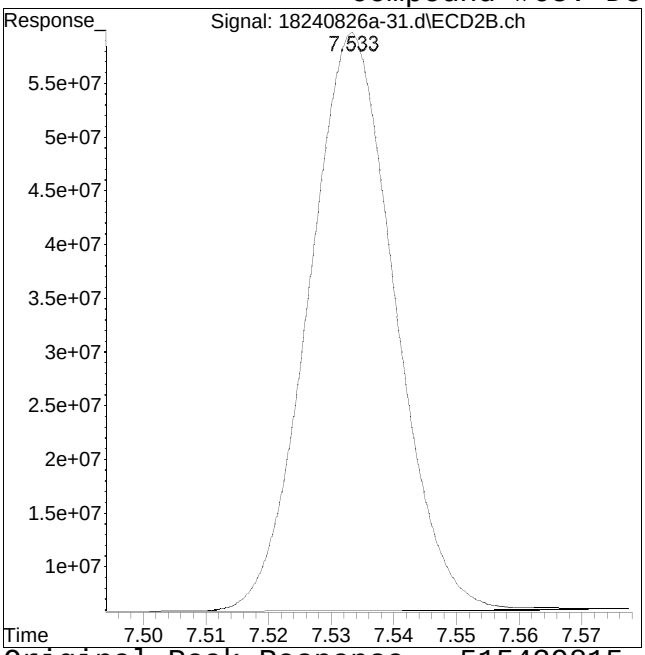


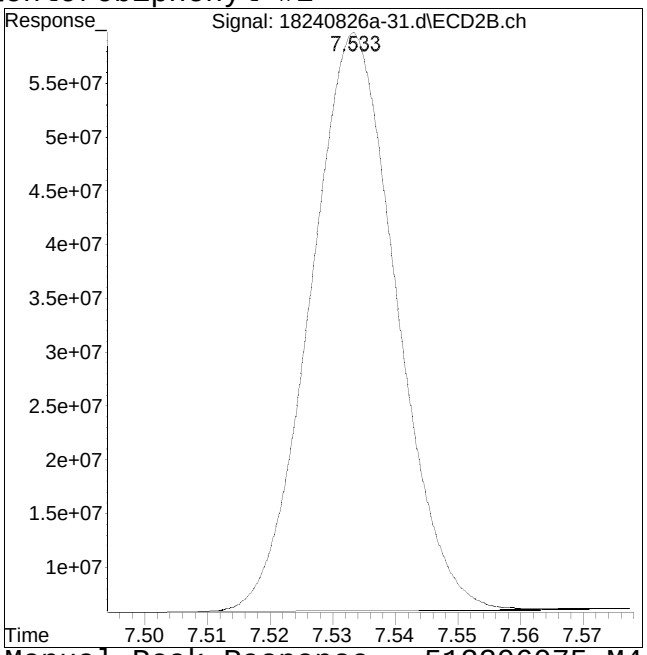
Original Peak Response = 1021614925 Manual Peak Response = 1003392089 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-31.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 17:21 Instrument : Pest 18
Sample : L2447503-11,42,, Quant Date : 8/26/2024 10:37 pm

Compound #65: Decachlorobiphenyl #2



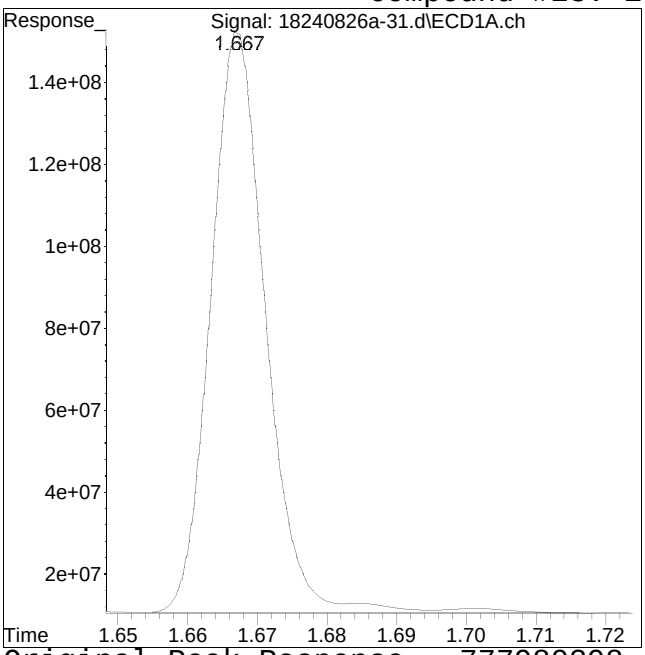


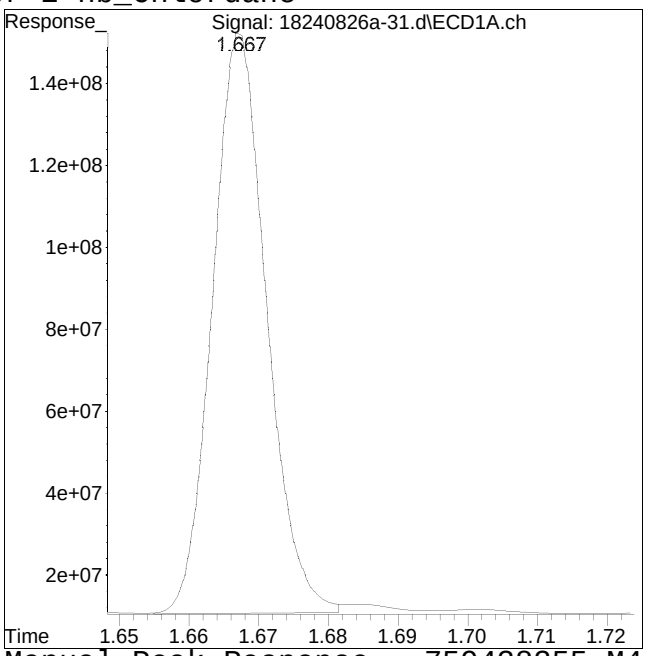
Original Peak Response = 515439815 Manual Peak Response = 512306075 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-31.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 17:21 Instrument : Pest 18
Sample : L2447503-11,42,, Quant Date : 8/26/2024 10:37 pm

Compound #28: 1-br-2-nb_Chlordane



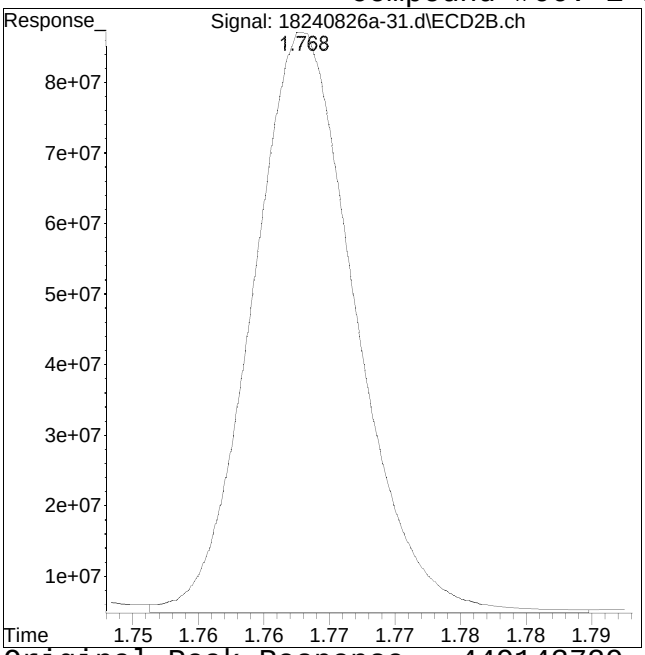


Original Peak Response = 777980398 Manual Peak Response = 759438355 M4
M4 = Poor automated baseline construction.

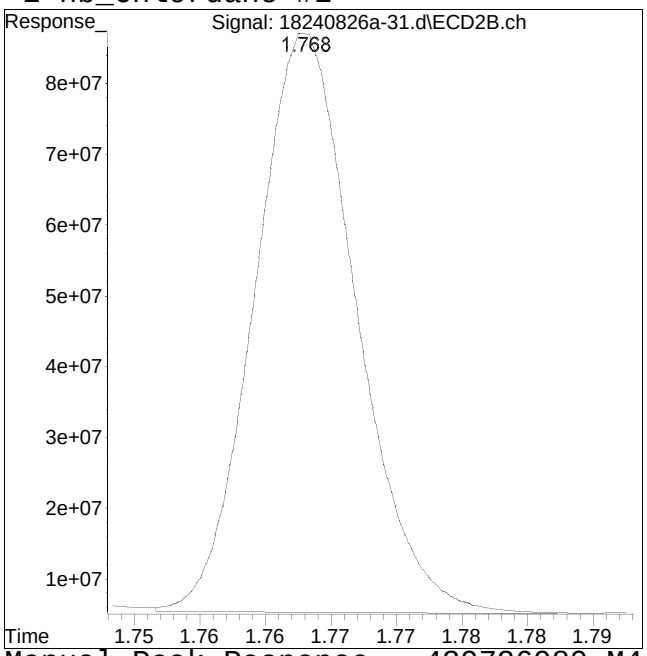
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-31.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 17:21 Instrument : Pest 18
Sample : L2447503-11,42,, Quant Date : 8/26/2024 10:37 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 449143729



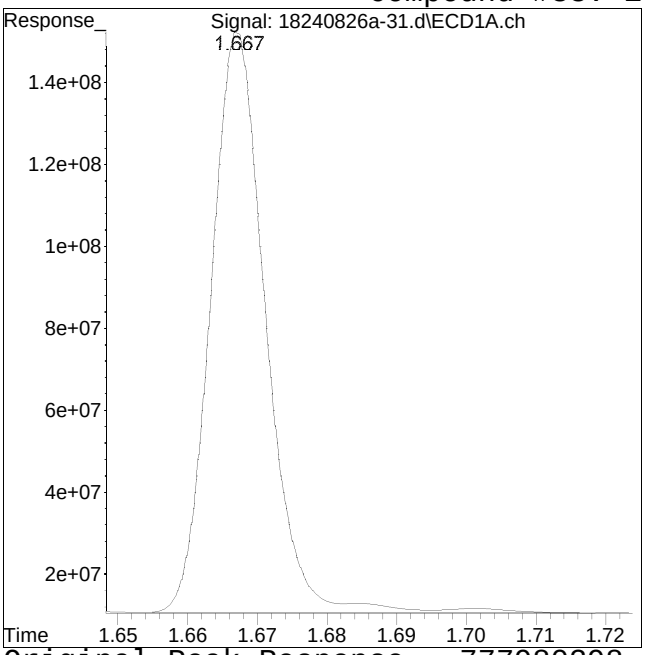
Manual Peak Response = 439726980 M4

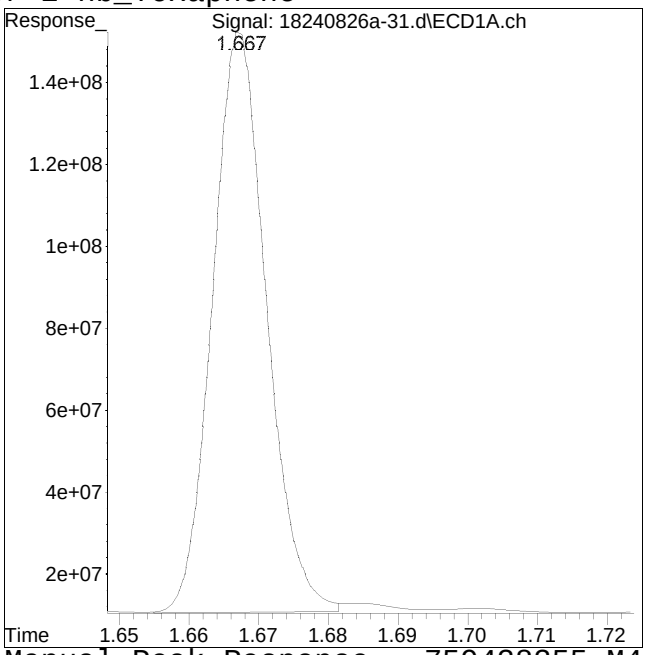
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-31.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 17:21 Instrument : Pest 18
Sample : L2447503-11,42,, Quant Date : 8/26/2024 10:37 pm

Compound #33: 1-br-2-nb_Toxaphene



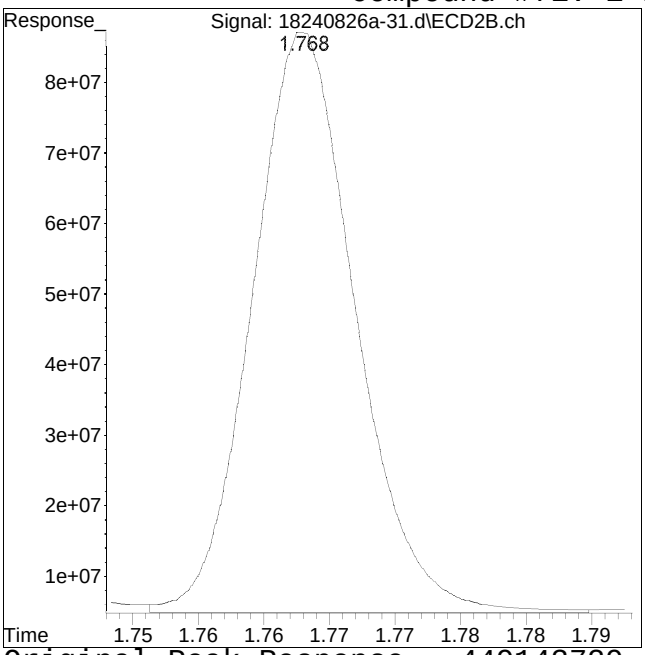


Original Peak Response = 777980398 Manual Peak Response = 759438355 M4
M4 = Poor automated baseline construction.

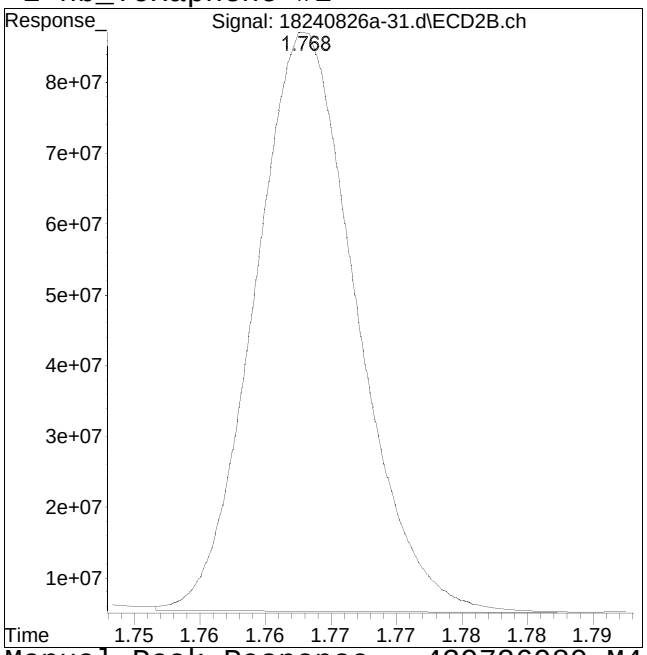
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-31.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 17:21 Instrument : Pest 18
Sample : L2447503-11,42,, Quant Date : 8/26/2024 10:37 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 449143729



Manual Peak Response = 439726980 M4

M4 = Poor automated baseline construction.

Pesticides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST20**	**Ical Ref**	**: ICAL21322**
Calibration dates	**: 07/22/24 18:09 07/22/24 22:55**		

Calibration Files

1 =20240722i-03.D 2 =20240722i-04.D 3 =20240722i-22.D 4 =20240722i-23.D 5 =20240722i-16.D
7 =20240722i-24.D 8 =20240722i-25.D 9 =20240722i-26.D 10 =20240722i-20.D 11 =20240722i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	ISTD											
2)	s	2,4,5,6-Tetrachloro-m-xylene	1.644	1.499	1.427	1.363	1.265	1.143	1.147	1.086	1.055	*L		0.998
9)														
3)		Hexachlorobenzene	1.707	1.607	1.513	1.384	1.194	1.174	1.119	1.086		*L		0.999
0)														
4)		alpha-BHC	1.785	1.698	1.641	1.573	1.538	1.508	1.541	1.500	1.487		1.586	6.42
5)		gamma-BHC (li	1.895	1.736	1.660	1.586	1.512	1.448	1.371	1.389	1.355	1.336	1.529	12.25
6)		beta-BHC	0.941	0.888	0.849	0.769	0.651	0.639	0.609	0.596		*L		0.999
1)														
7)		delta-BHC	1.696	1.612	1.549	1.490	1.425	1.376	1.403	1.380	1.374		1.478	7.92
8)		Heptachlor	1.829	1.732	1.655	1.591	1.448	1.324	1.323	1.290	1.251		1.494	14.30
9)		Aldrin	1.619	1.546	1.494	1.427	1.353	1.284	1.299	1.278	1.249		1.394	9.56
10)		Alachlor	0.278	0.282	0.266	0.254	0.212	0.197	0.181			*L		0.995
5)														
11)		Chlorpyrifos	0.976	0.933	0.886	0.783	0.625	0.587	0.549			*L		0.996
8)														
12)		Heptachlor Ep	1.654	1.552	1.512	1.429	1.320	1.195	1.188	1.160	1.129		1.349	14.41
13)		gamma-Chlorda	1.497	1.403	1.502	1.193	1.085	1.083	1.067	1.049		*L		0.999
7)														
14)		alpha-Chlorda	1.706	1.615	1.553	1.477	1.352	1.227	1.220	1.198	1.173		*L	0.999
6)														
15)		4,4'-DDE	1.496	1.461	1.444	1.363	1.284	1.240	1.255	1.241	1.212		1.333	8.22
16)		Endosulfan I	1.514	1.437	1.405	1.327	1.228	1.130	1.125	1.102	1.078		1.261	13.01
17)		Dieldrin	1.575	1.491	1.423	1.431	1.241	1.175	1.182	1.172	1.143		1.315	12.52
18)		Endrin	1.496	1.460	1.411	1.335	1.257	1.181	1.184	1.169	1.134		1.292	10.64
19)		4,4'-DDD	1.243	1.219	1.191	1.115	1.048	0.999	1.005	0.992	0.964		1.086	9.96
20)		Endosulfan II	1.434	1.360	1.318	1.233	1.144	1.043	1.040	1.019	0.985		1.175	14.19
21)		4,4'-DDT	1.433	1.377	1.331	1.243	1.168	1.085	1.083	1.063	1.027		*L	0.999
4)														
22)		Endrin Aldehyde	1.122	1.121	1.093	1.031	0.955	0.899	0.900	0.878	0.841		*L	0.999
1)														
23)		Methoxychlor	0.899	0.858	0.804	0.745	0.620	0.597	0.564	0.529			*L	0.997
0)														
24)		Mirex	1.441	1.369	1.246	1.138	0.941	0.908	0.865	0.825			*L	0.998
2)														
25)		Endosulfan Su	1.493	1.383	1.352	1.238	1.128	0.990	0.982	0.951			*L	0.999

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST20**	**Ical Ref**	**: ICAL21322**
Calibration dates	**: 07/22/24 18:09 07/22/24 22:55**		

Calibration Files

1 =20240722i-03.D 2 =20240722i-04.D 3 =20240722i-22.D 4 =20240722i-23.D 5 =20240722i-16.D

7 =20240722i-24.D 8 =20240722i-25.D 9 =20240722i-26.D 10 =20240722i-20.D 11 =20240722i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)														
26)		Endrin Ketone	1.545	1.499	1.445	1.328	1.257	1.138	1.129	1.093	1.046		1.275	14.69
27)	s	Decachlorobip			1.662	1.558	1.442	1.334	1.117	1.085	1.028		*L	0.998
6)														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.057	0.055	0.048	0.042	0.040	0.039			*L	0.998
4)														
30)	l1	chlordane-3			0.075	0.072	0.062	0.053	0.048	0.046			*L	0.996
4)														
31)	l1	chlordane-4			0.295	0.236	0.183	0.171	0.165	0.161			*L	0.999
7)														
32)	l1	chlordane-5			0.358	0.335	0.280	0.264	0.255	0.248			*L	0.999
4)														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.043	0.049		0.045	0.042	0.037			*L	0.992
4)														
35)	l2	toxaphene-2			0.047	0.044		0.044	0.041	0.037			*L	0.995
8)														
36)	l2	toxaphene-4			0.038	0.031		0.028	0.027	0.024			*L	0.995
7)														
37)	l2	toxaphene-5			0.053	0.048		0.043	0.041	0.037			*L	0.996
4)														

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST20**	**Ical Ref**	**: ICAL21322**
Calibration dates	**: 07/22/24 18:09 07/22/24 22:55**		

Signal #2 Calibration Files

1 =20240722i-03.D 2 =20240722i-04.D 3 =20240722i-22.D 4 =20240722i-23.D 5 =20240722i-16.D
7 =20240722i-24.D 8 =20240722i-25.D 9 =20240722i-26.D 10 =20240722i-20.D 11 =20240722i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	ISTD											
2)	s	2,4,5,6-Tetra		1.450	1.362	1.318	1.260	1.198	1.124	1.131	1.094	1.074	1.223	10.77
3)		Hexachloroben			1.539	1.464	1.388	1.290	1.153	1.145	1.108	1.086	*L	0.999
6)														
4)		alpha-BHC		1.634	1.553	1.526	1.475	1.468	1.505	1.556	1.539	1.546	1.533	3.23
5)		gamma-BHC (li	1.792	1.617	1.525	1.471	1.414	1.384	1.370	1.407	1.395	1.393	1.477	9.14
6)		beta-BHC			0.872	0.823	0.780	0.730	0.643	0.637	0.617	0.611	*L	0.999
7)														
7)		delta-BHC		1.608	1.490	1.451	1.394	1.369	1.380	1.427	1.428	1.441	1.443	5.02
8)		Heptachlor		1.675	1.555	1.505	1.433	1.351	1.278	1.299	1.280	1.249	1.403	10.58
9)		Aldrin		1.432	1.352	1.311	1.253	1.210	1.199	1.228	1.226	1.205	1.268	6.32
10)		Alachlor			0.254	0.243	0.234	0.219	0.181	0.170	0.160		*L	0.997
0)														
11)		Chlorpyrifos			0.921	0.889	0.834	0.752	0.624	0.595	0.565		*L	0.998
1)														
12)		Heptachlor Ep		1.532	1.419	1.363	1.305	1.219	1.149	1.157	1.147	1.123	1.268	11.39
13)		gamma-Chlorda			1.247	1.195	1.156	1.065	1.008	1.021	1.020	1.009	1.090	8.75
14)		alpha-Chlorda		1.463	1.371	1.327	1.271	1.195	1.126	1.136	1.129	1.112	1.237	10.31
15)		4,4'-DDE		1.326	1.256	1.223	1.230	1.121	1.130	1.158	1.161	1.132	1.193	5.86
16)		Endosulfan I		1.357	1.282	1.227	1.179	1.113	1.054	1.066	1.060	1.037	1.153	9.97
17)		Dieldrin		1.316	1.244	1.210	1.152	1.103	1.089	1.115	1.120	1.099	1.161	6.78
18)		Endrin		1.345	1.280	1.239	1.174	1.131	1.111	1.136	1.139	1.111	1.185	7.05
19)		4,4'-DDD		1.110	1.054	1.015	0.958	0.932	0.924	0.946	0.947	0.927	0.979	6.73
20)		Endosulfan II		1.313	1.231	1.188	1.118	1.059	0.996	1.006	0.999	0.969	1.098	11.11
21)		4,4'-DDT		1.288	1.206	1.173	1.103	1.070	1.037	1.052	1.043	1.014	1.110	8.37
22)		Endrin Aldehyde		1.027	0.993	0.959	0.910	0.859	0.848	0.861	0.853	0.824	*L	0.999
7)														
23)		Methoxychlor			0.820	0.775	0.708	0.661	0.573	0.560	0.538	0.506	*L	0.998
1)														
24)		Mirex			1.230	1.171	1.087	0.989	0.833	0.812	0.776	0.752	*L	0.998
9)														
25)		Endosulfan Su		1.311	1.244	1.196	1.109	1.043	0.963	0.966	0.953		*L	0.999
8)														
26)		Endrin Ketone		1.393	1.333	1.297	1.209	1.171	1.097	1.101	1.082	1.042	1.192	10.45
27)	s	Decachlorobip			1.277	1.205	1.140	1.071	0.916	0.898	0.859		*L	0.999
1)														

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST20**	**Ical Ref**	**: ICAL21322**
Calibration dates	**: 07/22/24 18:09 07/22/24 22:55**		

Signal #2 Calibration Files

1 =20240722i-03.D 2 =20240722i-04.D 3 =20240722i-22.D 4 =20240722i-23.D 5 =20240722i-16.D
7 =20240722i-24.D 8 =20240722i-25.D 9 =20240722i-26.D 10 =20240722i-20.D 11 =20240722i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.050	0.049	0.043	0.037	0.035	0.032			*L	0.996
30)	l1	chlordane-3			0.064	0.065	0.053	0.045	0.042	0.037			*L	0.992
31)	l1	chlordane-4			0.189	0.175	0.150	0.141	0.137	0.126			*L	0.997
32)	l1	chlordane-5			0.150	0.139	0.119	0.111	0.107	0.098			*L	0.997
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.022	0.026		0.022	0.022	0.021			*L	0.998
35)	l2	toxaphene-2			0.035	0.038		0.033	0.032	0.031			*L	0.999
36)	l2	toxaphene-4			0.042	0.043		0.038	0.037	0.036			*L	0.999
37)	l2	toxaphene-5			0.045	0.042		0.036	0.035	0.034			*L	0.999

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21365**
Calibration dates	**: 08/01/24 18:37 08/01/24 23:11**		

Calibration Files

1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d

7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD	
1)	i	1-br-2-nb_Pesticides	----------ISTD----------												
2)	s	2,4,5,6-Tetrachloro-m-xylene		1.070	1.052	1.075	1.017	1.028	1.042	1.068	1.019	0.980	1.039	3.00	
3)	t	Hexachlorobenzene		1.537	1.511	1.518	1.421	1.398	1.344	1.370	1.302	1.253	1.406	7.13	
4)	t	alpha-BHC		1.293	1.326	1.375	1.322	1.428	1.579	1.657	1.604	1.561	1.461	9.59	
5)	t	gamma-BHC (li	1.464	1.305	1.312	1.356	1.278	1.355	1.457	1.524	1.473	1.430	1.395	6.06	
6)	t	beta-BHC		0.665	0.662	0.666	0.624	0.626	0.607	0.622	0.597	0.580	0.628	4.95	
7)	t	delta-BHC		1.249	1.257	1.303	1.246	1.337	1.470	1.546	1.502	1.457	1.374	8.70	
8)	t	Heptachlor		1.313	1.322	1.357	1.281	1.318	1.358	1.400	1.323	1.217	1.321	3.91	
9)	t	Aldrin		1.175	1.189	1.221	1.154	1.205	1.287	1.348	1.300	1.220	1.233	5.24	
10)	t	Alachlor			0.247	0.248	0.233	0.238	0.226	0.221	0.199		0.230	7.42	
11)	t	Chlorpyrifos			0.674	0.682	0.634	0.615	0.538	0.520	0.466		0.590	14.01	
12)	t	Heptachlor Epoxide		1.181	1.208	1.238	1.159	1.186	1.202	1.236	1.175	1.082	1.185	3.96	
13)	t	gamma-Chlordane (trans)		1.079	1.070	1.097	1.026	1.044	1.078	1.133	1.110	1.057	1.077	3.07	
14)	t	alpha-Chlordane (cis)		1.192	1.207	1.248	1.181	1.200	1.223	1.275	1.242	1.178	1.216	2.74	
15)	t	4,4'-DDE		1.107	1.137	1.186	1.119	1.167	1.226	1.298	1.275	1.207	1.192	5.61	
16)	t	Endosulfan I		1.109	1.123	1.156	1.085	1.112	1.130	1.172	1.121	1.038	1.116	3.49	
17)	t	Dieldrin		1.070	1.103	1.138	1.067	1.113	1.174	1.234	1.196	1.123	1.135	4.98	
18)	t	Endrin		1.098	1.132	1.175	1.100	1.144	1.192	1.239	1.188	1.107	1.153	4.25	
19)	t	4,4'-DDD		0.857	0.879	0.918	0.859	0.900	0.956	1.015	1.002	0.960	0.927	6.36	
20)	t	Endosulfan II		1.034	1.062	1.094	1.026	1.054	1.071	1.111	1.052	0.964	1.052	4.03	
21)	t	4,4'-DDT		0.969	1.034	1.071	0.998	1.036	1.083	1.139	1.124	1.071	1.058	5.22	
22)	t	Endrin Aldehyde		0.906	0.889	0.917	0.869	0.878	0.877	0.913	0.888	0.841	0.886	2.70	
23)	t	Methoxychlor		0.656	0.635	0.675	0.610	0.607	0.565	0.567	0.527	0.485	0.592	10.43	
24)	t	Mirex			1.027	1.066	0.980	0.964	0.880	0.899	0.864	0.822	0.938	9.06	
25)	t	Endosulfan Sulfate		1.084	1.035	1.065	0.986	1.001	0.988	1.026	0.981	0.922	1.010	4.83	
26)	t	Endrin Ketone		1.166	1.200	1.247	1.167	1.200	1.196	1.227	1.160	1.085	1.183	3.94	
27)	s	Decachlorobiphenyl		1.355	1.316	1.321	1.208	1.146	1.036	1.055	1.020	1.010	1.163	12.13	
28)	i	1-br-2-nb_Chlordane	----------ISTD----------												
29)	l1	chlordane-1			0.038	0.036	0.037	0.037	0.038	0.037	0.036		*L	0.999	
3)															
30)	l1	chlordane-3			0.049	0.052	0.049	0.046	0.045	0.044	0.040		*L	0.997	
4)															
31)	l1	chlordane-4			0.164	0.158	0.156	0.160	0.165	0.162	0.151		*L	0.998	
6)															
32)	l1	chlordane-5			0.243	0.244	0.245	0.250	0.255	0.249	0.230		*L	0.998	
2)															

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21365**
Calibration dates	**: 08/01/24 18:37 08/01/24 23:11**		

Calibration Files

1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d

7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

	Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33) i	1-br-2-nb_Toxaphene	----------ISTD----------											
34) l2	toxaphene-2			0.038	0.046		0.055	0.055	0.056			*L	0.999
8)													
35) l2	toxaphene-3			0.032	0.035		0.042	0.043	0.044			*L	0.999
5)													
36) l2	toxaphene-4			0.041	0.040		0.042	0.043	0.045			*L	0.999
2)													
37) l2	toxaphene-5			0.053	0.041		0.039	0.039	0.040			*L	0.999
9)													

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21365**
Calibration dates	**: 08/01/24 18:37 08/01/24 23:11**		

Signal #2 Calibration Files

1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra			1.206	1.206	1.141	1.107	1.082	1.085	1.067	1.091	1.038	1.114	5.33
3)	t	Hexachloroben			1.451	1.390	1.323	1.249	1.197	1.146	1.145	1.144	1.106	1.239	9.92
4)	t	alpha-BHC			1.558	1.563	1.526	1.479	1.547	1.686	1.736	1.764	1.719	1.620	6.53
5)	t	gamma-BHC (li		1.777	1.551	1.516	1.480	1.413	1.442	1.525	1.563	1.584	1.540	1.539	6.46
6)	t	beta-BHC			0.854	0.824	0.779	0.737	0.692	0.642	0.639	0.637	0.614	*L	0.999
6)															
7)	t	delta-BHC			1.529	1.507	1.460	1.411	1.443	1.548	1.598	1.627	1.582	1.523	4.86
8)	t	Heptachlor			1.786	1.721	1.657	1.575	1.545	1.553	1.565	1.548	1.427	1.598	6.72
9)	t	Aldrin			1.511	1.468	1.436	1.367	1.367	1.434	1.469	1.478	1.382	1.435	3.65
10)	t	Alachlor			0.293	0.281	0.264	0.241	0.197	0.183	0.172		*L	0.996	
7)															
11)	t	Chlorpyrifos			1.095	1.043	0.969	0.877	0.736	0.700	0.666		*L	0.998	
3)															
12)	t	Heptachlor Ep		1.616	1.577	1.520	1.425	1.372	1.353	1.362	1.352	1.252	1.425	8.44	
13)	t	gamma-Chlorda		1.483	1.457	1.376	1.298	1.234	1.224	1.252	1.275	1.205	1.312	7.85	
14)	t	alpha-Chlorda		1.641	1.577	1.521	1.435	1.382	1.359	1.381	1.400	1.318	1.446	7.54	
15)	t	4,4'-DDE		1.377	1.359	1.330	1.263	1.272	1.348	1.390	1.418	1.327	1.343	3.82	
16)	t	Endosulfan I		1.515	1.476	1.419	1.334	1.284	1.260	1.269	1.263	1.167	1.332	8.59	
17)	t	Dieldrin		1.415	1.389	1.352	1.281	1.267	1.305	1.334	1.344	1.257	1.327	4.11	
18)	t	Endrin		1.442	1.411	1.375	1.305	1.290	1.326	1.350	1.356	1.265	1.347	4.25	
19)	t	4,4'-DDD		1.118	1.104	1.084	1.022	1.026	1.071	1.106	1.134	1.088	1.084	3.57	
20)	t	Endosulfan II		1.364	1.341	1.298	1.220	1.180	1.154	1.164	1.150	1.053	1.214	8.39	
21)	t	4,4'-DDT		1.293	1.294	1.271	1.196	1.196	1.227	1.262	1.290	1.222	1.250	3.26	
22)	t	Endrin Aldehyde		1.156	1.131	1.093	1.025	0.982	0.941	0.951	0.957	0.906	*L	0.999	
3)															
23)	t	Methoxychlor		0.848	0.816	0.797	0.739	0.695	0.630	0.620	0.614	0.581	0.704	14.13	
24)	t	Mirex			1.298	1.250	1.156	1.061	0.921	0.910	0.914	0.867	*L	0.999	
3)															
25)	t	Endosulfan Su		1.382	1.336	1.302	1.218	1.159	1.107	1.116	1.118	1.054	1.199	9.68	
26)	t	Endrin Ketone		1.378	1.372	1.340	1.264	1.245	1.205	1.207	1.200	1.136	1.261	6.75	
27)	s	Decachlorobip		1.252	1.219	1.185	1.105	1.040	0.936	0.932	0.943	0.929	1.060	12.61	
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.054	0.052	0.044	0.039	0.040	0.040	0.035		*L	0.996	
3)															
30)	l1	chlordane-3			0.070	0.064	0.055	0.047	0.046	0.044	0.037		*L	0.991	

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21365**
Calibration dates	**: 08/01/24 18:37 08/01/24 23:11**		

Signal #2 Calibration Files

1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
2)														
31)	l1	chlordane-4			0.208	0.191	0.166	0.163	0.167	0.169	0.147		*L	0.995
9)														
32)	l1	chlordane-5			0.162	0.149	0.130	0.126	0.128	0.129	0.113		*L	0.996
1)														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-2			0.028	0.028		0.023	0.023	0.024			*L	0.999
7)														
35)	l2	toxaphene-3			0.042	0.040		0.035	0.035	0.035			*L	0.999
8)														
36)	l2	toxaphene-4			0.049	0.047		0.041	0.041	0.042			*L	0.999
7)														
37)	l2	toxaphene-5			0.050	0.045		0.038	0.038	0.039			*L	0.999
7)														

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL21398**
Calibration dates	**: 08/15/24 14:05 08/15/24 18:28**		

Calibration Files

1 =18240815i-03.d 2 =18240815i-04.d 3 =18240815i-22.d 4 =18240815i-23.d 5 =18240815i-16.d

7 =18240815i-24.d 8 =18240815i-18.d 9 =18240815i-26.d 10 =18240815i-20.d 11 =18240815i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	ISTD											
2)	s	2,4,5,6-Tetrachloro-m-xylene				1.311	1.321	1.272	1.347	1.276	1.155	1.130	1.085	1.081	1.220	8.72
3)		Hexachlorobenzene				1.616	1.609	1.580	1.483	1.423	1.329	1.299	1.251	1.289	1.431	10.23
4)		alpha-BHC				1.553	1.581	1.570	1.491	1.505	1.521	1.505	1.471	1.577	1.531	2.66
5)		gamma-BHC (li			1.600	1.434	1.446	1.435	1.360	1.373	1.361	1.347	1.308	1.375	1.404	5.82
6)		beta-BHC				0.744	0.738	0.635	0.674	0.645	0.596	0.579	0.560	0.575	0.638	10.78
7)		delta-BHC				1.459	1.475	1.433	1.369	1.379	1.385	1.373	1.338	1.423	1.404	3.27
8)		Heptachlor				1.459	1.465	1.425	1.344	1.324	1.280	1.234	1.153	1.148	1.315	9.24
9)		Aldrin				1.347	1.386	1.355	1.280	1.268	1.275	1.244	1.178	1.220	1.284	5.28
10)		Alachlor				0.219	0.222	0.222	0.197	0.199	0.181	0.166	0.145		0.194	14.60
11)		Chlorpyrifos							0.660	0.622	0.562	0.521	0.465	0.455	*L	0.996
0)																
12)		Heptachlor Ep				1.231	1.303	1.292	1.202	1.136	1.133	1.091	1.021	1.036	1.161	8.91
13)		gamma-Chlorda				1.276	1.255	1.236	1.139	1.094	1.087	1.063	1.014	1.096	1.140	8.18
14)		alpha-Chlorda				1.367	1.397	1.391	1.295	1.234	1.225	1.194	1.127	1.225	1.273	7.47
15)		4,4'-DDE				1.245	1.368	1.334	1.290	1.217	1.261	1.236	1.173	1.288	1.268	4.71
16)		Endosulfan I				1.226	1.265	1.270	1.186	1.120	1.108	1.068	0.992	1.005	1.138	9.25
17)		Dieldrin			1.305	1.318	1.303	1.217	1.174	1.186	1.154	1.085	1.138		1.209	6.88
18)		Endrin			1.288	1.324	1.315	1.245	1.184	1.190	1.152	1.077	1.108		1.209	7.39
19)		4,4'-DDD			1.022	1.056	1.053	0.982	0.943	0.970	0.942	0.896	0.974		0.982	5.43
20)		Endosulfan II			1.187	1.223	1.221	1.148	1.077	1.067	1.028	0.948	0.968		1.096	9.50
21)		4,4'-DDT			1.149	1.224	1.194	1.108	1.042	1.091	1.061	1.002	1.092		1.107	6.44
22)		Endrin Aldehyde			0.973	1.036	1.024	0.953	0.885	0.896	0.872	0.817	0.851		0.923	8.36
23)		Methoxychlor					0.750	0.688	0.623	0.591	0.547	0.487			*L	0.994
5)																
24)		Mirex			1.252	1.197	1.162	1.052	0.944	0.879	0.838	0.780	0.866		*L	0.997
7)																
25)		Endosulfan Su			1.160	1.207	1.174	1.108	1.058	1.062	1.034	0.963	1.011		1.087	7.50
26)		Endrin Ketone			1.355	1.377	1.361	1.273	1.214	1.181	1.130	1.020	1.030		1.216	11.32
27)	s	Decachlorobip			1.957	1.621	1.569	1.445	1.246	1.194	1.139	1.082	1.218		*L	0.997
3)																
28)	i	1-br-2-nb_Chlordane	ISTD													
29)	l1	chlordane-1					0.091	0.087	0.082	0.077	0.066	0.063			0.078	14.38
30)	l1	chlordane-3					0.057	0.058	0.054	0.049	0.042	0.040			0.050	15.87
31)	l1	chlordane-4					0.206	0.199	0.184	0.177	0.145	0.148			0.176	14.35
32)	l1	chlordane-5					0.314	0.302	0.284	0.272	0.222	0.226			0.270	14.22

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL21398**
Calibration dates	**: 08/15/24 14:05 08/15/24 18:28**		

Calibration Files

1 =18240815i-03.d 2 =18240815i-04.d 3 =18240815i-22.d 4 =18240815i-23.d 5 =18240815i-16.d
7 =18240815i-24.d 8 =18240815i-18.d 9 =18240815i-26.d 10 =18240815i-20.d 11 =18240815i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	ISTD											
34)	l2	toxaphene-1			0.047	0.054		0.051	0.050	0.047			0.050	5.77
35)	l2	toxaphene-2			0.048	0.060		0.055	0.057	0.054			0.054	8.29
36)	l2	toxaphene-3			0.048	0.066		0.054	0.054	0.053			0.055	11.91
37)	l2	toxaphene-4			0.072	0.057		0.049	0.050	0.047			0.055	18.70

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL21398**
Calibration dates	**: 08/15/24 14:05 08/15/24 18:28**		

Signal #2 Calibration Files

1 =18240815i-03.d 2 =18240815i-04.d 3 =18240815i-22.d 4 =18240815i-23.d 5 =18240815i-16.d
7 =18240815i-24.d 8 =18240815i-18.d 9 =18240815i-26.d 10 =18240815i-20.d 11 =18240815i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra		1.253	1.266	1.229	1.185	1.166	1.141	1.128	1.112	1.131	1.179	4.89
3)		Hexachloroben		1.414	1.419	1.368	1.293	1.239	1.165	1.144	1.127	1.175	1.260	9.30
4)		alpha-BHC		1.511	1.542	1.524	1.470	1.523	1.589	1.606	1.620	1.737	1.569	5.07
5)		gamma-BHC (li	1.687	1.441	1.468	1.435	1.376	1.391	1.422	1.432	1.434	1.536	1.462	6.16
6)		beta-BHC		0.764	0.753	0.737	0.694	0.673	0.631	0.618	0.604	0.640	0.679	8.92
7)		delta-BHC		1.450	1.449	1.412	1.357	1.390	1.440	1.459	1.458	1.587	1.445	4.41
8)		Heptachlor		1.386	1.419	1.380	1.304	1.278	1.296	1.270	1.233	1.296	1.318	4.74
9)		Aldrin		1.310	1.336	1.318	1.253	1.267	1.319	1.306	1.274	1.379	1.307	2.96
10)		Alachlor		0.213	0.221	0.217	0.208	0.202	0.186	0.170	0.153		0.196	12.39
11)		Chlorpyrifos					0.706	0.663	0.597	0.550	0.495	0.509	*L	0.997
6)														
12)		Heptachlor Ep		1.354	1.366	1.317	1.230	1.207	1.216	1.181	1.130	1.223	1.247	6.46
13)		gamma-Chlorda		1.174	1.199	1.176	1.109	1.093	1.117	1.091	1.063	1.208	1.137	4.66
14)		alpha-Chlorda		1.323	1.351	1.319	1.245	1.222	1.242	1.209	1.174	1.330	1.268	4.99
15)		4,4'-DDE		1.223	1.272	1.245	1.184	1.187	1.275	1.247	1.210	1.365	1.245	4.48
16)		Endosulfan I		1.228	1.240	1.220	1.153	1.138	1.156	1.123	1.072	1.170	1.167	4.69
17)		Dieldrin		1.210	1.233	1.216	1.149	1.151	1.207	1.183	1.142	1.270	1.196	3.61
18)		Endrin		1.262	1.252	1.232	1.184	1.159	1.190	1.161	1.113	1.223	1.197	4.08
19)		4,4'-DDD		1.023	1.017	0.989	0.924	0.912	0.976	0.954	0.924	1.069	0.976	5.47
20)		Endosulfan II		1.145	1.156	1.125	1.068	1.041	1.059	1.027	0.973	1.053	1.072	5.57
21)		4,4'-DDT		1.097	1.138	1.092	1.031	1.014	1.070	1.039	1.001	1.151	1.070	4.97
22)		Endrin Aldehyde		0.992	0.971	0.957	0.888	0.851	0.879	0.856	0.821	0.917	0.903	6.53
23)		Methoxychlor				0.687	0.646	0.590	0.561	0.521	0.479		0.581	13.27
24)		Mirex		1.060	1.046	1.017	0.954	0.871	0.822	0.776	0.730	0.851	0.903	13.41
25)		Endosulfan Su		1.111	1.121	1.084	1.030	0.990	1.006	0.971	0.930	1.045	1.032	6.28
26)		Endrin Ketone		1.200	1.207	1.182	1.129	1.076	1.096	1.052	0.998	1.104	1.116	6.32
27)	s	Decachlorobip		1.081	1.114	1.071	1.015	0.911	0.879	0.827	0.780	0.897	0.953	12.63
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.048	0.044	0.044	0.041	0.036	0.035			0.041	12.02
30)	l1	chlordane-3			0.053	0.053	0.050	0.044	0.037	0.036			0.046	16.76
31)	l1	chlordane-4			0.180	0.175	0.173	0.168	0.143	0.146			0.164	9.49
32)	l1	chlordane-5			0.146	0.142	0.138	0.132	0.112	0.114			0.131	11.17
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.020	0.027		0.026	0.026	0.026			0.025	11.73
35)	l2	toxaphene-2			0.034	0.042		0.039	0.037	0.039			0.038	7.22

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL21398**
Calibration dates	**: 08/15/24 14:05 08/15/24 18:28**		

Signal #2 Calibration Files

1 =18240815i-03.d 2 =18240815i-04.d 3 =18240815i-22.d 4 =18240815i-23.d 5 =18240815i-16.d
7 =18240815i-24.d 8 =18240815i-18.d 9 =18240815i-26.d 10 =18240815i-20.d 11 =18240815i-12.d

Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
36) l2 toxaphene-3			0.039	0.048		0.046	0.046	0.047			0.045	7.74
37) l2 toxaphene-4			0.033	0.044		0.041	0.040	0.042			0.040	10.64

Response Factor Report PEST 20

Method Path : I:\PEST\Pest20\2024\240722ical\
Method File : pest20_2024_07_22_ugL_ICAL.m
Title : pest
Last Update : Tue Jul 23 14:34:40 2024
Response Via : Initial Calibration

Calibration Files
1 =20240722i-03.D 2 =20240722i-04.D 3 =20240722i-22.D 4 =20240722i-23.D 5 =20240722i-16.D
7 =20240722i-24.D 8 =20240722i-25.D 9 =20240722i-26.D 10 =20240722i-20.D 11 =20240722i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg		%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------												
2)	s	2,4,5,6-Tetra...	1.644	1.499	1.427	1.363	1.265	1.143	1.147	1.086	1.055		*L		0.9989
3)		Hexachloroben...			1.707	1.607	1.513	1.384	1.194	1.174	1.119	1.086	*L		0.9990
4)		alpha-BHC	1.785	1.698	1.641	1.573	1.538	1.508	1.541	1.500	1.487		1.586		6.42
5)		gamma-BHC (li...	1.895	1.736	1.660	1.586	1.512	1.448	1.371	1.389	1.355	1.336	1.529		12.25
6)		beta-BHC			0.941	0.888	0.849	0.769	0.651	0.639	0.609	0.596	*L		0.9991
7)		delta-BHC	1.696	1.612	1.549	1.490	1.425	1.376	1.403	1.380	1.374		1.478		7.92
8)		Heptachlor	1.829	1.732	1.655	1.591	1.448	1.324	1.323	1.290	1.251		1.494		14.30
9)		Aldrin	1.619	1.546	1.494	1.427	1.353	1.284	1.299	1.278	1.249		1.394		9.56
10)		Alachlor			0.278	0.282	0.266	0.254	0.212	0.197	0.181		*L		0.9955
11)		Chlorpyrifos			0.976	0.933	0.886	0.783	0.625	0.587	0.549		*L		0.9968
12)		Heptachlor Ep...	1.654	1.552	1.512	1.429	1.320	1.195	1.188	1.160	1.129		1.349		14.41
13)		gamma-Chlorda...			1.497	1.403	1.502	1.193	1.085	1.083	1.067	1.049	*L		0.9997
14)		alpha-Chlorda...	1.706	1.615	1.553	1.477	1.352	1.227	1.220	1.198	1.173		*L		0.9996
15)		4,4'-DDE	1.496	1.461	1.444	1.363	1.284	1.240	1.255	1.241	1.212		1.333		8.22
16)		Endosulfan I	1.514	1.437	1.405	1.327	1.228	1.130	1.125	1.102	1.078		1.261		13.01

Response Factor Report PEST 20

Method Path : I:\PEST\Pest20\2024\240722ical\
Method File : pest20_2024_07_22_ugL_ICAL.m
Title : pest
Last Update : Tue Jul 23 14:34:40 2024
Response Via : Initial Calibration

Calibration Files
1 =20240722i-03.D 2 =20240722i-04.D 3 =20240722i-22.D 4 =20240722i-23.D 5 =20240722i-16.D
7 =20240722i-24.D 8 =20240722i-25.D 9 =20240722i-26.D 10 =20240722i-20.D 11 =20240722i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
17)		Dieldrin		1.575	1.491	1.423	1.431	1.241	1.175	1.182	1.172	1.143	1.315	12.52
18)		Endrin		1.496	1.460	1.411	1.335	1.257	1.181	1.184	1.169	1.134	1.292	10.64
19)		4,4'-DDD		1.243	1.219	1.191	1.115	1.048	0.999	1.005	0.992	0.964	1.086	9.96
20)		Endosulfan II		1.434	1.360	1.318	1.233	1.144	1.043	1.040	1.019	0.985	1.175	14.19
21)		4,4'-DDT		1.433	1.377	1.331	1.243	1.168	1.085	1.083	1.063	1.027	*L	0.999
4														
22)		Endrin Aldehyde		1.122	1.121	1.093	1.031	0.955	0.899	0.900	0.878	0.841	*L	0.999
1														
23)		Methoxychlor			0.899	0.858	0.804	0.745	0.620	0.597	0.564	0.529	*L	0.997
0														
24)		Mirex			1.441	1.369	1.246	1.138	0.941	0.908	0.865	0.825	*L	0.998
2														
25)		Endosulfan Su...		1.493	1.383	1.352	1.238	1.128	0.990	0.982	0.951		*L	0.999
1														
26)		Endrin Ketone		1.545	1.499	1.445	1.328	1.257	1.138	1.129	1.093	1.046	1.275	14.69
27)	s	Decachlorobip...			1.662	1.558	1.442	1.334	1.117	1.085	1.028		*L	0.998
6														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.057	0.055	0.048	0.042	0.040	0.039			*L	0.998
4														
30)	l1	chlordane-3			0.075	0.072	0.062	0.053	0.048	0.046			*L	0.996
4														
31)	l1	chlordane-4			0.295	0.236	0.183	0.171	0.165	0.161			*L	0.999
7														
32)	l1	chlordane-5			0.358	0.335	0.280	0.264	0.255	0.248			*L	0.999
4														

Method Path : I:\PEST\Pest20\2024\240722ical\
Method File : pest20_2024_07_22_ugL_ICAL.m
Title : pest
Last Update : Tue Jul 23 14:34:40 2024
Response Via : Initial Calibration

Calibration Files
1 =20240722i-03.D 2 =20240722i-04.D 3 =20240722i-22.D 4 =20240722i-23.D 5 =20240722i-16.D
7 =20240722i-24.D 8 =20240722i-25.D 9 =20240722i-26.D 10 =20240722i-20.D 11 =20240722i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.043	0.049		0.045	0.042	0.037			*L	0.9924
35)	l2	toxaphene-2			0.047	0.044		0.044	0.041	0.037			*L	0.9958
36)	l2	toxaphene-4			0.038	0.031		0.028	0.027	0.024			*L	0.9957
37)	l2	toxaphene-5			0.053	0.048		0.043	0.041	0.037			*L	0.9964

Signal #2 Calibration Files
1 =20240722i-03.D 2 =20240722i-04.D 3 =20240722i-22.D 4 =20240722i-23.D 5 =20240722i-16.D
7 =20240722i-24.D 8 =20240722i-25.D 9 =20240722i-26.D 10 =20240722i-20.D 11 =20240722i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.450	1.362	1.318	1.260	1.198	1.124	1.131	1.094	1.074	1.223	10.77
3)		Hexachloroben...			1.539	1.464	1.388	1.290	1.153	1.145	1.108	1.086	*L	0.9996
4)		alpha-BHC		1.634	1.553	1.526	1.475	1.468	1.505	1.556	1.539	1.546	1.533	3.23
5)		gamma-BHC (li...	1.792	1.617	1.525	1.471	1.414	1.384	1.370	1.407	1.395	1.393	1.477	9.14
6)		beta-BHC			0.872	0.823	0.780	0.730	0.643	0.637	0.617	0.611	*L	0.9997
7)		delta-BHC		1.608	1.490	1.451	1.394	1.369	1.380	1.427	1.428	1.441	1.443	5.02
8)		Heptachlor		1.675	1.555	1.505	1.433	1.351	1.278	1.299	1.280	1.249	1.403	10.58
9)		Aldrin		1.432	1.352	1.311	1.253	1.210	1.199	1.228	1.226	1.205	1.268	6.32

Response Factor Report PEST 20

Method Path : I:\PEST\Pest20\2024\240722ical\
Method File : pest20_2024_07_22_ugL_ICAL.m
Title : pest
Last Update : Tue Jul 23 14:34:40 2024
Response Via : Initial Calibration

Calibration Files
1 =20240722i-03.D 2 =20240722i-04.D 3 =20240722i-22.D 4 =20240722i-23.D 5 =20240722i-16.D
7 =20240722i-24.D 8 =20240722i-25.D 9 =20240722i-26.D 10 =20240722i-20.D 11 =20240722i-12.D

	Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
10)	Alachlor			0.254	0.243	0.234	0.219	0.181	0.170	0.160		*L	0.997
11)	Chlorpyrifos			0.921	0.889	0.834	0.752	0.624	0.595	0.565		*L	0.998
12)	Heptachlor Ep...		1.532	1.419	1.363	1.305	1.219	1.149	1.157	1.147	1.123	1.268	11.39
13)	gamma-Chlorda...			1.247	1.195	1.156	1.065	1.008	1.021	1.020	1.009	1.090	8.75
14)	alpha-Chlorda...		1.463	1.371	1.327	1.271	1.195	1.126	1.136	1.129	1.112	1.237	10.31
15)	4,4'-DDE		1.326	1.256	1.223	1.230	1.121	1.130	1.158	1.161	1.132	1.193	5.86
16)	Endosulfan I		1.357	1.282	1.227	1.179	1.113	1.054	1.066	1.060	1.037	1.153	9.97
17)	Dieldrin		1.316	1.244	1.210	1.152	1.103	1.089	1.115	1.120	1.099	1.161	6.78
18)	Endrin		1.345	1.280	1.239	1.174	1.131	1.111	1.136	1.139	1.111	1.185	7.05
19)	4,4'-DDD		1.110	1.054	1.015	0.958	0.932	0.924	0.946	0.947	0.927	0.979	6.73
20)	Endosulfan II		1.313	1.231	1.188	1.118	1.059	0.996	1.006	0.999	0.969	1.098	11.11
21)	4,4'-DDT		1.288	1.206	1.173	1.103	1.070	1.037	1.052	1.043	1.014	1.110	8.37
22)	Endrin Aldehyde		1.027	0.993	0.959	0.910	0.859	0.848	0.861	0.853	0.824	*L	0.999
23)	Methoxychlor			0.820	0.775	0.708	0.661	0.573	0.560	0.538	0.506	*L	0.998
24)	Mirex			1.230	1.171	1.087	0.989	0.833	0.812	0.776	0.752	*L	0.998
25)	Endosulfan Su...		1.311	1.244	1.196	1.109	1.043	0.963	0.966	0.953		*L	0.999

Response Factor Report PEST 20

Method Path : I:\PEST\Pest20\2024\240722ical\
Method File : pest20_2024_07_22_ugL_ICAL.m
Title : pest
Last Update : Tue Jul 23 14:34:40 2024
Response Via : Initial Calibration

Calibration Files
1 =20240722i-03.D 2 =20240722i-04.D 3 =20240722i-22.D 4 =20240722i-23.D 5 =20240722i-16.D
7 =20240722i-24.D 8 =20240722i-25.D 9 =20240722i-26.D 10 =20240722i-20.D 11 =20240722i-12.D

		Compound	1	2	3	4	5	7	8	9	10	11	Avg		%RSD
26)		Endrin Ketone	1.393	1.333	1.297	1.209	1.171	1.097	1.101	1.082	1.042		1.192		10.45
27)	s	Decachlorobip...			1.277	1.205	1.140	1.071	0.916	0.898	0.859			*L	0.999
1															
28)	i	1-br-2-nb_Chlordane	----------ISTD----------												
29)	l1	chlordane-1			0.050	0.049	0.043	0.037	0.035	0.032				*L	0.996
3															
30)	l1	chlordane-3			0.064	0.065	0.053	0.045	0.042	0.037				*L	0.992
9															
31)	l1	chlordane-4			0.189	0.175	0.150	0.141	0.137	0.126				*L	0.997
6															
32)	l1	chlordane-5			0.150	0.139	0.119	0.111	0.107	0.098				*L	0.997
2															
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------												
34)	l2	toxaphene-1			0.022	0.026		0.022	0.022	0.021				*L	0.998
7															
35)	l2	toxaphene-2			0.035	0.038		0.033	0.032	0.031				*L	0.999
1															
36)	l2	toxaphene-4			0.042	0.043		0.038	0.037	0.036				*L	0.999
4															
37)	l2	toxaphene-5			0.045	0.042		0.036	0.035	0.034				*L	0.999
5															

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 17:57
Operator : pest20:ejl
Sample : pem20240722i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG1950439,
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:37:13 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:34:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	2.009	2.064	51188141	81824613	25.000M4	25.000
	System Monitoring Compounds						
	Target Compounds						
15)	4,4'-DDE	4.804	5.475	370747	550393	0.136	0.141
18)	Endrin	5.353	5.913	110.2E6	171.9E6	41.654	44.313
19)	4,4'-DDD	5.444	6.020	466697	574327	0.210	0.179
21)	4,4'-DDT	5.712	6.288	196.4E6	316.8E6	91.145	87.225
22)	Endrin Aldeh	5.966	6.390	287216	248230	N.D.	N.D.
26)	Endrin Keton	6.566	7.031	1458392	2156015	0.559	0.553
	Sum chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

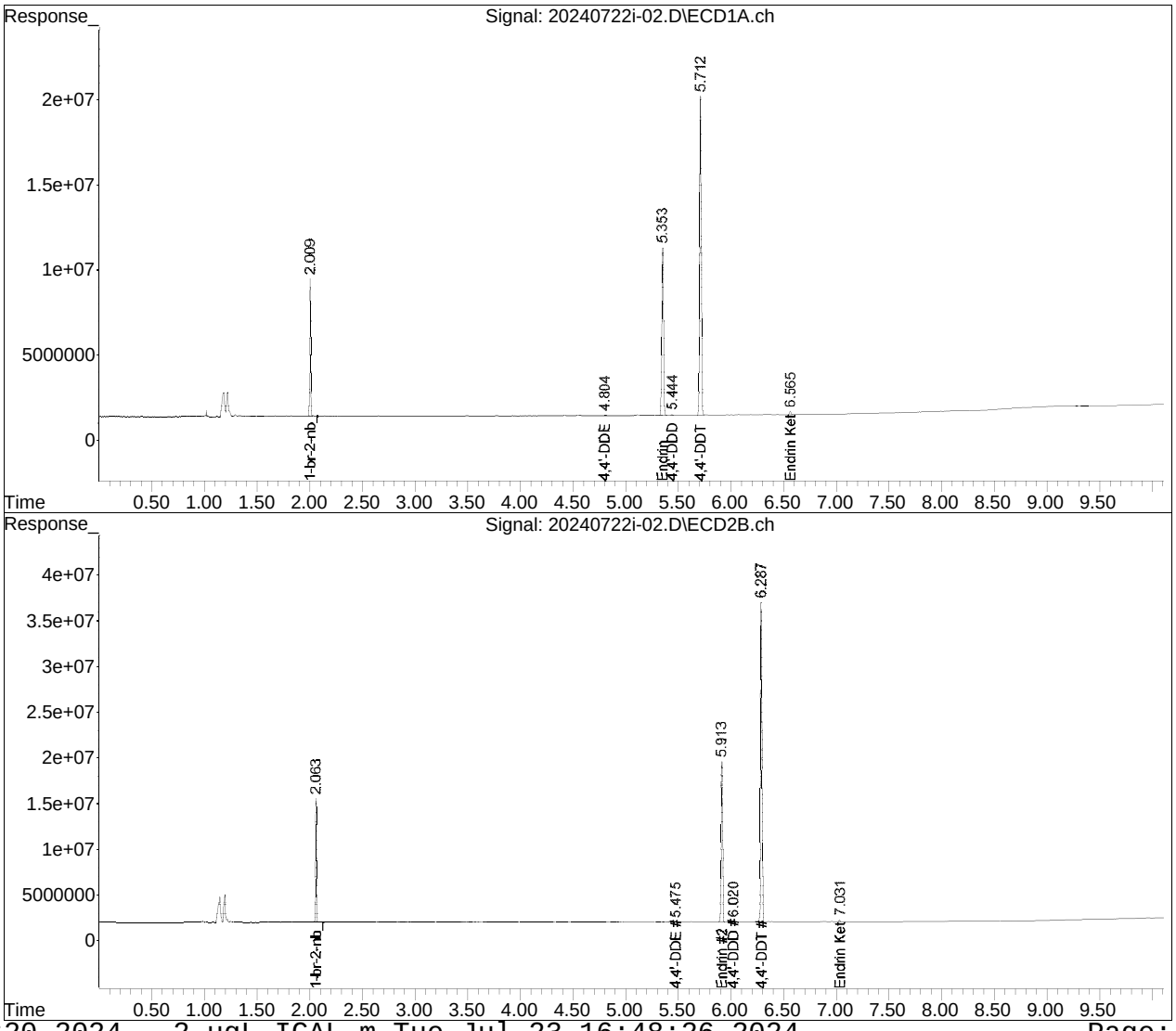
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 17:57
Operator : pest20:ejl
Sample : pem20240722i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (
Misc : WG1950439,
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:37:13 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:34:40 2024
Response via : Initial Calibration
Integrator: ChemStation

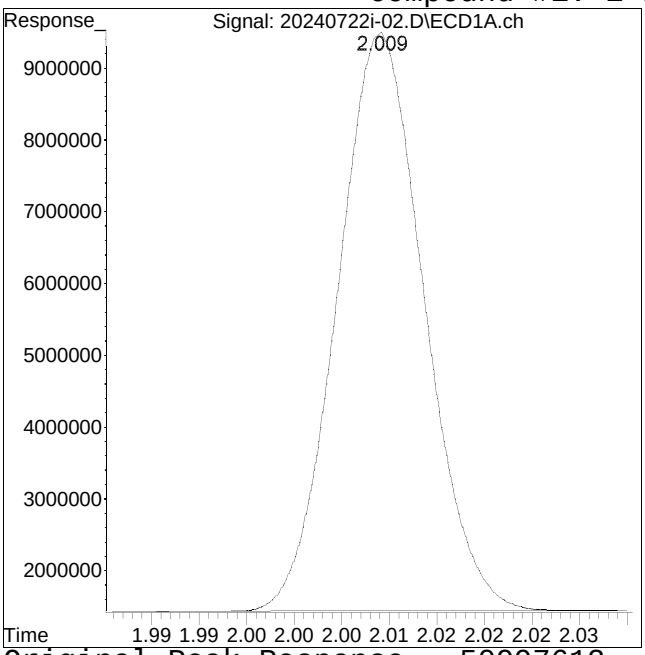
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



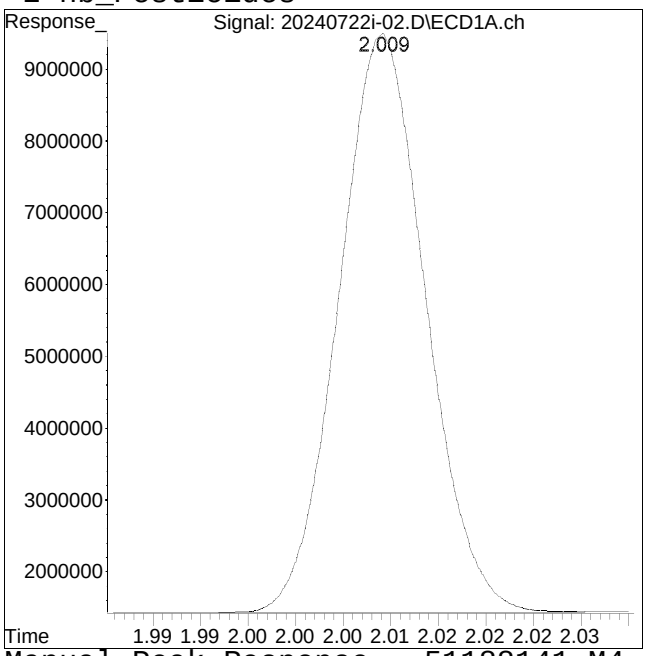
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-02.D
Date Inj'd : 7/22/2024 17:57
Sample : pem20240722i-01,42e,,pp 11
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:37 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 50997612



Manual Peak Response = 51188141 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:09
Operator : pest20:ejl
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:53:09 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:52:59 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	2.006	2.062	52058251	82759009	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	3.107	3.476	1972592	2965760	0.637M3	0.621M4
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:09
Operator : pest20:ejl
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:53:09 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:52:59 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

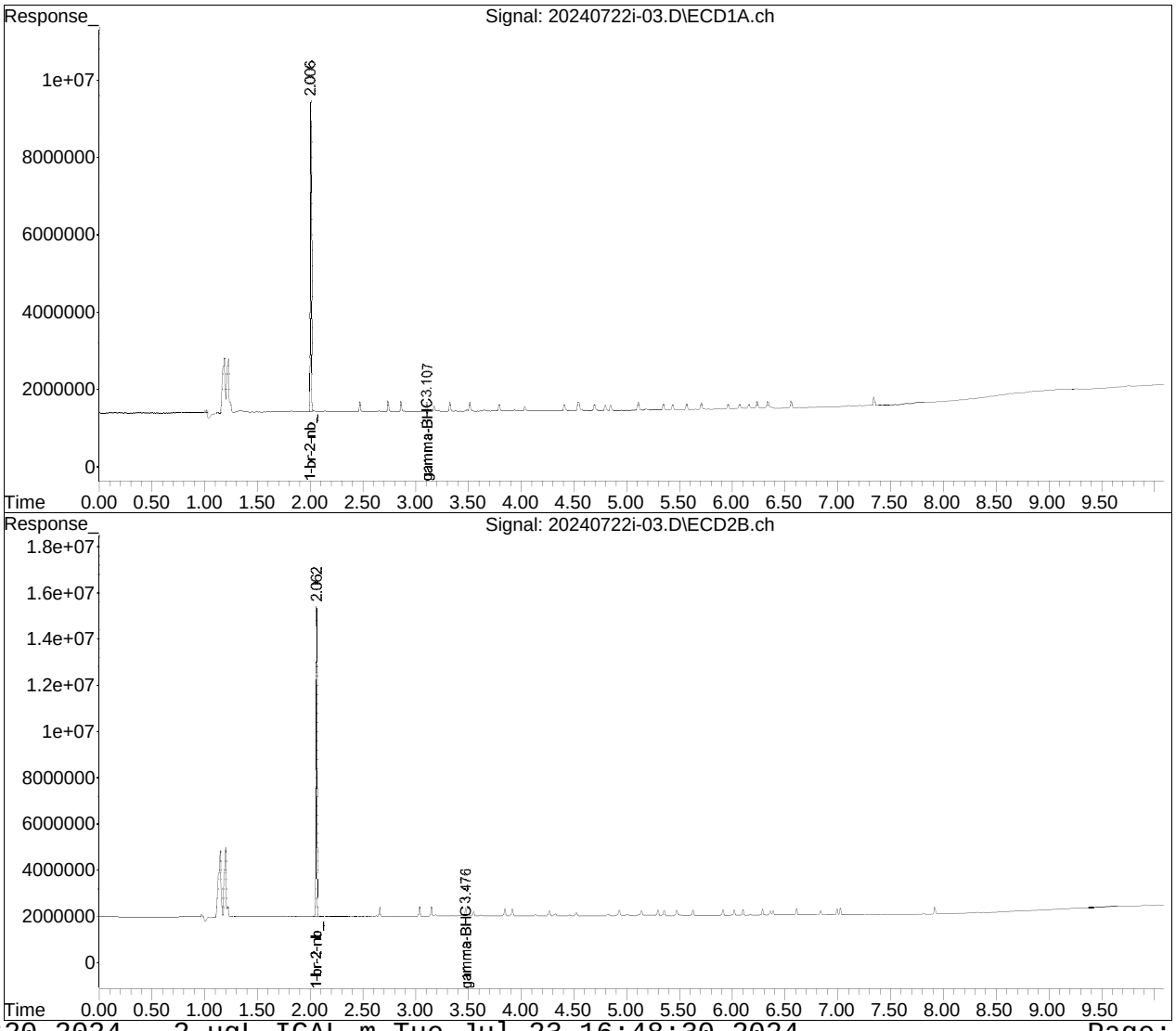
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:09
Operator : pest20:ejl
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:53:09 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:52:59 2024
Response via : Initial Calibration
Integrator: ChemStation

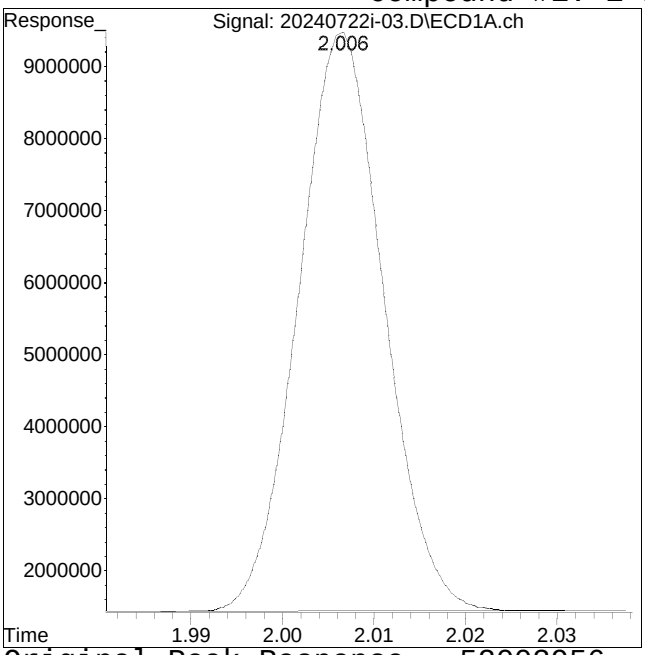
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

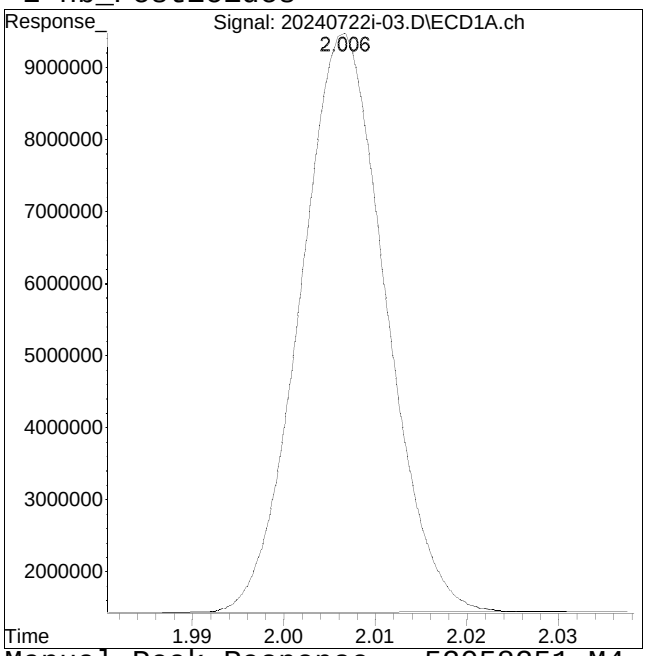


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-03.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:09 Instrument : PEST 20
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 7/23/2024 1:53 pm

Compound #1: 1-br-2-nb_Pesticides



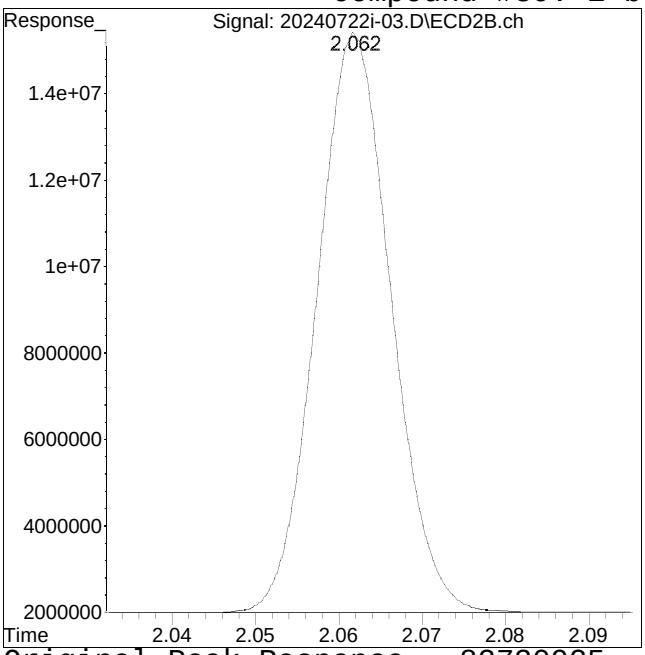


Original Peak Response = 52003956 Manual Peak Response = 52058251 M4
M4 = Poor automated baseline construction.

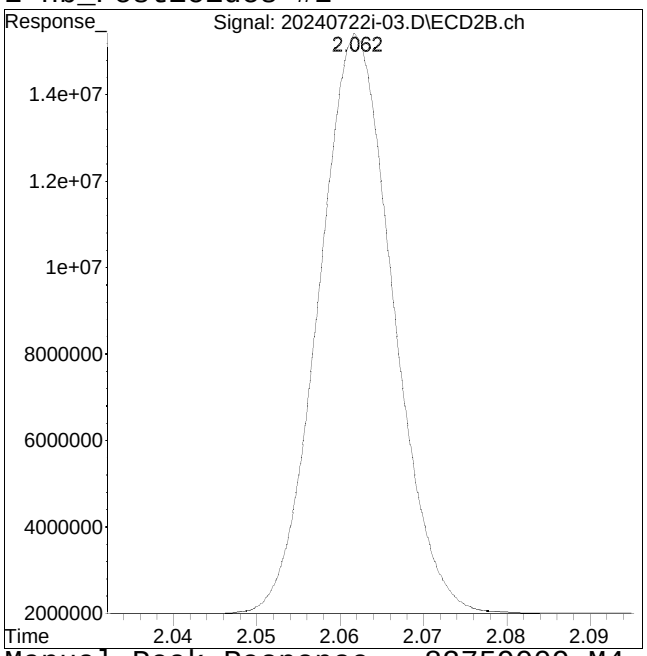
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-03.D
Date Inj'd : 7/22/2024 18:09
Sample : il1pest,42e,,pp 11687 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:53 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 82730925



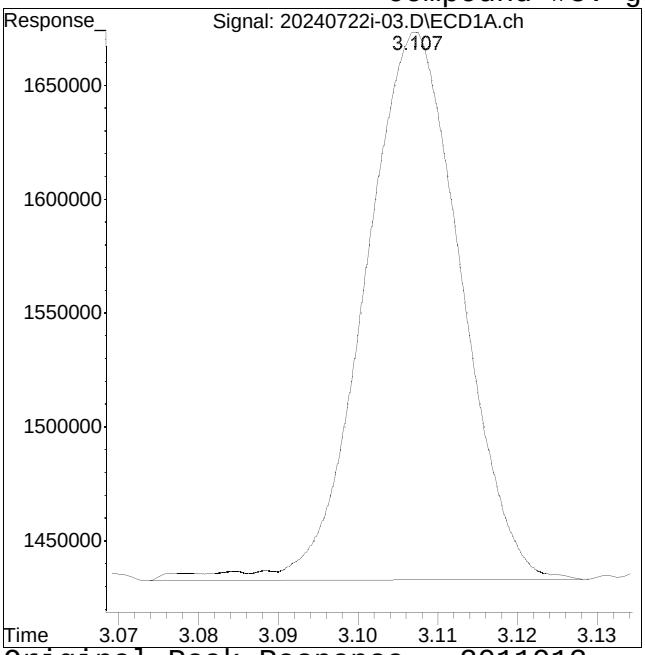
Manual Peak Response = 82759009 M4

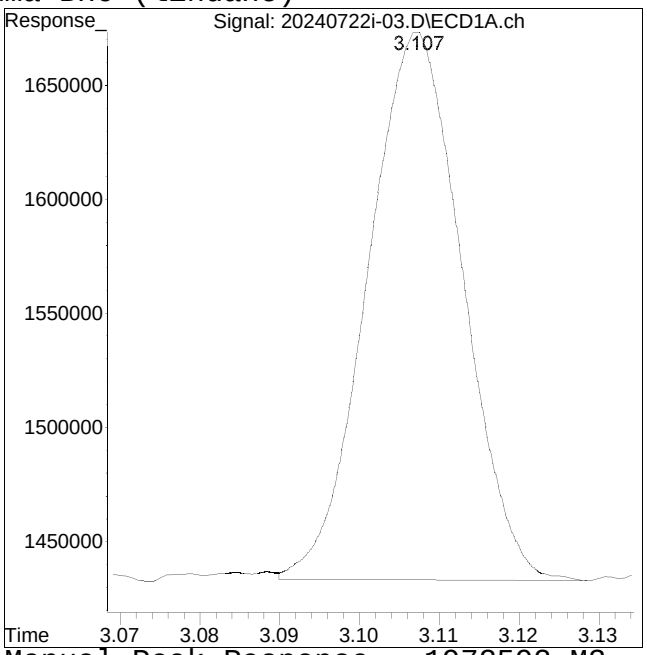
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-03.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:09 Instrument : PEST 20
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 7/23/2024 1:53 pm

Compound #5: gamma-BHC (lindane)



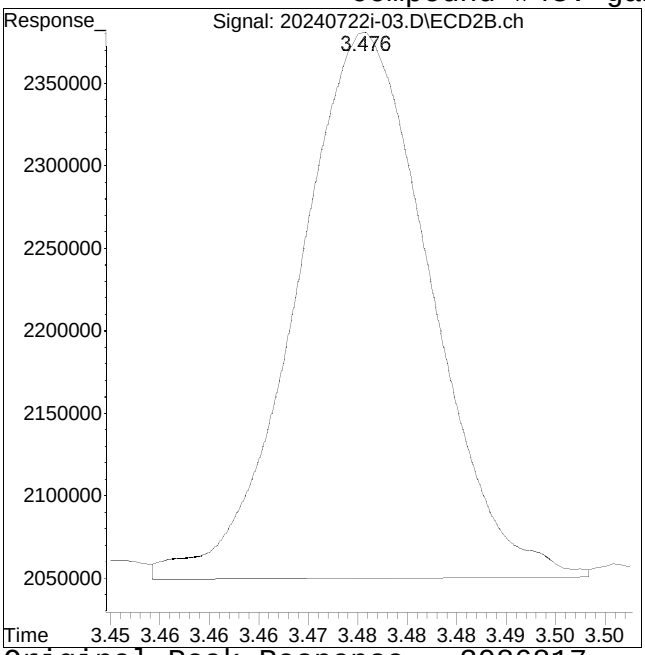


Original Peak Response = 2011913 Manual Peak Response = 1972592 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

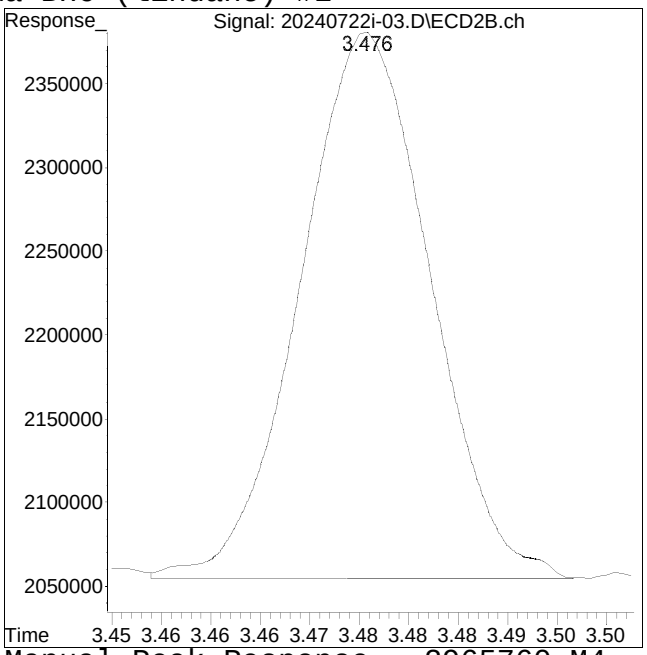
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-03.D
Date Inj'd : 7/22/2024 18:09
Sample : il1pest,42e,,pp 11687 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:53 pm

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 3086817



Manual Peak Response = 2965760 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:21
Operator : pest20:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:37:56 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:34:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	2.007	2.063	52121802	83371117	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.473	2.663	3428155	4836518	1.317	1.214M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.63%#	2.43%#
27) s	Decachlorobi	7.340	7.912	3509553	4320496	1.320	1.266
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.64%#	2.53%#
	Target Compounds						
3)	Hexachlorobe	2.740	3.040	3838035	5553450	1.366	1.310
4)	alpha-BHC	2.863	3.152	3721675	5447511	1.144	1.074
5)	gamma-BHC (l	3.107	3.476	3620042	5392963	1.192	1.139
6)	beta-BHC	3.175	3.551	2064185	3101821	1.333	1.303
7)	delta-BHC	3.325	3.848	3535125	5363108	1.169	1.131
8)	Heptachlor	3.513	3.917	3812261	5585182	1.260	1.224M4
9)	Aldrin	3.792	4.267	3375781	4775686	1.185	1.148
10)	Alachlor	3.934	4.141	563696	844073	1.134M3	1.212M4
11)	Chlorpyrifos	4.035	4.524	2202614	3333449	1.385	1.351
12)	Heptachlor E	4.408	4.929	3448784	5108150	1.262M4	1.240M4
13)	gamma-Chlord	4.544	5.141	3405851	4467567	1.323	1.229M4
14)	alpha-Chlord	4.694	5.296	3557567	4880439	1.262	1.211M4
15)	4,4'-DDE	4.795	5.474	3118656	4422257	1.140	1.127
16)	Endosulfan I	4.846	5.354	3156206	4525446	1.232	1.204

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:21
Operator : pest20:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:37:56 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:34:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17)	Dieldrin	5.109	5.627	3284413	4389875	1.228	1.153
18)	Endrin	5.346	5.911	3119178	4484121	1.181	1.154M3
19)	4,4'-DDD	5.434	6.018	2592078	3702948	1.166	1.153M4
20)	Endosulfan I	5.566	6.100	2990654	4377543	1.255M4	1.226M4
21)	4,4'-DDT	5.705	6.286	2987173	4295916	1.222M4	1.185M4
22)	Endrin Aldeh	5.959	6.386	2338904	3425673	1.163M4	1.157M4
23)	Methoxychlor	6.155	6.833	1954955	2812414	1.336M4	1.312M4
24)	Mirex	6.235	6.990	3110523	4422850	1.367	1.387
25)	Endosulfan S	6.334	6.608	3112962	4372639	1.336M3	1.249
26)	Endrin Keton	6.557	7.022	3220376	4644190	1.244M4	1.194
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:21
Operator : pest20:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:37:56 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:34:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

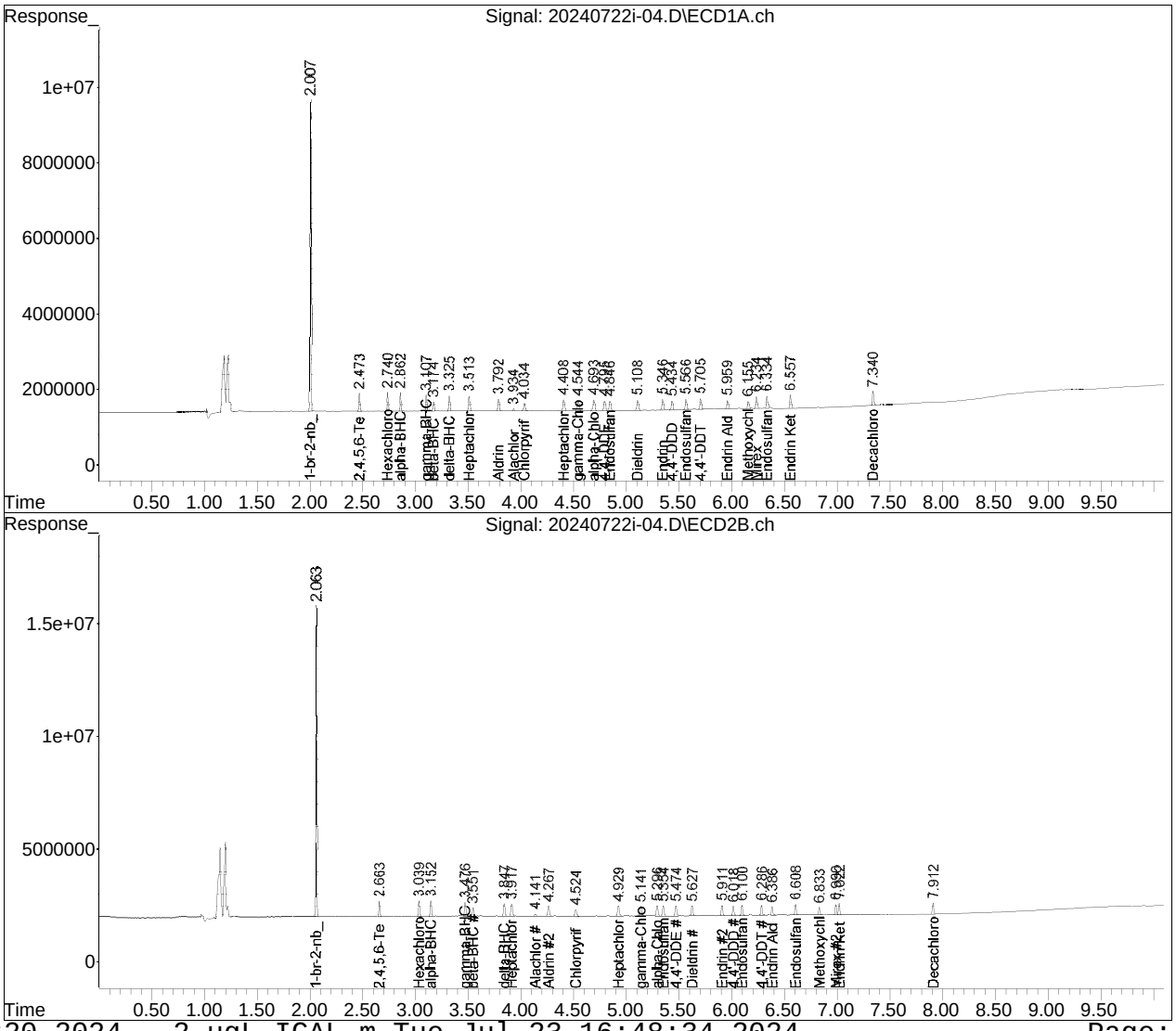
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:21
Operator : pest20:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:37:56 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:34:52 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

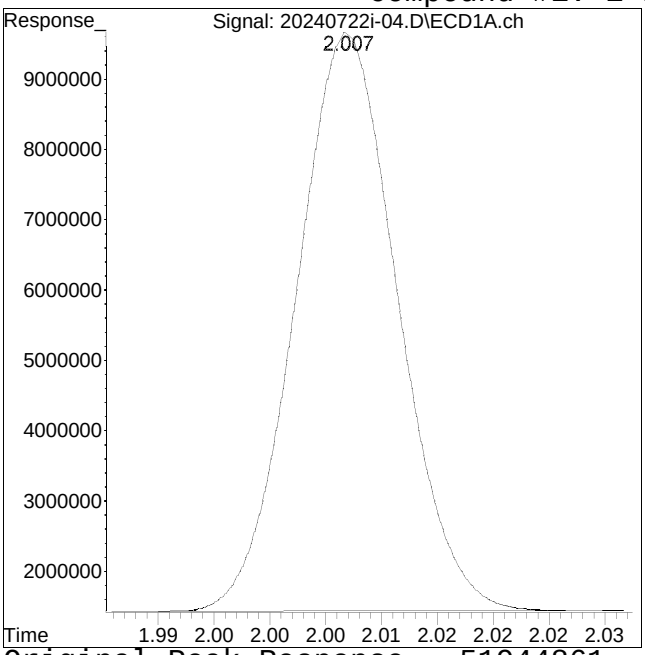


Manual Integration Report

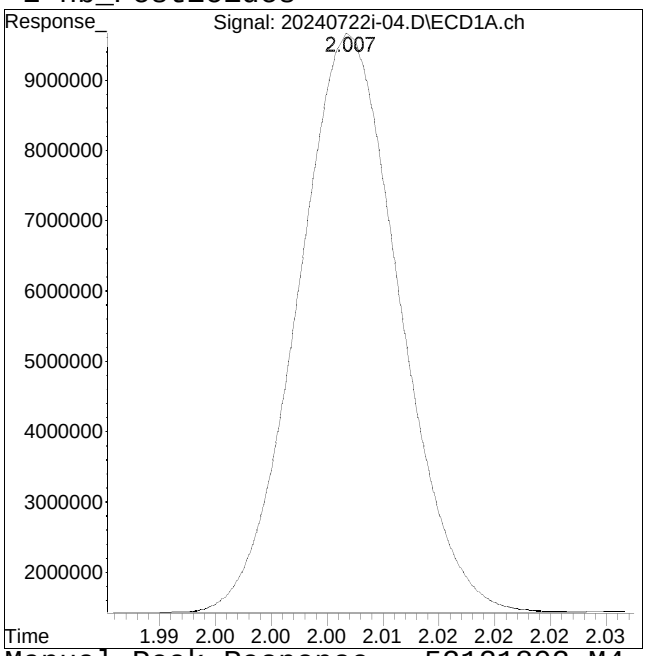
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 51944861



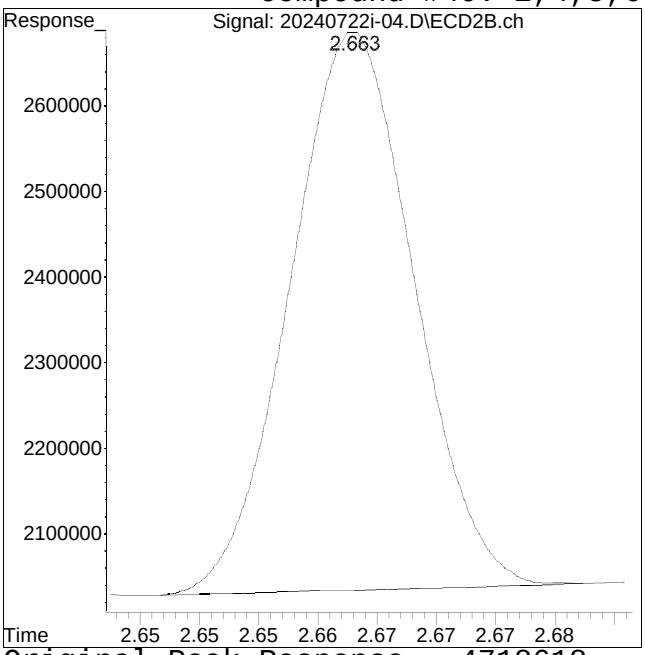
Manual Peak Response = 52121802 M4

M4 = Poor automated baseline construction.

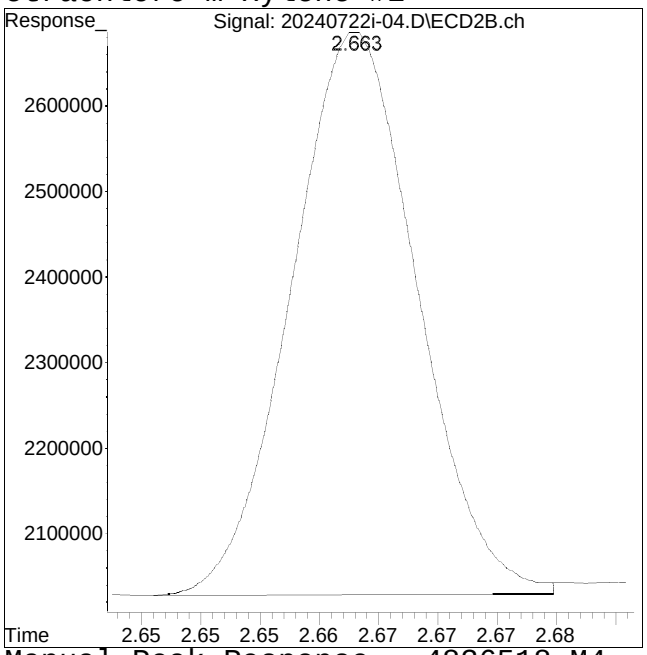
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 4718618



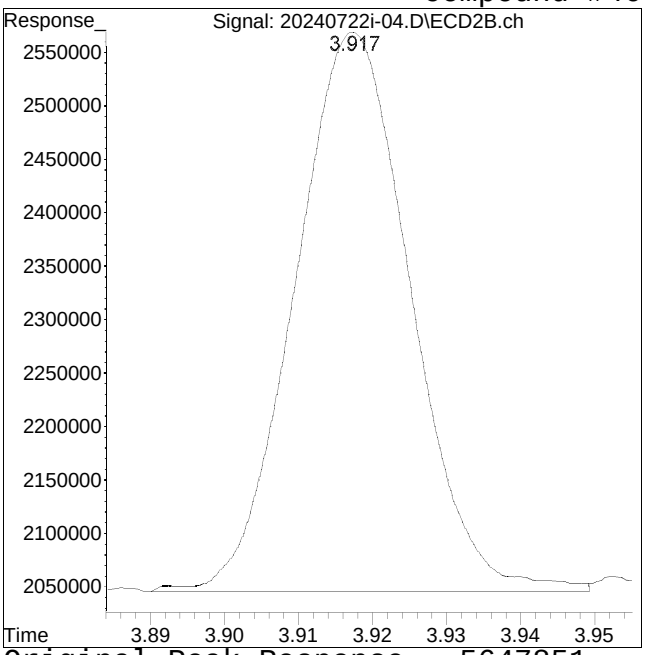
Manual Peak Response = 4836518 M4

M4 = Poor automated baseline construction.

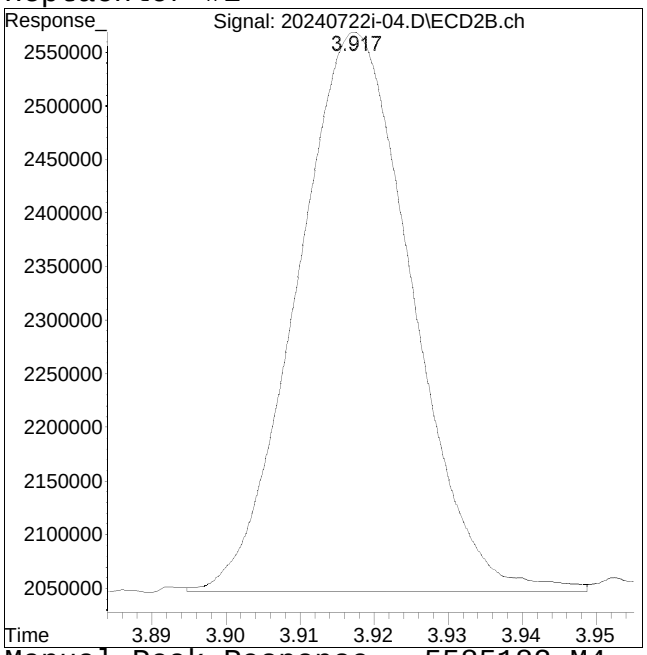
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #46: Heptachlor #2



Original Peak Response = 5647851



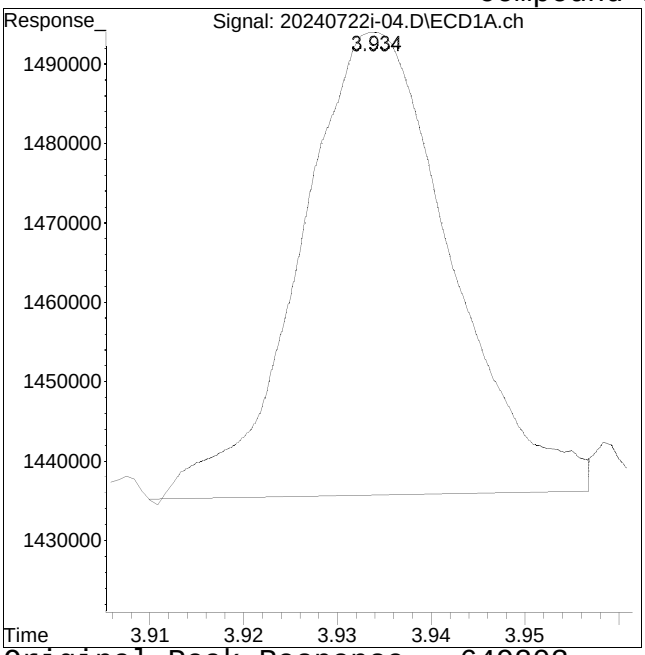
Manual Peak Response = 5585182 M4

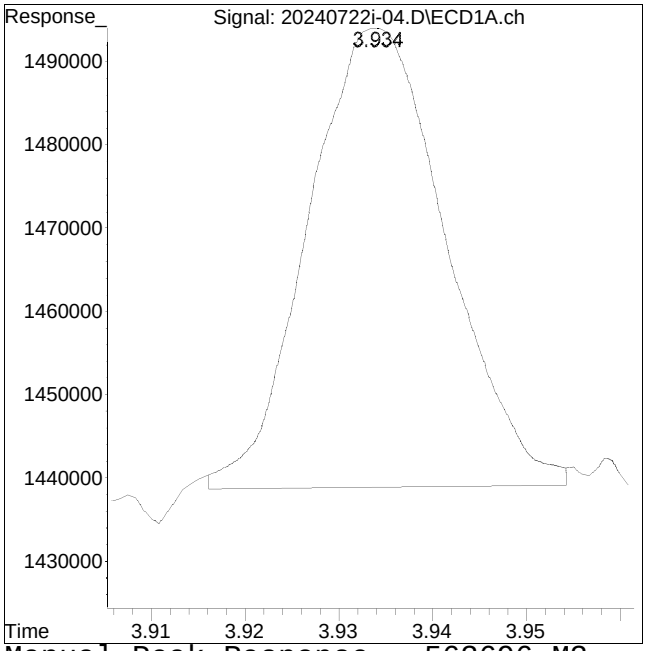
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-04.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:21 Instrument : PEST 20
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/23/2024 1:37 pm

Compound #10: Alachlor





Original Peak Response = 649203 Manual Peak Response = 563696 M3

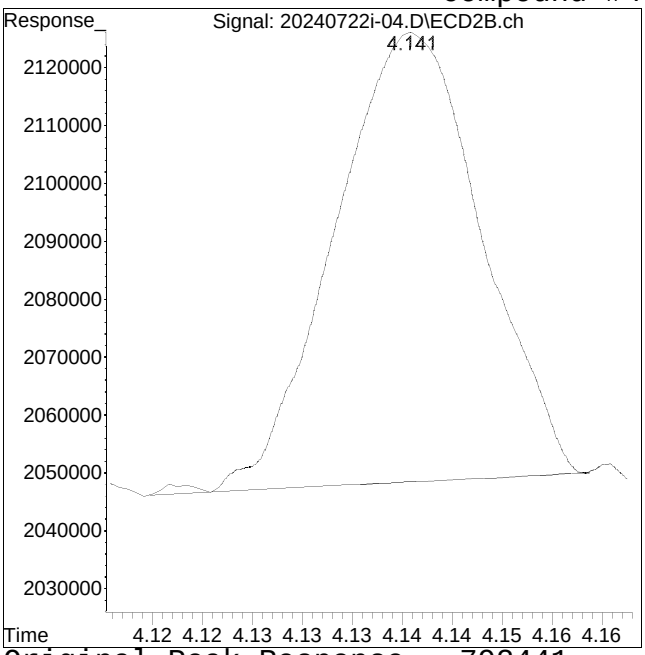
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

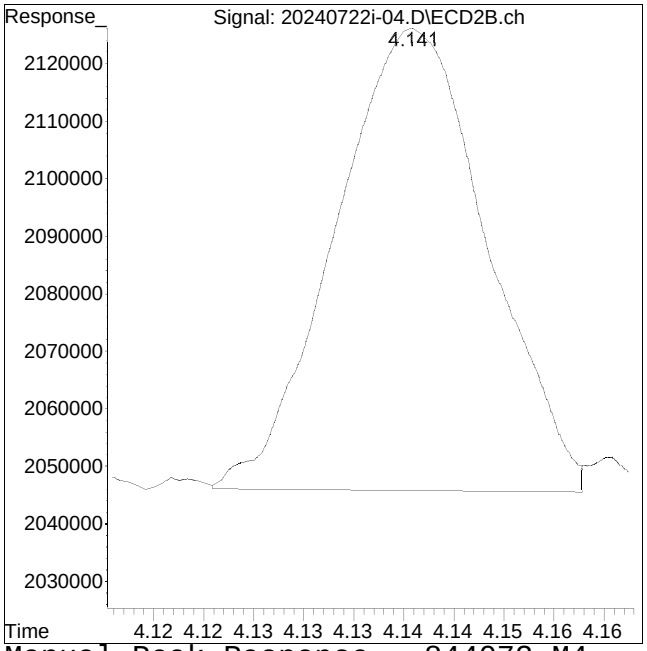
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #48: Alachlor #2



Original Peak Response = 792441



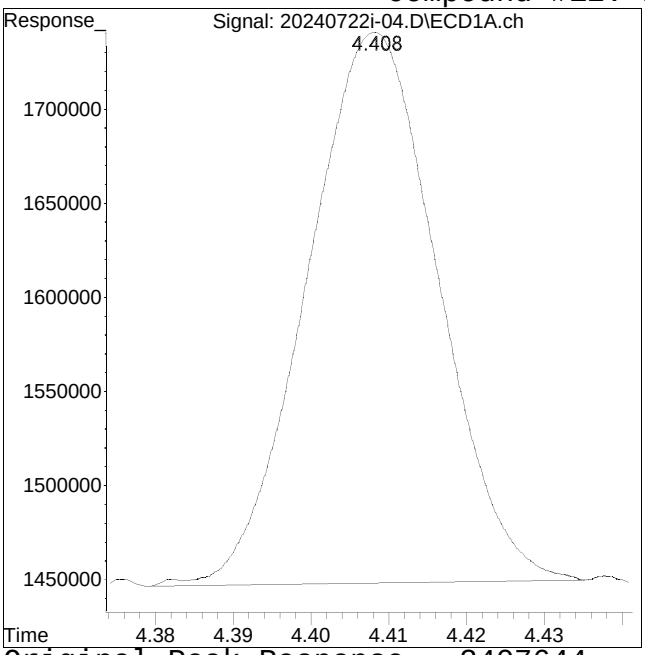
Manual Peak Response = 844073 M4

M4 = Poor automated baseline construction.

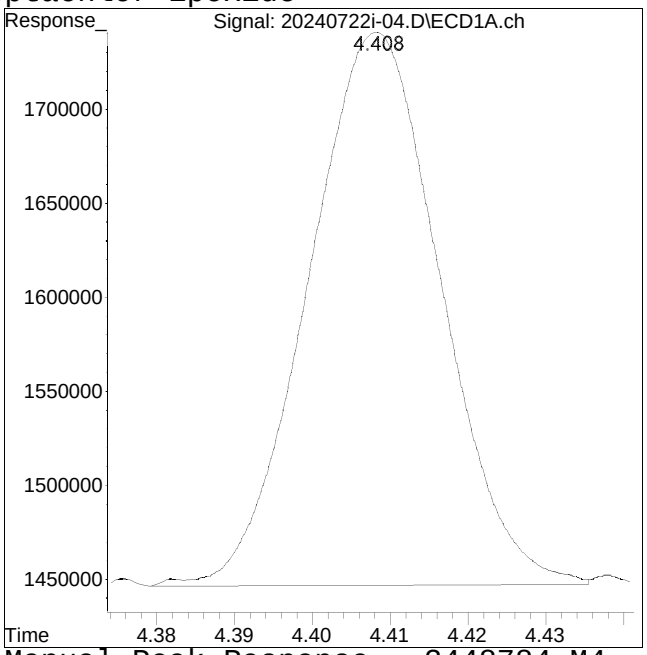
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #12: Heptachlor Epoxide



Original Peak Response = 3407644



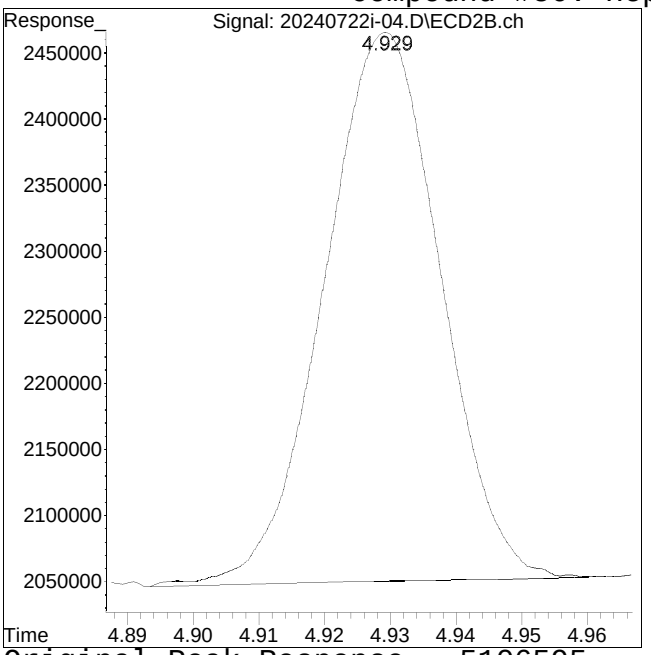
Manual Peak Response = 3448784 M4

M4 = Poor automated baseline construction.

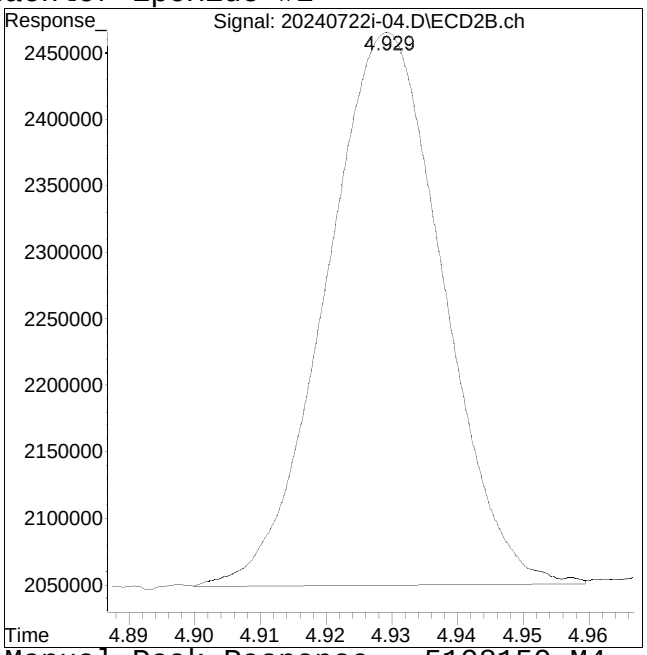
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 5106595



Manual Peak Response = 5108150 M4

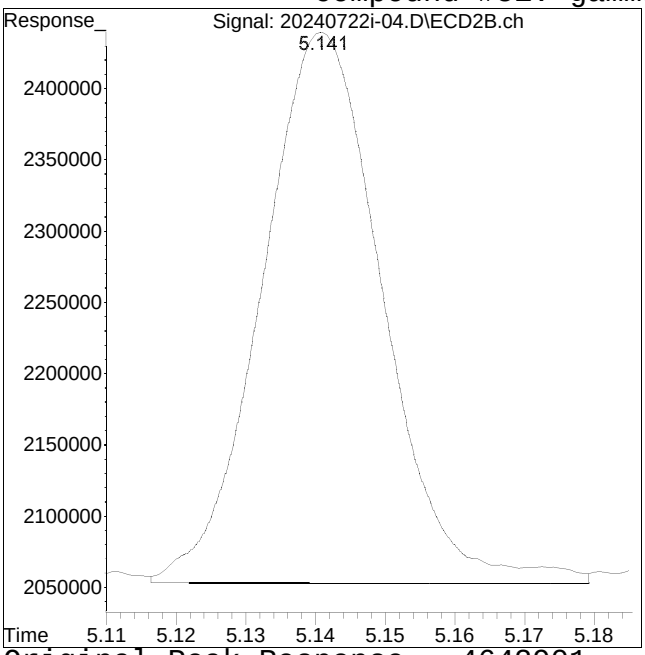
M4 = Poor automated baseline construction.

Manual Integration Report

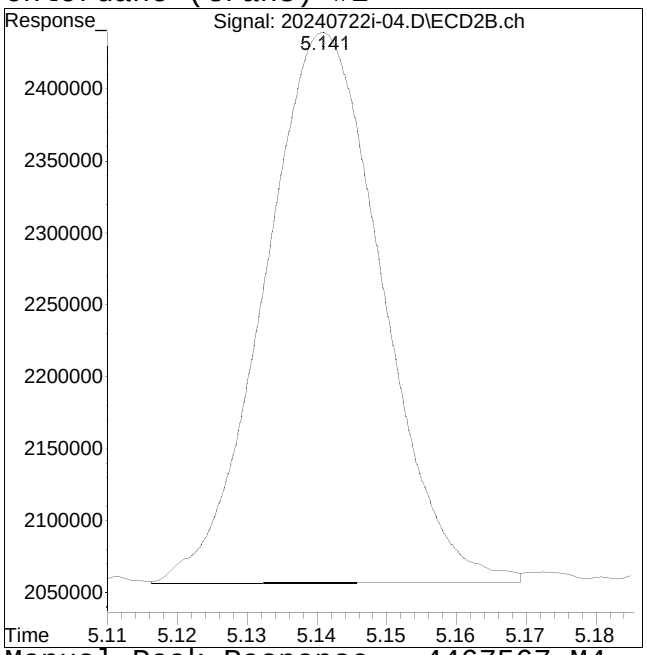
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 4642901



Manual Peak Response = 4467567 M4

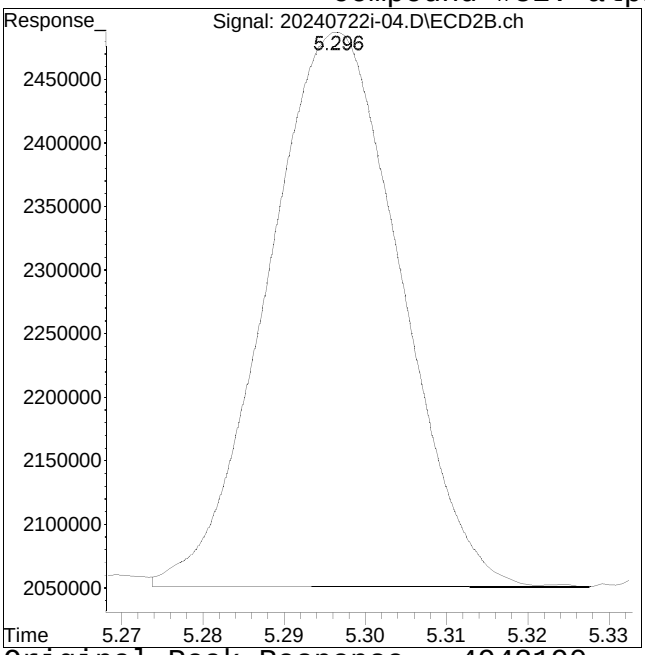
M4 = Poor automated baseline construction.

Manual Integration Report

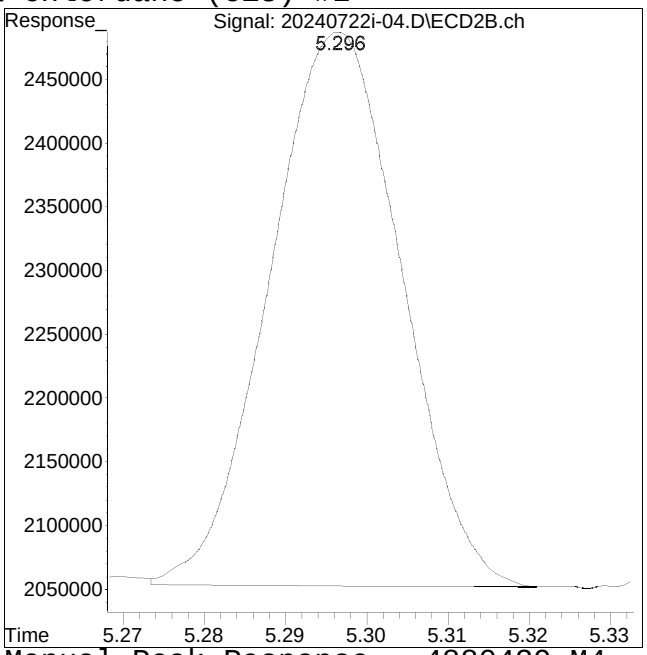
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 4942190



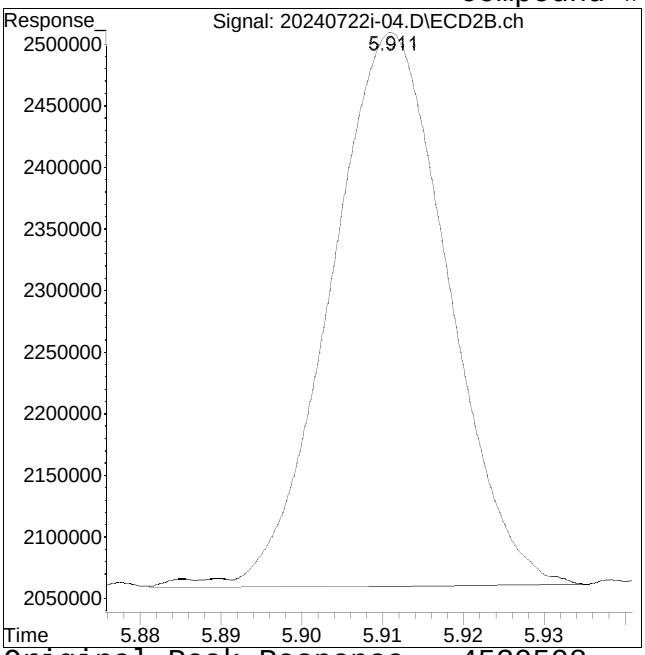
Manual Peak Response = 4880439 M4

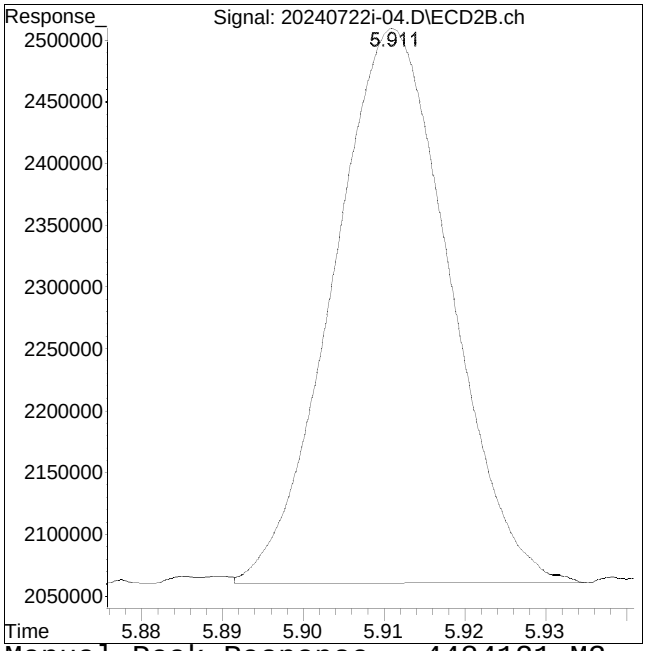
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-04.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:21 Instrument : PEST 20
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/23/2024 1:37 pm

Compound #56: Endrin #2



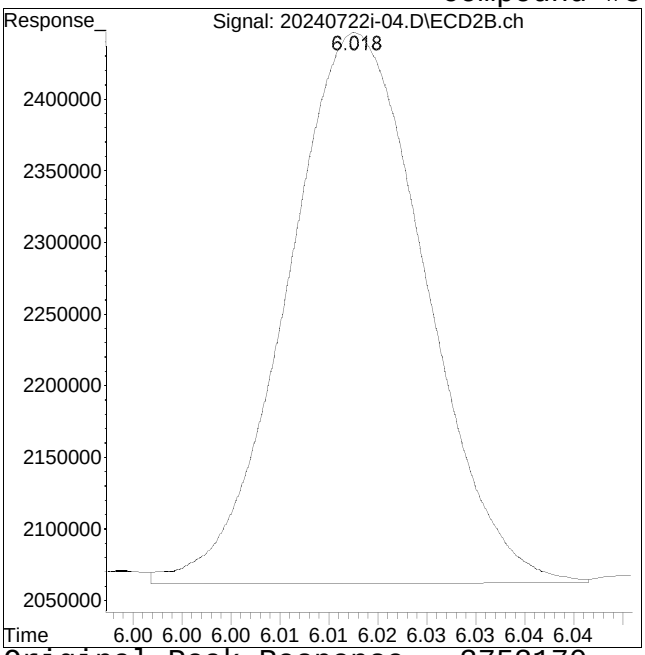


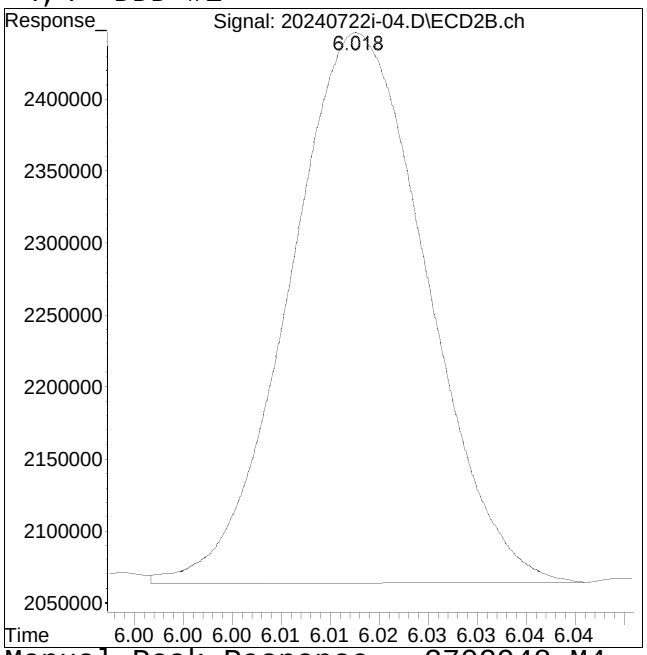
Original Peak Response = 4530508 Manual Peak Response = 4484121 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-04.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:21 Instrument : PEST 20
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/23/2024 1:37 pm

Compound #57: 4,4'-DDD #2



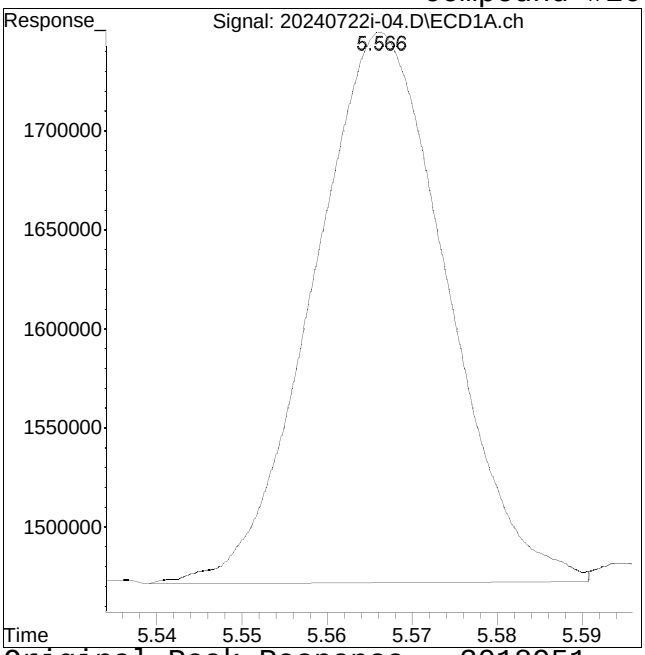


Original Peak Response = 3753170 Manual Peak Response = 3702948 M4
M4 = Poor automated baseline construction.

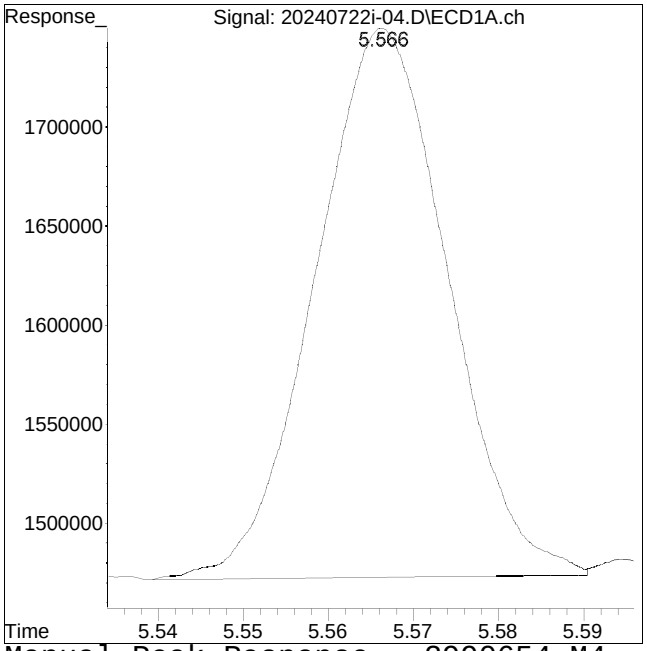
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-04.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:21 Instrument : PEST 20
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/23/2024 1:37 pm

Compound #20: Endosulfan II



Original Peak Response = 3018951



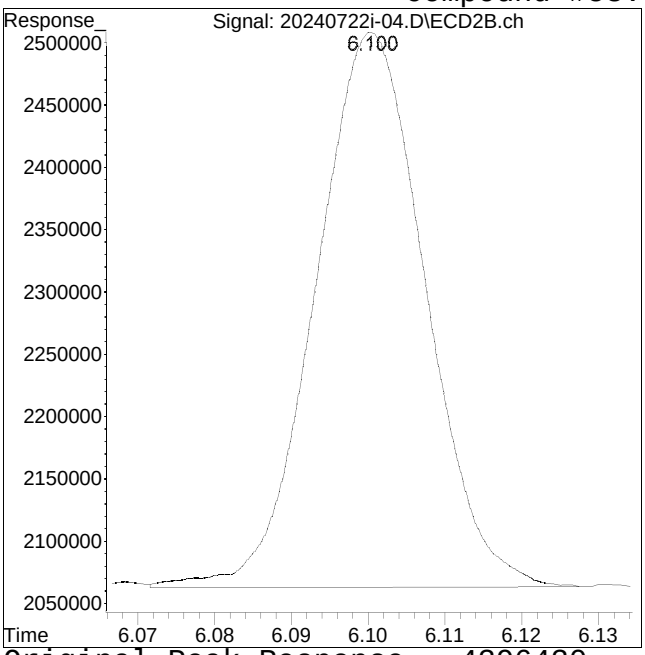
Manual Peak Response = 2990654 M4

M4 = Poor automated baseline construction.

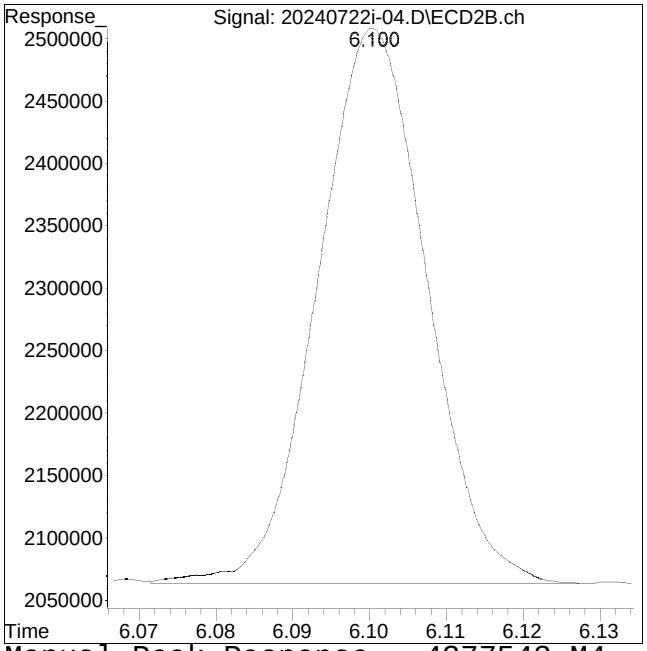
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-04.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:21 Instrument : PEST 20
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/23/2024 1:37 pm

Compound #58: Endosulfan II #2



Original Peak Response = 4396430



Manual Peak Response = 4377543 M4

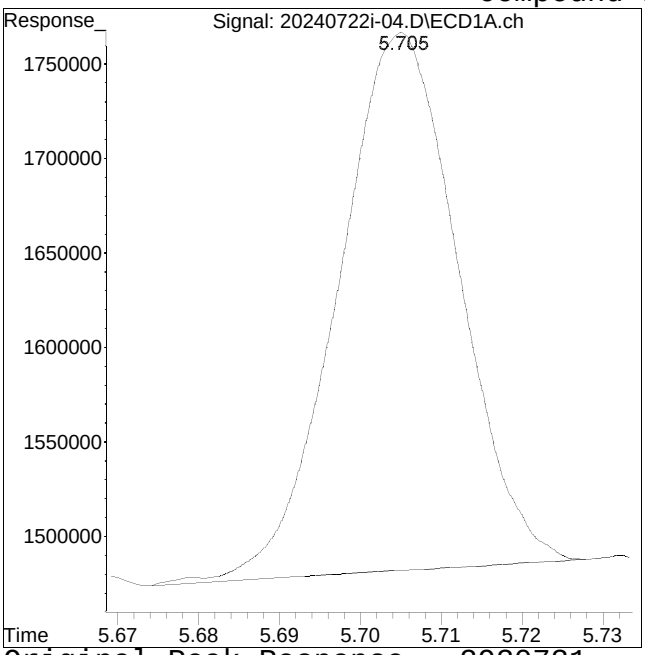
M4 = Poor automated baseline construction.

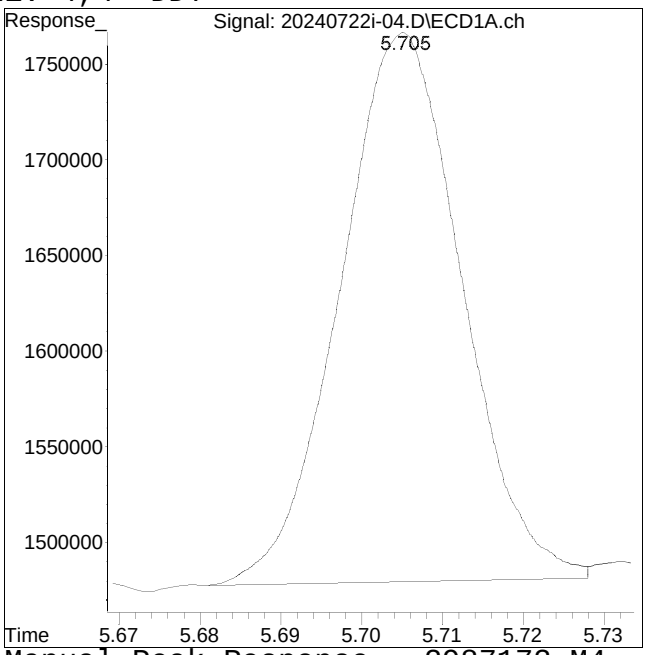
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #21: 4,4'-DDT



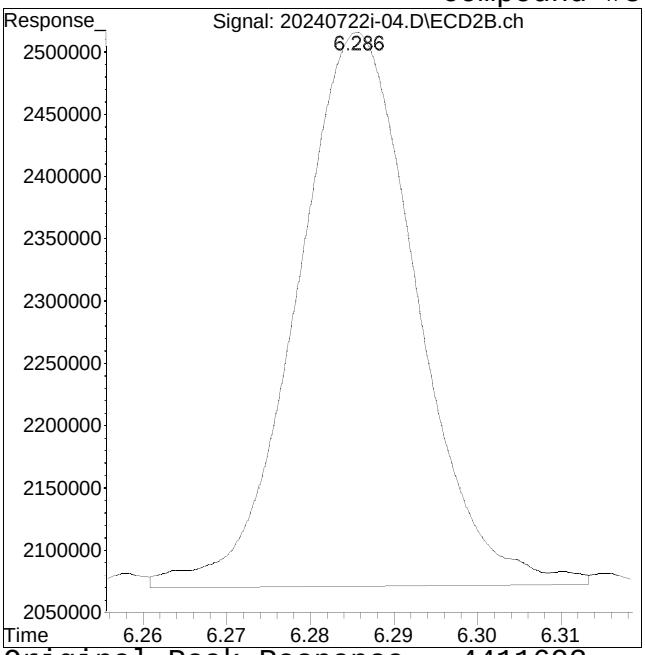


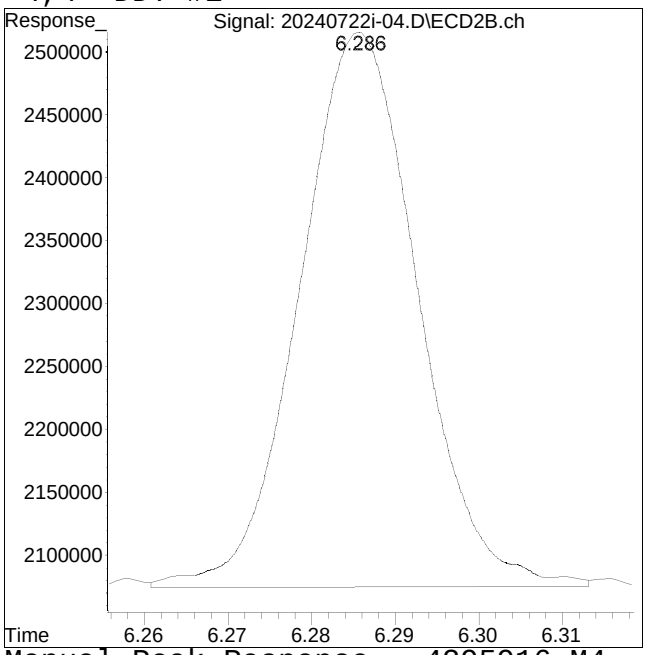
Original Peak Response = 2930731 Manual Peak Response = 2987173 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-04.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:21 Instrument : PEST 20
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/23/2024 1:37 pm

Compound #59: 4,4'-DDT #2



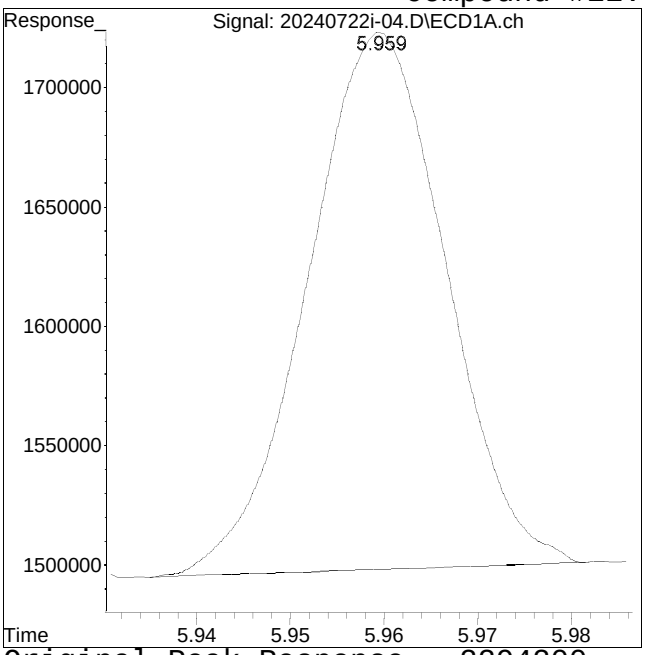


Original Peak Response = 4411693 Manual Peak Response = 4295916 M4
M4 = Poor automated baseline construction.

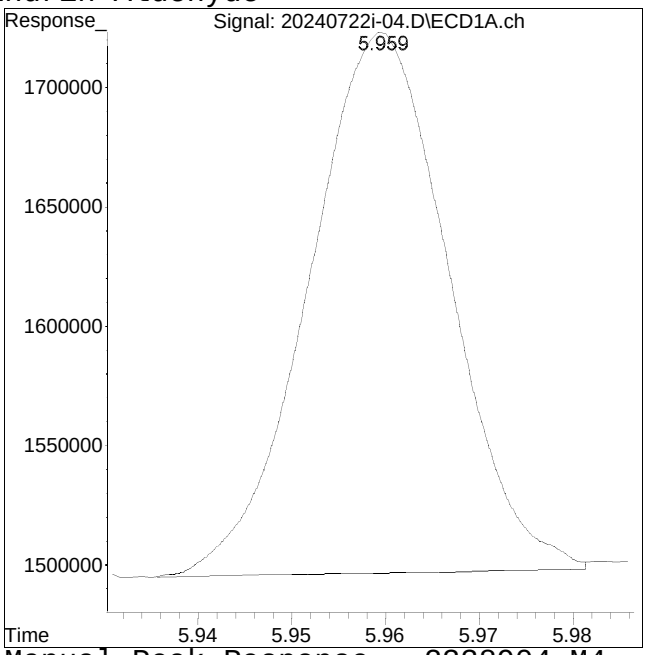
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-04.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:21 Instrument : PEST 20
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/23/2024 1:37 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 2294200



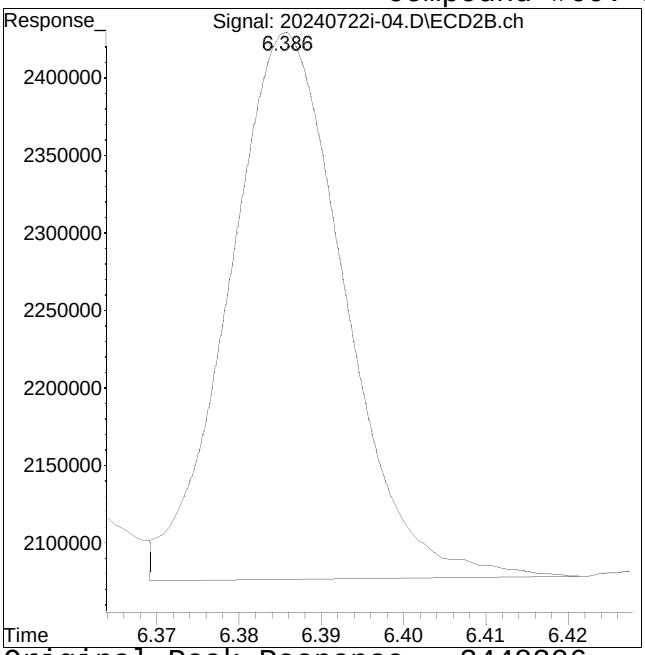
Manual Peak Response = 2338904 M4

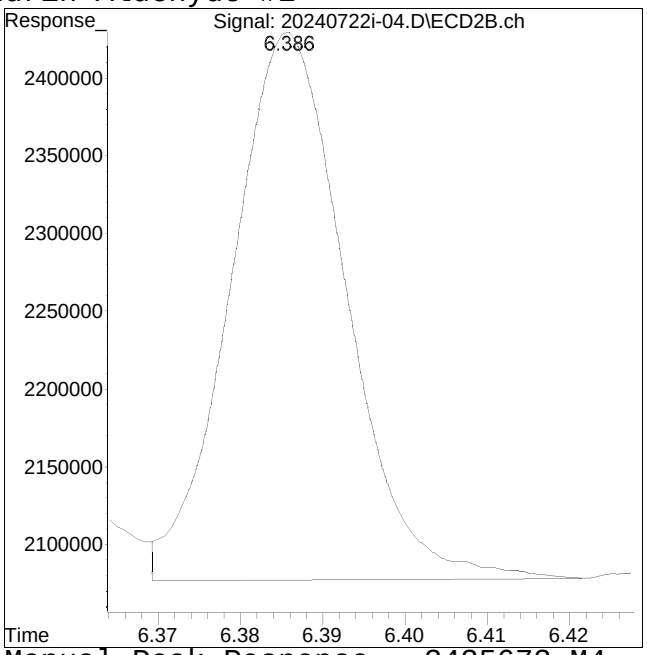
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-04.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:21 Instrument : PEST 20
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/23/2024 1:37 pm

Compound #60: Endrin Aldehyde #2





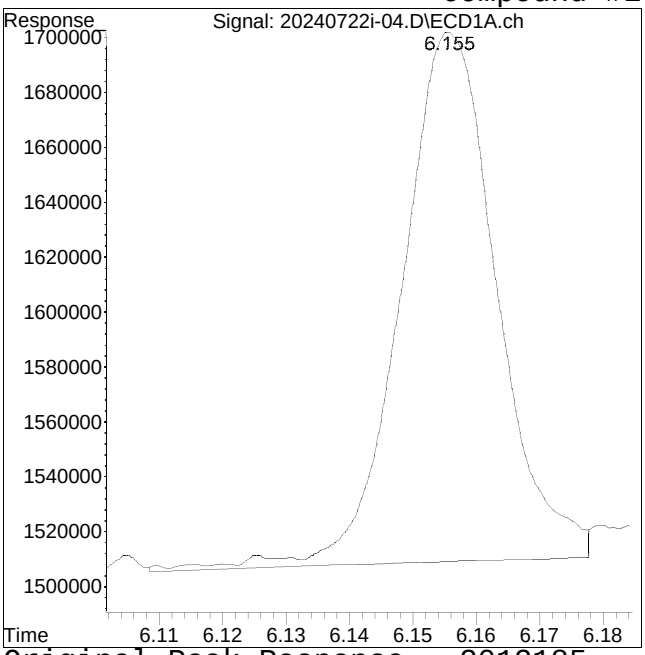
Original Peak Response = 3448206 Manual Peak Response = 3425673 M4
M4 = Poor automated baseline construction.

Manual Integration Report

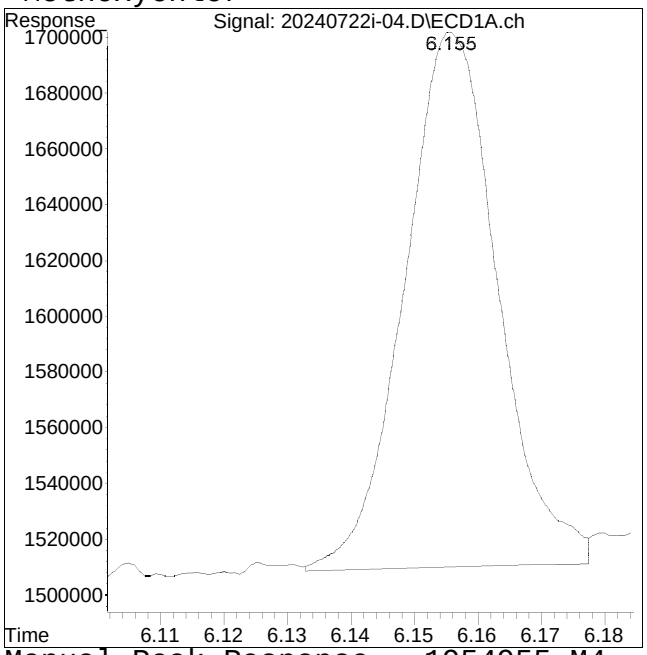
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #23: Methoxychlor



Original Peak Response = 2012185



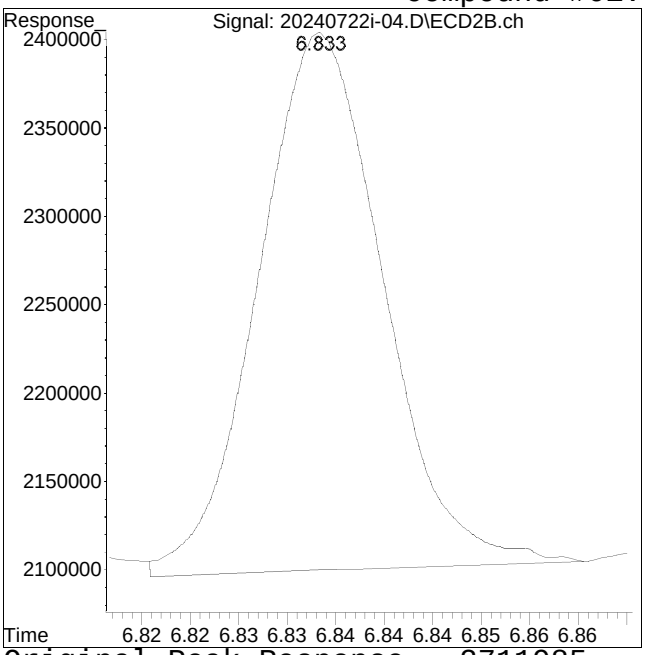
Manual Peak Response = 1954955 M4

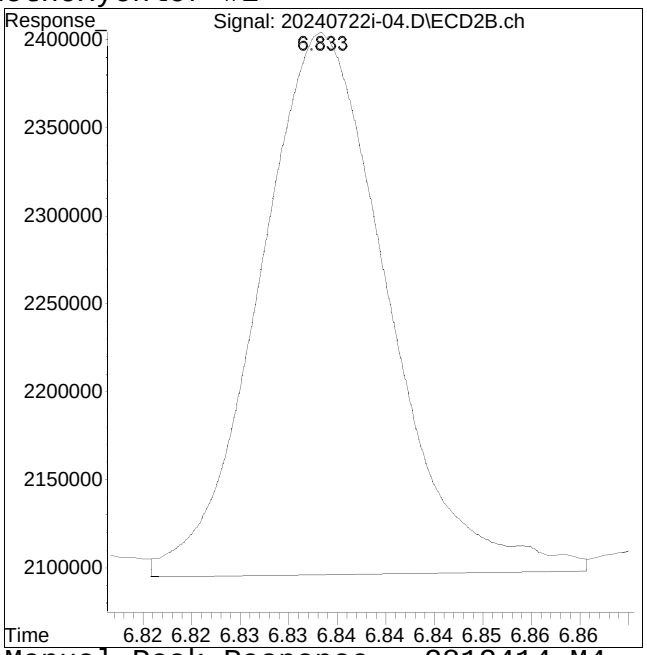
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-04.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:21 Instrument : PEST 20
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 7/23/2024 1:37 pm

Compound #61: Methoxychlor #2



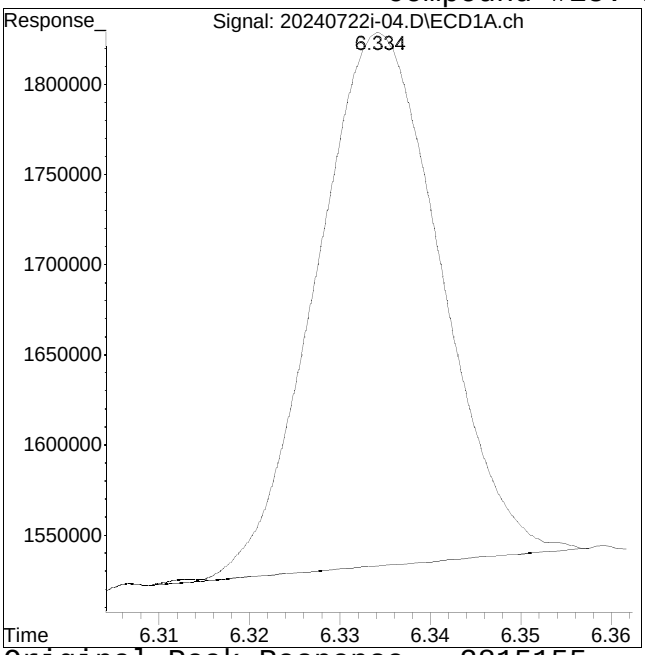


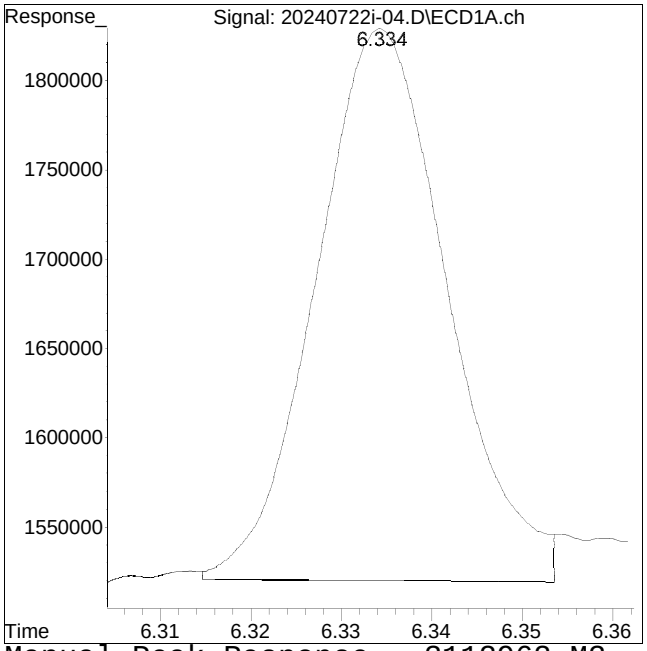
Original Peak Response = 2711985 Manual Peak Response = 2812414 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #25: Endosulfan Sulfate





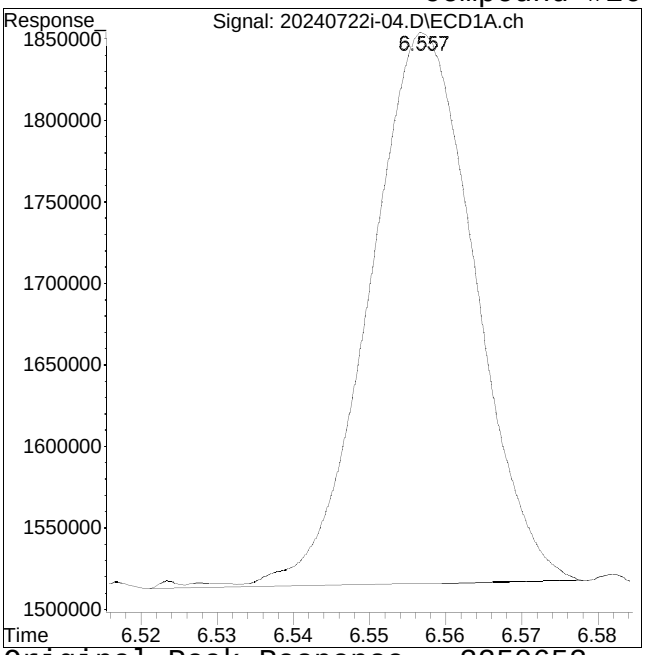
Original Peak Response = 2815155 Manual Peak Response = 3112962 M3

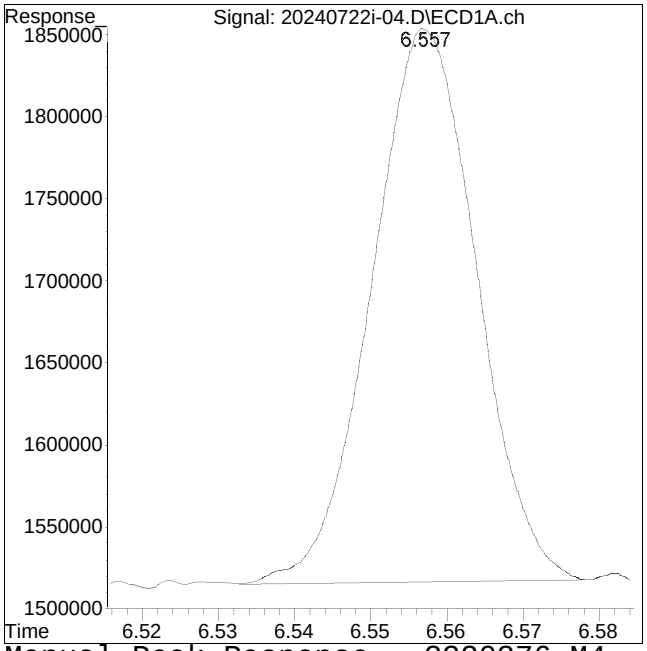
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-04.D
Date Inj'd : 7/22/2024 18:21
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:37 pm

Compound #26: Endrin Ketone





Original Peak Response = 3250653 Manual Peak Response = 3220376 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:34
Operator : pest20:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:27:40 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:25:14 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	2.005	2.062	48735044	76957213	25.000M3	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.472	2.662	5844317	8382939	2.473M4	2.325M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		4.95%#	4.65%#
27) s	Decachlorobi	7.338	7.908	6481426	7862368	2.725M4	2.588M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		5.45%#	5.18%#
	Target Compounds						
3)	Hexachlorobe	2.740	3.039	6654660	9475395	2.633	2.496
4)	alpha-BHC	2.862	3.152	6621036	9558533	2.204	2.048
5)	gamma-BHC (l	3.106	3.476	6471039	9388924	2.324M4	2.171M4
6)	beta-BHC	3.174	3.551	3669214	5366541	2.635M4	2.521
7)	delta-BHC	3.325	3.847	6284417	9171184	2.257	2.109
8)	Heptachlor	3.512	3.917	6751099	9575269	2.453M4	2.318M4
9)	Aldrin	3.791	4.267	6025953	8321220	2.306	2.192
10)	Alachlor	3.933	4.141	1082527	1563529	2.394M4	2.524
11)	Chlorpyrifos	4.034	4.524	3806182	5668465	2.686	2.595
12)	Heptachlor E	4.408	4.930	6052397	8733768	2.433	2.347
13)	gamma-Chlord	4.543	5.141	5835288	7677533	2.500M4	2.336M4
14)	alpha-Chlord	4.693	5.296	6295575	8438766	2.458M4	2.313M4

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:34
Operator : pest20:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:27:40 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:25:14 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	4,4'-DDE	4.795	5.474	5694960	7733237	2.262	2.156M4
16)	Endosulfan I	4.846	5.354	5601683	7892738	2.396	2.320
17)	Dieldrin	5.108	5.627	5814648	7656818	2.381M4	2.207M4
18)	Endrin	5.345	5.911	5693177	7879108	2.357M4	2.228
19)	4,4'-DDD	5.434	6.018	4752942	6488630	2.333	2.219
20)	Endosulfan I	5.565	6.100	5300800	7578215	2.446M4	2.349M4
21)	4,4'-DDT	5.704	6.285	5368584	7423759	2.410	2.253M4
22)	Endrin Aldeh	5.959	6.386	4371536	6111741	2.380	2.274M3
23)	Methoxychlor	6.155	6.833	3504721	5050153	2.668M4	2.658M4
24)	Mirex	6.234	6.990	5619624	7574288	2.768	2.683
25)	Endosulfan S	6.333	6.609	5390130	7658485	2.561M3	2.434
26)	Endrin Keton	6.556	7.021	5843067	8209384	2.488M4	2.334
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:34
Operator : pest20:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:27:40 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:25:14 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

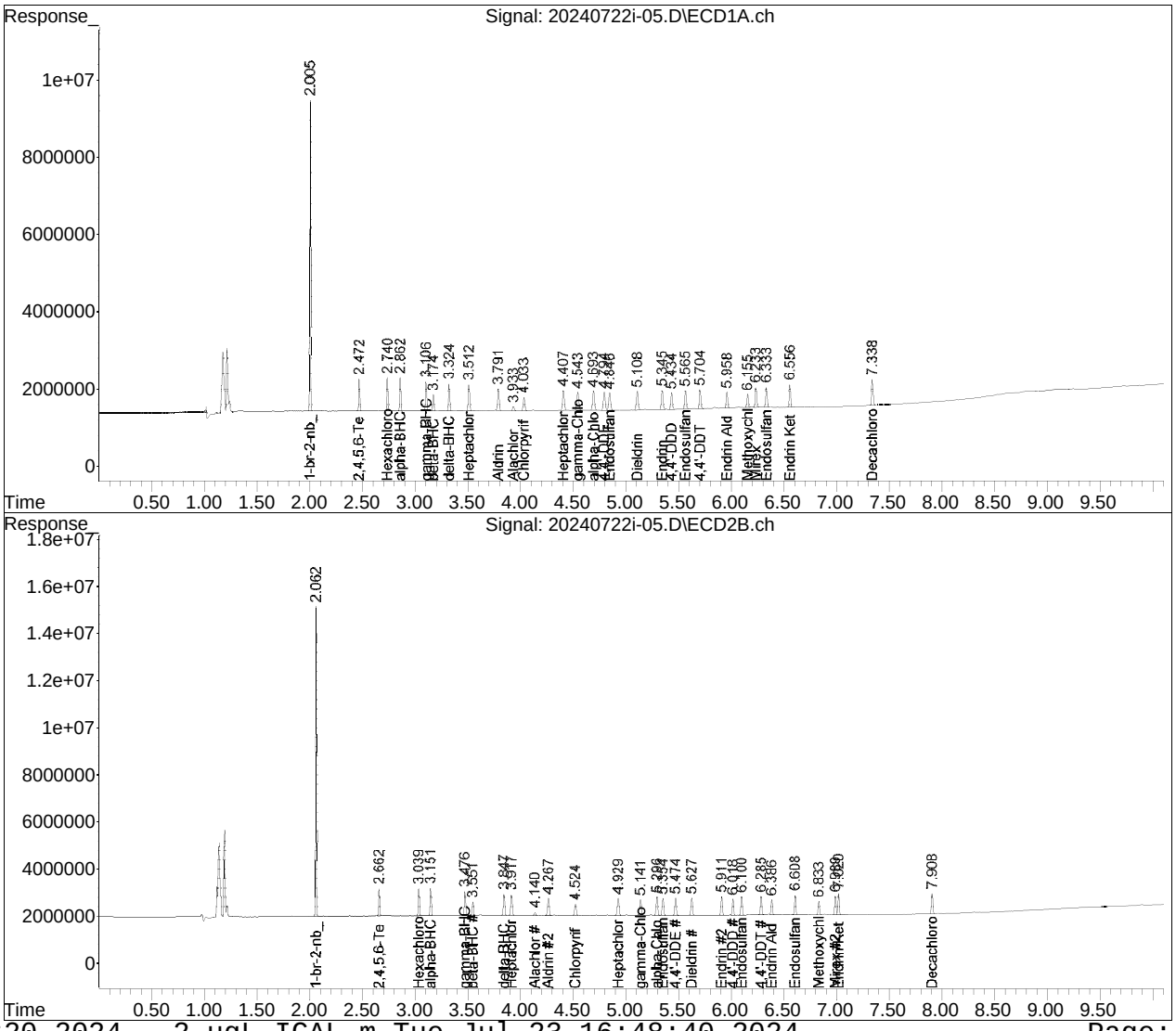
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:34
Operator : pest20:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:27:40 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:25:14 2024
Response via : Initial Calibration
Integrator: ChemStation

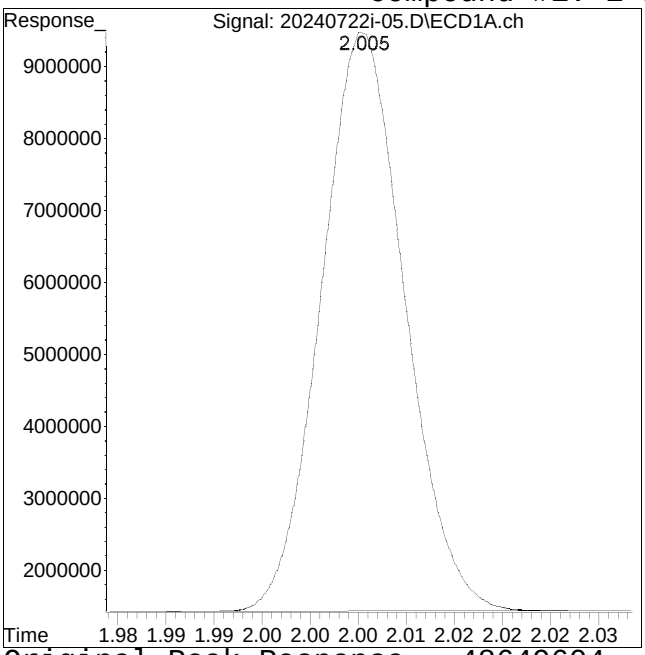
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

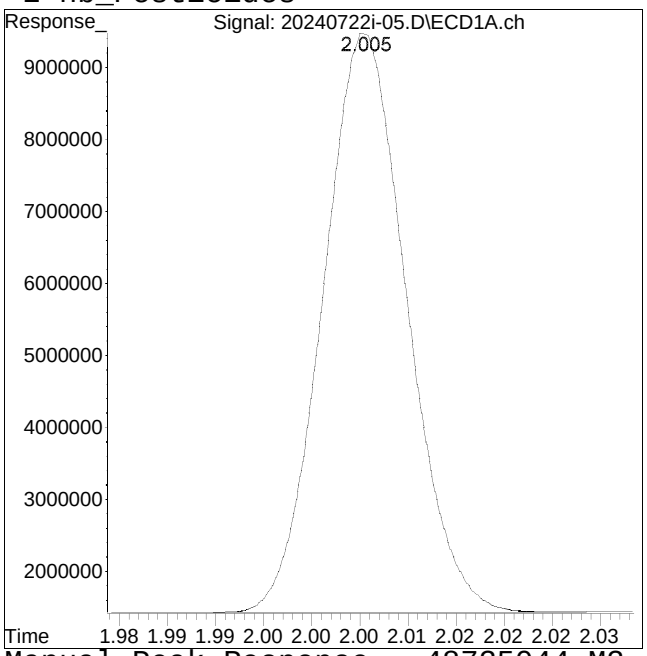


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-05.D
Date Inj'd : 7/22/2024 18:34
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:27 pm

Compound #1: 1-br-2-nb_Pesticides





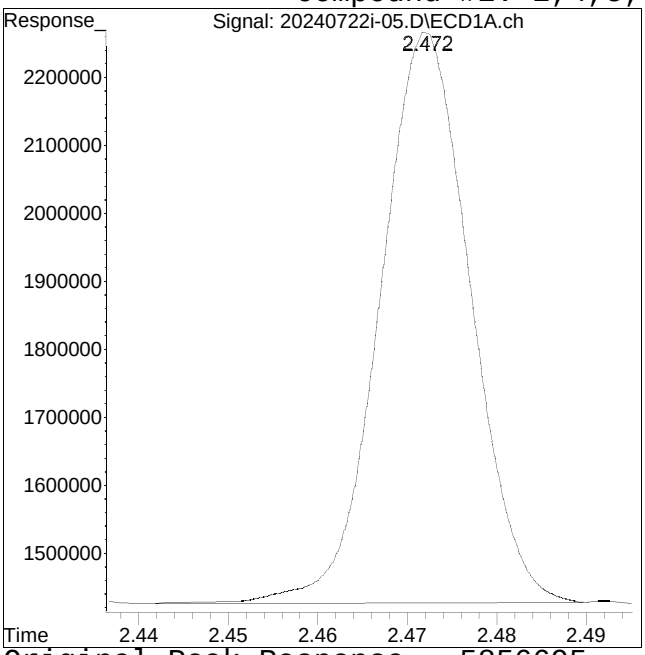
Original Peak Response = 48649604 Manual Peak Response = 48735044 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

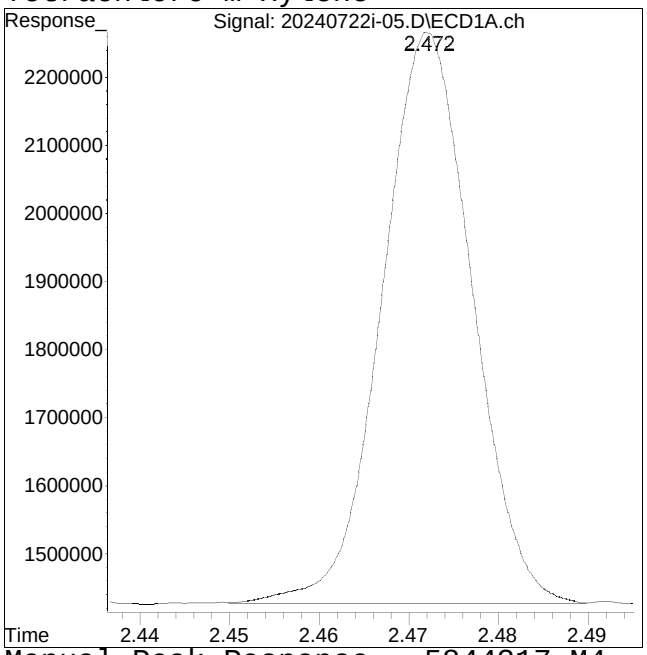
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 5856695



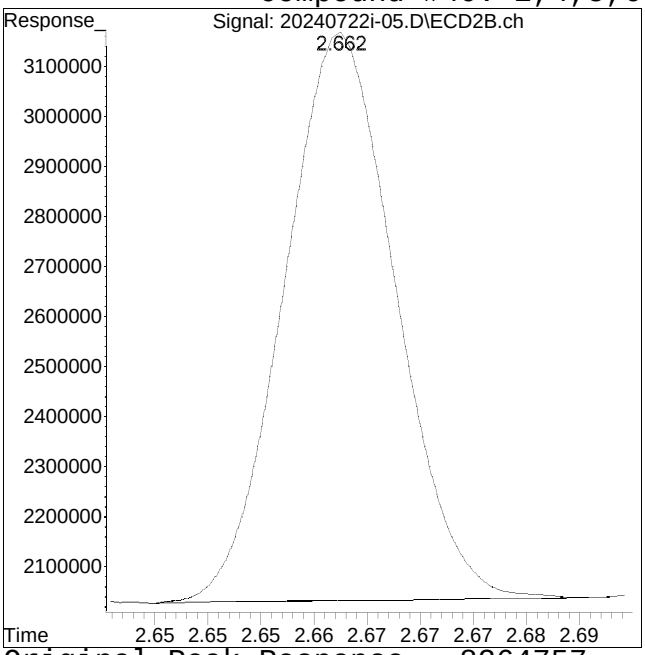
Manual Peak Response = 5844317 M4

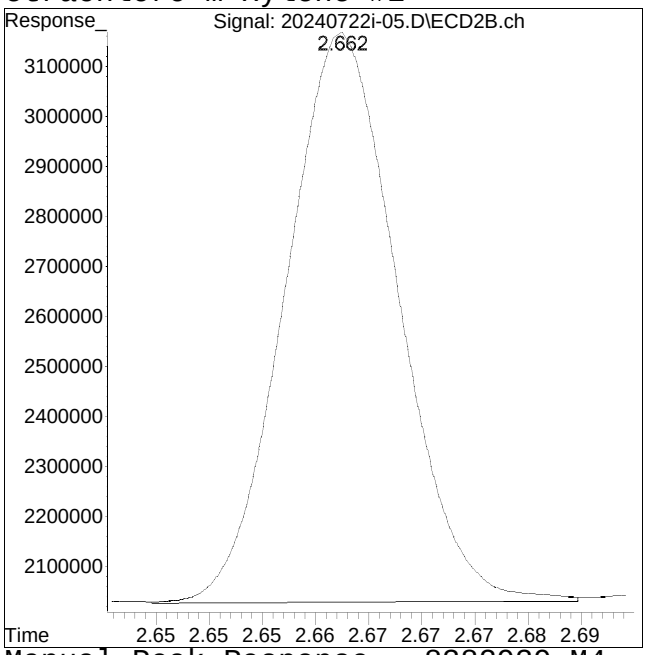
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



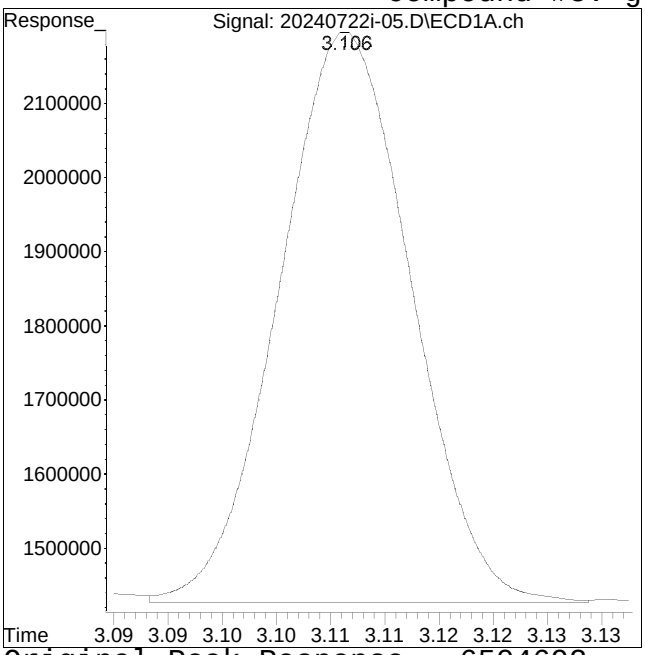


Original Peak Response = 8264757 Manual Peak Response = 8382939 M4
M4 = Poor automated baseline construction.

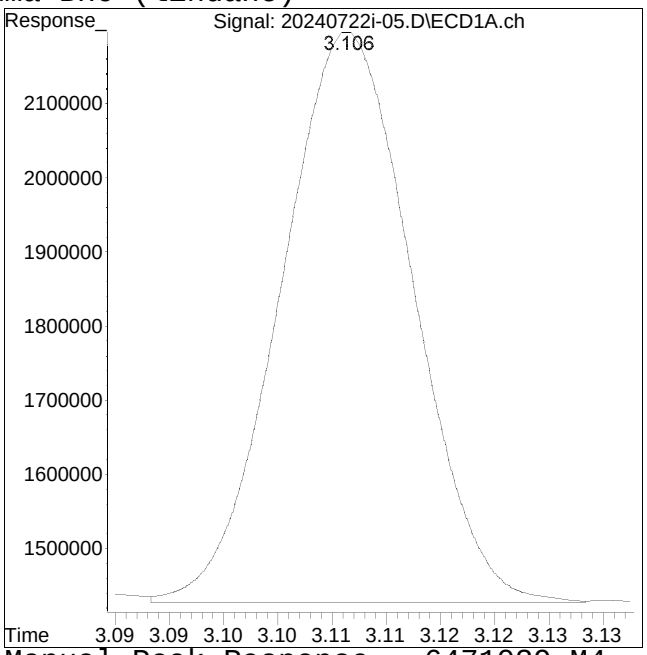
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #5: gamma-BHC (lindane)



Original Peak Response = 6504692



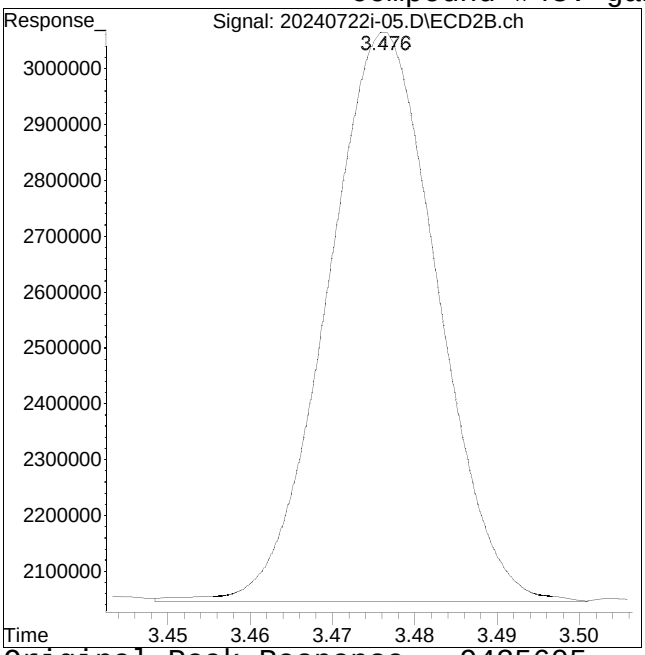
Manual Peak Response = 6471039 M4

M4 = Poor automated baseline construction.

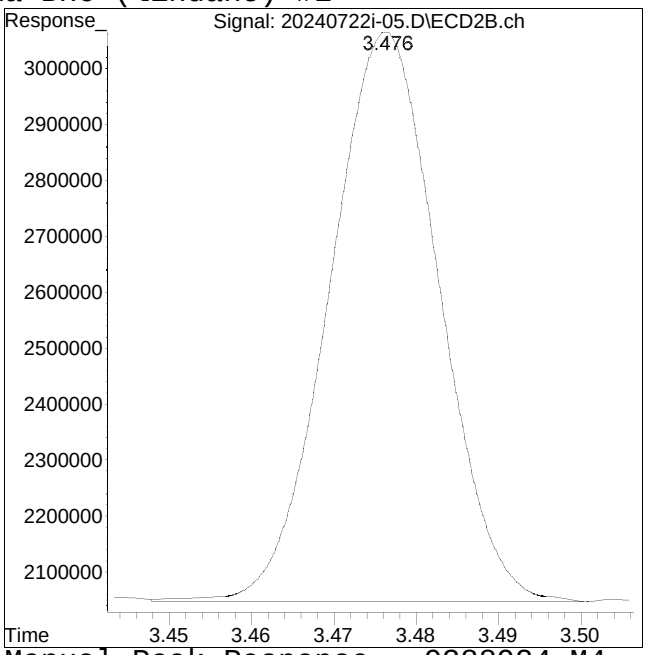
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 9435605



Manual Peak Response = 9388924 M4

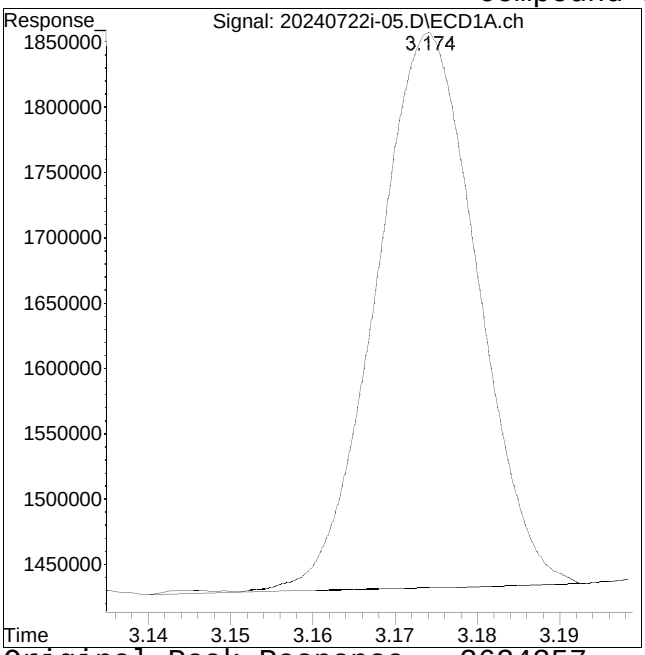
M4 = Poor automated baseline construction.

Manual Integration Report

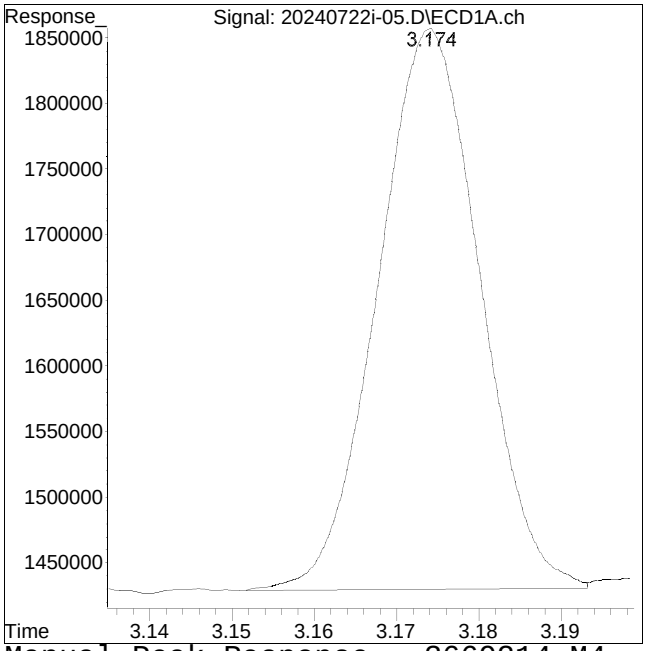
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-05.D
Date Inj'd : 7/22/2024 18:34
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:27 pm

Compound #6: beta-BHC



Original Peak Response = 3624357



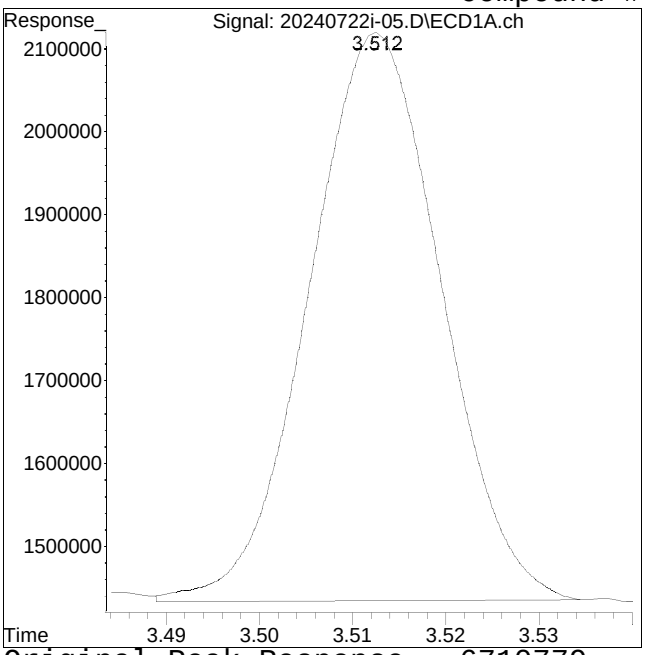
Manual Peak Response = 3669214 M4

M4 = Poor automated baseline construction.

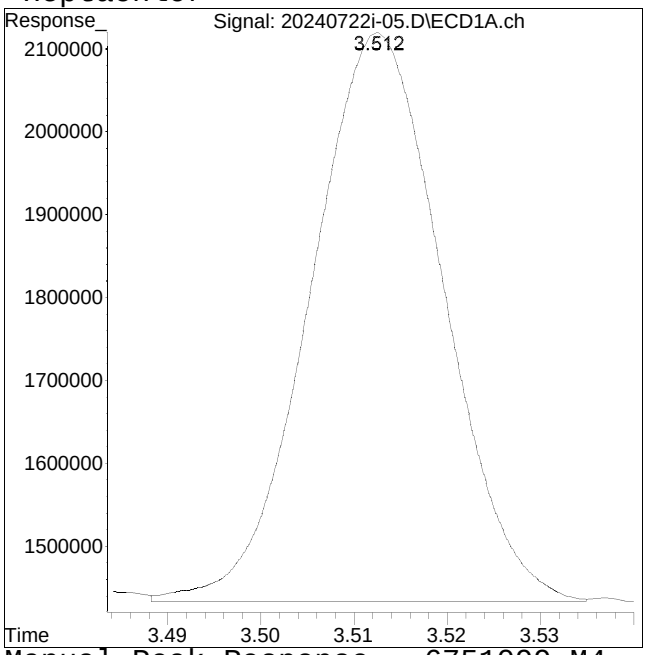
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #8: Heptachlor



Original Peak Response = 6710779



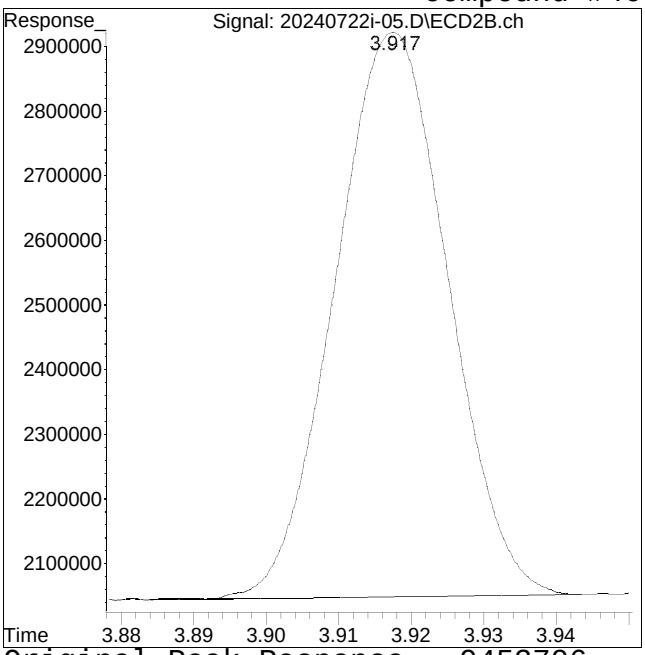
Manual Peak Response = 6751099 M4

M4 = Poor automated baseline construction.

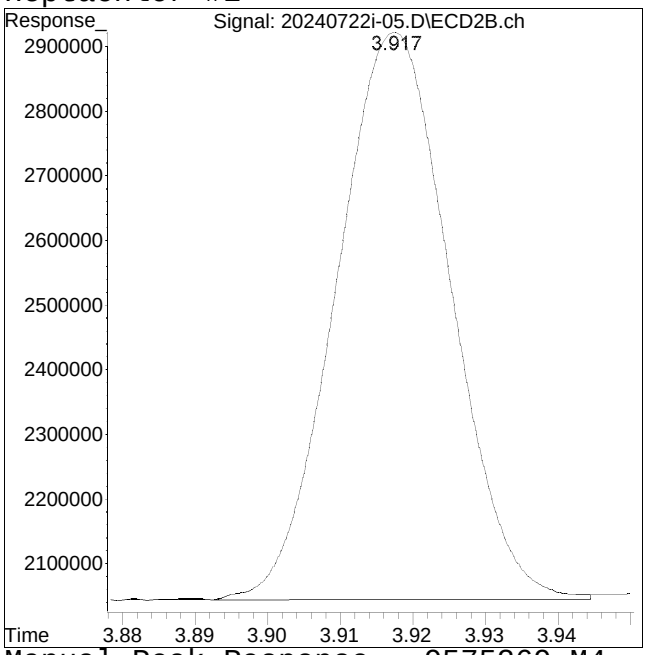
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #46: Heptachlor #2



Original Peak Response = 9453706



Manual Peak Response = 9575269 M4

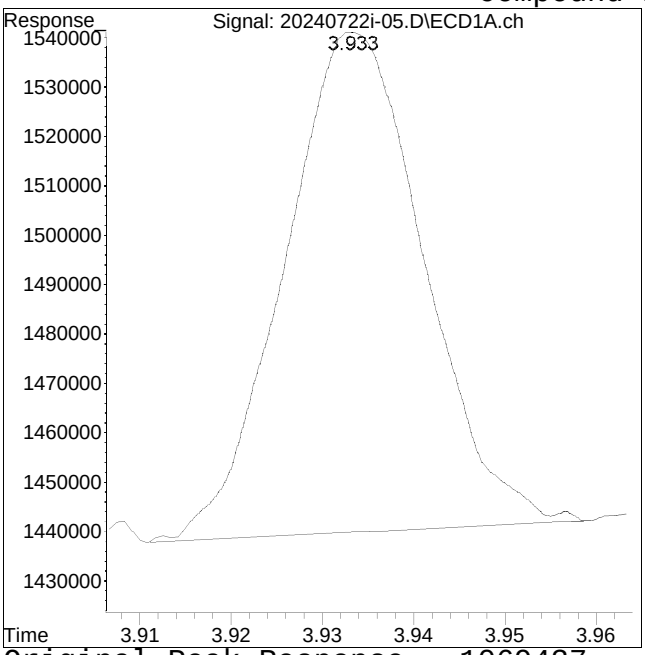
M4 = Poor automated baseline construction.

Manual Integration Report

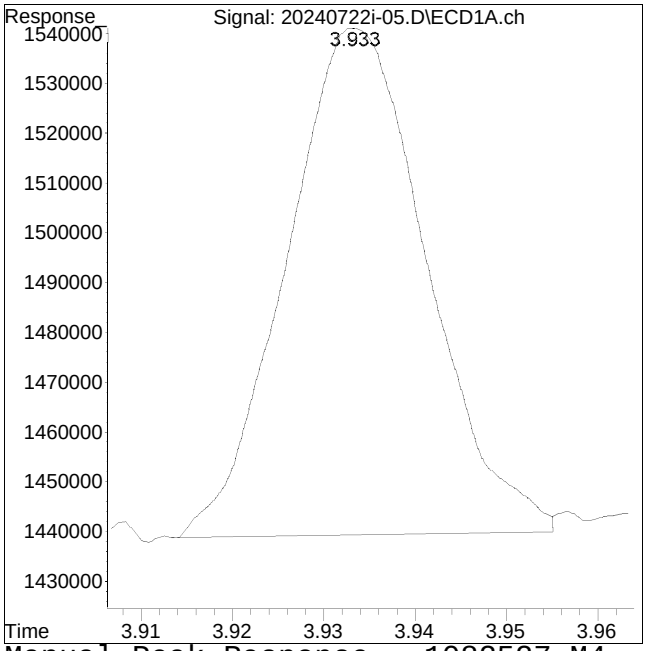
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-05.D
Date Inj'd : 7/22/2024 18:34
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:27 pm

Compound #10: Alachlor



Original Peak Response = 1069437



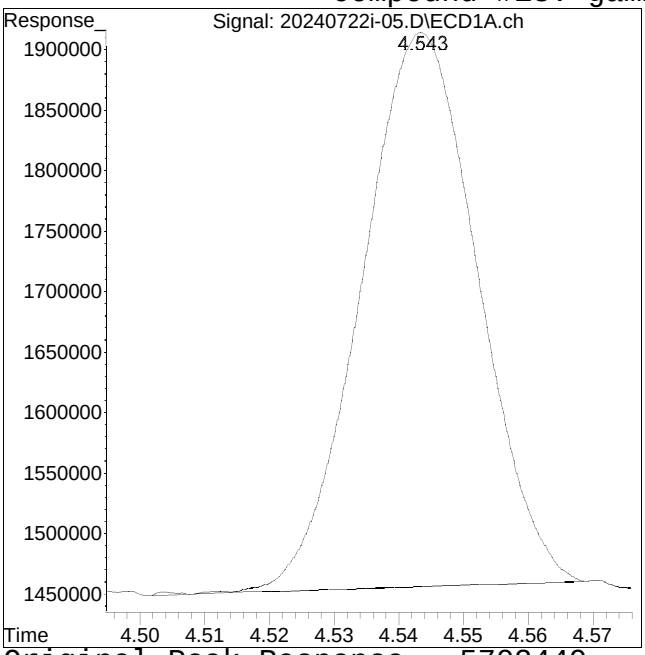
Manual Peak Response = 1082527 M4

M4 = Poor automated baseline construction.

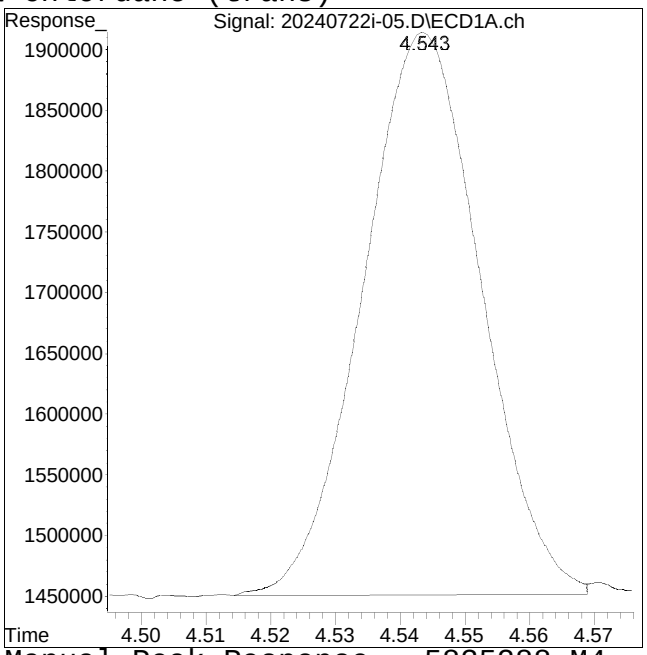
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 5702449



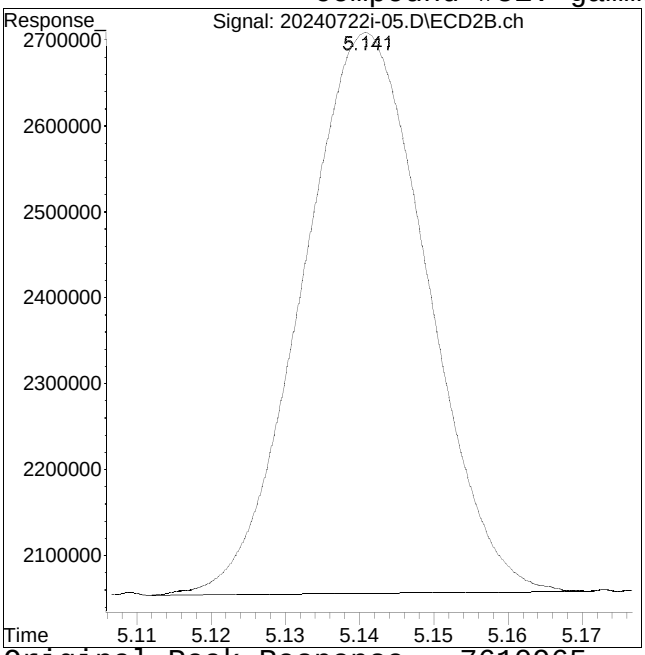
Manual Peak Response = 5835288 M4

M4 = Poor automated baseline construction.

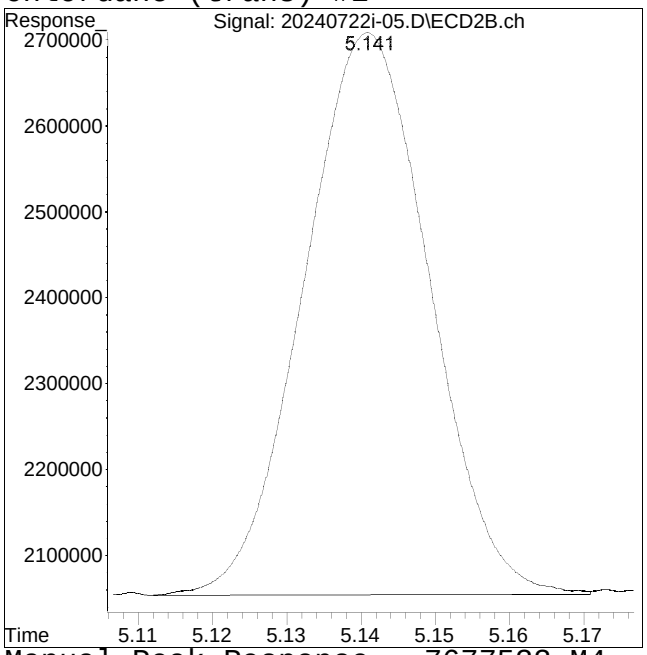
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 7610965



Manual Peak Response = 7677533 M4

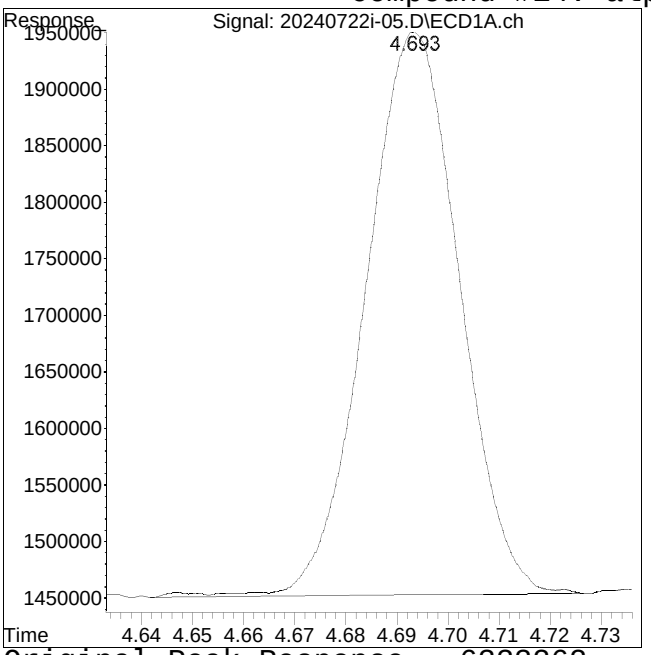
M4 = Poor automated baseline construction.

Manual Integration Report

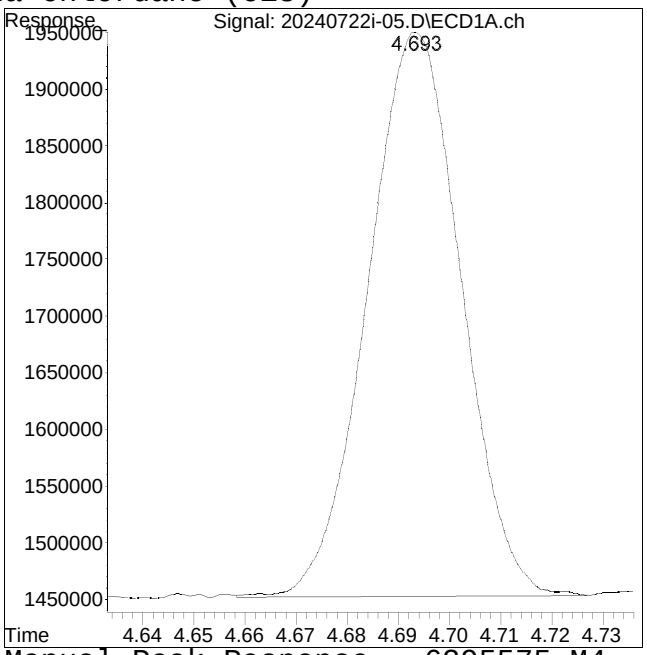
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-05.D
Date Inj'd : 7/22/2024 18:34
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:27 pm

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 6333262



Manual Peak Response = 6295575 M4

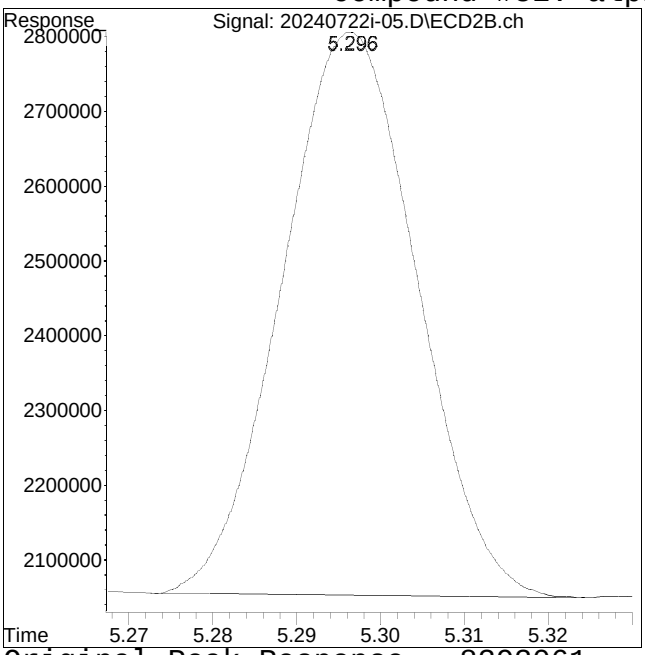
M4 = Poor automated baseline construction.

Manual Integration Report

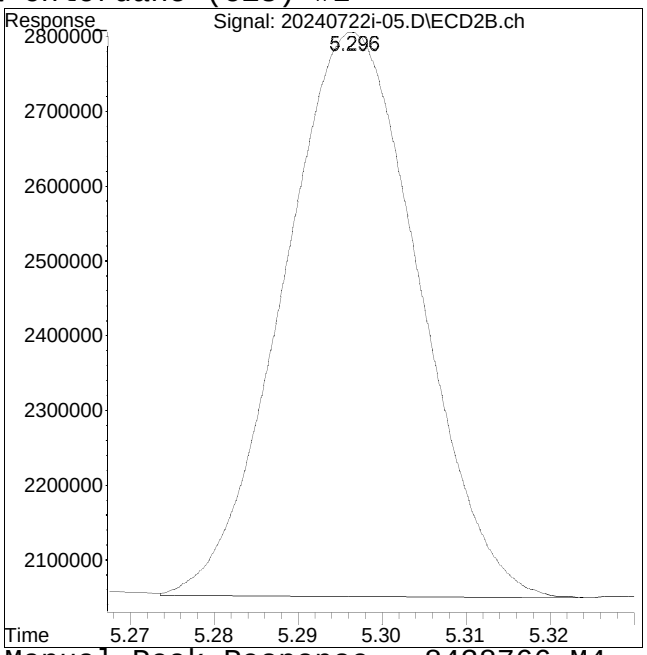
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-05.D
Date Inj'd : 7/22/2024 18:34
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:27 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 8393061



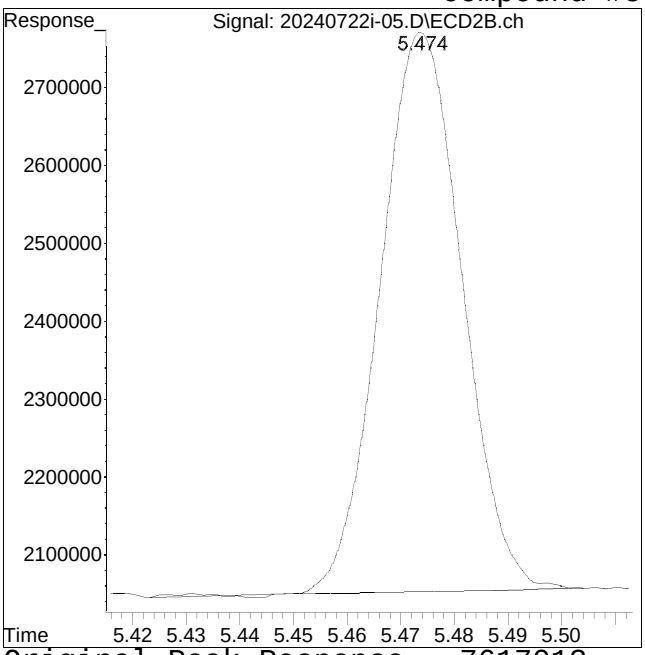
Manual Peak Response = 8438766 M4

M4 = Poor automated baseline construction.

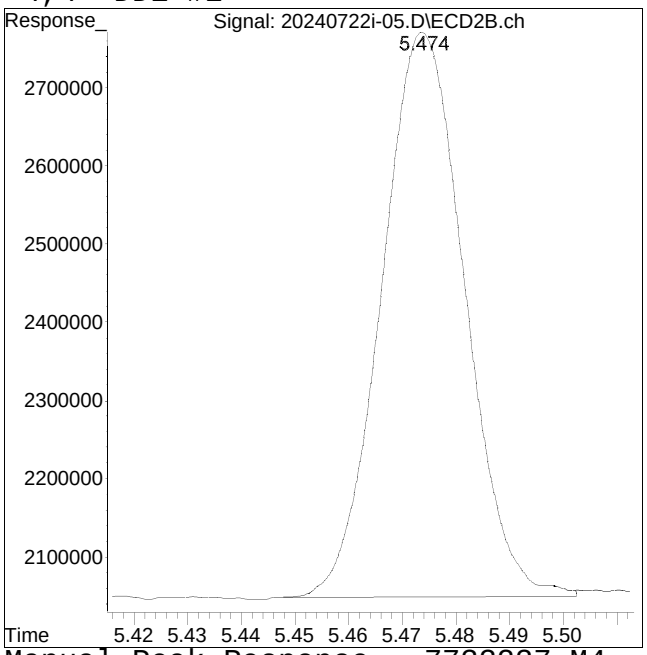
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 7617013



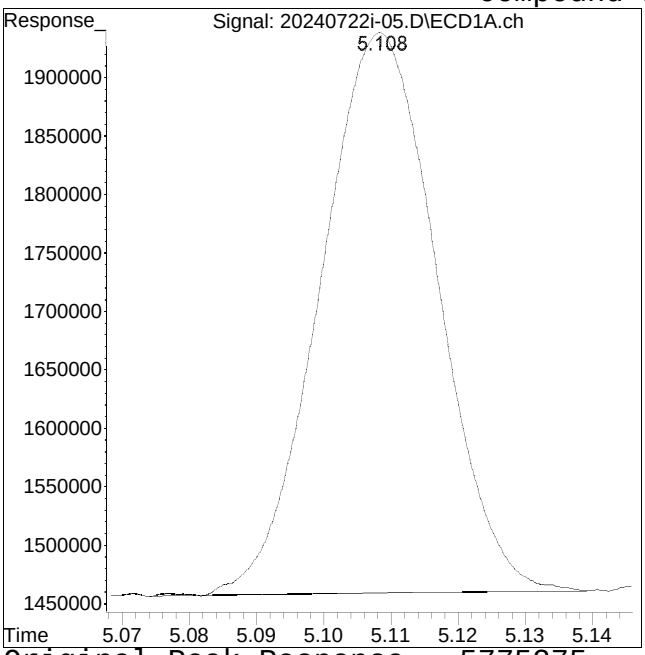
Manual Peak Response = 7733237 M4

M4 = Poor automated baseline construction.

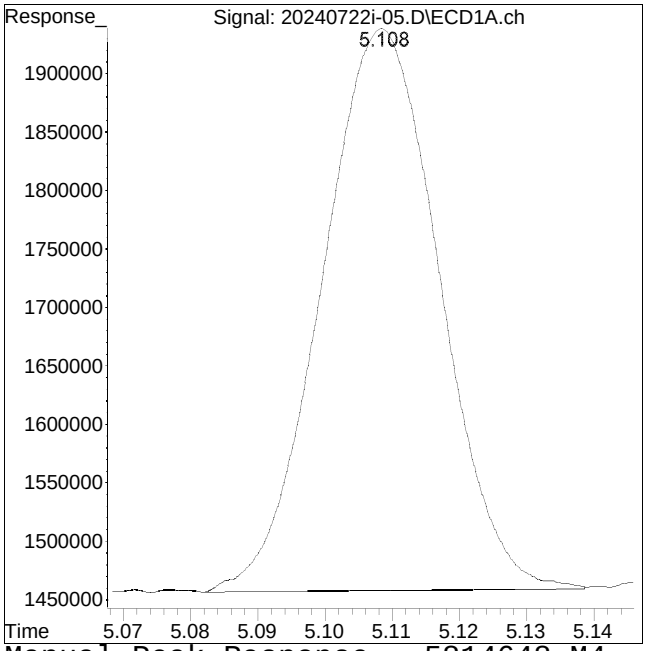
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #17: Dieldrin



Original Peak Response = 5775275



Manual Peak Response = 5814648 M4

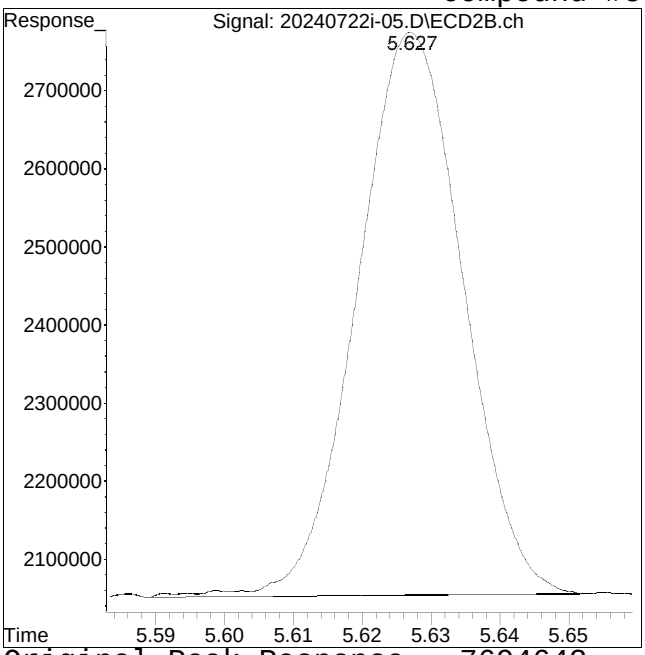
M4 = Poor automated baseline construction.

Manual Integration Report

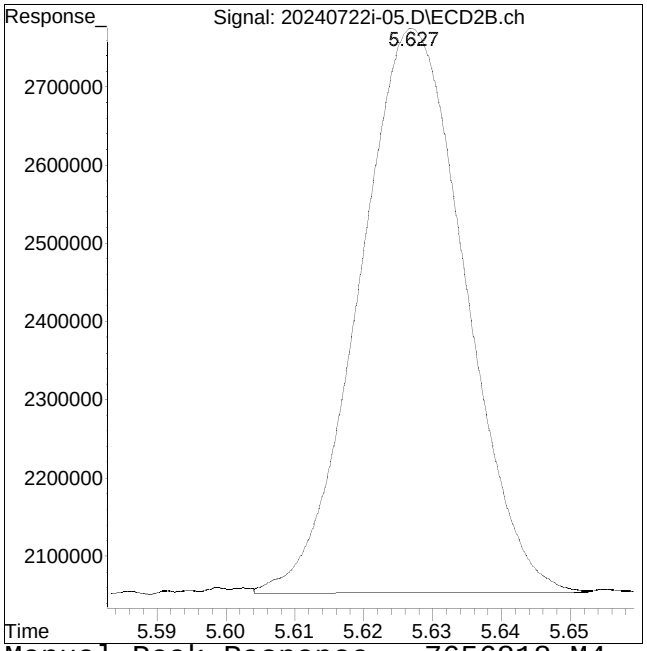
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-05.D
Date Inj'd : 7/22/2024 18:34
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:27 pm

Compound #55: Dieldrin #2



Original Peak Response = 7694643



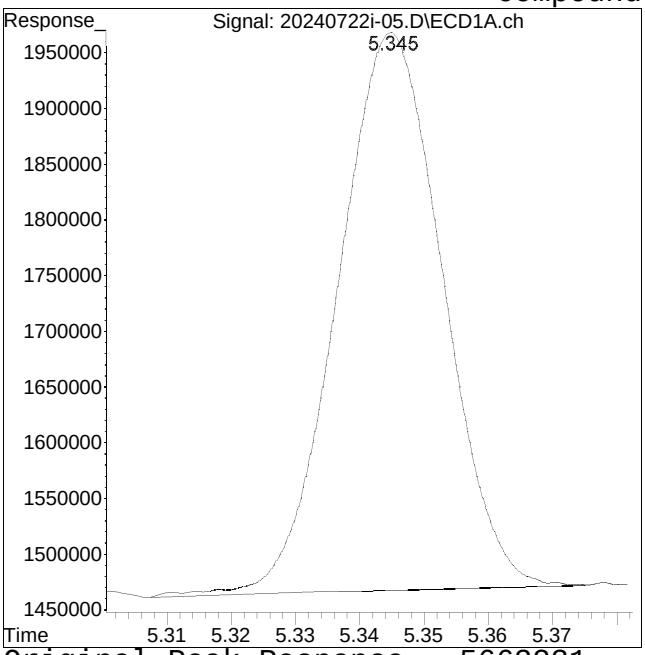
Manual Peak Response = 7656818 M4

M4 = Poor automated baseline construction.

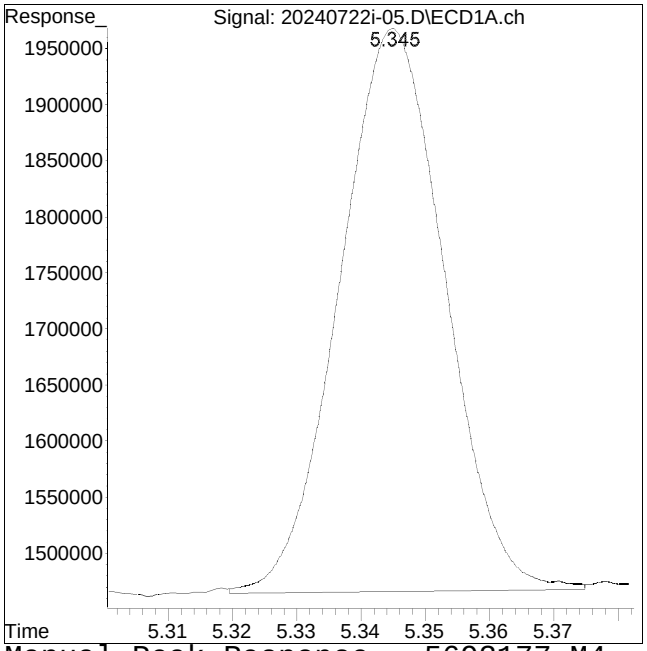
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #18: Endrin



Original Peak Response = 5663231



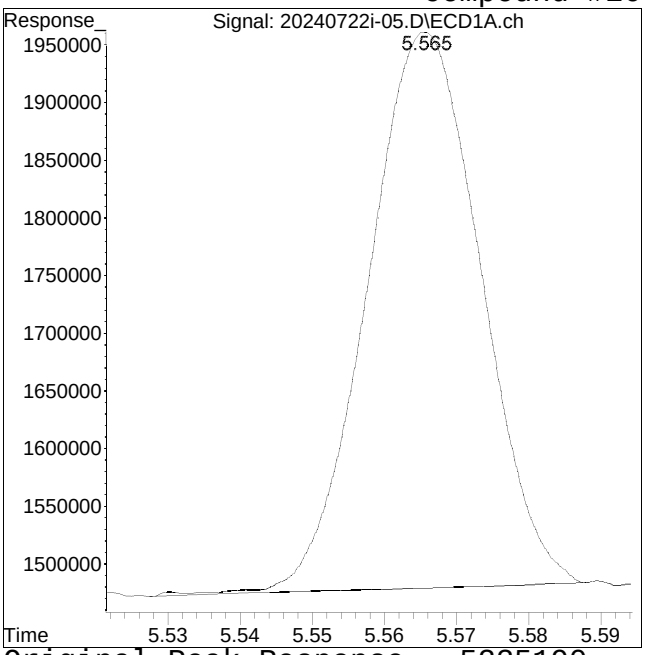
Manual Peak Response = 5693177 M4

M4 = Poor automated baseline construction.

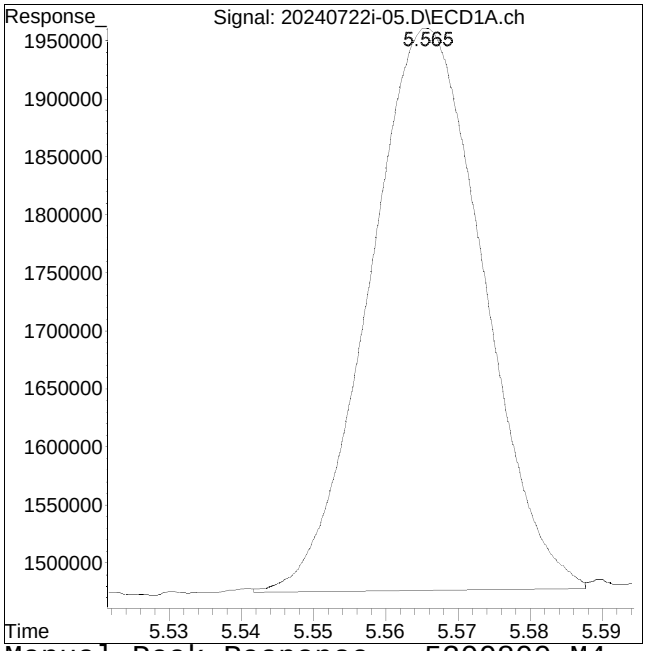
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #20: Endosulfan II



Original Peak Response = 5235190



Manual Peak Response = 5300800 M4

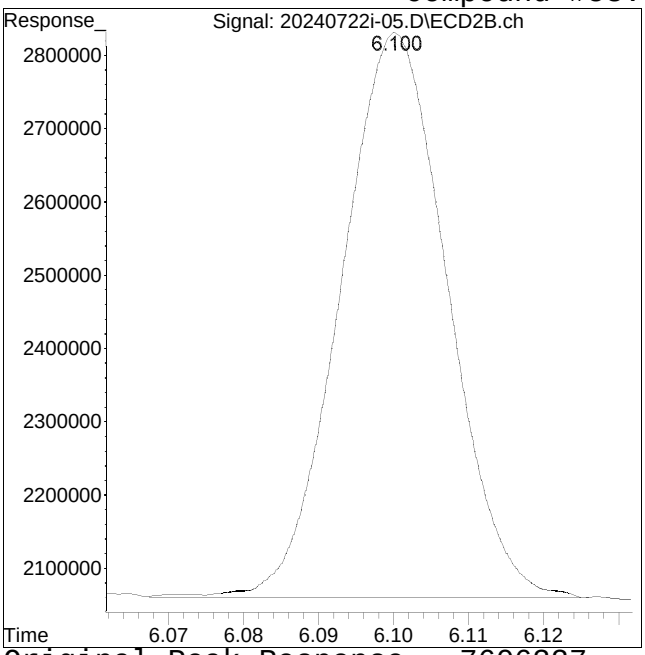
M4 = Poor automated baseline construction.

Manual Integration Report

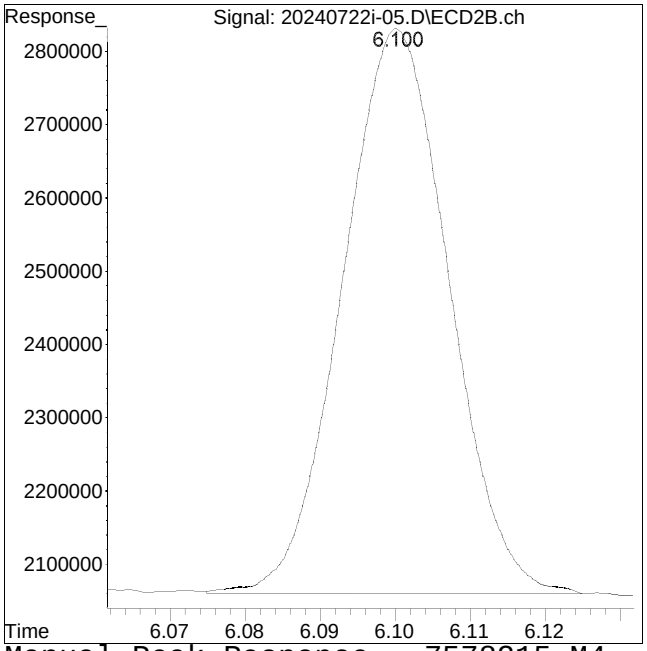
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-05.D
Date Inj'd : 7/22/2024 18:34
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:27 pm

Compound #58: Endosulfan II #2



Original Peak Response = 7606327



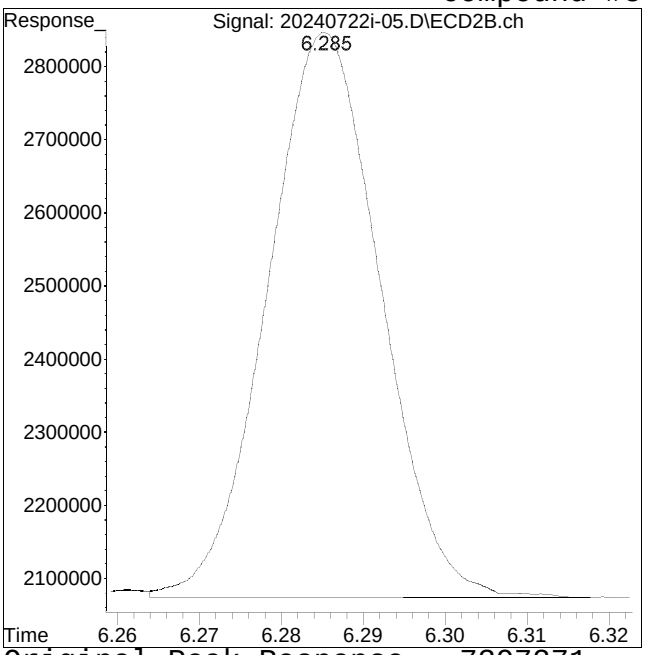
Manual Peak Response = 7578215 M4

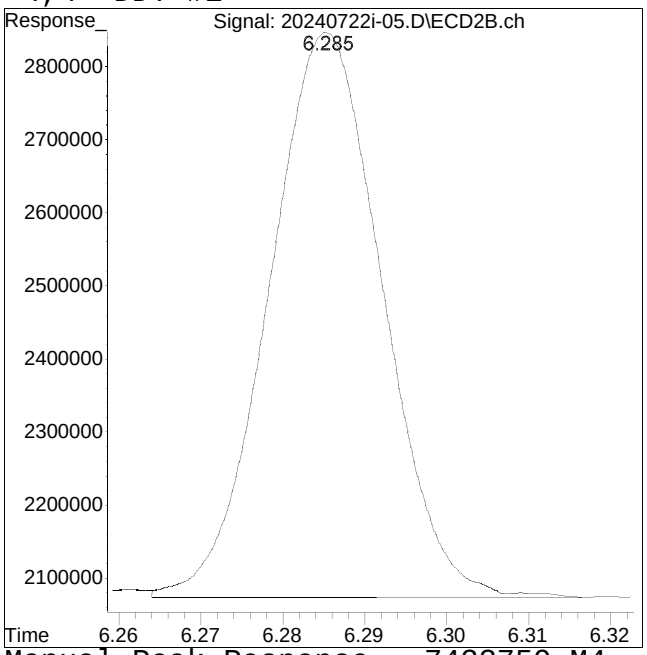
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #59: 4,4'-DDT #2



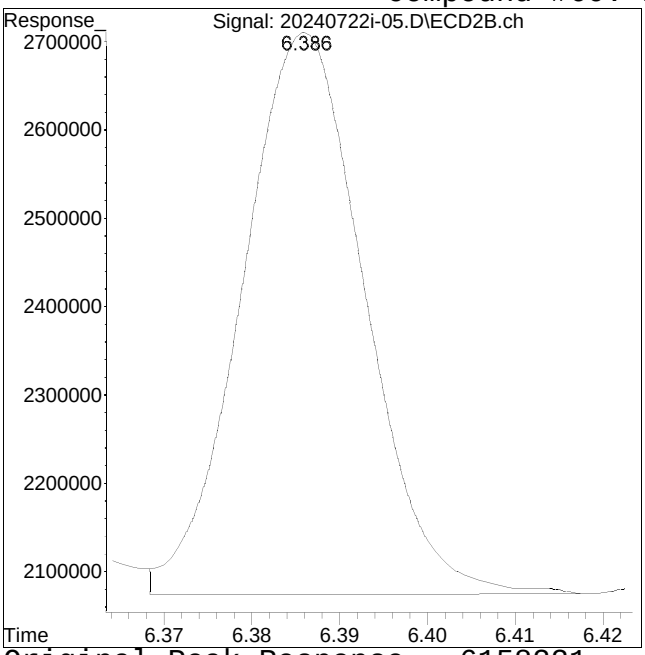


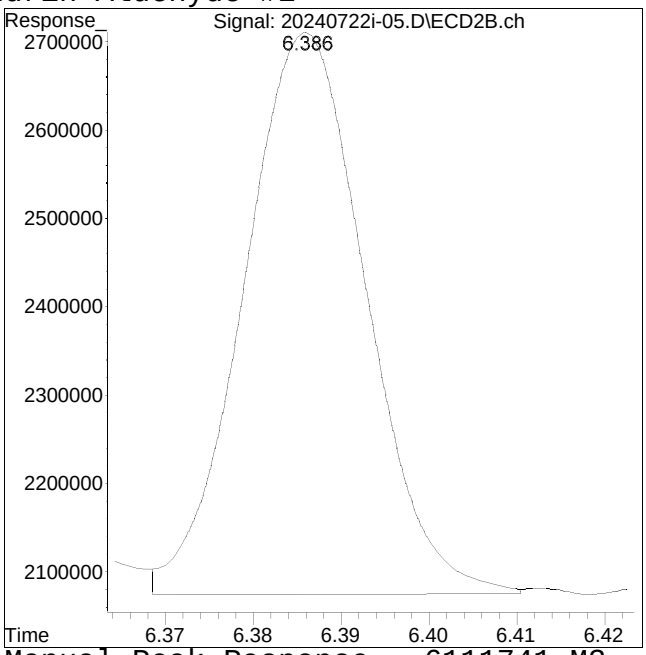
Original Peak Response = 7397271 Manual Peak Response = 7423759 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-05.D
Date Inj'd : 7/22/2024 18:34
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:27 pm

Compound #60: Endrin Aldehyde #2



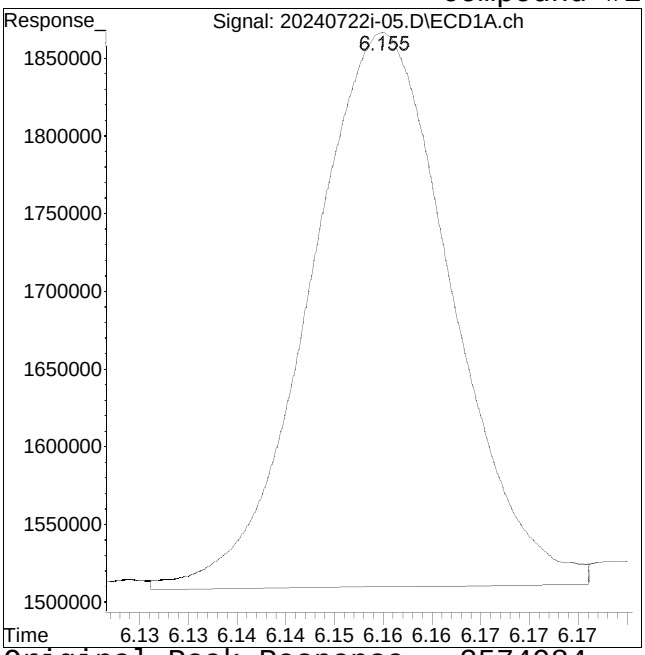


Original Peak Response = 6158221 Manual Peak Response = 6111741 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

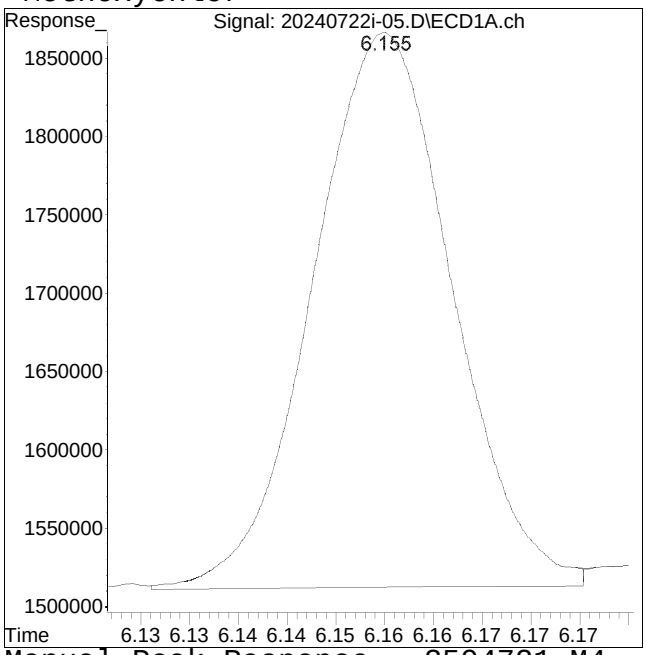
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #23: Methoxychlor



Original Peak Response = 3574984



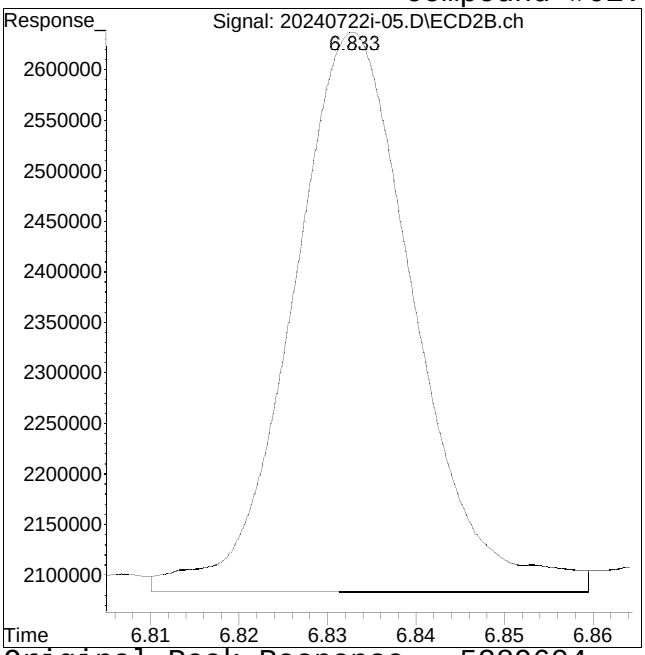
Manual Peak Response = 3504721 M4

M4 = Poor automated baseline construction.

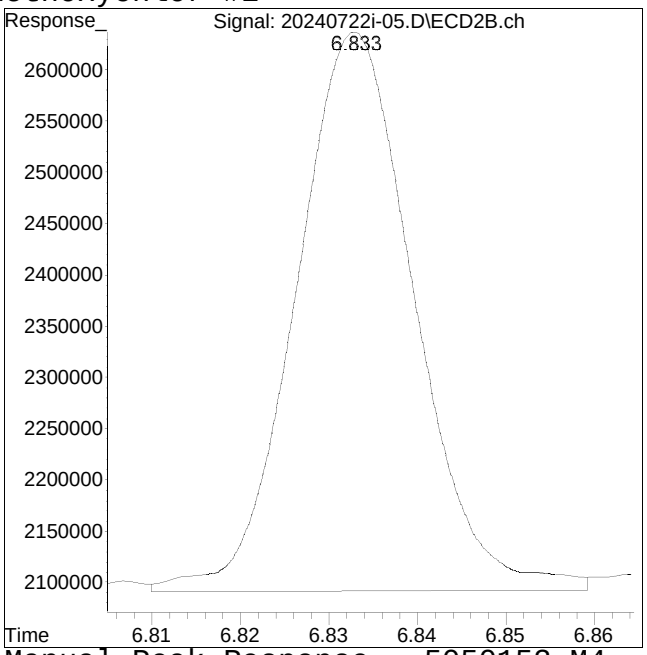
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #61: Methoxychlor #2



Original Peak Response = 5289604



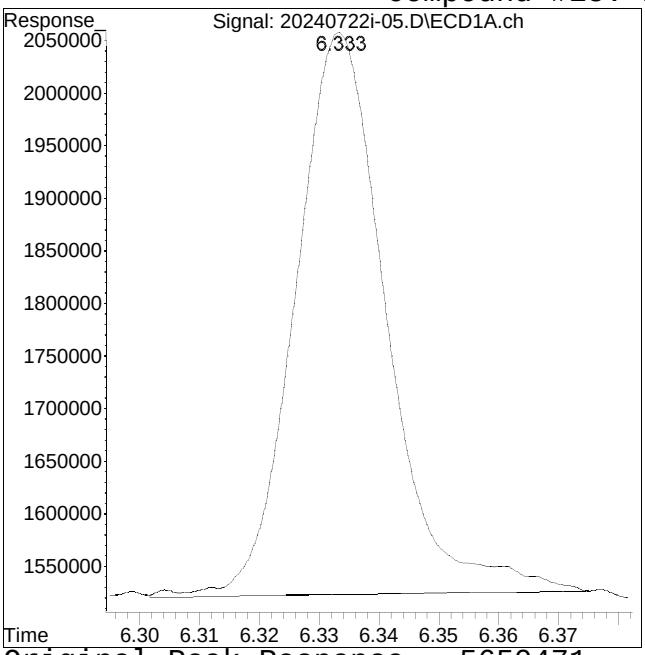
Manual Peak Response = 5050153 M4

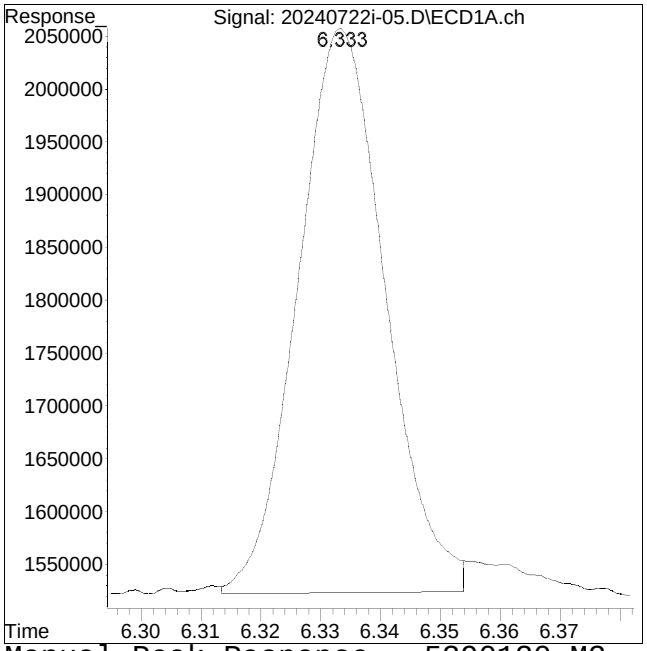
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #25: Endosulfan Sulfate



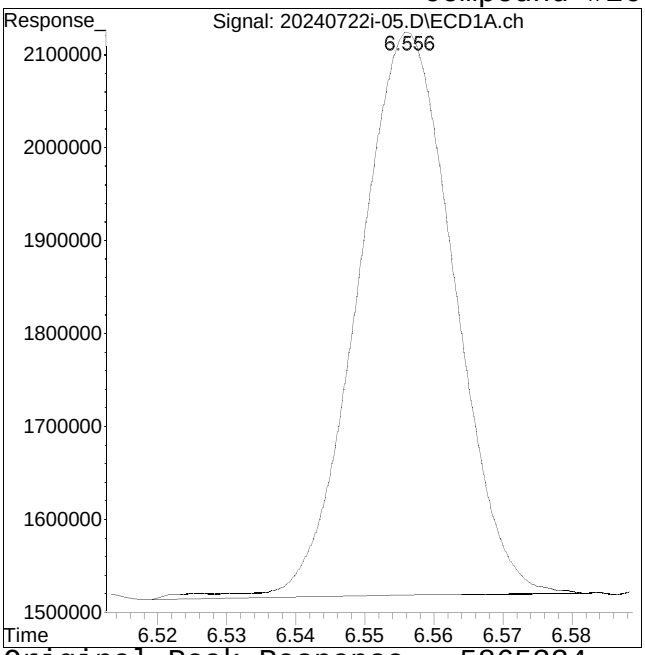


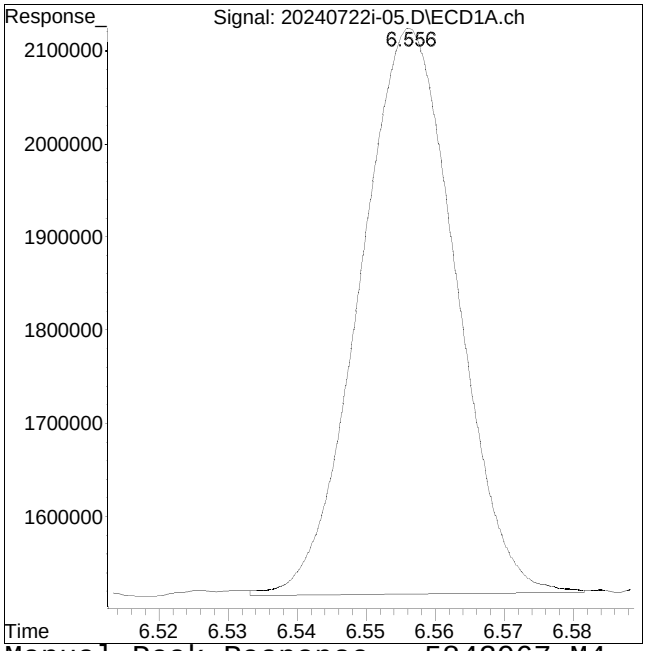
Original Peak Response = 5650471 Manual Peak Response = 5390130 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #26: Endrin Ketone



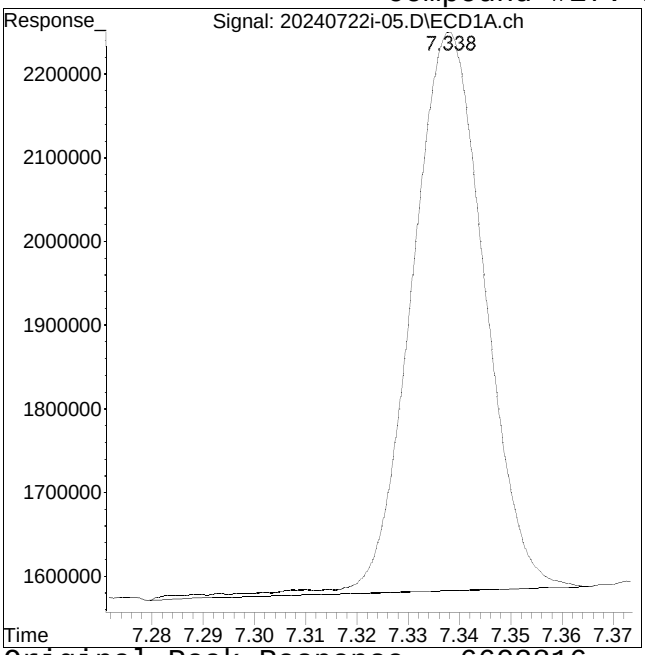


Original Peak Response = 5865334 Manual Peak Response = 5843067 M4
M4 = Poor automated baseline construction.

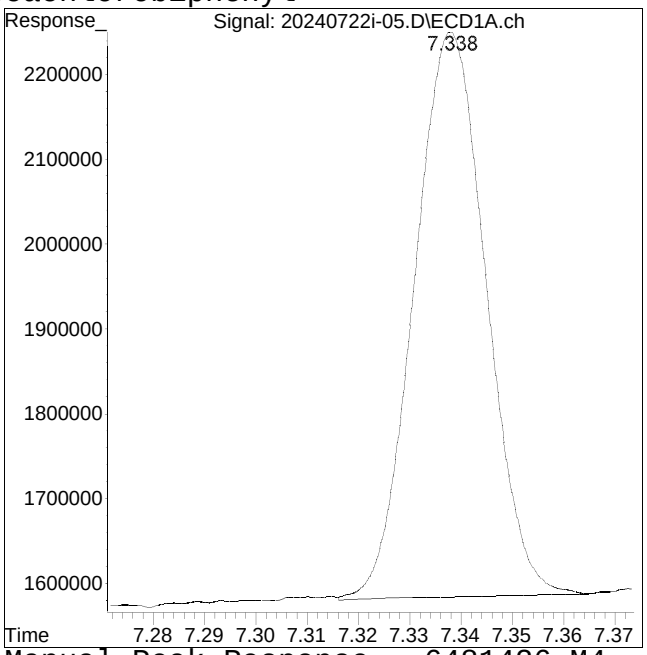
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 6602816



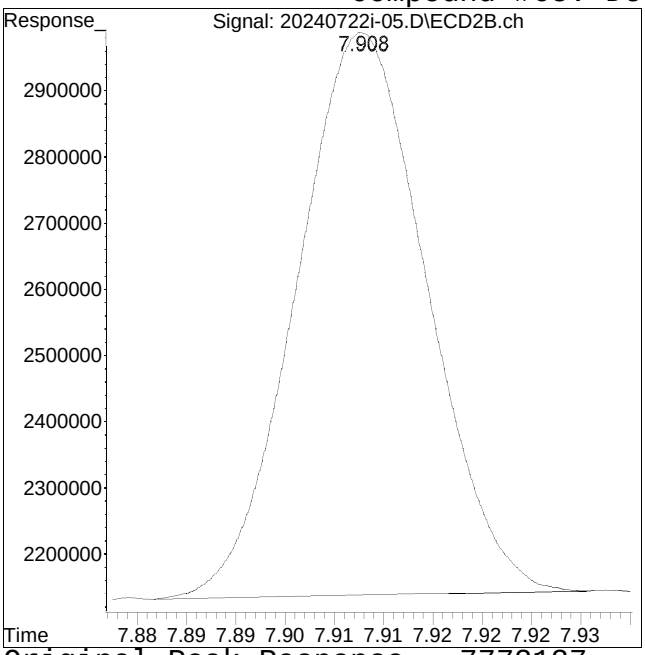
Manual Peak Response = 6481426 M4

M4 = Poor automated baseline construction.

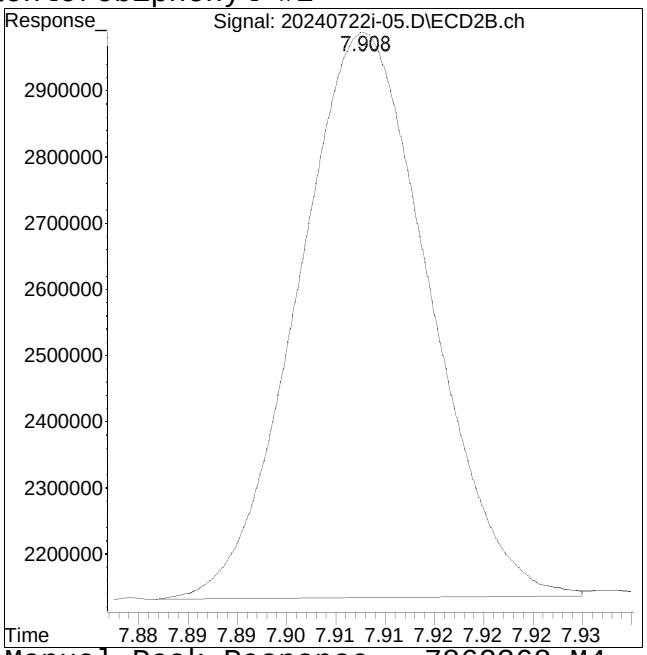
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-05.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:34 Instrument : PEST 20
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 7/23/2024 1:27 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 7772127



Manual Peak Response = 7862368 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:46
Operator : pest20:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:18:10 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:17:53 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	2.007	2.063	49390504	78959739	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.474	2.663	8456317	12483650	3.638	3.446M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		7.28%#	6.89%#
27) s	Decachlorobi	7.337	7.907	9233593	11420554	4.016	3.804
	Spiked Amount 50.000	Range 30 - 150		Recovery =		8.03%#	7.61%#
	Target Compounds						
3)	Hexachlorobe	2.741	3.040	9524208	13867870	3.872	3.675
4)	alpha-BHC	2.863	3.153	9725492	14456151	3.229M4	3.021
5)	gamma-BHC (l	3.108	3.476	9402467	13934950	3.395	3.166M4
6)	beta-BHC	3.175	3.551	5262309	7802199	3.886M4	3.690
7)	delta-BHC	3.325	3.848	9178361	13747417	3.300	3.095
8)	Heptachlor	3.514	3.917	9810871	14258781	3.622	3.433M4
9)	Aldrin	3.792	4.268	8855656	12418920	3.409M3	3.222
10)	Alachlor	3.935	4.141	1670048	2306503	3.808	3.788
11)	Chlorpyrifos	4.035	4.524	5528761	8419290	4.080	3.956
12)	Heptachlor E	4.409	4.930	8961689	12911569	3.667	3.455
13)	gamma-Chlord	4.545	5.141	8315352	11325732	3.618	3.427
14)	alpha-Chlord	4.693	5.296	9204061	12572631	3.656M4	3.427M4
15)	4,4'-DDE	4.796	5.474	8555843	11586920	3.421	3.175

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:46
Operator : pest20:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:18:10 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:17:53 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16)	Endosulfan I	4.846	5.354	8324557	11627310	3.616	3.394
17)	Dieldrin	5.109	5.628	8435508	11462946	3.488	3.261
18)	Endrin	5.345	5.911	8364604	11741874	3.499M4	3.279
19)	4,4'-DDD	5.434	6.018	7058784	9621818	3.501M4	3.244M4
20)	Endosulfan I	5.566	6.100	7811600	11255247	3.671M4	3.478M4
21)	4,4'-DDT	5.705	6.286	7890076	11119080	3.594	3.343
22)	Endrin Aldeh	5.959	6.386	6479770	9085647	3.576M4	3.349
23)	Methoxychlor	6.155	6.833	5084848	7343011	4.002M4	3.934M4
24)	Mirex	6.234	6.989	8111981	11096327	4.160	4.016
25)	Endosulfan S	6.333	6.608	8013717	11328623	3.922M3	3.611
26)	Endrin Keton	6.556	7.021	8563791	12288592	3.721	3.483
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:46
Operator : pest20:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:18:10 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:17:53 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

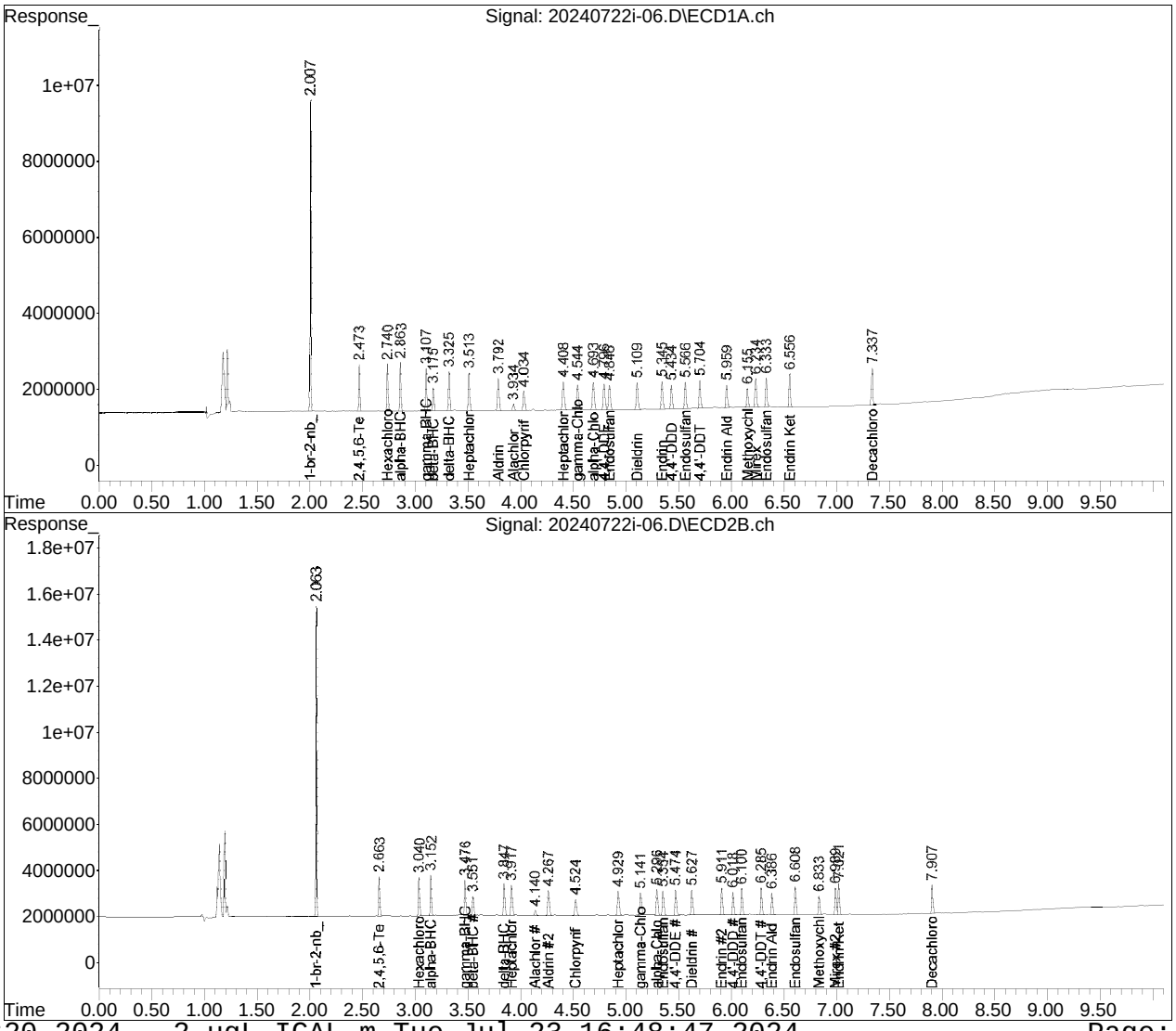
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:46
Operator : pest20:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:18:10 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:17:53 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

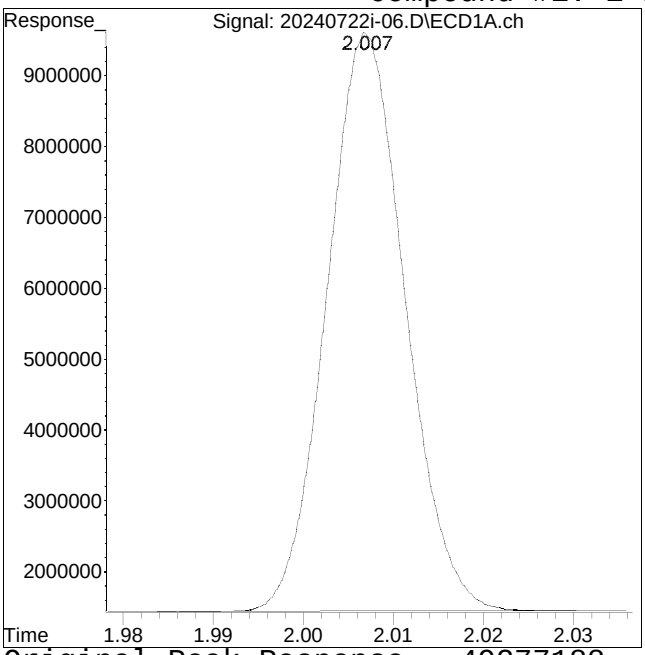


Manual Integration Report

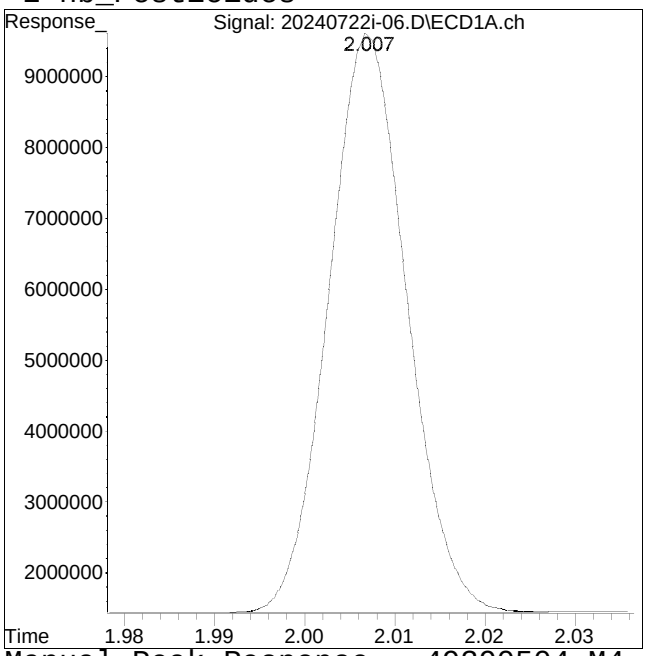
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-06.D
Date Inj'd : 7/22/2024 18:46
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:18 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 49277188



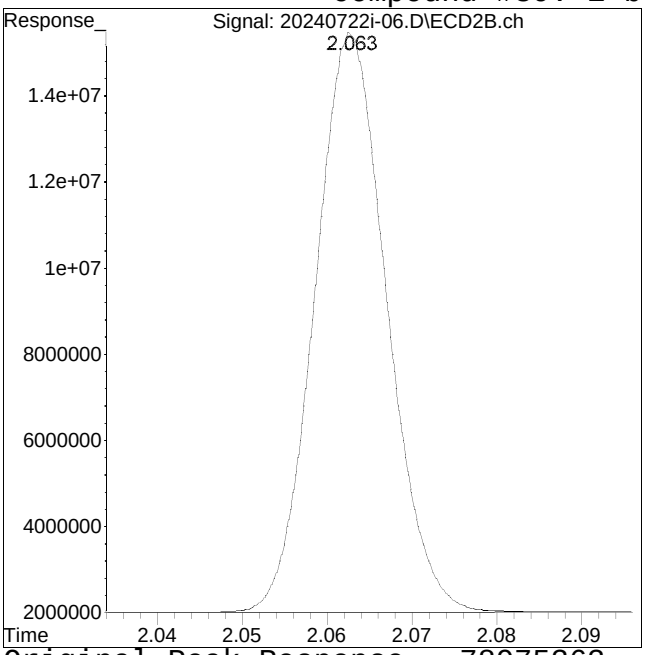
Manual Peak Response = 49390504 M4

M4 = Poor automated baseline construction.

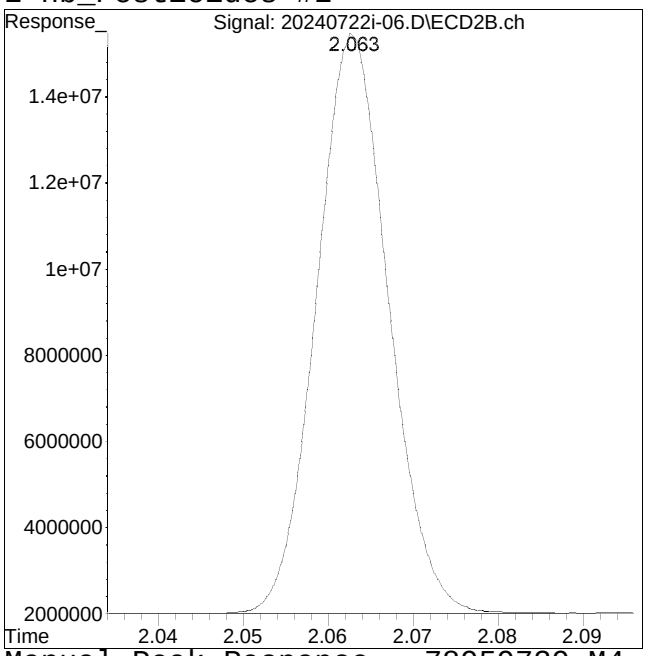
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 78975363



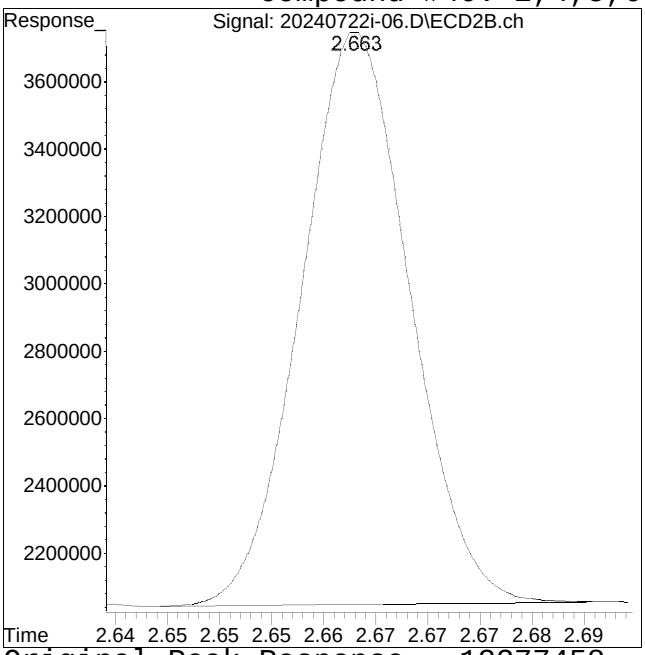
Manual Peak Response = 78959739 M4

M4 = Poor automated baseline construction.

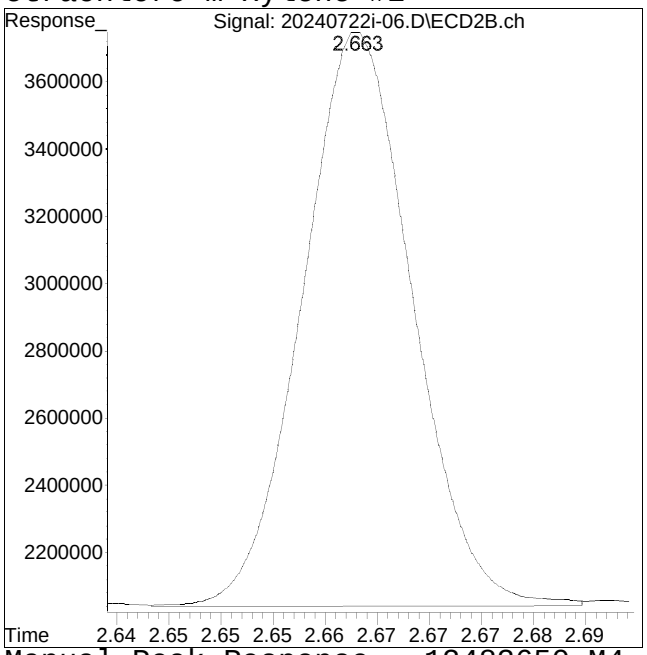
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 12277458



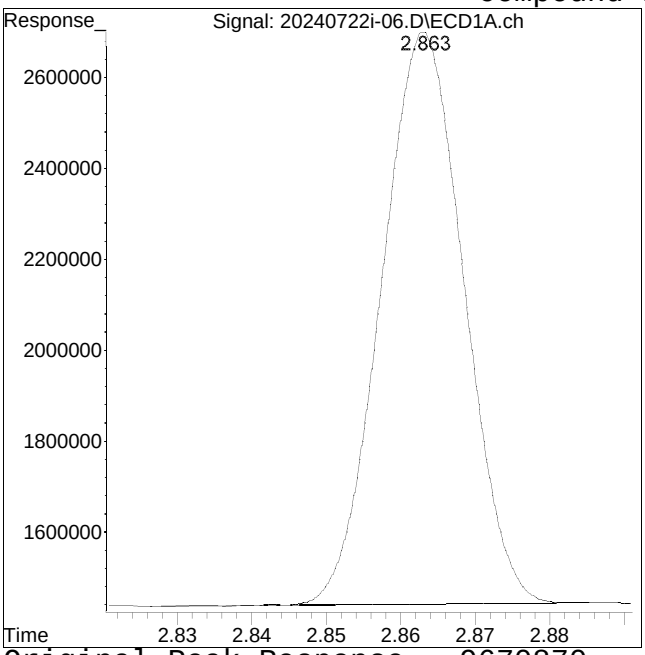
Manual Peak Response = 12483650 M4

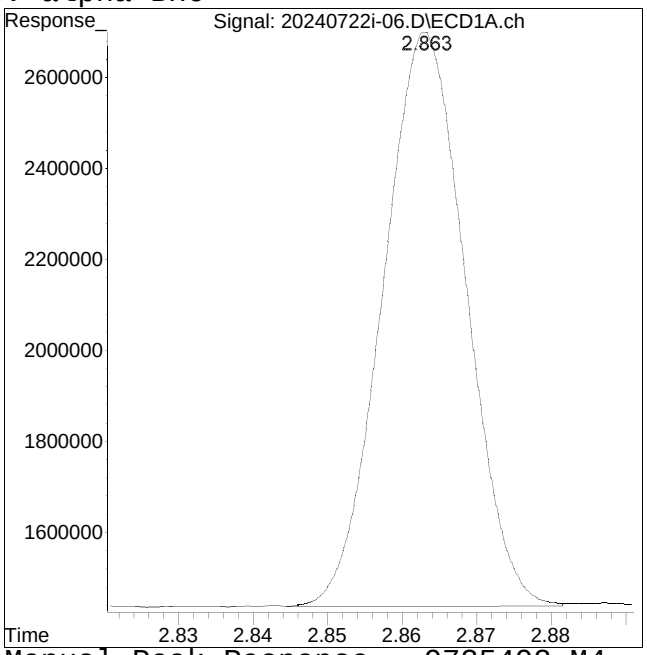
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #4: alpha-BHC



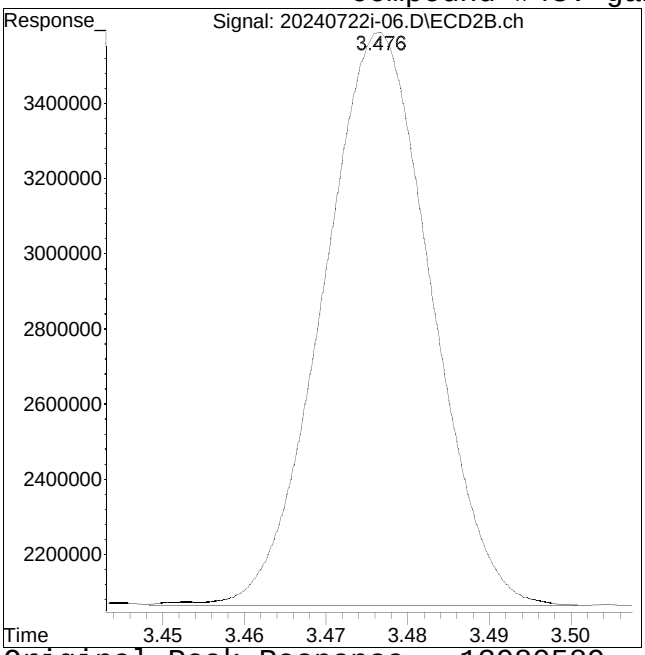


Original Peak Response = 9670870 Manual Peak Response = 9725492 M4
M4 = Poor automated baseline construction.

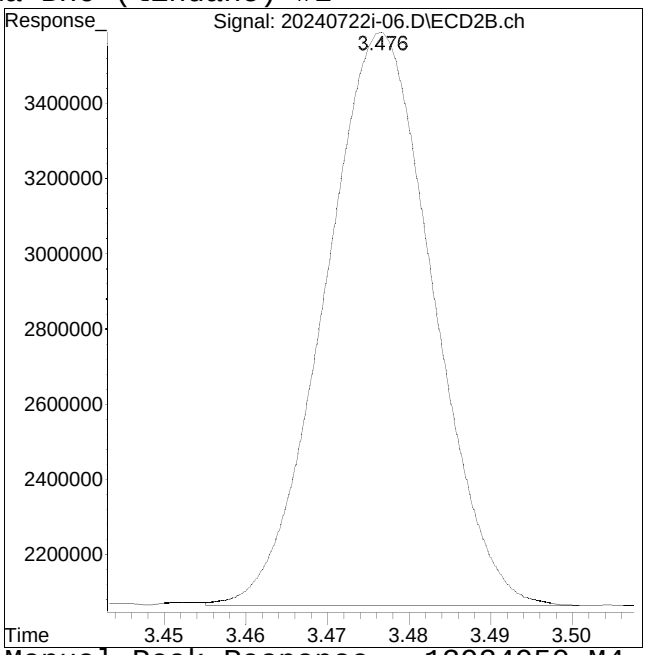
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 13980589



Manual Peak Response = 13934950 M4

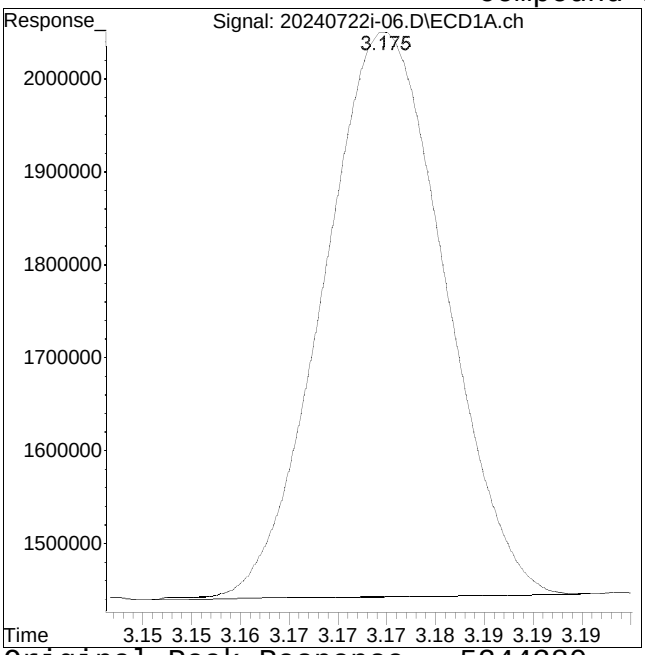
M4 = Poor automated baseline construction.

Manual Integration Report

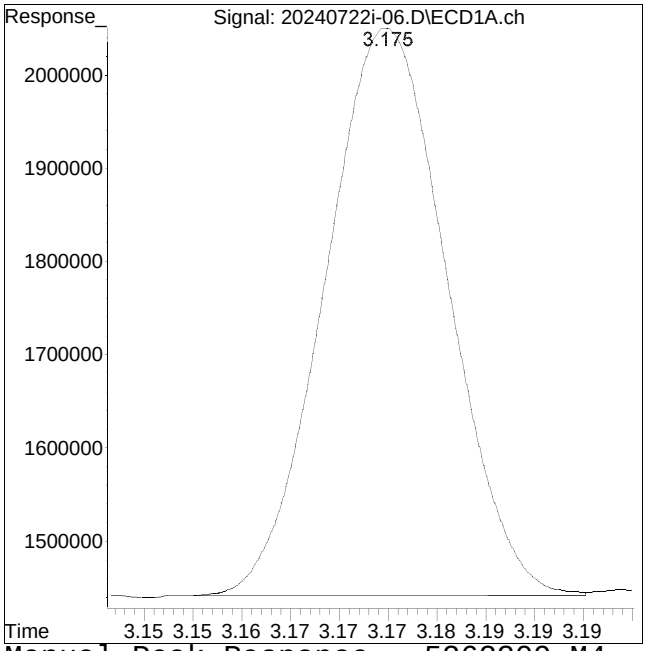
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-06.D
Date Inj'd : 7/22/2024 18:46
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:18 pm

Compound #6: beta-BHC



Original Peak Response = 5244380



Manual Peak Response = 5262309 M4

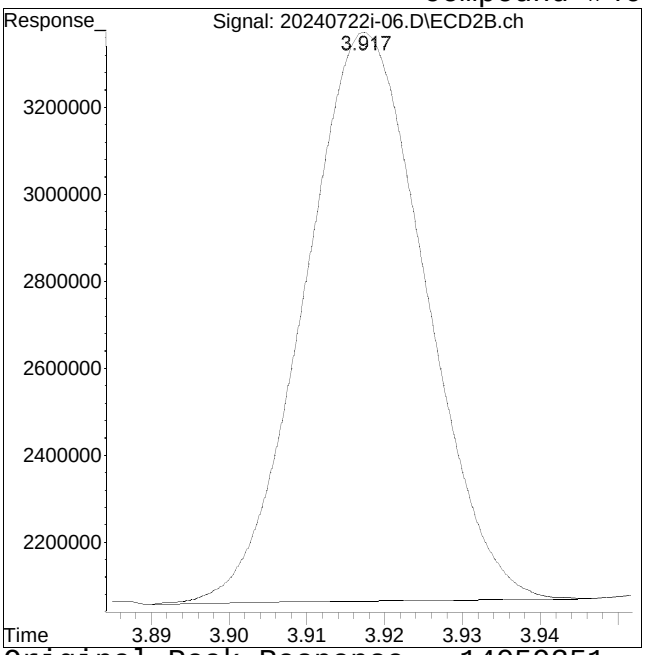
M4 = Poor automated baseline construction.

Manual Integration Report

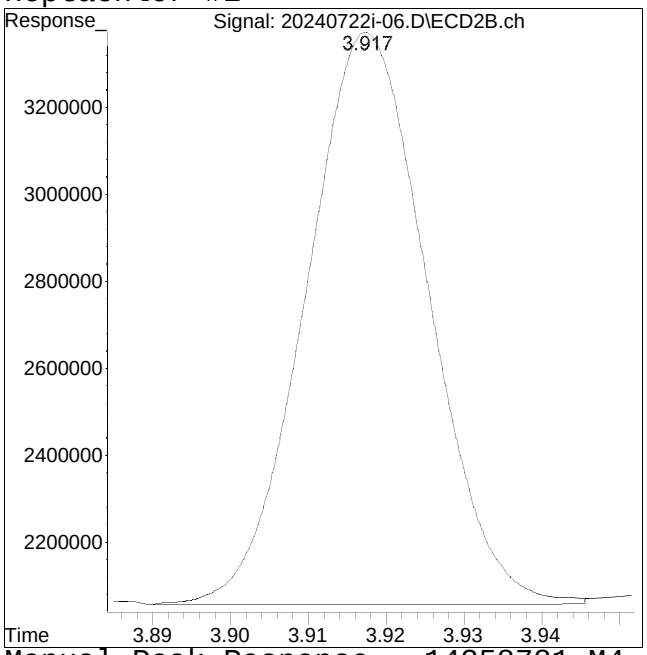
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-06.D
Date Inj'd : 7/22/2024 18:46
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:18 pm

Compound #46: Heptachlor #2



Original Peak Response = 14059351



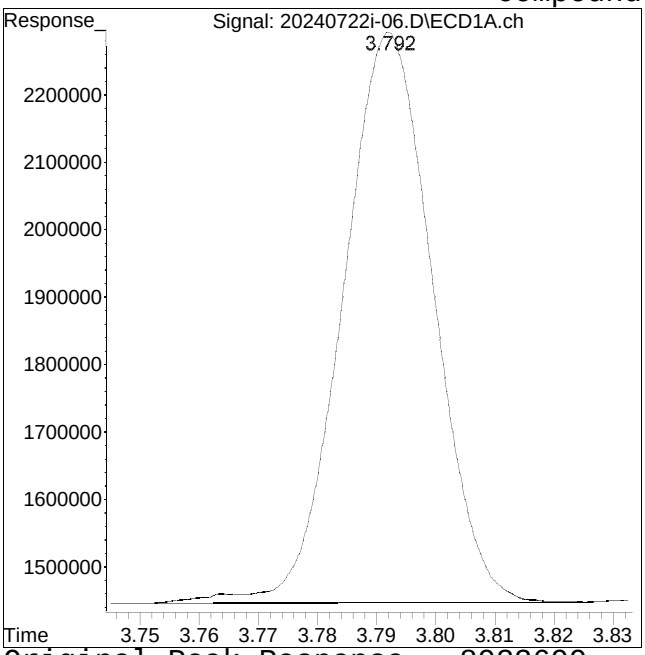
Manual Peak Response = 14258781 M4

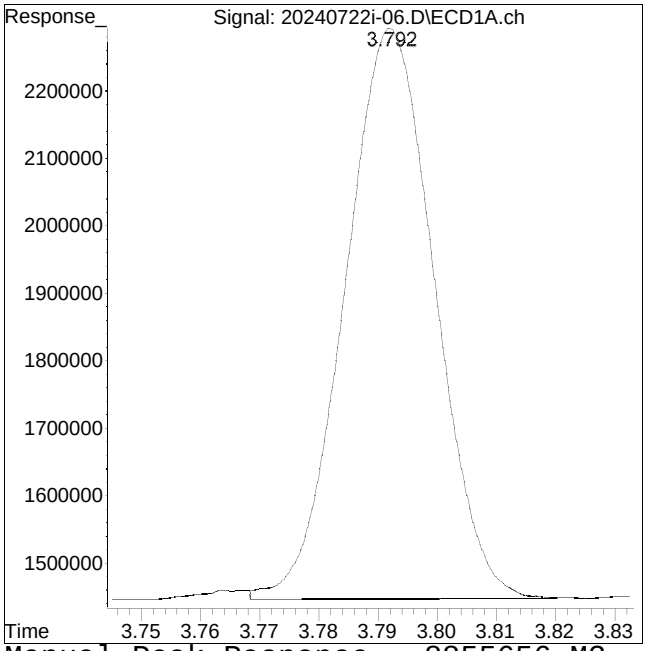
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #9: Aldrin





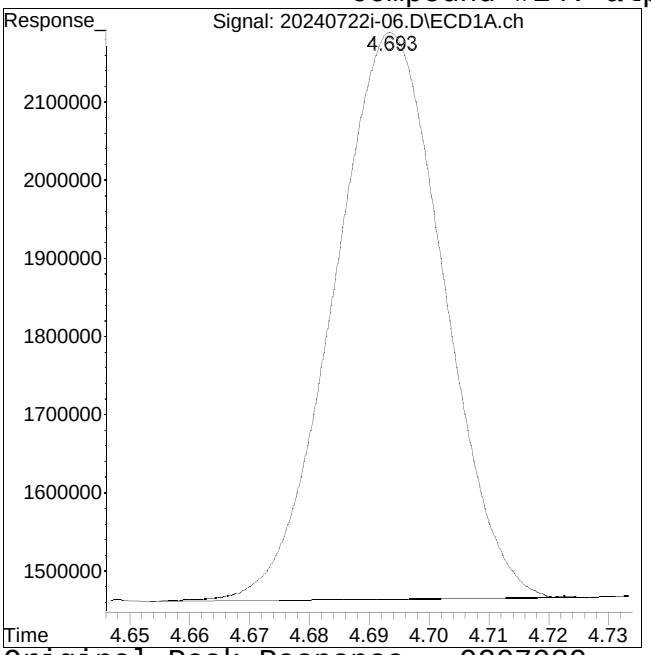
Original Peak Response = 8933699 Manual Peak Response = 8855656 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

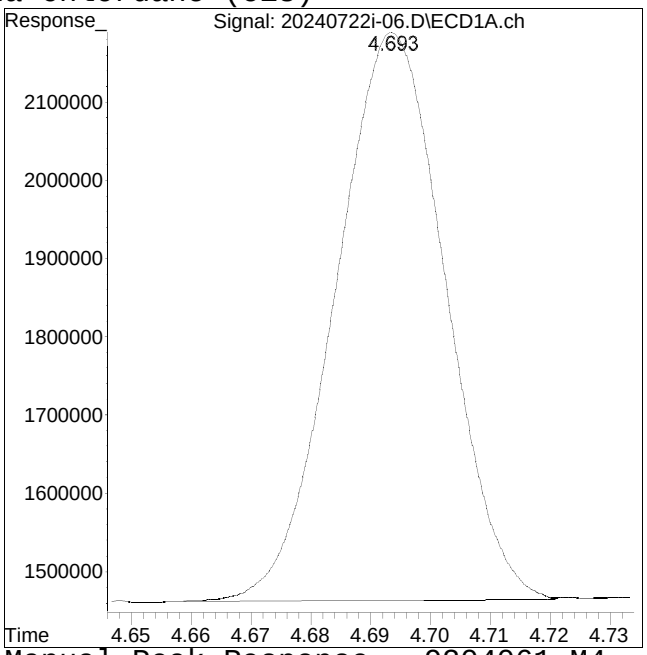
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-06.D
Date Inj'd : 7/22/2024 18:46
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:18 pm

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 9207039



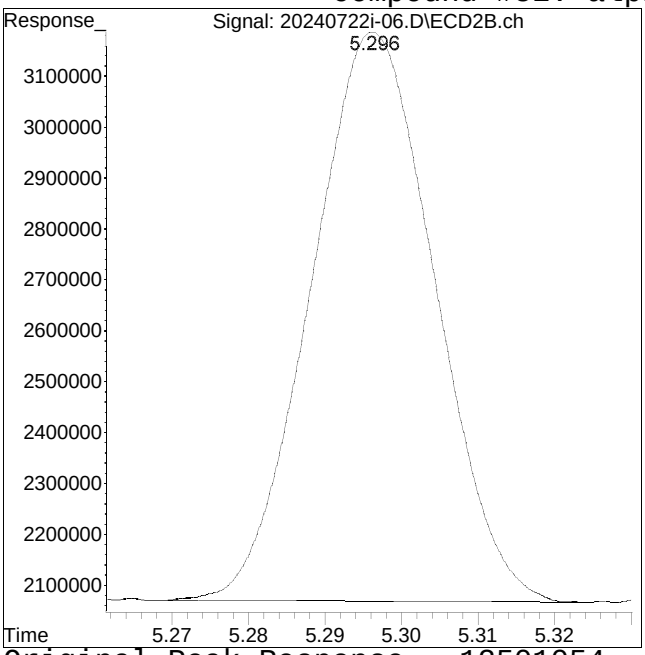
Manual Peak Response = 9204061 M4

M4 = Poor automated baseline construction.

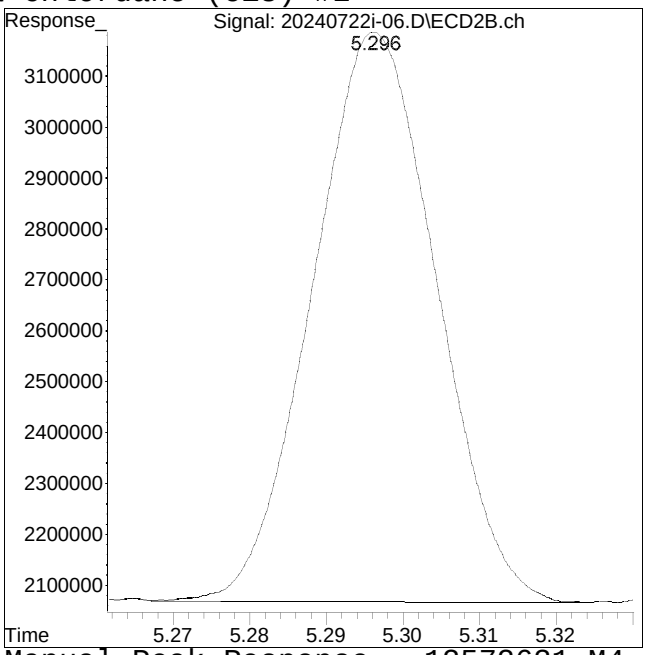
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 12501054



Manual Peak Response = 12572631 M4

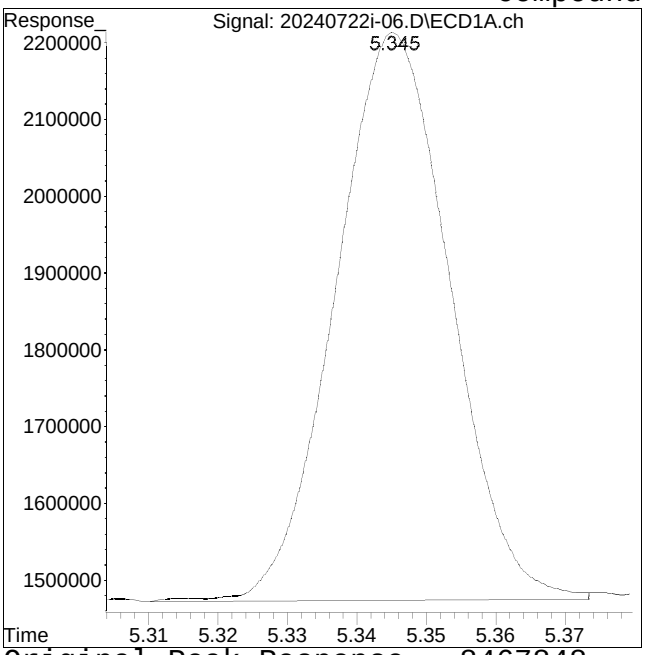
M4 = Poor automated baseline construction.

Manual Integration Report

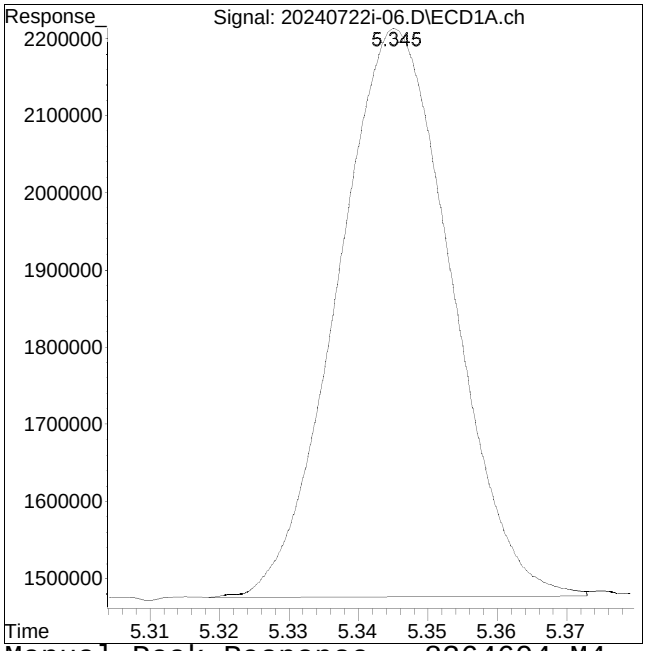
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-06.D
Date Inj'd : 7/22/2024 18:46
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:18 pm

Compound #18: Endrin



Original Peak Response = 8467848



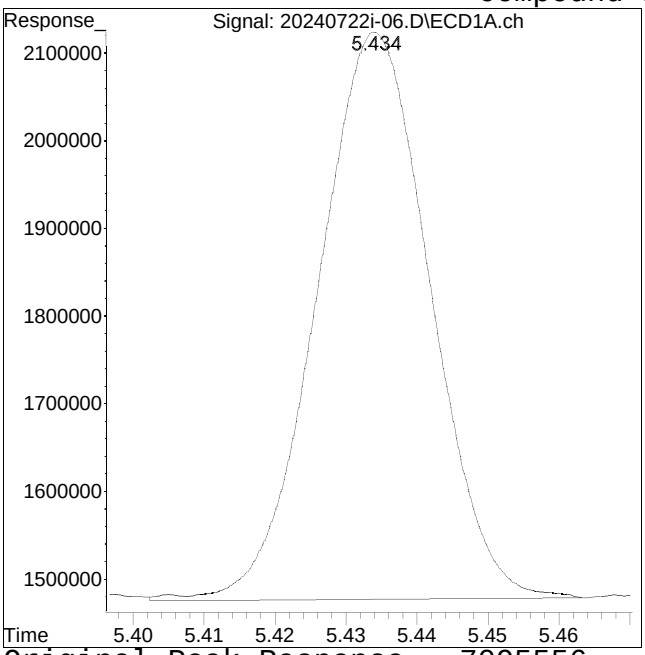
Manual Peak Response = 8364604 M4

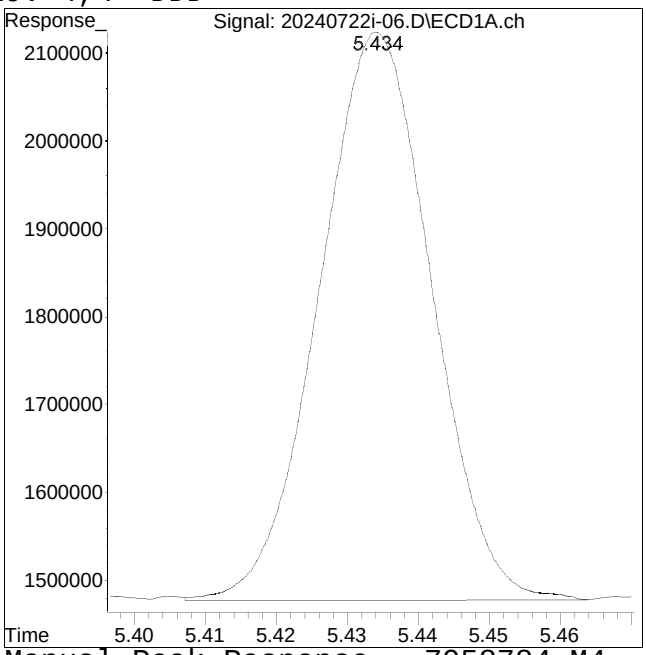
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #19: 4,4'-DDD



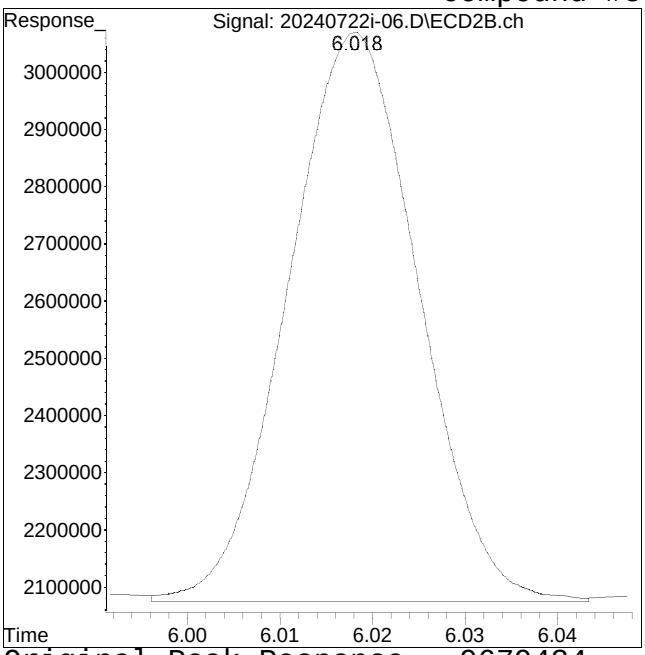


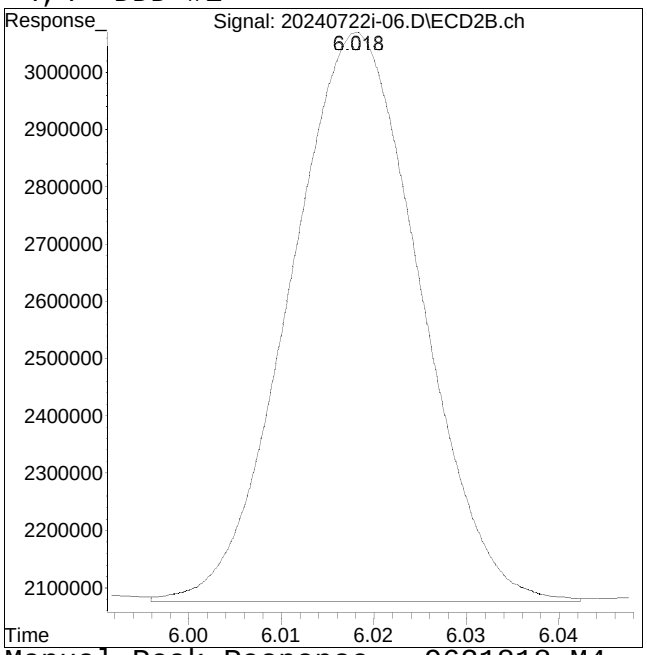
Original Peak Response = 7095556 Manual Peak Response = 7058784 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #57: 4,4'-DDD #2



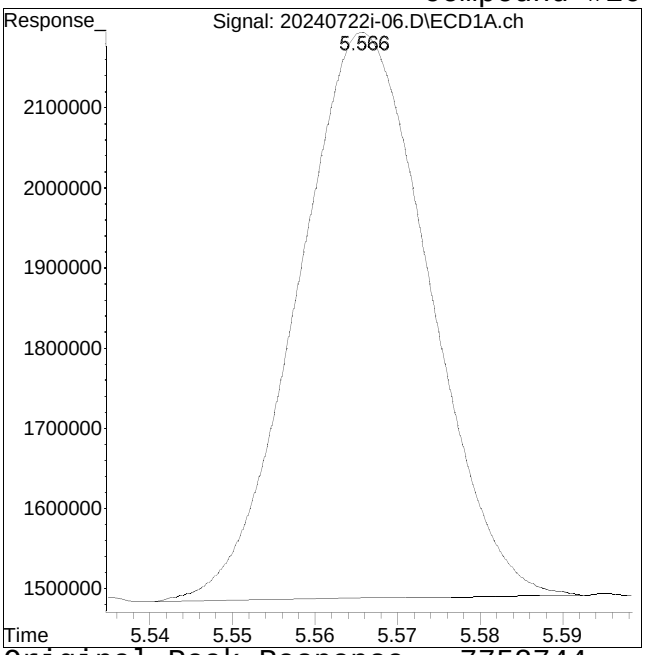


Original Peak Response = 9679434 Manual Peak Response = 9621818 M4
M4 = Poor automated baseline construction.

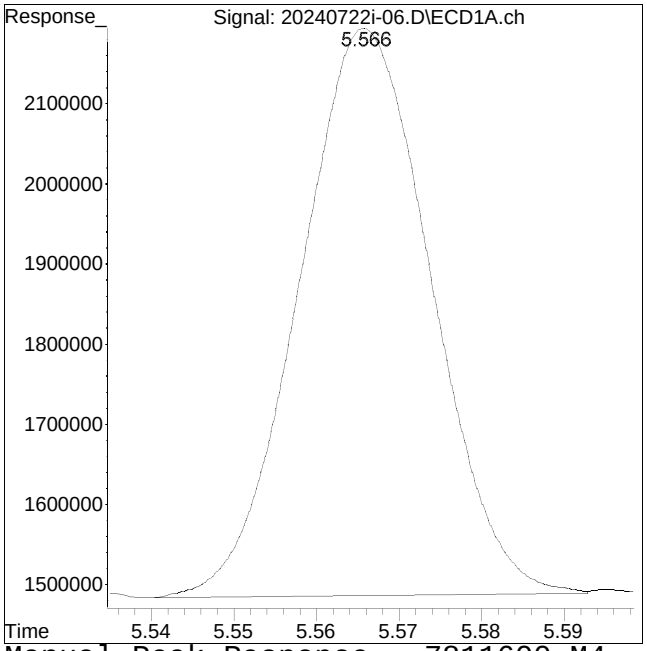
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #20: Endosulfan II



Original Peak Response = 7752744



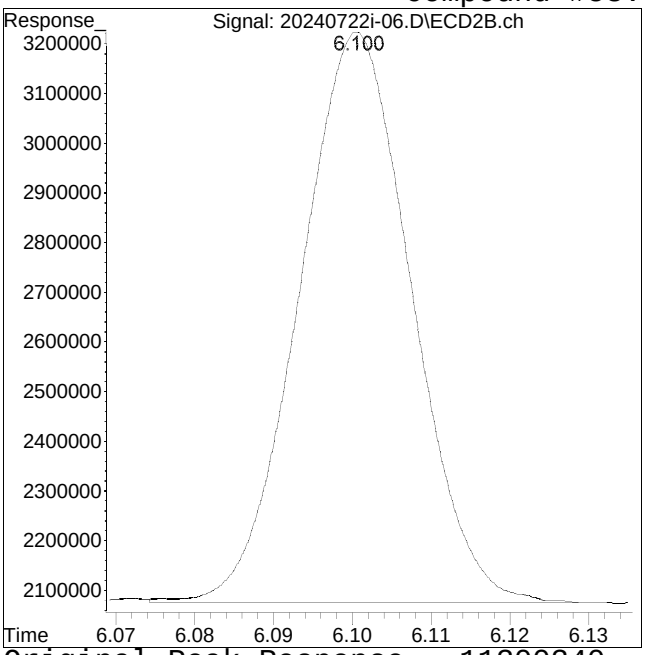
Manual Peak Response = 7811600 M4

M4 = Poor automated baseline construction.

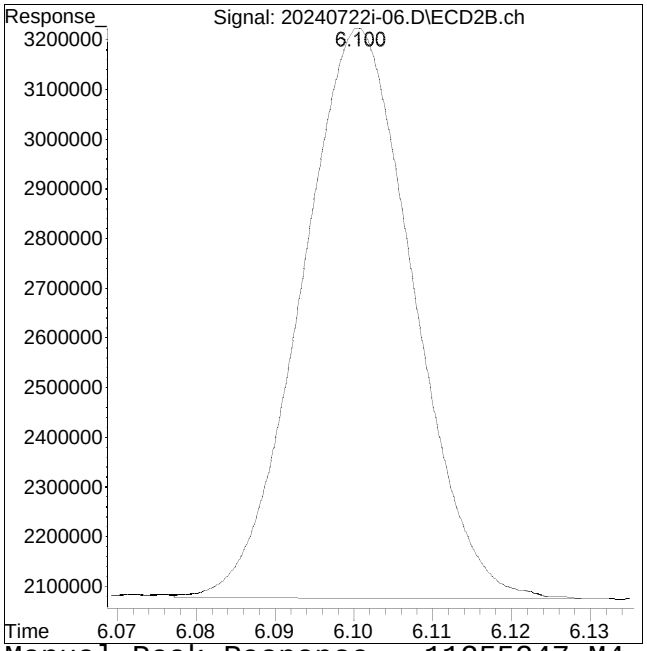
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #58: Endosulfan II #2



Original Peak Response = 11300340



Manual Peak Response = 11255247 M4

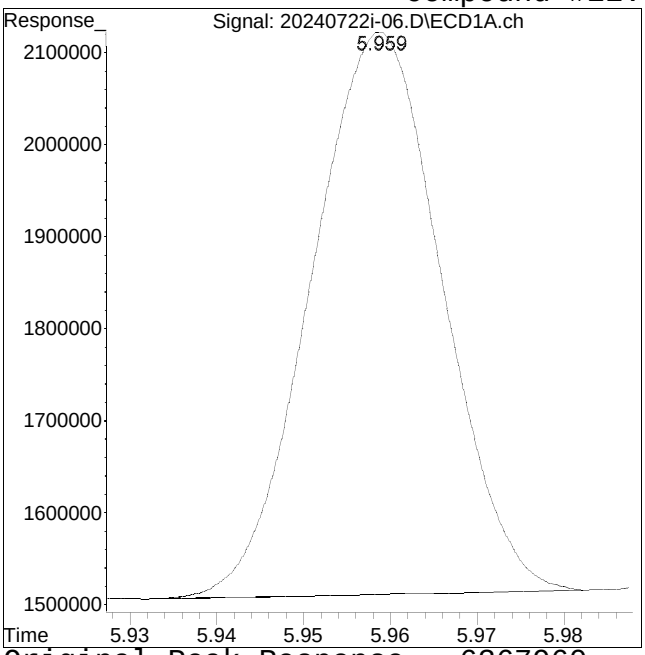
M4 = Poor automated baseline construction.

Manual Integration Report

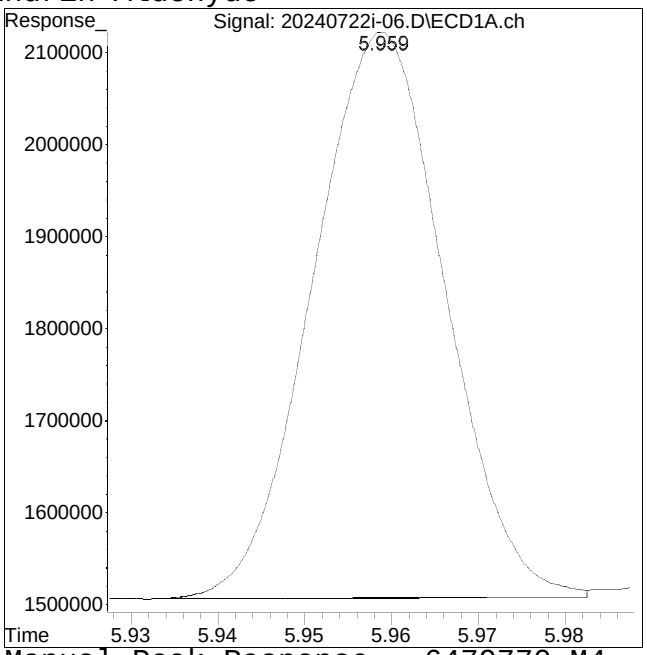
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-06.D
Date Inj'd : 7/22/2024 18:46
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:18 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 6367960



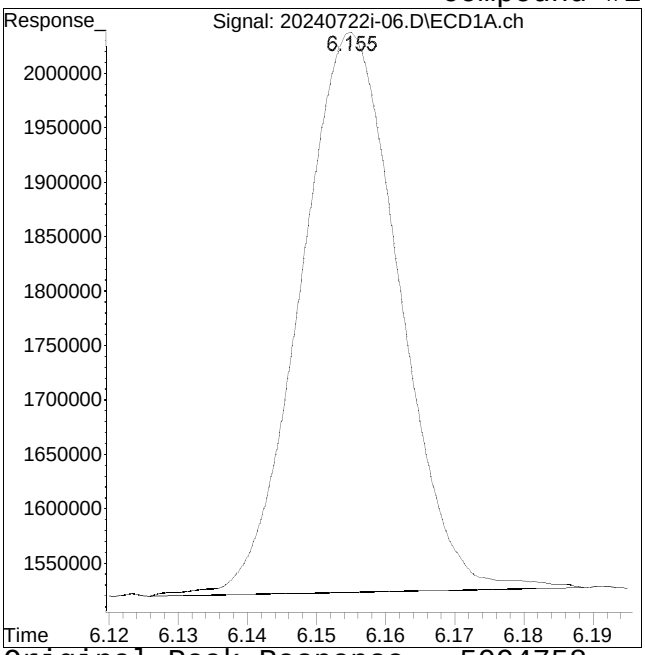
Manual Peak Response = 6479770 M4

M4 = Poor automated baseline construction.

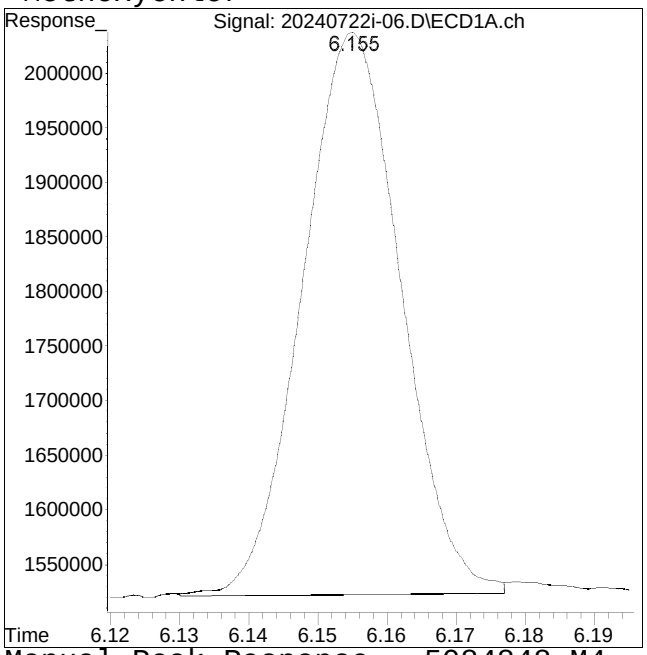
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-06.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:46 Instrument : PEST 20
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 7/23/2024 1:18 pm

Compound #23: Methoxychlor



Original Peak Response = 5094758



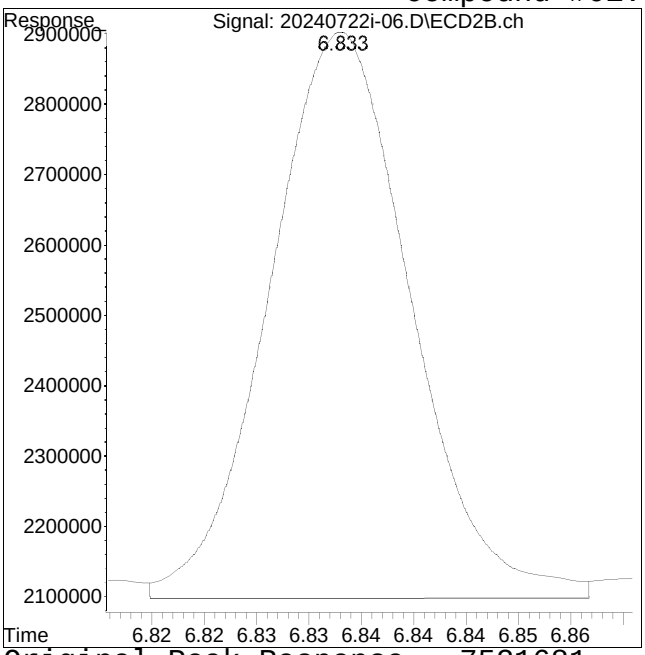
Manual Peak Response = 5084848 M4

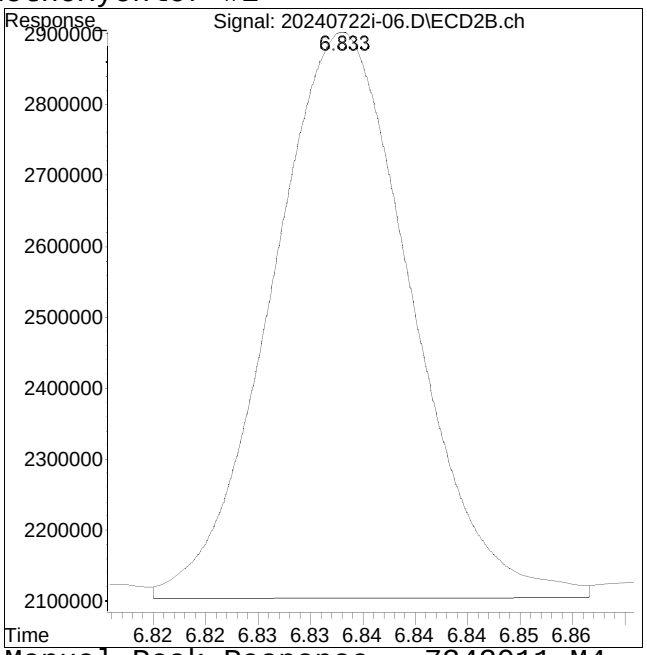
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-06.D
Date Inj'd : 7/22/2024 18:46
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:18 pm

Compound #61: Methoxychlor #2



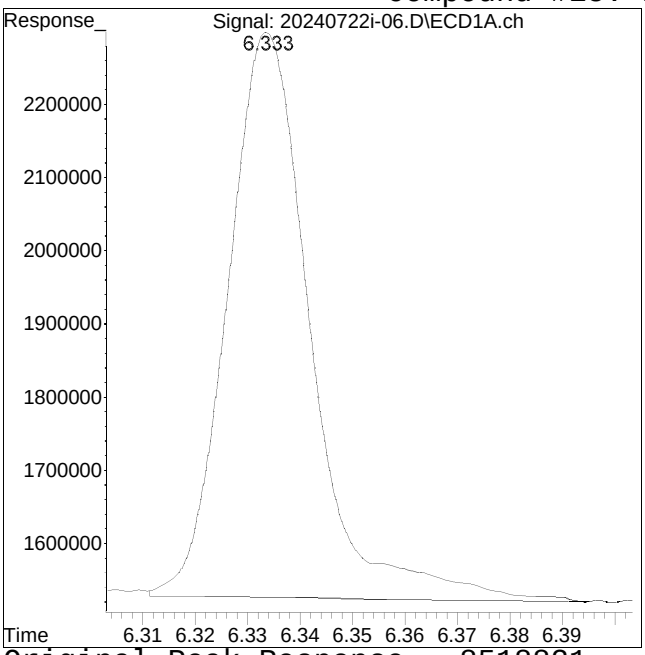


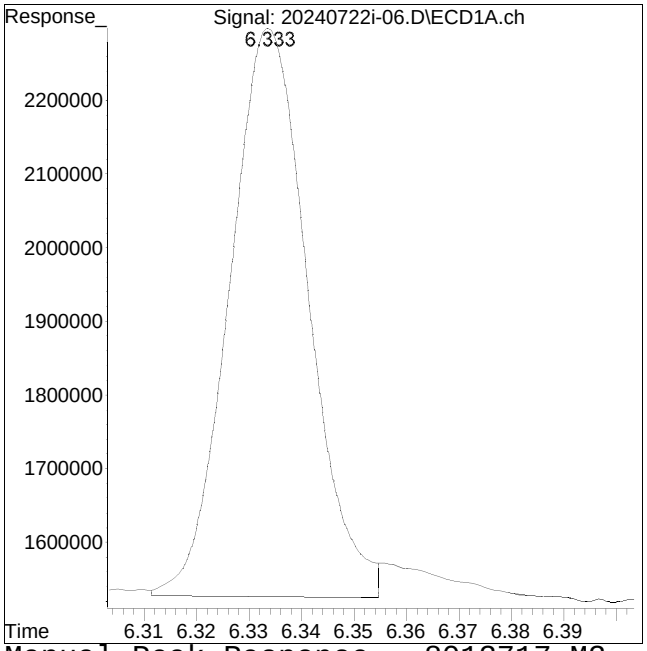
Original Peak Response = 7521681 Manual Peak Response = 7343011 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-06.D
Date Inj'd : 7/22/2024 18:46
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:18 pm

Compound #25: Endosulfan Sulfate





Original Peak Response = 8518821 Manual Peak Response = 8013717 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:59
Operator : pest20:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:11:32 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:11:22 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	2.006	2.062	53029471	84333663	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.472	2.662	11561163	17005155	4.784	4.484
	Spiked Amount 50.000	Range 30 - 150		Recovery =		9.57%#	8.97%#
27) s	Decachlorobi	7.336	7.906	12231060	15385400	5.203	4.997M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		10.41%#	9.99%#
	Target Compounds						
3)	Hexachlorobe	2.738	3.039	12841006	18722181	5.082M3	4.800
4)	alpha-BHC	2.861	3.152	13345439	19906753	4.153	3.875
5)	gamma-BHC (l	3.106	3.476	12828849	19074756	4.383	4.069
6)	beta-BHC	3.173	3.551	7203976	10528668	5.203M4	4.821
7)	delta-BHC	3.323	3.847	12643763	18808707	4.284M4	3.957
8)	Heptachlor	3.512	3.917	13498657	19333567	4.795	4.438M4
9)	Aldrin	3.790	4.267	12105241	16903923	4.415	4.129
10)	Alachlor	3.933	4.141	2261030	3161970	5.054	5.138M4
11)	Chlorpyrifos	4.032	4.524	7516464	11253848	5.573M4	5.263M4
12)	Heptachlor E	4.406	4.929	12128743	17604106	4.771M4	4.502
13)	gamma-Chlord	4.543	5.140	12741725	15596731	5.483	4.513M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:59
Operator : pest20:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:11:32 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:11:22 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
14)		alpha-Chlord	4.692	5.296	12528355	17148296	4.787M4	4.461M4
15)		4,4'-DDE	4.794	5.474	11560886	16601241	4.372	4.316
16)		Endosulfan I	4.845	5.353	11262302	15906066	4.688	4.424M4
17)		Dieldrin	5.107	5.627	12144093	15543343	4.841M4	4.169
18)		Endrin	5.344	5.911	11330449	15846400	4.507M4	4.173
19)		4,4'-DDD	5.433	6.018	9463969	12923296	4.455	4.096
20)		Endosulfan I	5.565	6.100	10457935	15083678	4.713M4	4.446
21)		4,4'-DDT	5.703	6.285	10547186	14885199	4.583M4	4.230M4
22)		Endrin Aldeh	5.958	6.386	8749548	12278704	4.612	4.289
23)		Methoxychlor	6.154	6.832	6820701	9549003	5.264M4	4.987M3
24)		Mirex	6.233	6.988	10572599	14669134	5.329	5.224M4
25)		Endosulfan S	6.332	6.608	10500074	14961719	4.983M3	4.571
26)		Endrin Keton	6.556	7.020	11264559	16316077	4.690	4.403
29)	l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:59
Operator : pest20:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:11:32 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:11:22 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

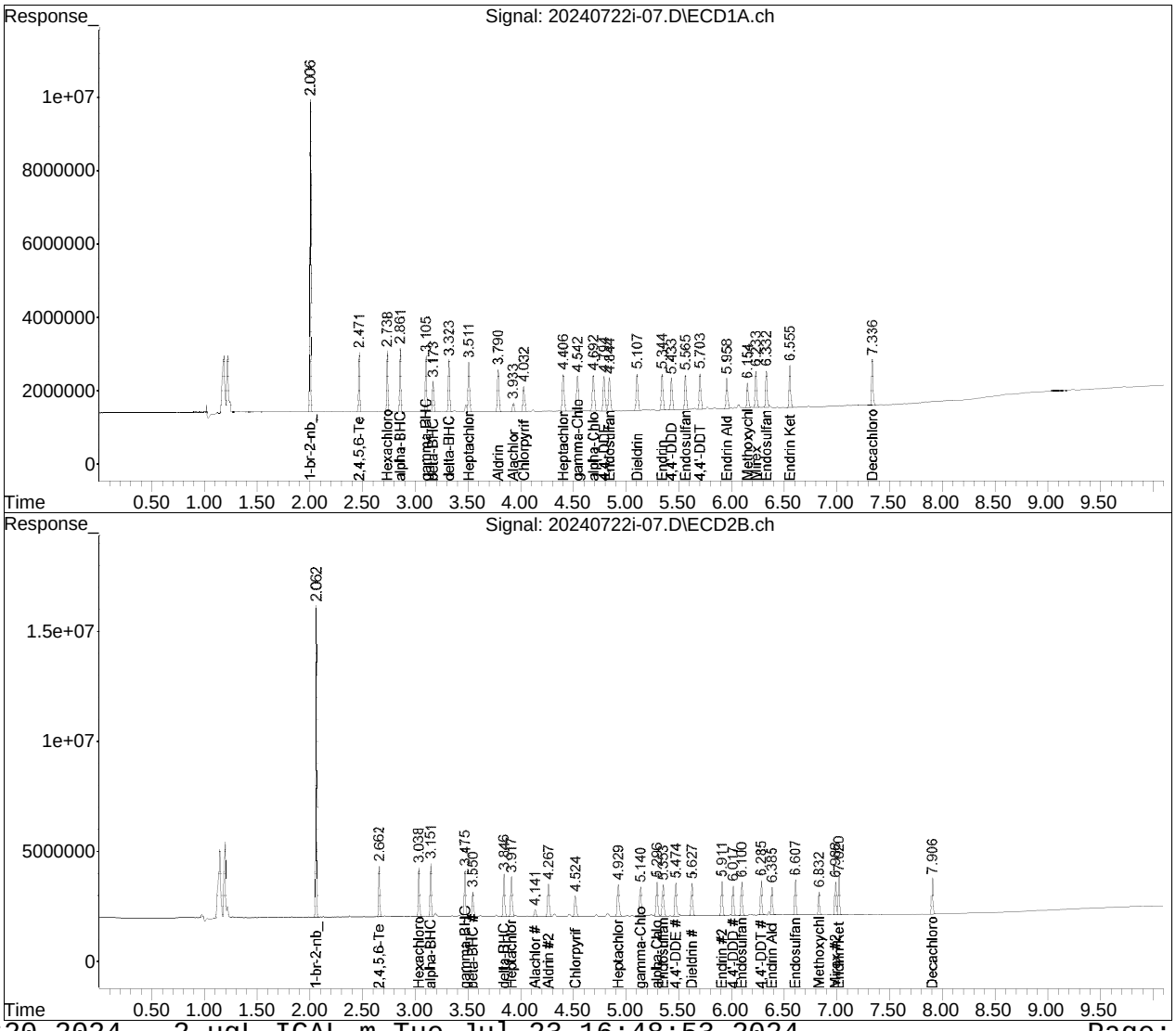
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 18:59
Operator : pest20:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:11:32 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:11:22 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

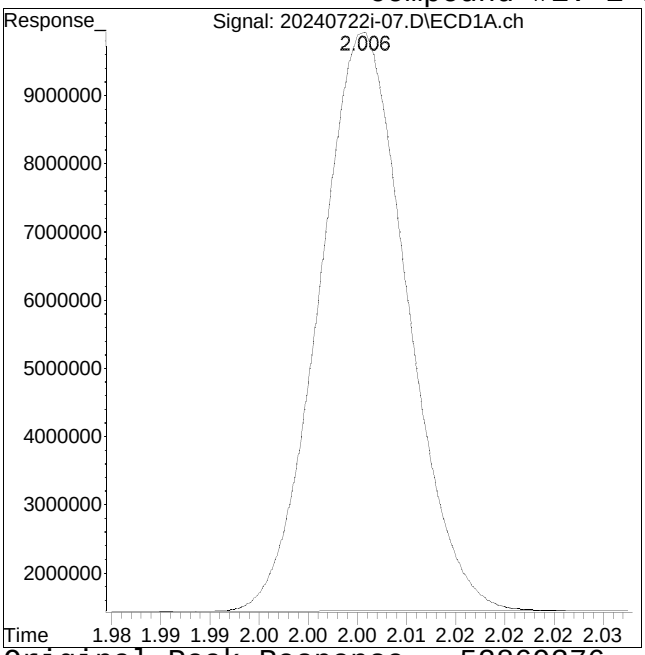


Manual Integration Report

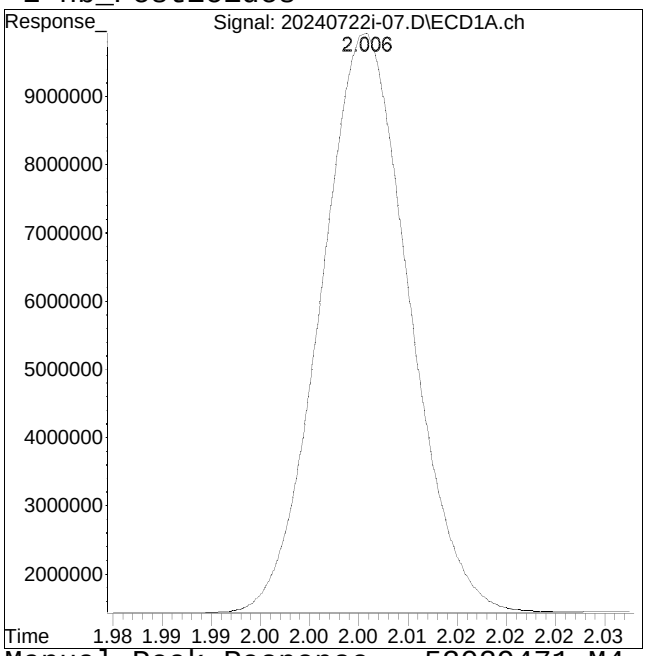
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 52869376



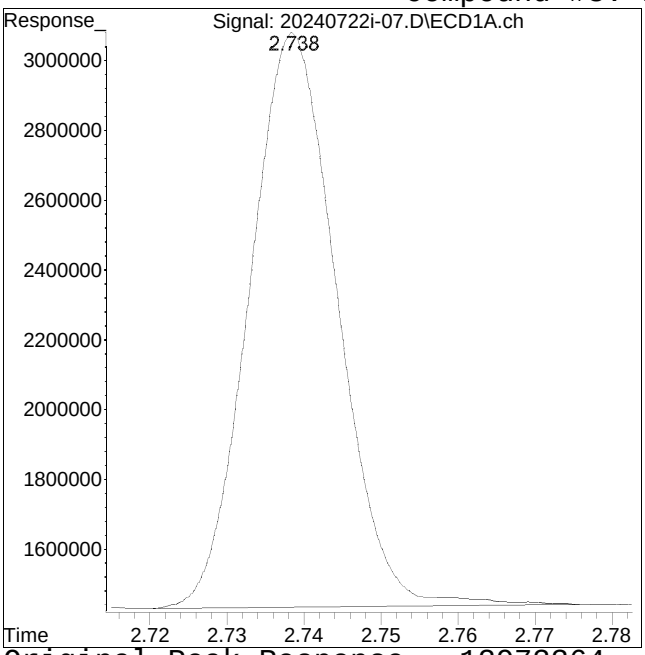
Manual Peak Response = 53029471 M4

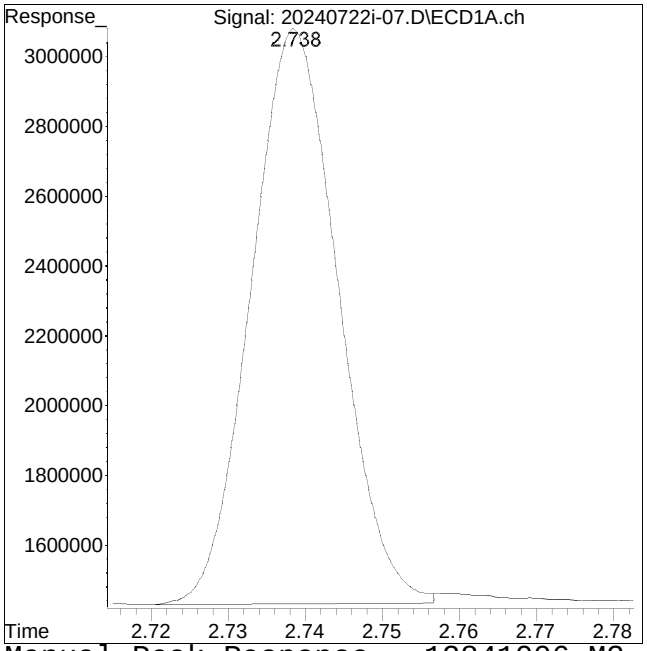
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #3: Hexachlorobenzene



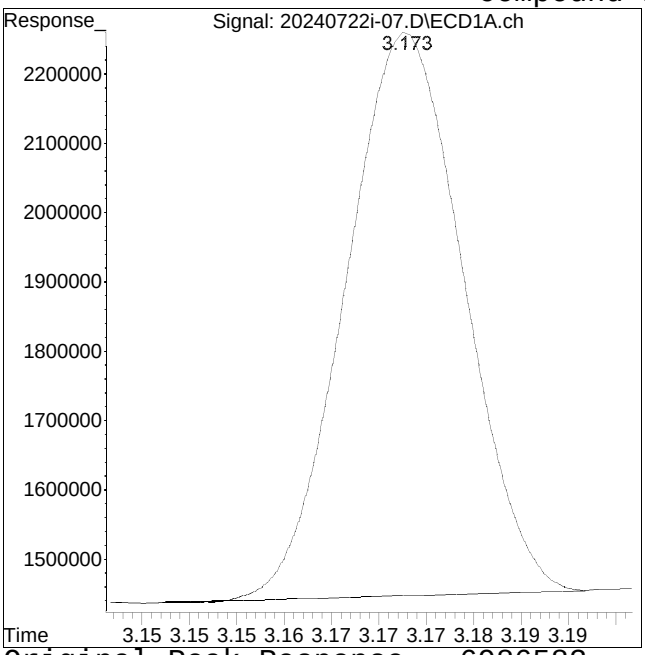


Original Peak Response = 12973364 Manual Peak Response = 12841006 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

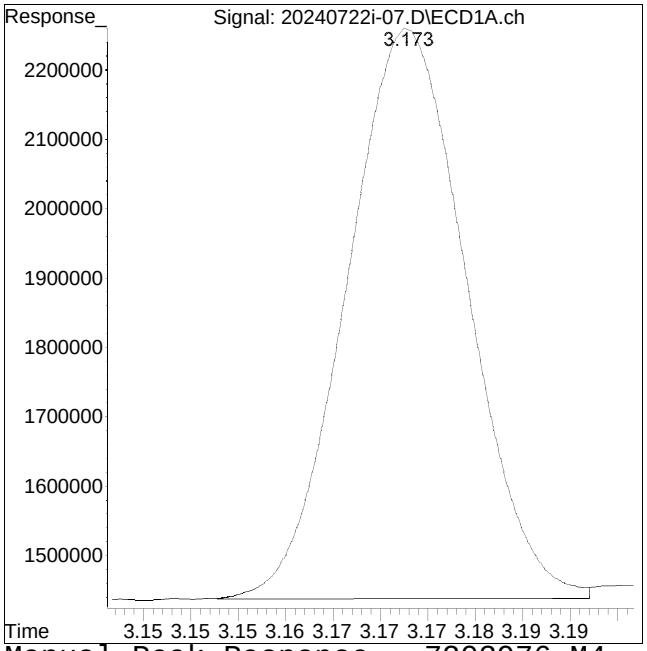
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #6: beta-BHC



Original Peak Response = 6986583



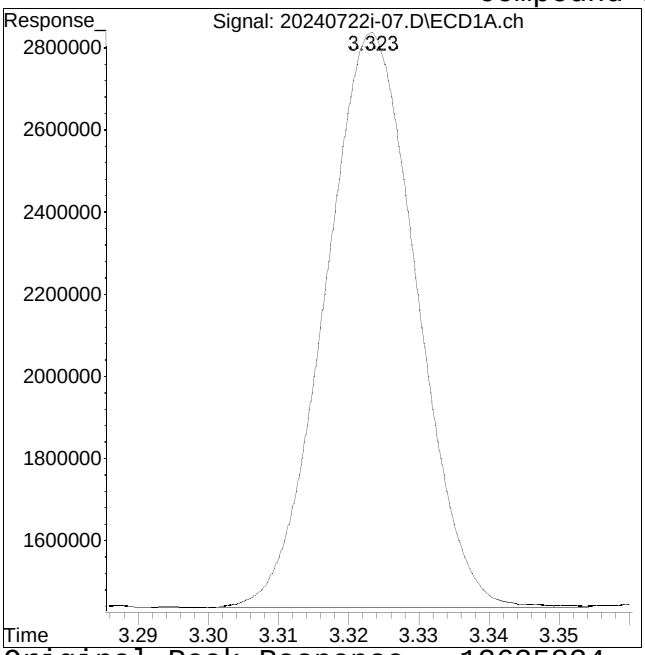
Manual Peak Response = 7203976 M4

M4 = Poor automated baseline construction.

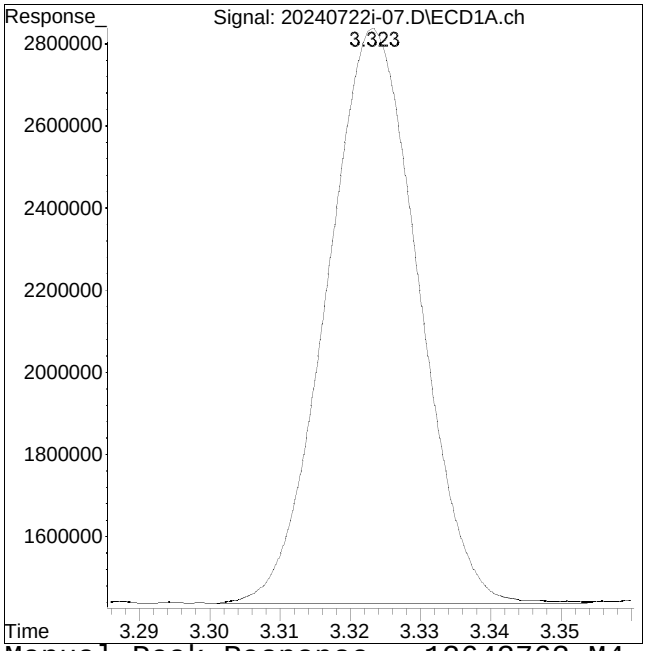
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #7: delta-BHC



Original Peak Response = 12635834



Manual Peak Response = 12643763 M4

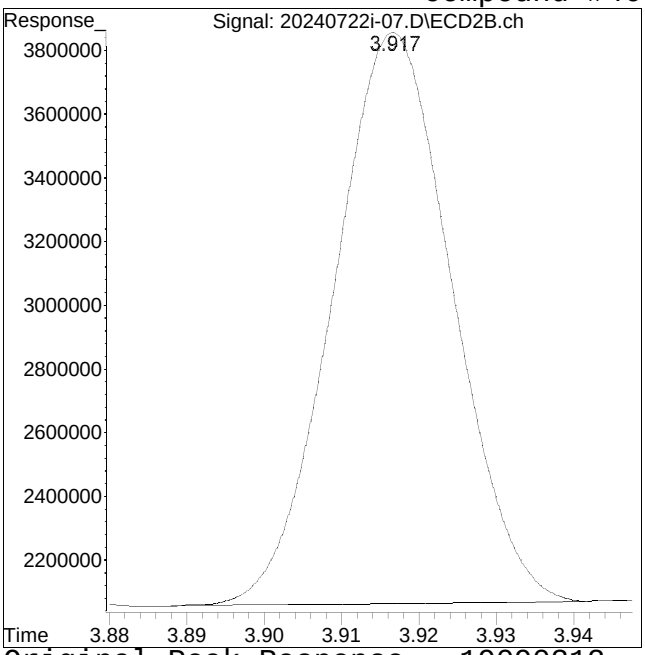
M4 = Poor automated baseline construction.

Manual Integration Report

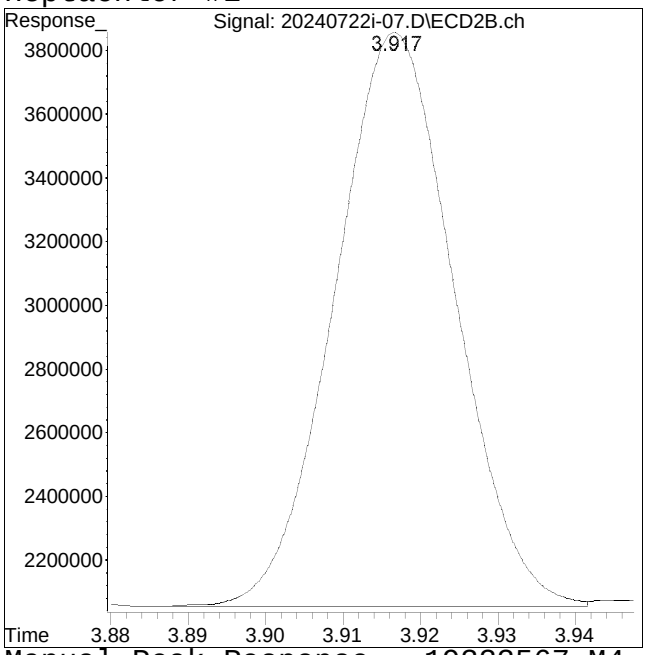
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #46: Heptachlor #2



Original Peak Response = 19090312



Manual Peak Response = 19333567 M4

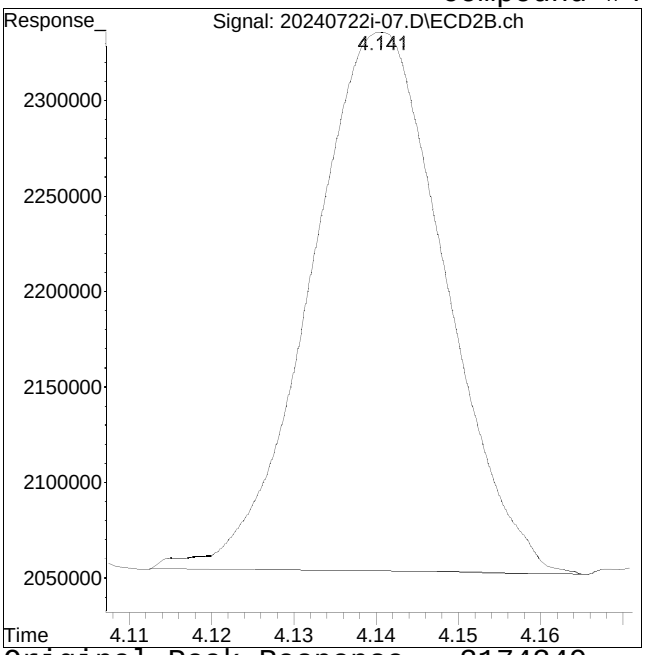
M4 = Poor automated baseline construction.

Manual Integration Report

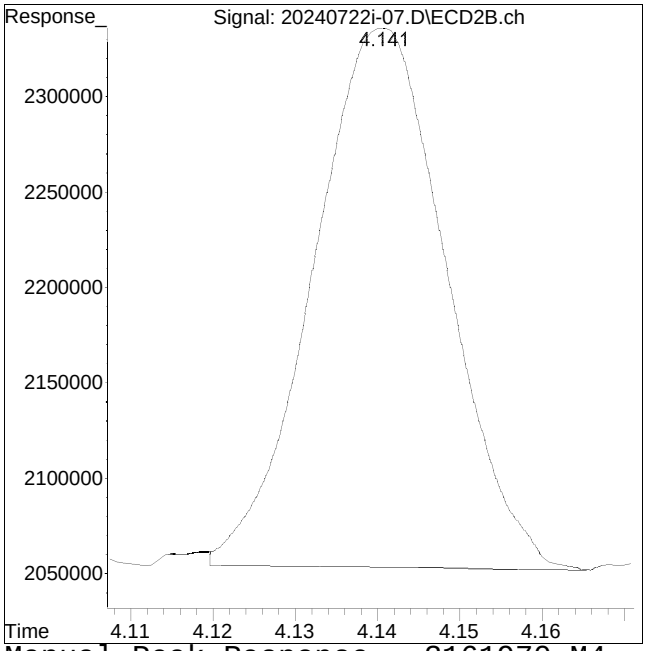
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #48: Alachlor #2



Original Peak Response = 3174349



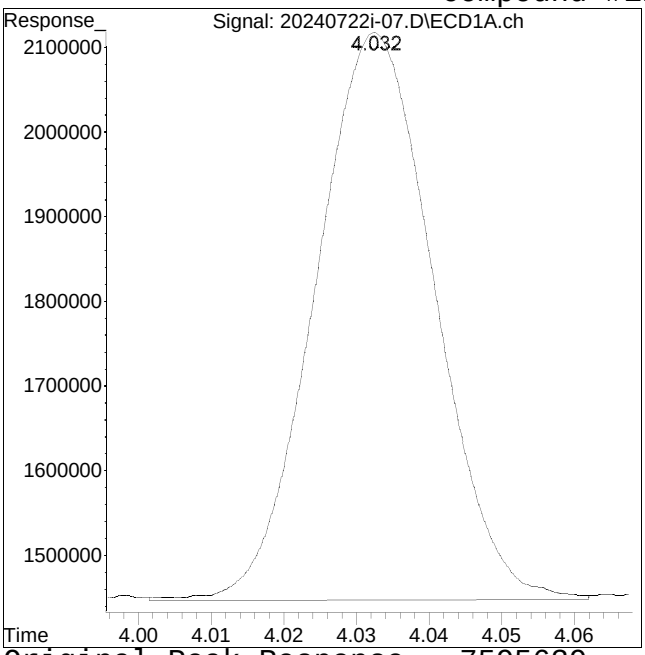
Manual Peak Response = 3161970 M4

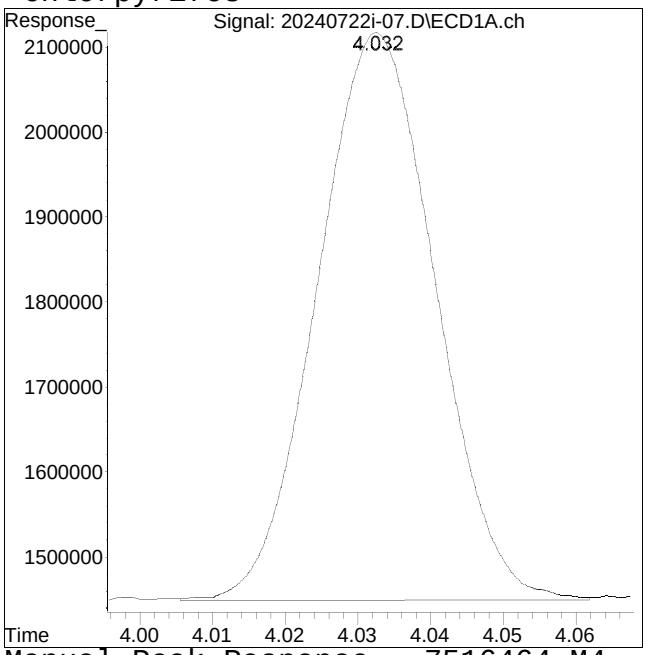
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #11: Chlorpyrifos



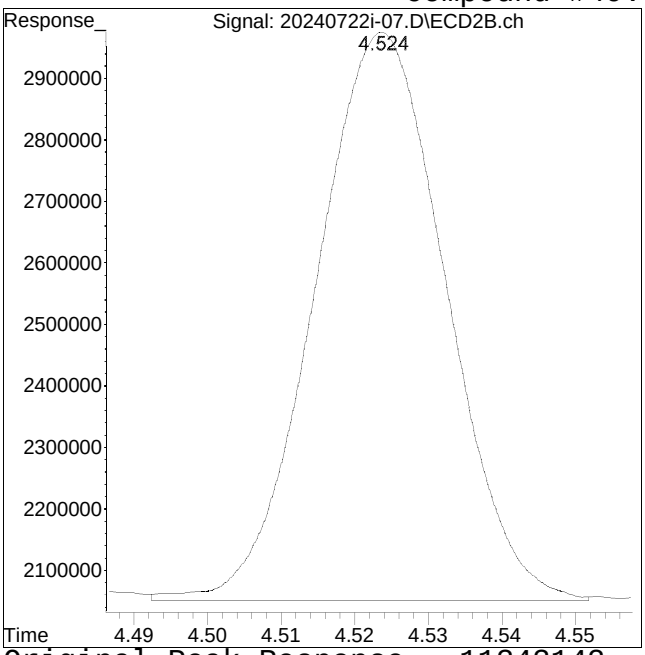


Original Peak Response = 7595639 Manual Peak Response = 7516464 M4
M4 = Poor automated baseline construction.

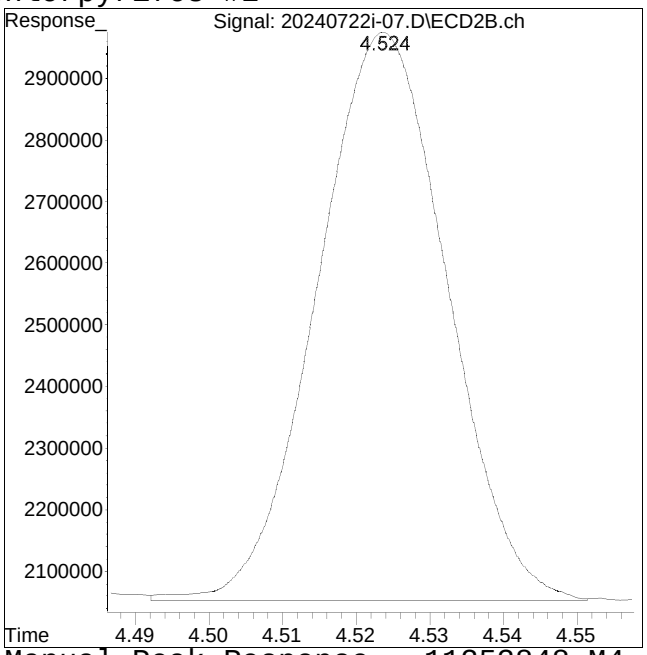
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #49: Chlorpyrifos #2



Original Peak Response = 11343142



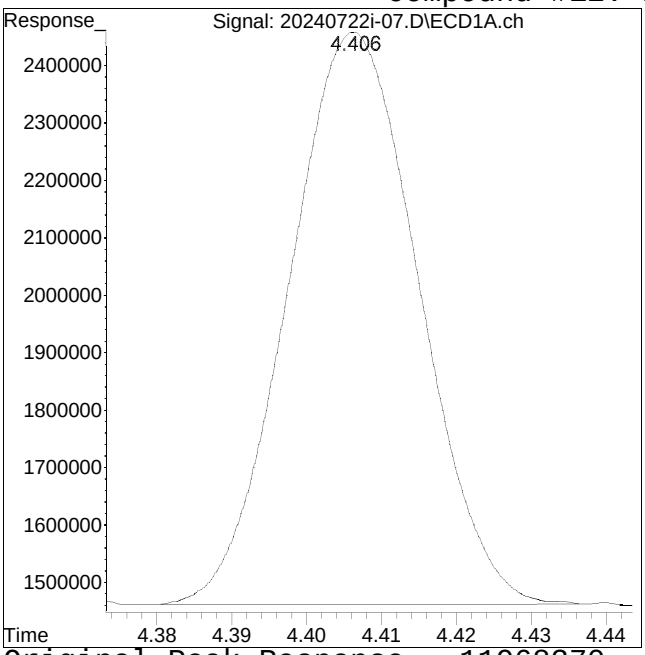
Manual Peak Response = 11253848 M4

M4 = Poor automated baseline construction.

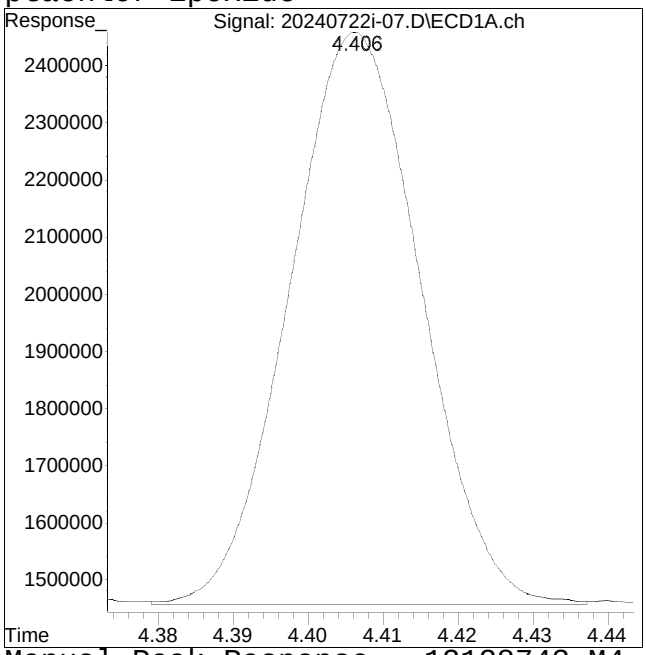
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #12: Heptachlor Epoxide



Original Peak Response = 11968370



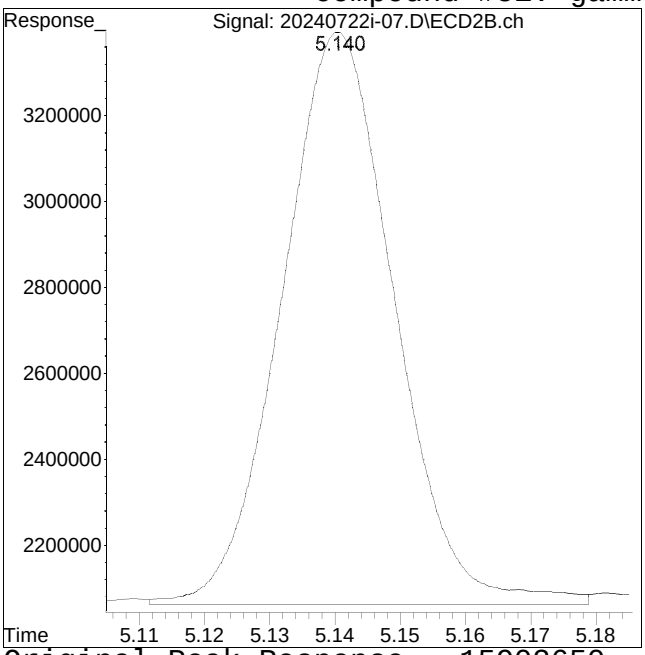
Manual Peak Response = 12128743 M4

M4 = Poor automated baseline construction.

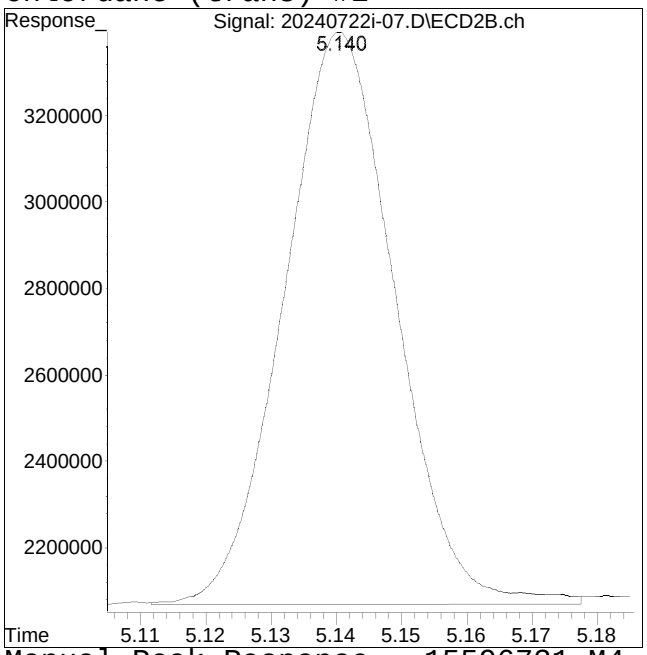
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 15902650



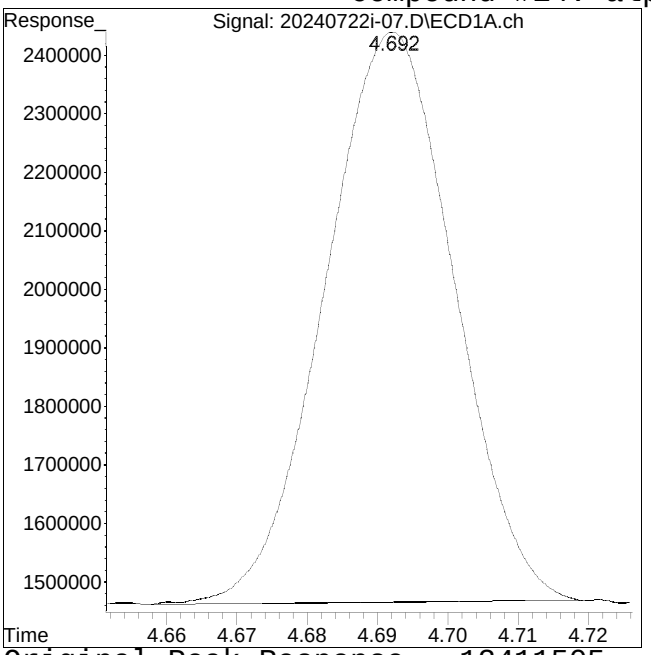
Manual Peak Response = 15596731 M4

M4 = Poor automated baseline construction.

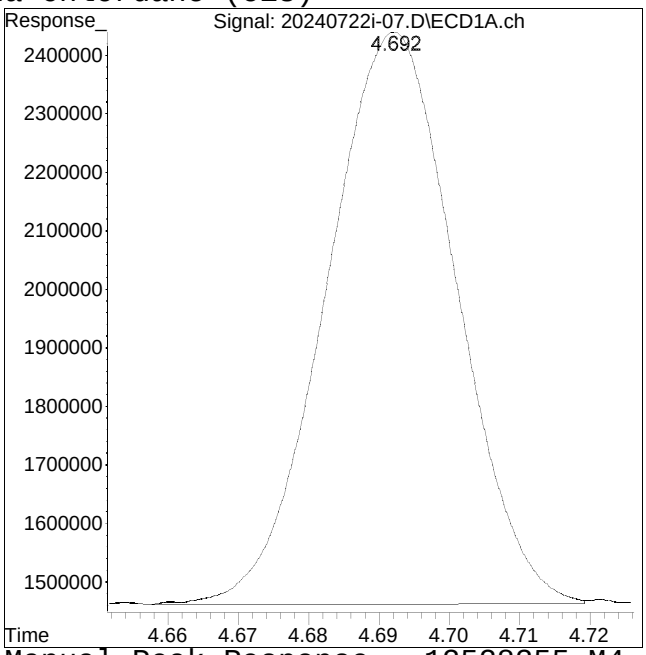
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 12411505



Manual Peak Response = 12528355 M4

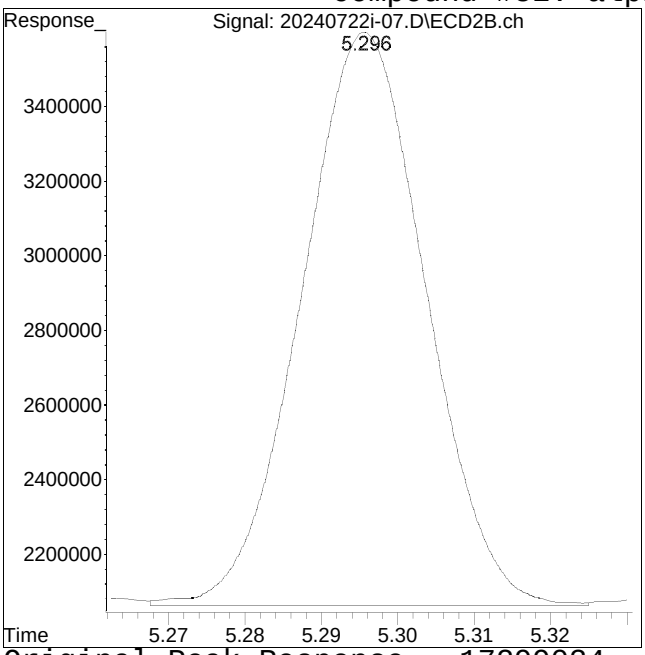
M4 = Poor automated baseline construction.

Manual Integration Report

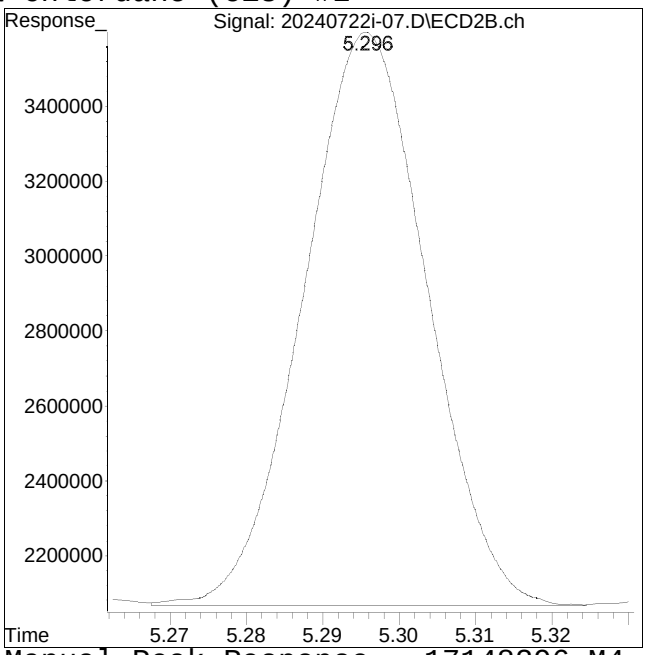
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 17299034



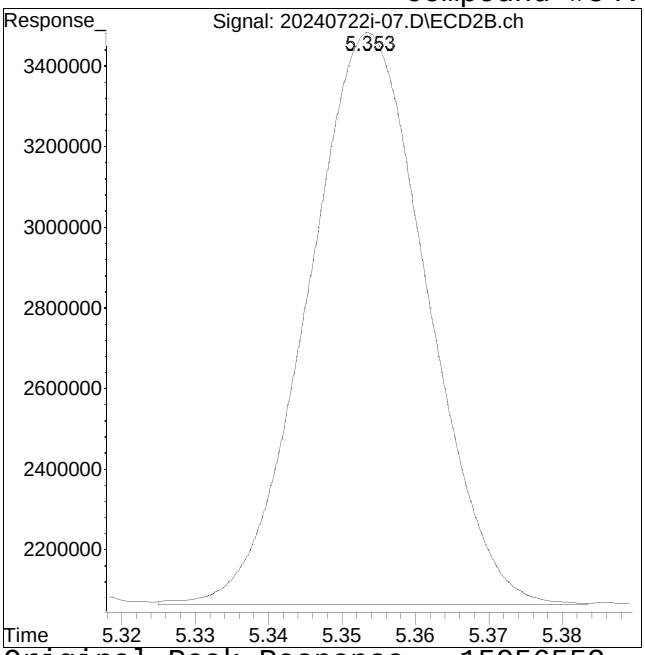
Manual Peak Response = 17148296 M4

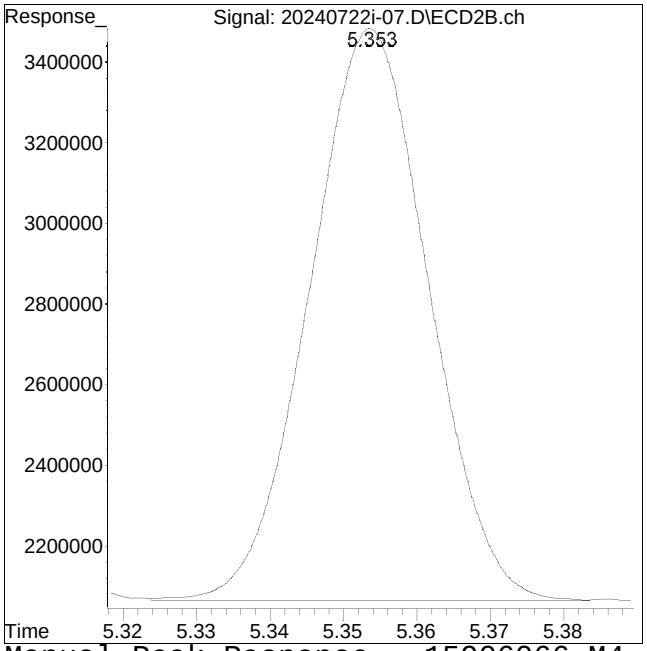
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #54: Endosulfan I #2





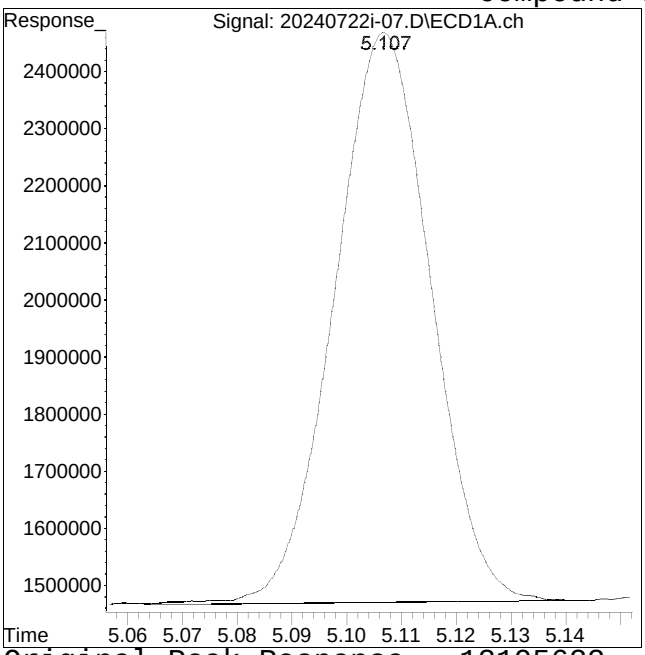
Original Peak Response = 15956552 Manual Peak Response = 15906066 M4
M4 = Poor automated baseline construction.

Manual Integration Report

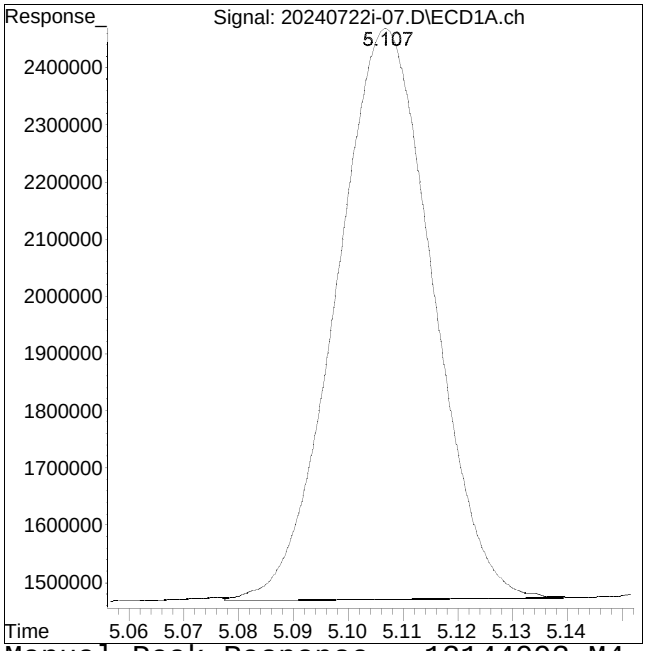
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #17: Dieldrin



Original Peak Response = 12195622



Manual Peak Response = 12144093 M4

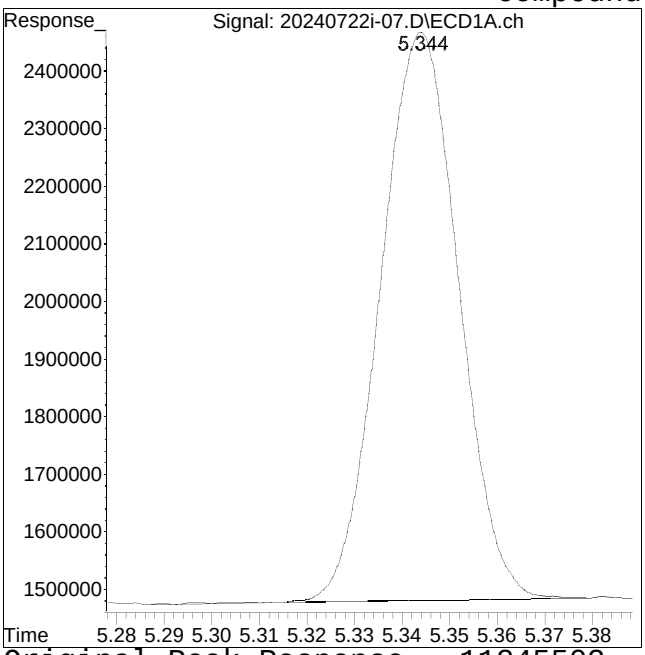
M4 = Poor automated baseline construction.

Manual Integration Report

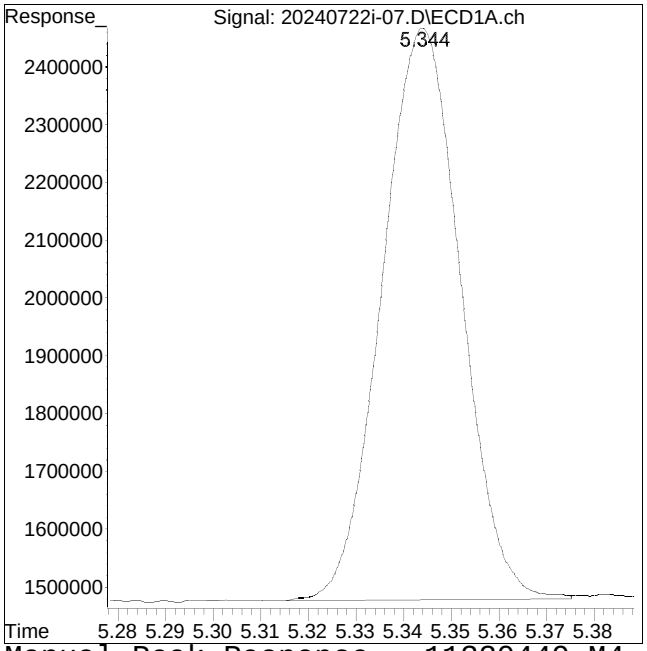
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #18: Endrin



Original Peak Response = 11245502



Manual Peak Response = 11330449 M4

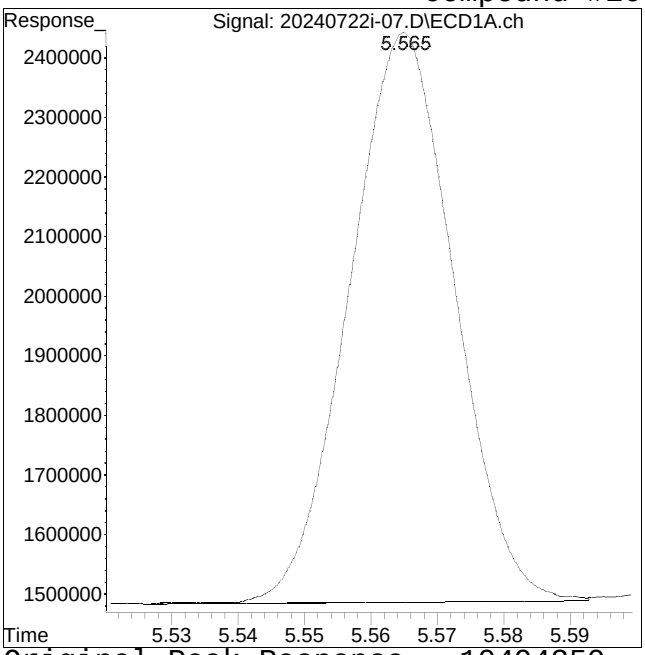
M4 = Poor automated baseline construction.

Manual Integration Report

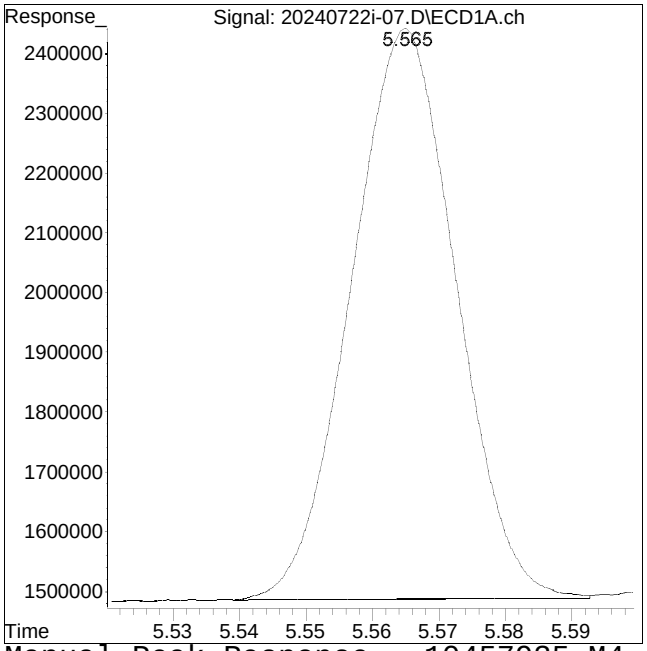
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #20: Endosulfan II



Original Peak Response = 10494350



Manual Peak Response = 10457935 M4

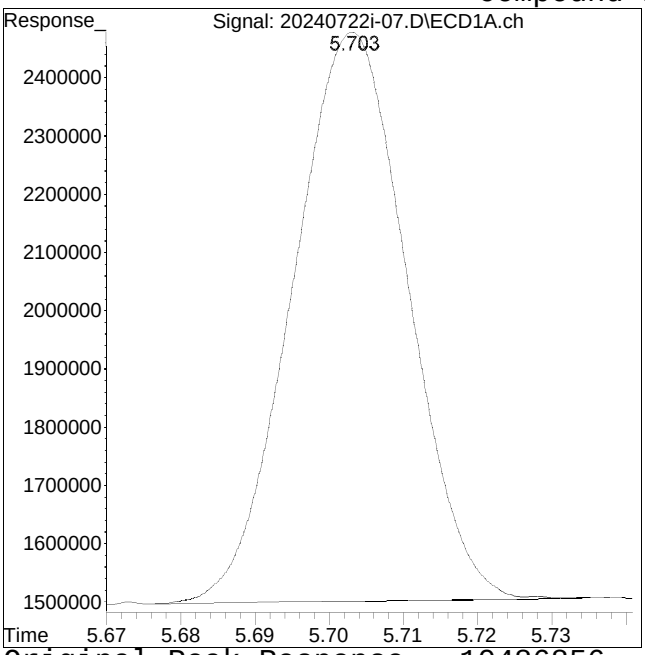
M4 = Poor automated baseline construction.

Manual Integration Report

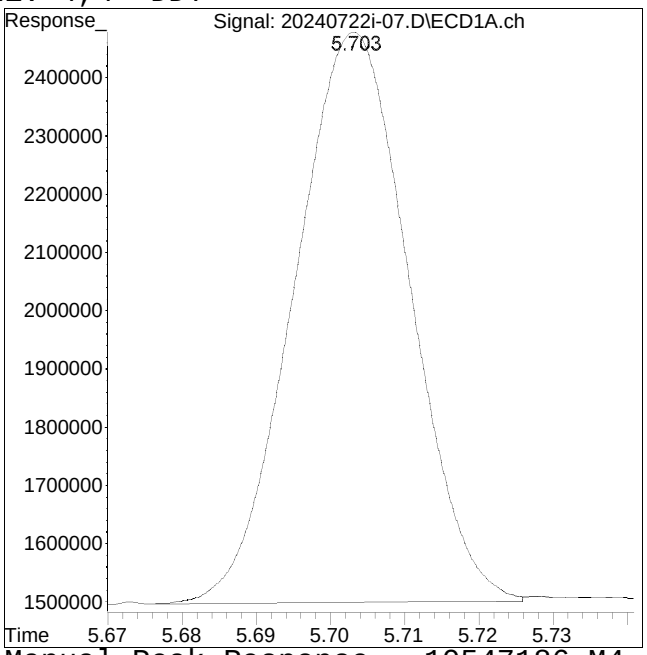
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #21: 4,4'-DDT



Original Peak Response = 10486856



Manual Peak Response = 10547186 M4

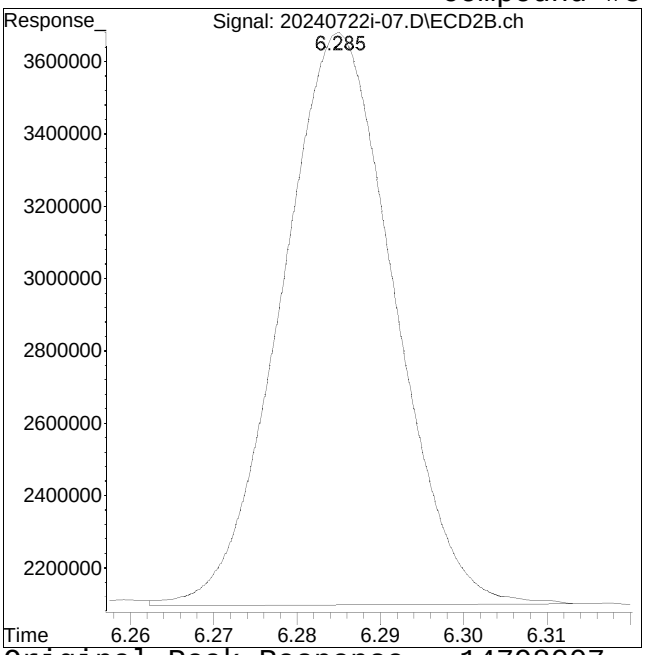
M4 = Poor automated baseline construction.

Manual Integration Report

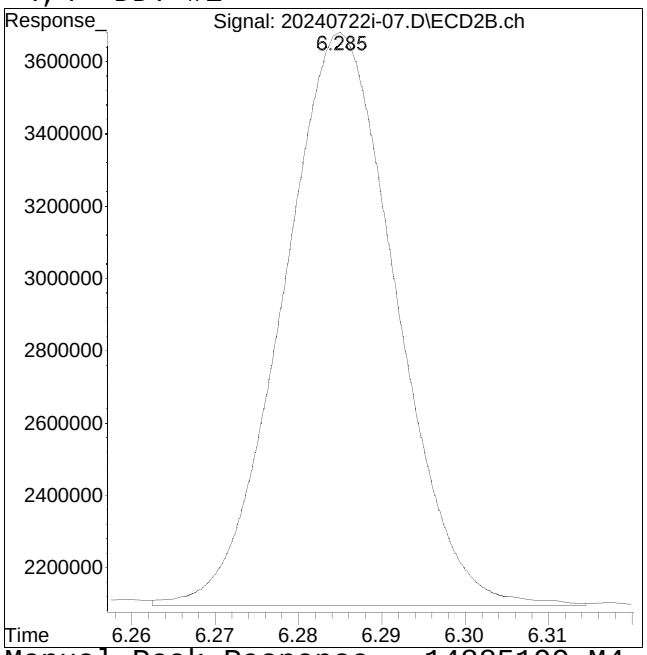
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #59: 4,4'-DDT #2



Original Peak Response = 14798007



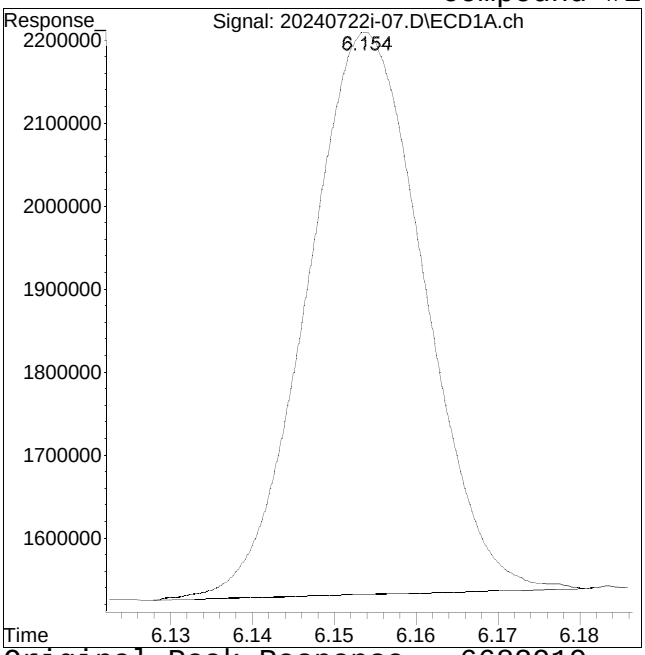
Manual Peak Response = 14885199 M4

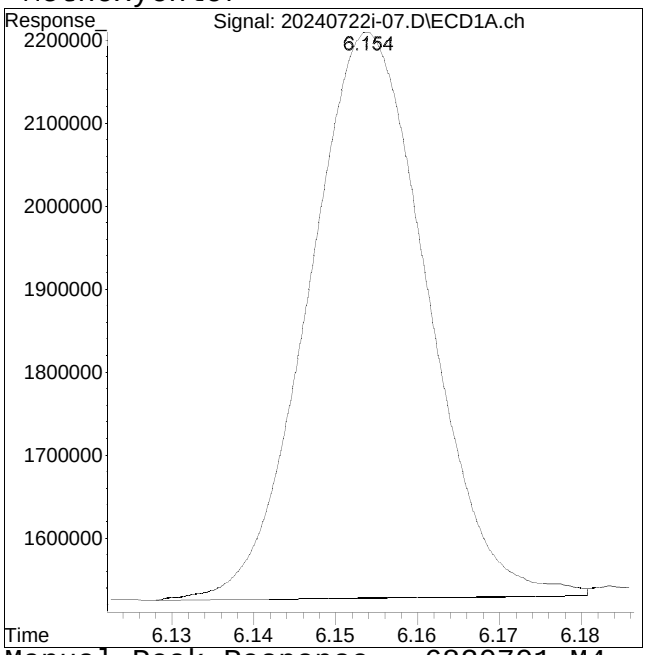
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #23: Methoxychlor



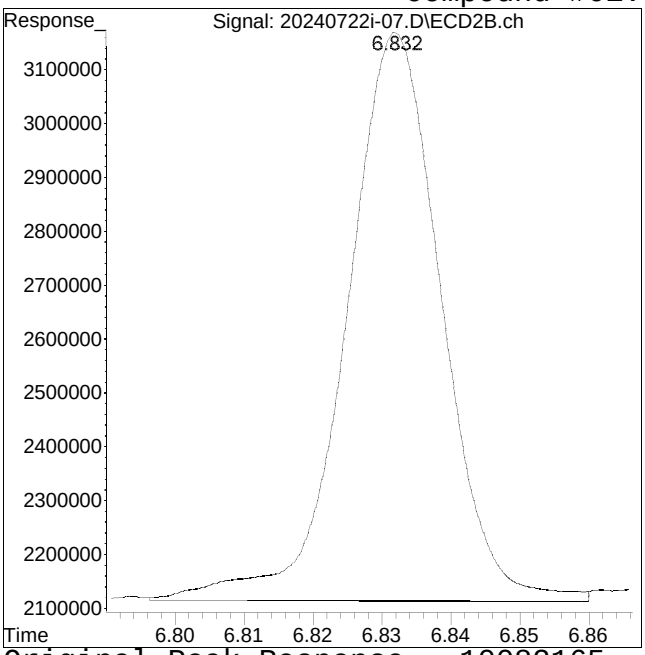


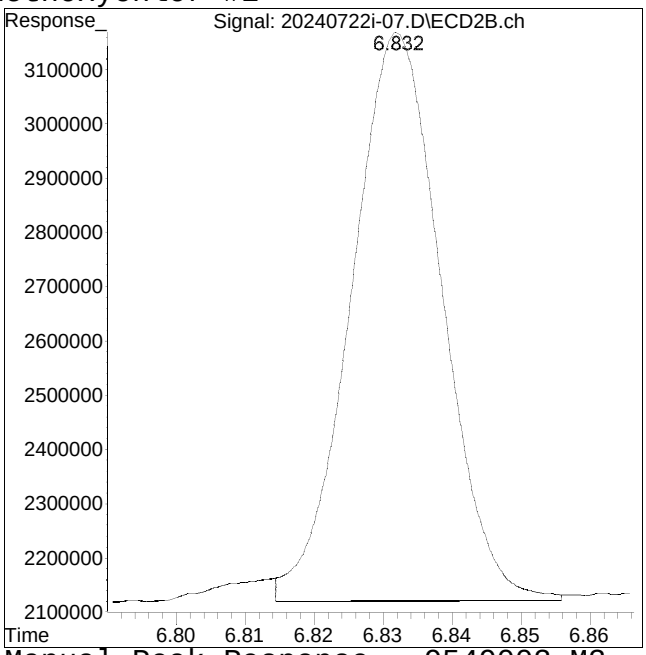
Original Peak Response = 6682919 Manual Peak Response = 6820701 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #61: Methoxychlor #2



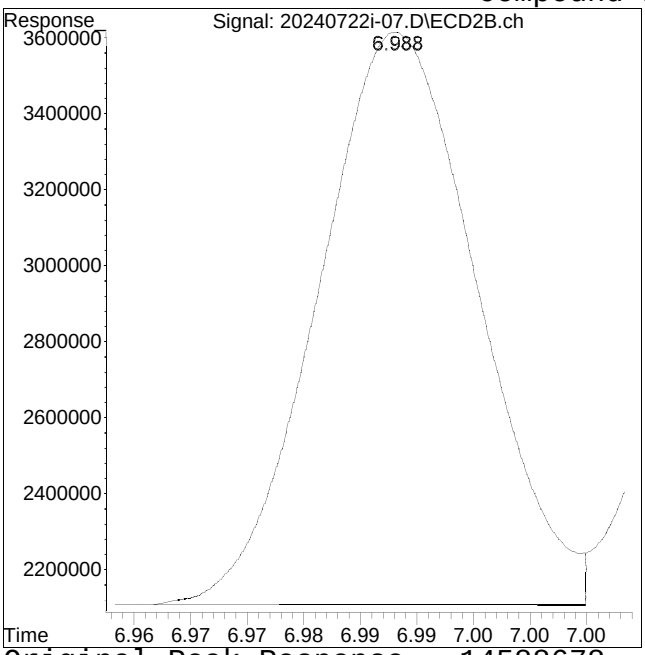


Original Peak Response = 10082165 Manual Peak Response = 9549003 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

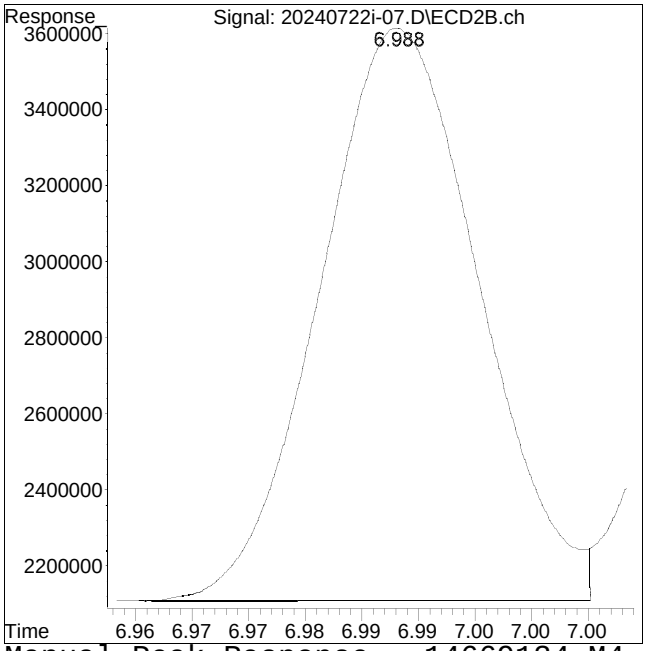
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-07.D
Date Inj'd : 7/22/2024 18:59
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:11 pm

Compound #62: Mirex #2



Original Peak Response = 14588678



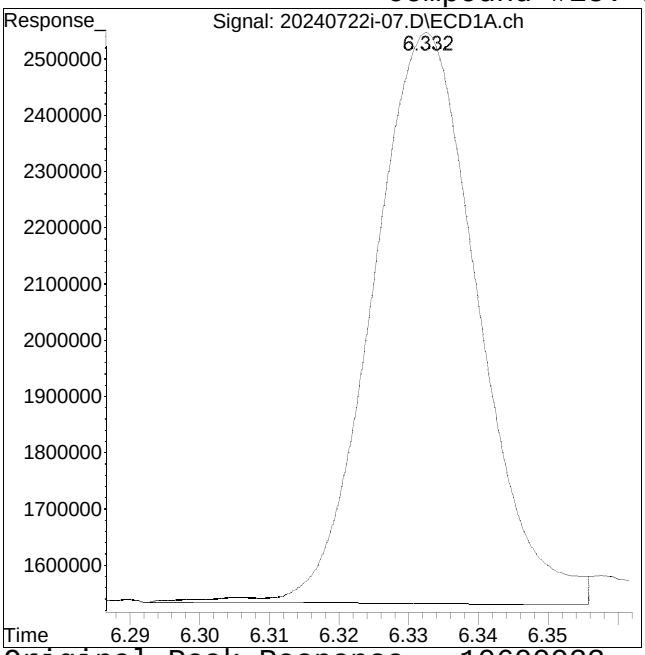
Manual Peak Response = 14669134 M4

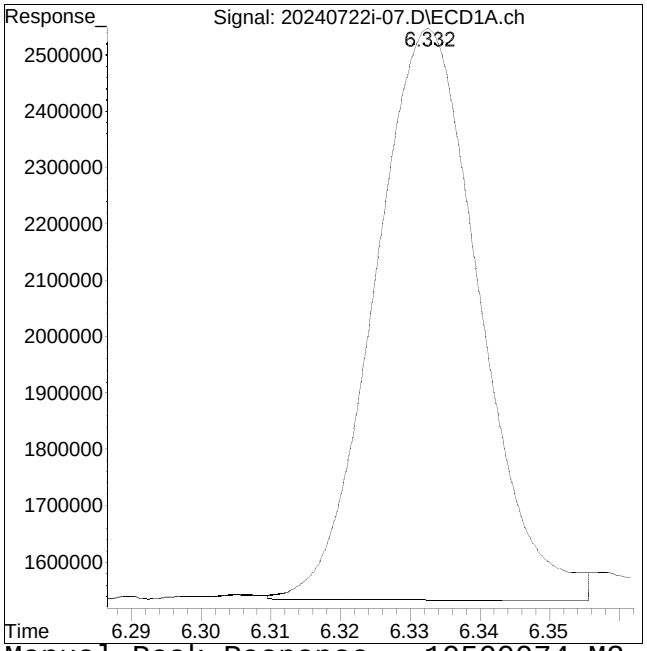
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #25: Endosulfan Sulfate



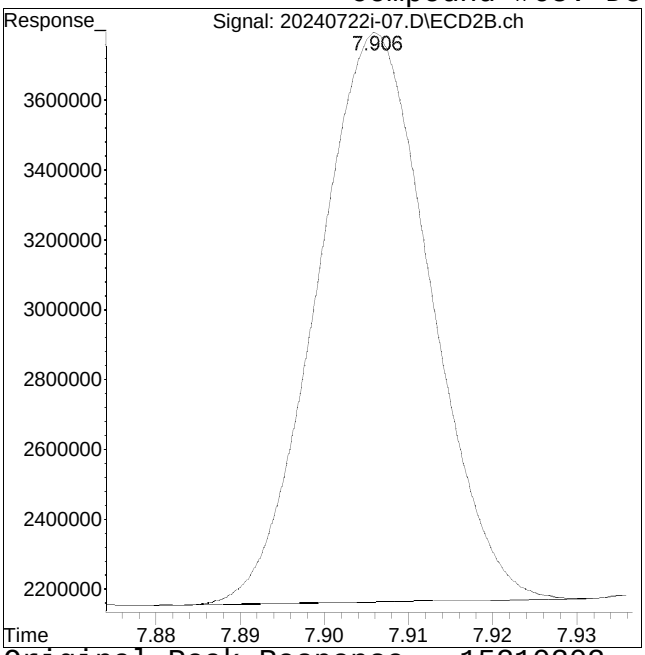


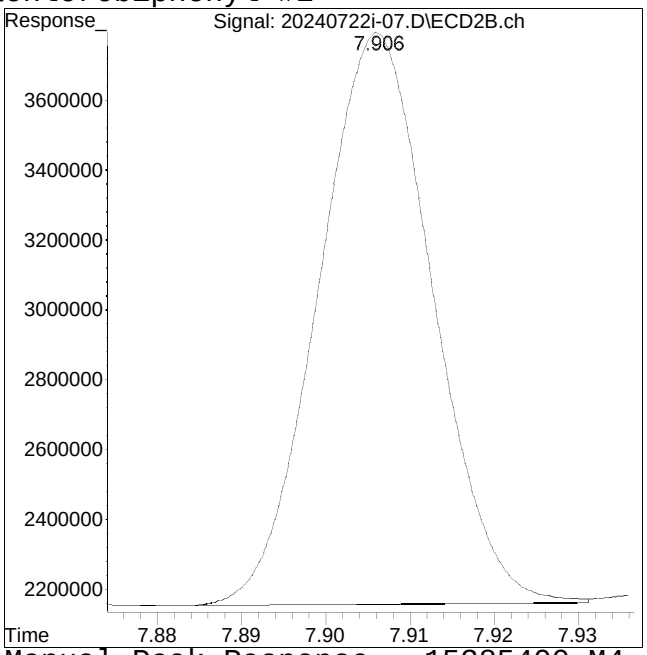
Original Peak Response = 10600933 Manual Peak Response = 10500074 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-07.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 18:59 Instrument : PEST 20
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 7/23/2024 1:11 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 15210202 Manual Peak Response = 15385400 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:11
Operator : pest20:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:02:24 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:02:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	2.005	2.062	48786962	76741585	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.472	2.662	24694394	36772857	11.424	10.834M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		22.85%#	21.67%#
27)	s	Decachlorobi	7.337	7.907	26041112	32865956	12.690M4	12.260M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		25.38%#	24.52%#
		Target Compounds						
3)		Hexachlorobe	2.739	3.039	27008934	39611118	12.108M4	11.492
4)		alpha-BHC	2.861	3.152	30022530	45071680	10.195M4	9.557
5)		gamma-BHC (l	3.106	3.476	28263580	42486596	10.628	9.949M4
6)		beta-BHC	3.173	3.551	15009997	22393317	12.333M4	11.637
7)		delta-BHC	3.324	3.847	27799775	42012795	10.299	9.645
8)		Heptachlor	3.512	3.917	28265041	41484359	11.168	10.588M4
9)		Aldrin	3.791	4.267	26401420	37145313	10.590M4	9.962
10)		Alachlor	3.932	4.140	4955148	6717674	12.919M4	12.852M4
11)		Chlorpyrifos	4.033	4.524	15282265	23077469	13.347	12.645M4
12)		Heptachlor E	4.407	4.929	25758022	37416168	11.301M4	10.653

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:11
Operator : pest20:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:02:24 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:02:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	gamma-Chlord	4.543	5.141	23285869	32694392	11.140M4	10.499M4
14)	alpha-Chlord	4.692	5.296	26388764	36679227	11.229M4	10.615M4
15)	4,4'-DDE	4.794	5.474	25065714	34411493	10.383	9.789M4
16)	Endosulfan I	4.845	5.354	23960252	34157846	11.072	10.558
17)	Dieldrin	5.108	5.628	24222469	33857722	10.627	9.974
18)	Endrin	5.345	5.911	24529704	34715121	10.769M4	10.058
19)	4,4'-DDD	5.433	6.018	20451006	28621369	10.586	9.962
20)	Endosulfan I	5.565	6.101	22322122	32514886	11.196	10.673
21)	4,4'-DDT	5.704	6.285	22791539	32834290	10.974M4	10.319M3
22)	Endrin Aldeh	5.958	6.386	18630561	26354975	10.857	10.146
23)	Methoxychlor	6.154	6.833	14534734	20302742	12.899M4	12.154M4
24)	Mirex	6.233	6.989	22210758	30346624	12.867M4	12.461
25)	Endosulfan S	6.333	6.608	22003821	32025477	11.746M3	10.957
26)	Endrin Keton	6.556	7.021	24527602	35956084	11.413	10.842
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:11
Operator : pest20:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:02:24 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:02:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

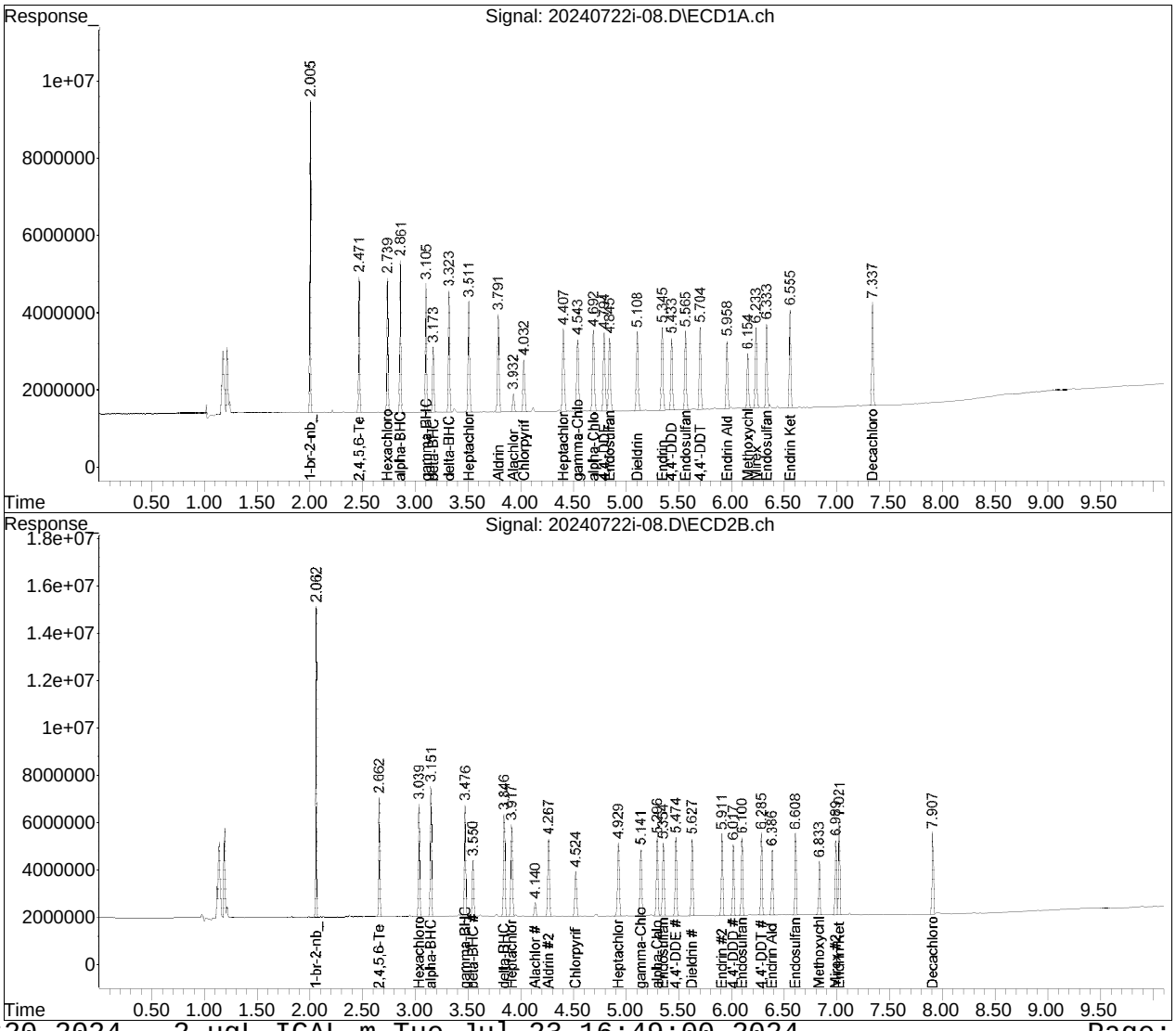
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:11
Operator : pest20:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 13:02:24 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 13:02:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

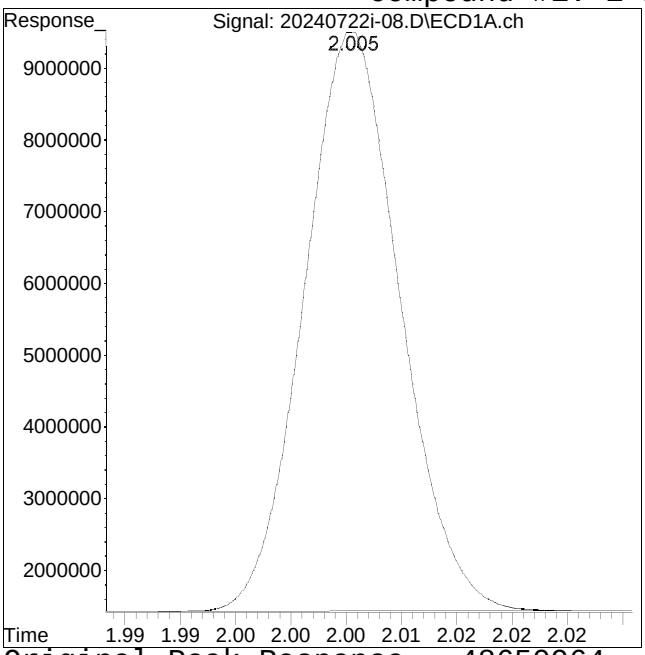


Manual Integration Report

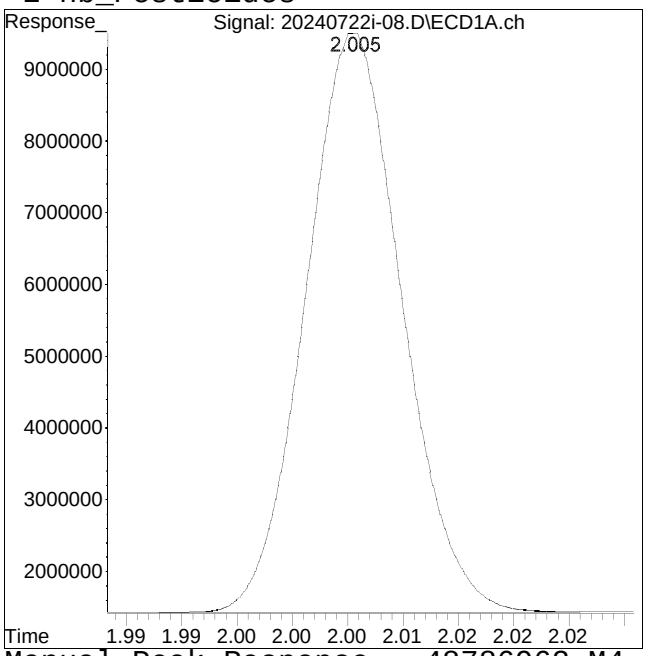
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 48650964



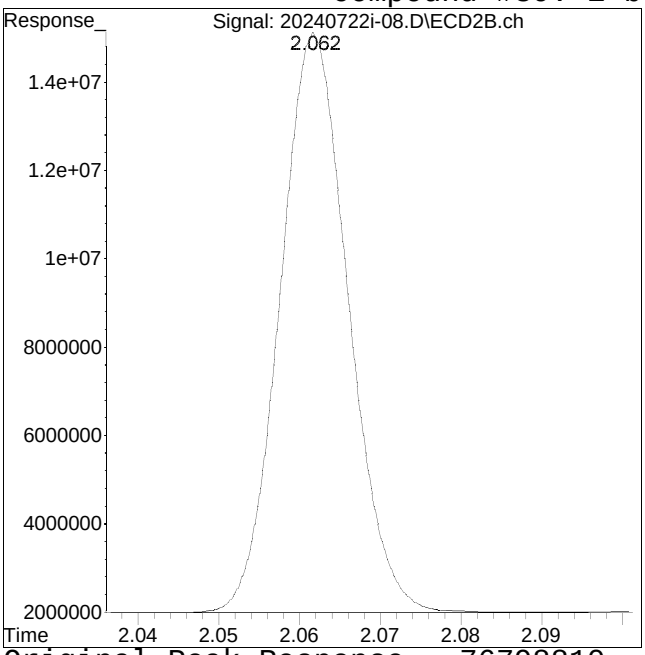
Manual Peak Response = 48786962 M4

M4 = Poor automated baseline construction.

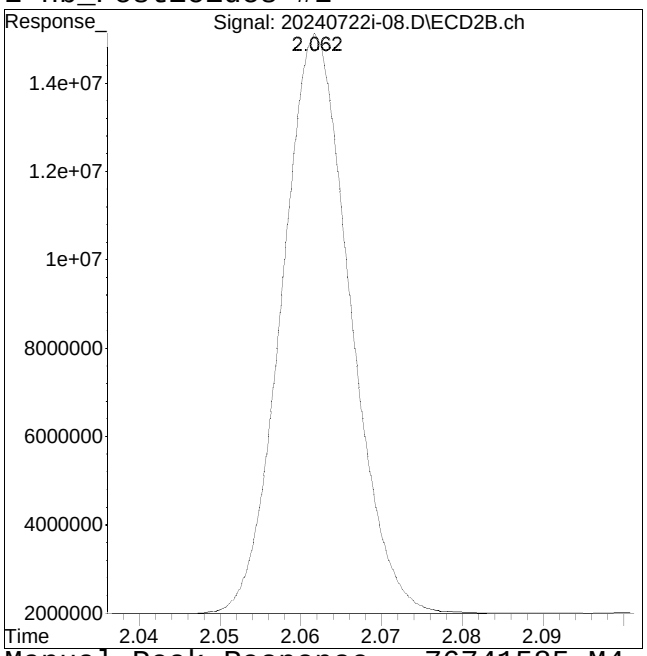
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 76798810



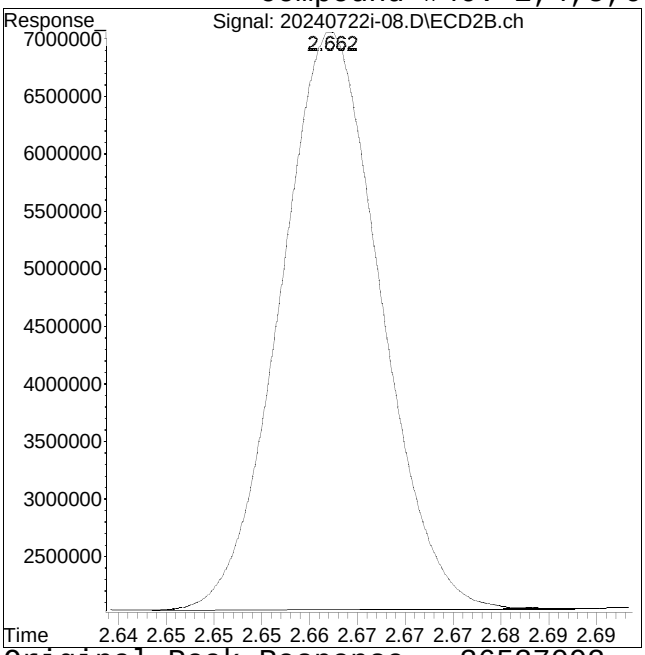
Manual Peak Response = 76741585 M4

M4 = Poor automated baseline construction.

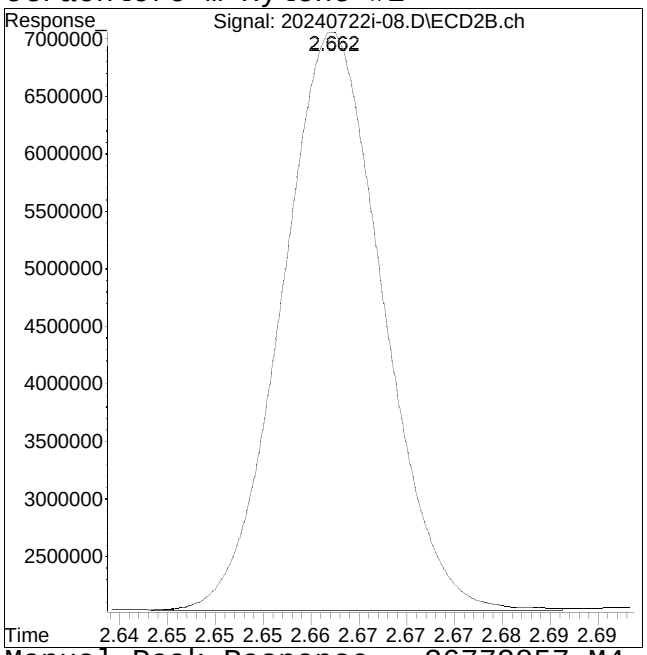
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 36537092



Manual Peak Response = 36772857 M4

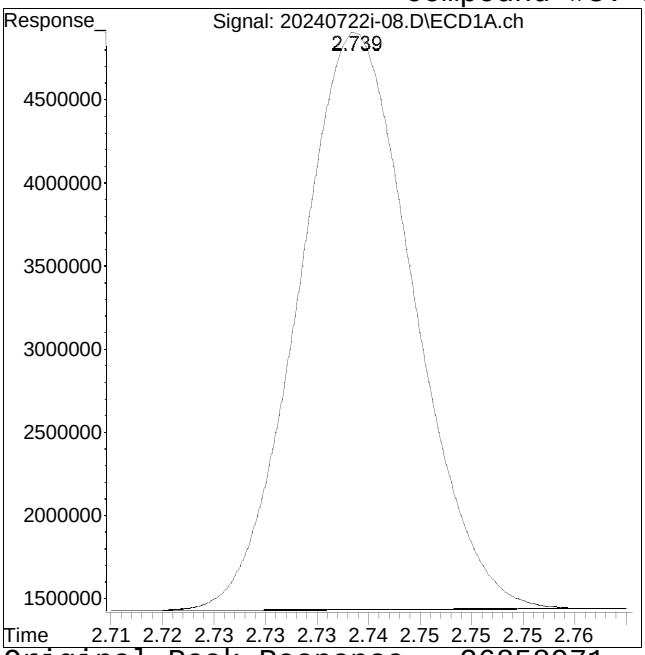
M4 = Poor automated baseline construction.

Manual Integration Report

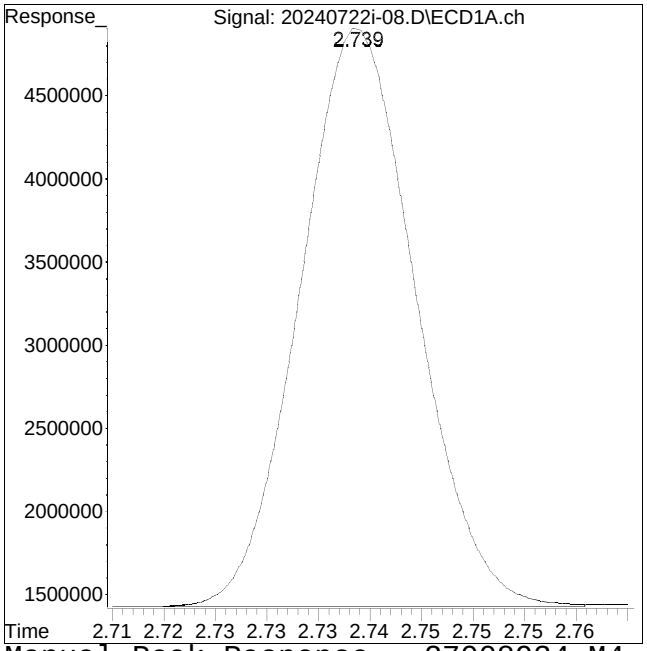
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #3: Hexachlorobenzene



Original Peak Response = 26858971



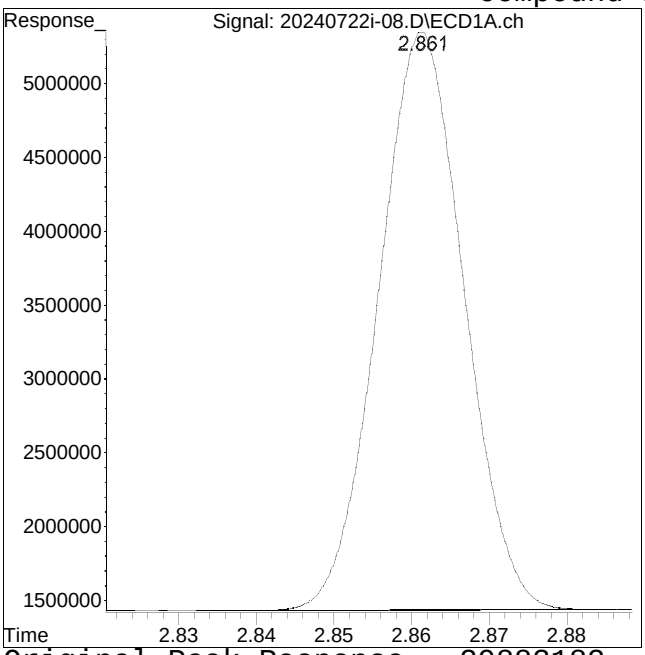
Manual Peak Response = 27008934 M4

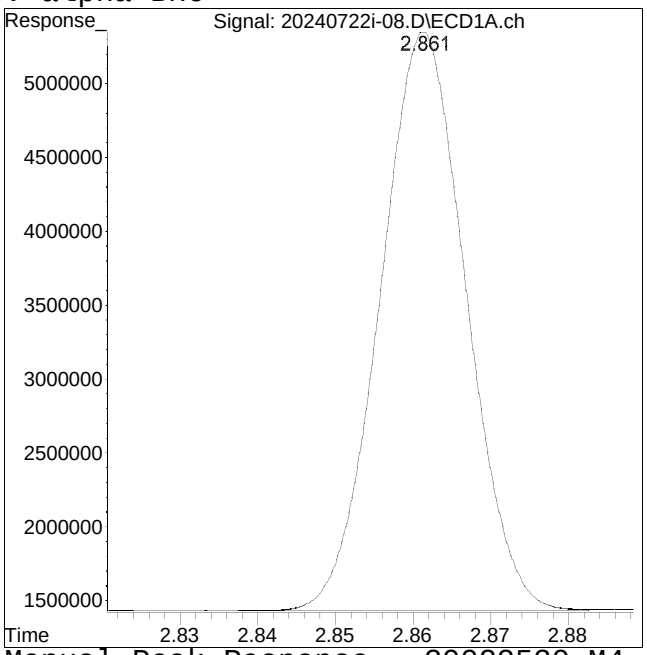
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #4: alpha-BHC





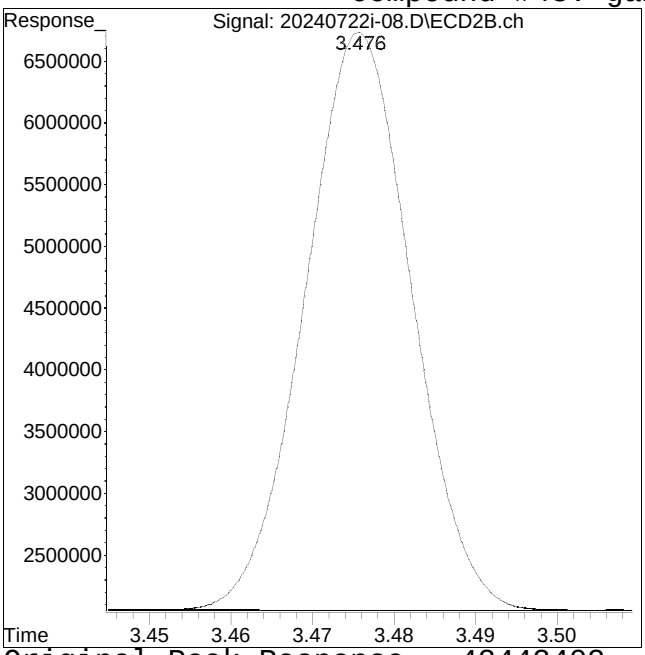
Original Peak Response = 29883182 Manual Peak Response = 30022530 M4
M4 = Poor automated baseline construction.

Manual Integration Report

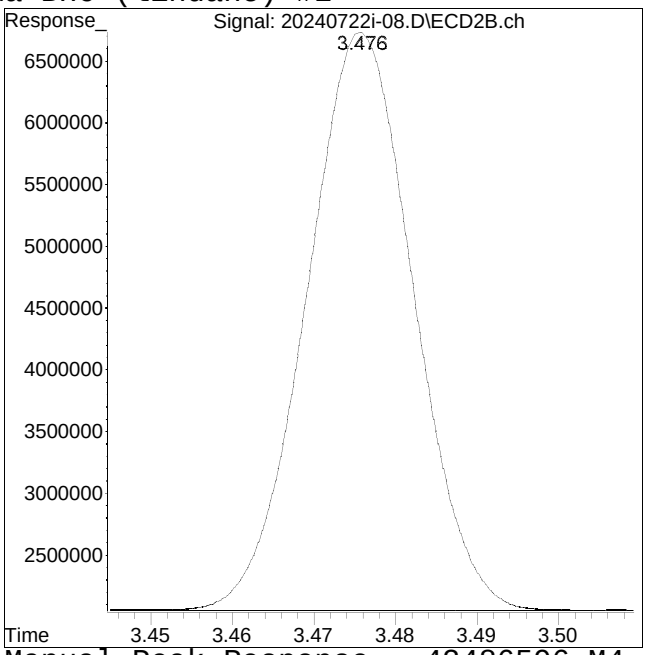
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 42442402



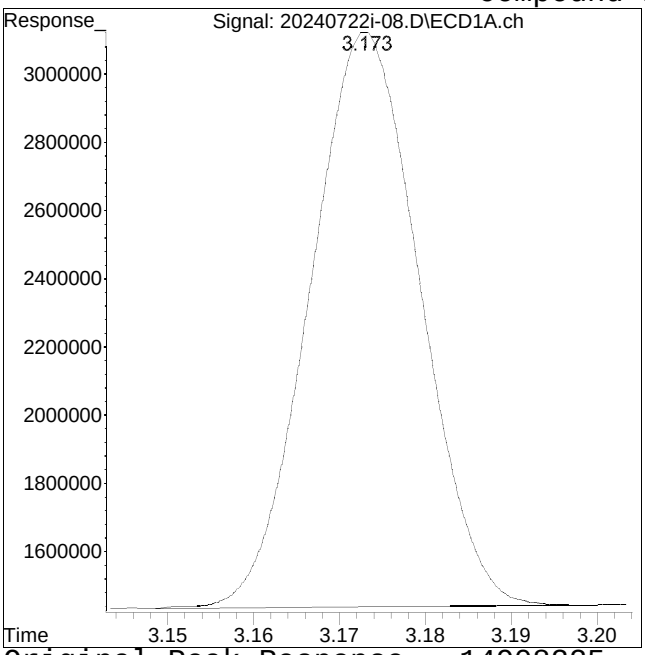
Manual Peak Response = 42486596 M4

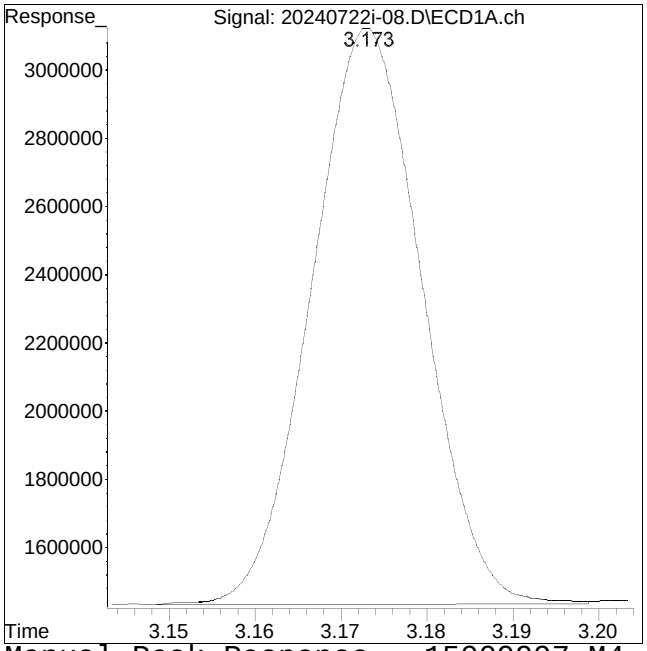
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #6: beta-BHC





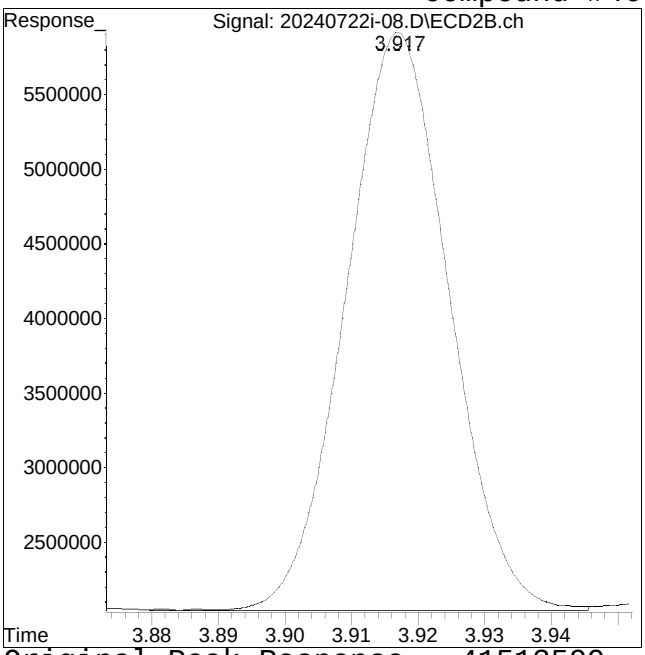
Original Peak Response = 14908225 Manual Peak Response = 15009997 M4
M4 = Poor automated baseline construction.

Manual Integration Report

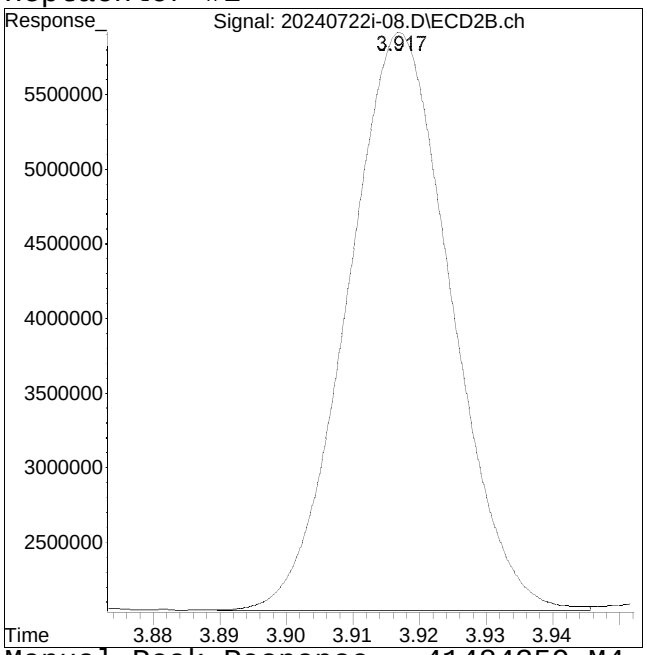
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #46: Heptachlor #2



Original Peak Response = 41513599



Manual Peak Response = 41484359 M4

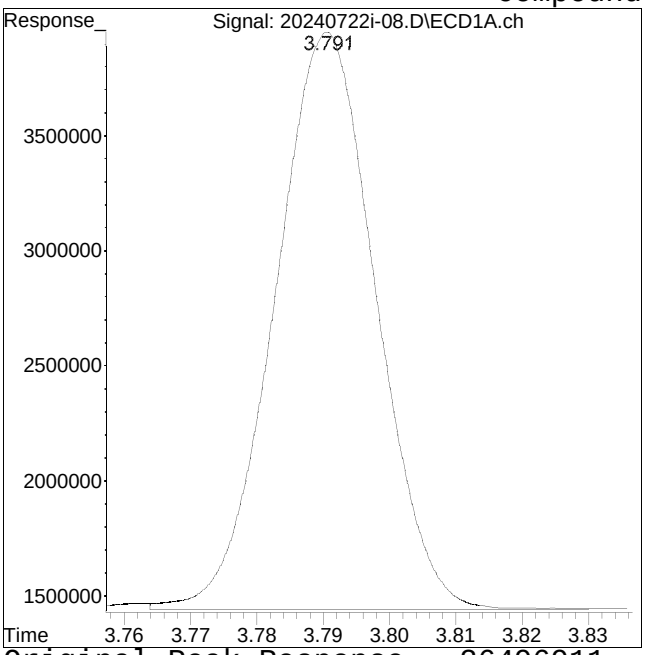
M4 = Poor automated baseline construction.

Manual Integration Report

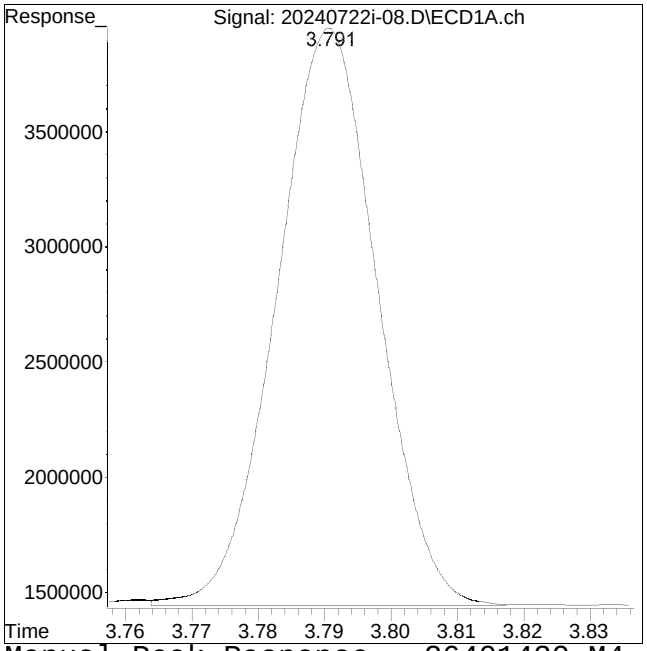
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #9: Aldrin



Original Peak Response = 26496911



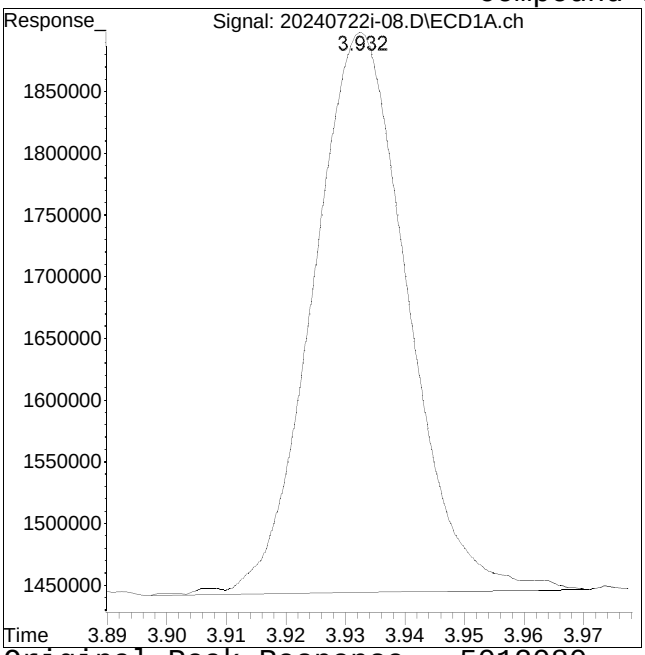
Manual Peak Response = 26401420 M4

M4 = Poor automated baseline construction.

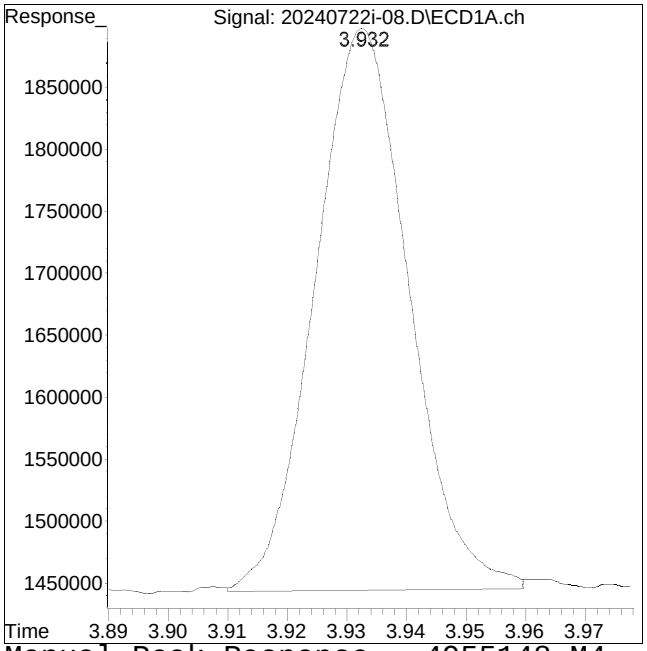
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #10: Alachlor



Original Peak Response = 5012080



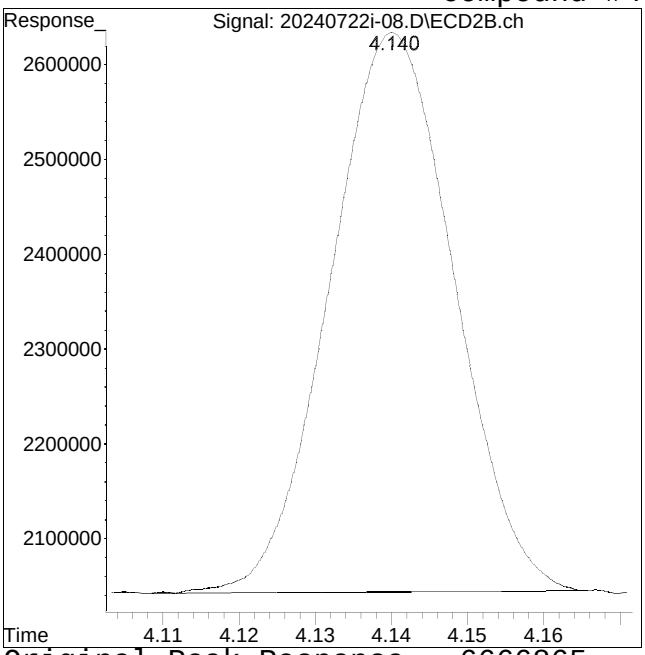
Manual Peak Response = 4955148 M4

M4 = Poor automated baseline construction.

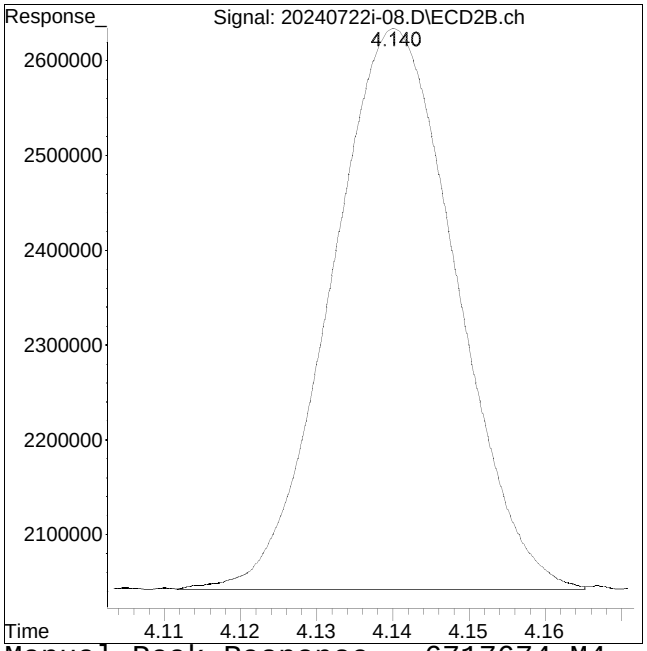
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #48: Alachlor #2



Original Peak Response = 6666865



Manual Peak Response = 6717674 M4

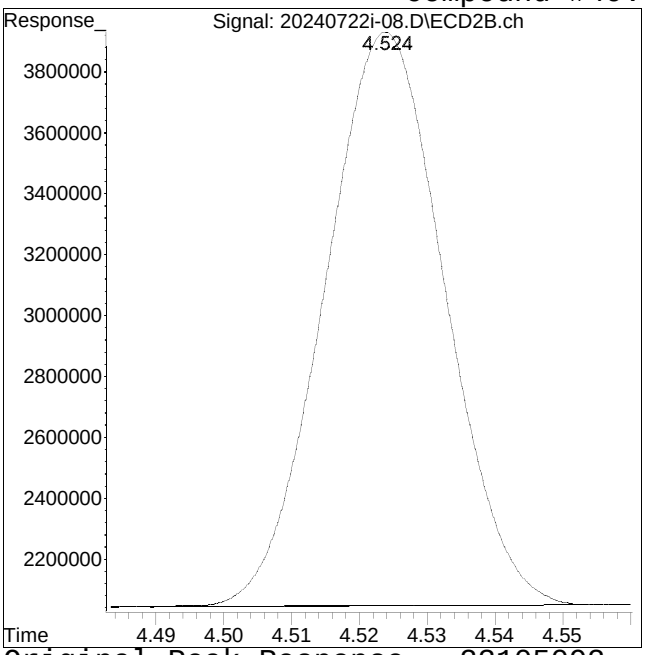
M4 = Poor automated baseline construction.

Manual Integration Report

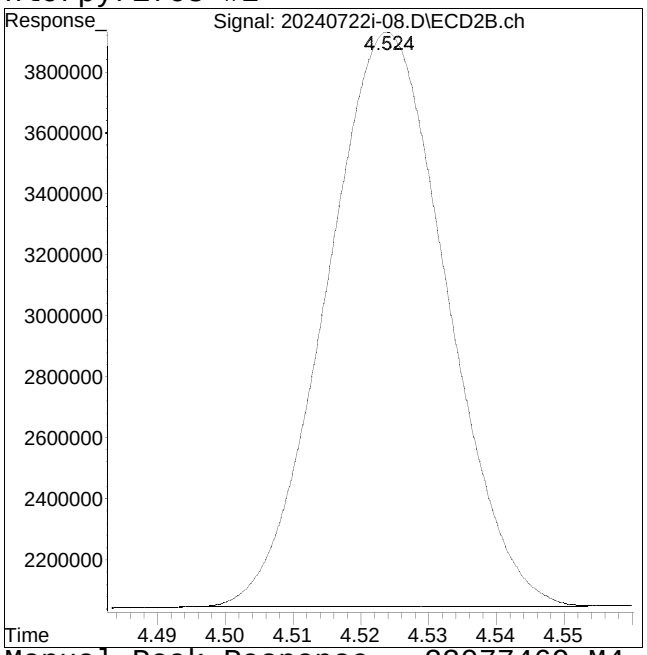
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #49: Chlorpyrifos #2



Original Peak Response = 23105092



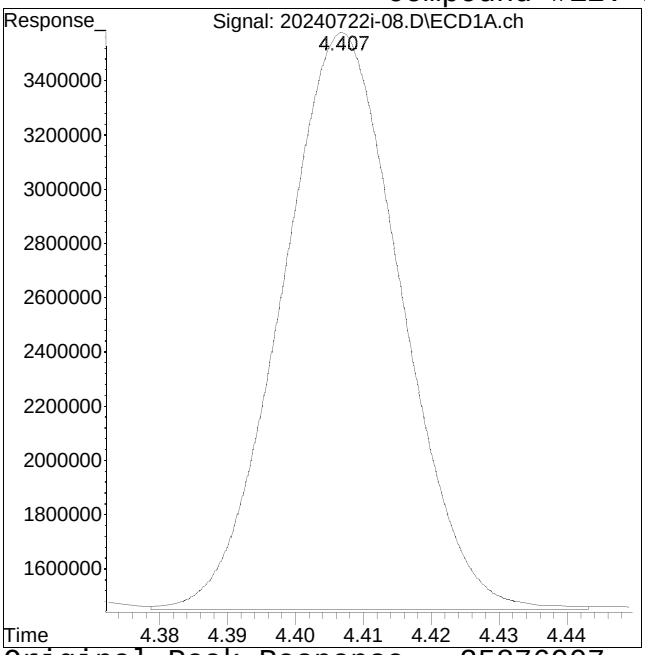
Manual Peak Response = 23077469 M4

M4 = Poor automated baseline construction.

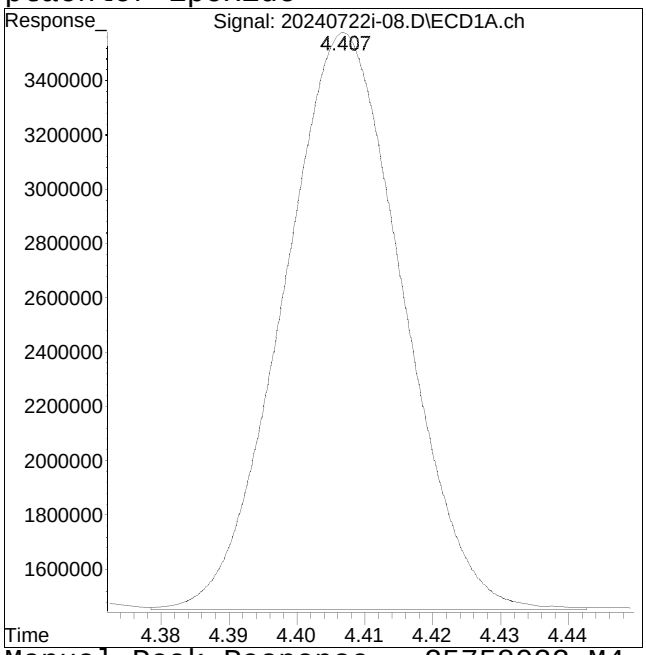
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #12: Heptachlor Epoxide



Original Peak Response = 25876907



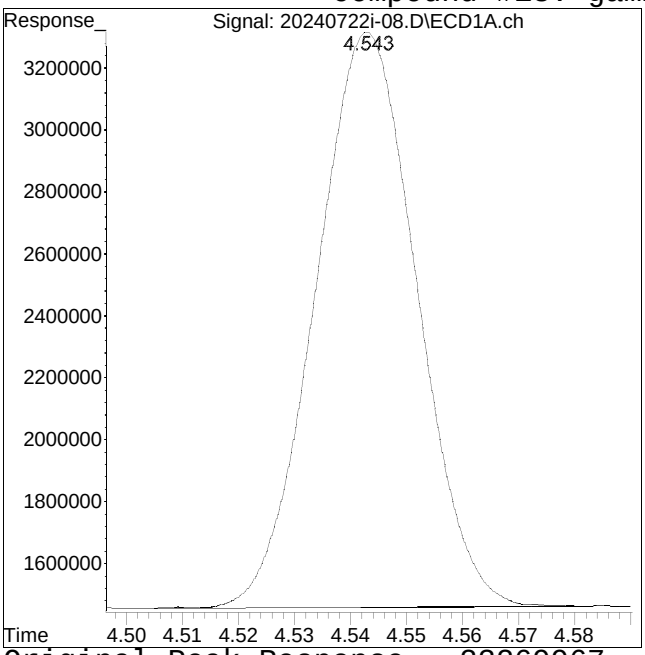
Manual Peak Response = 25758022 M4

M4 = Poor automated baseline construction.

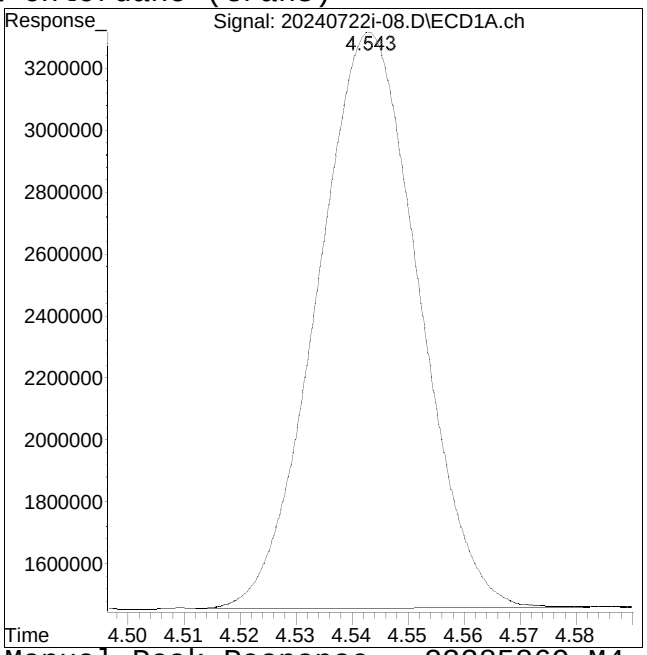
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 23269967



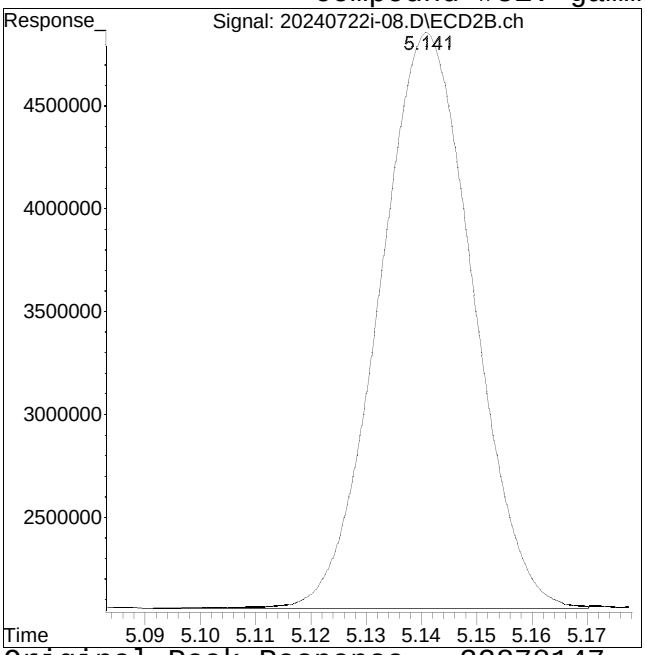
Manual Peak Response = 23285869 M4

M4 = Poor automated baseline construction.

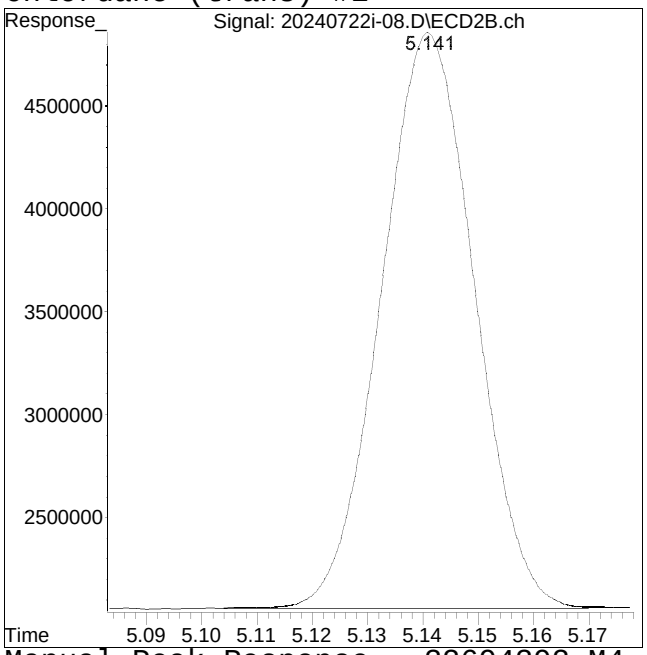
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 32878147



Manual Peak Response = 32694392 M4

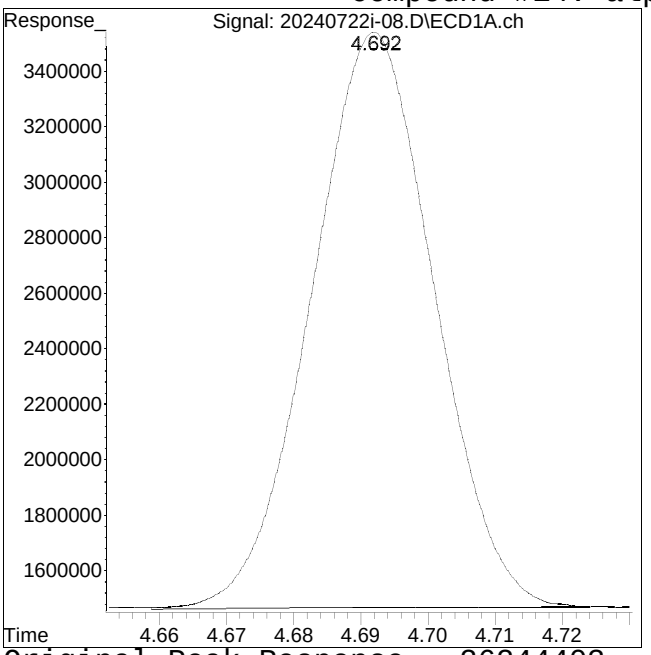
M4 = Poor automated baseline construction.

Manual Integration Report

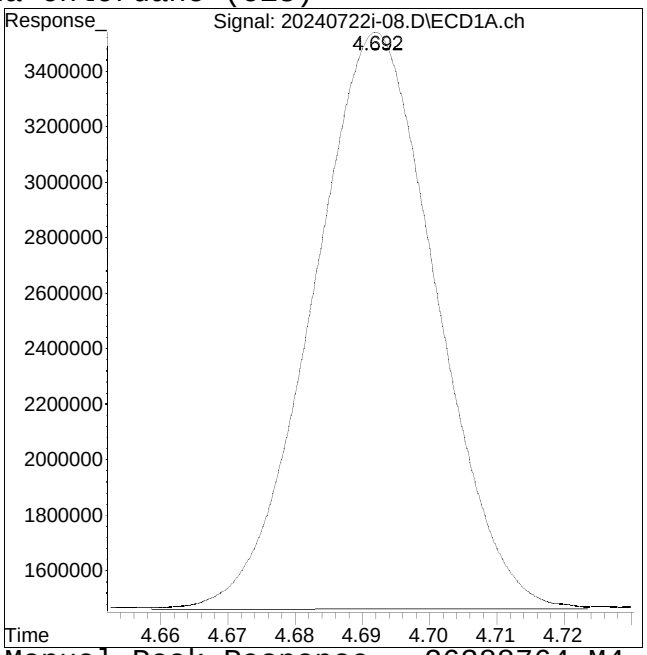
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 26244403



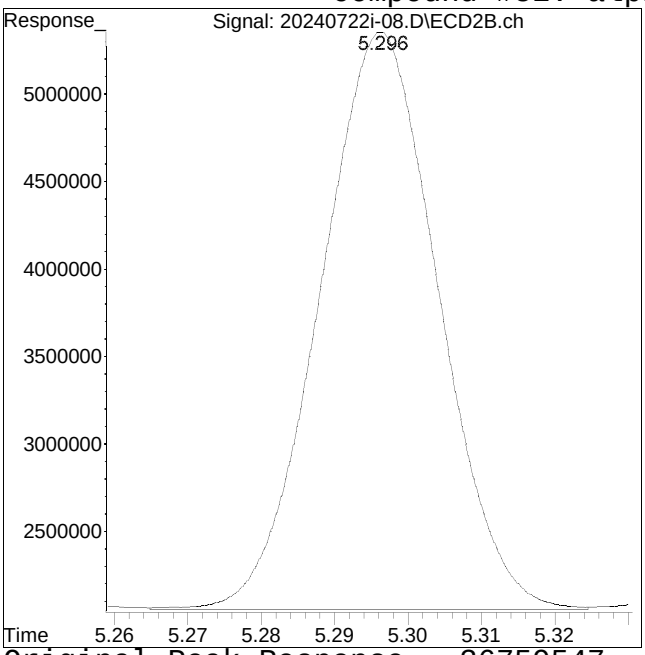
Manual Peak Response = 26388764 M4

M4 = Poor automated baseline construction.

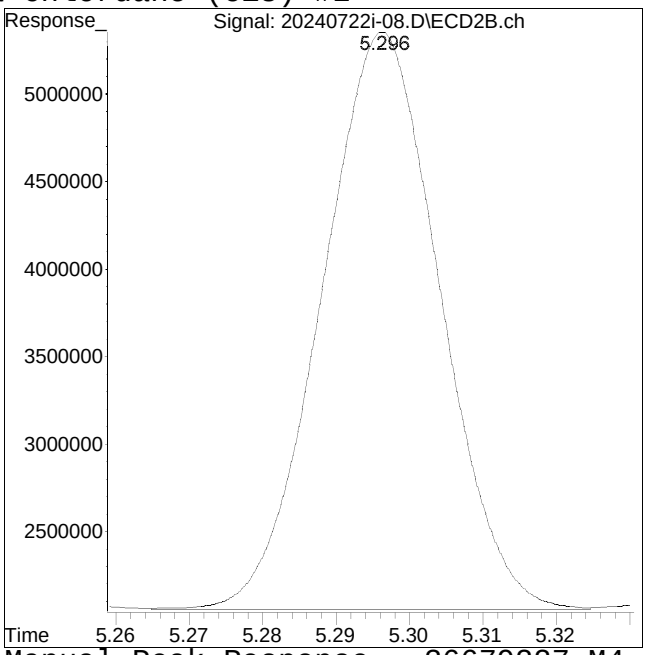
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 36759547



Manual Peak Response = 36679227 M4

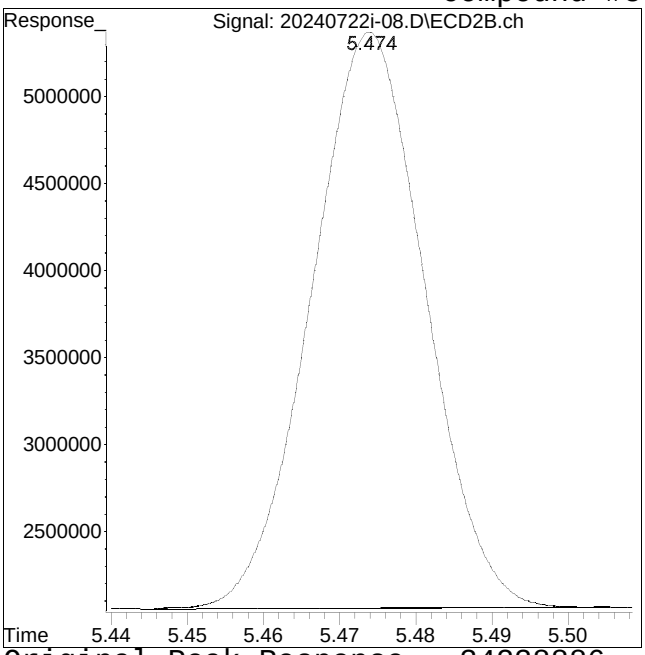
M4 = Poor automated baseline construction.

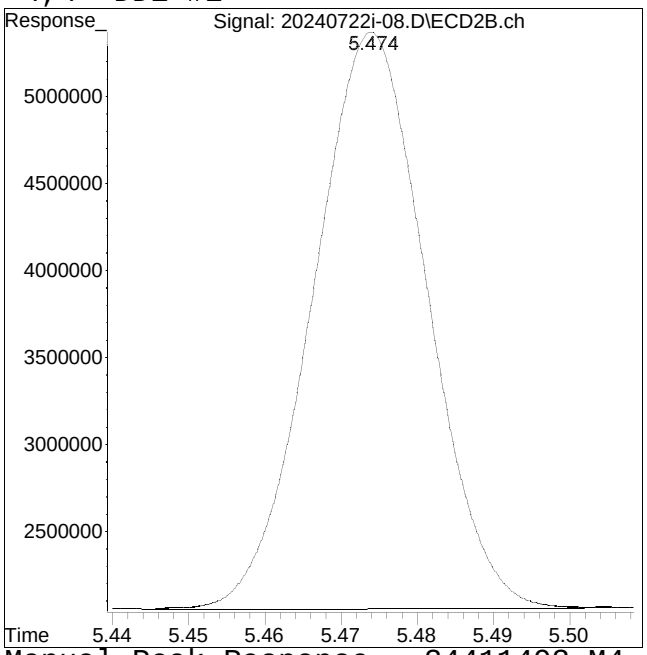
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #53: 4,4'-DDE #2





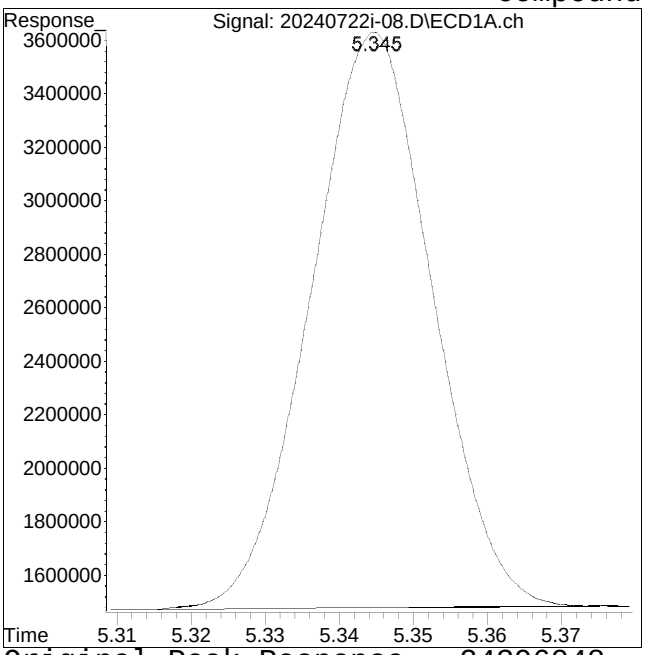
Original Peak Response = 34238886 Manual Peak Response = 34411493 M4
M4 = Poor automated baseline construction.

Manual Integration Report

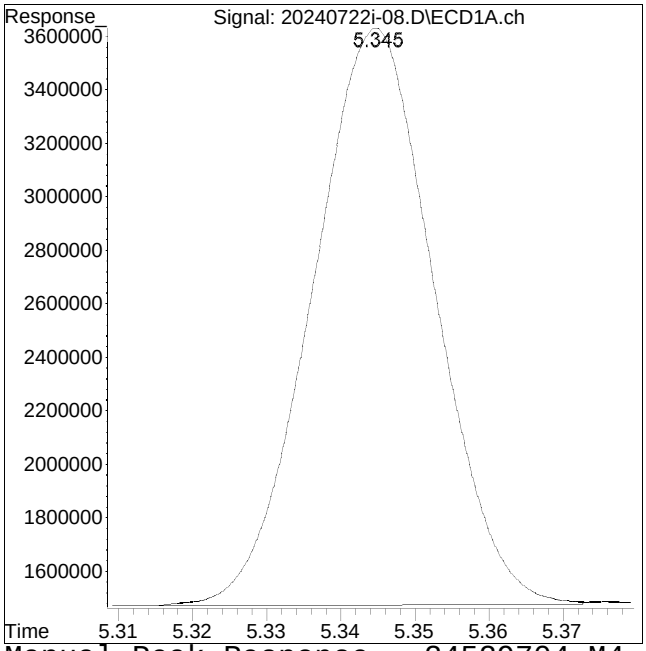
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #18: Endrin



Original Peak Response = 24396048



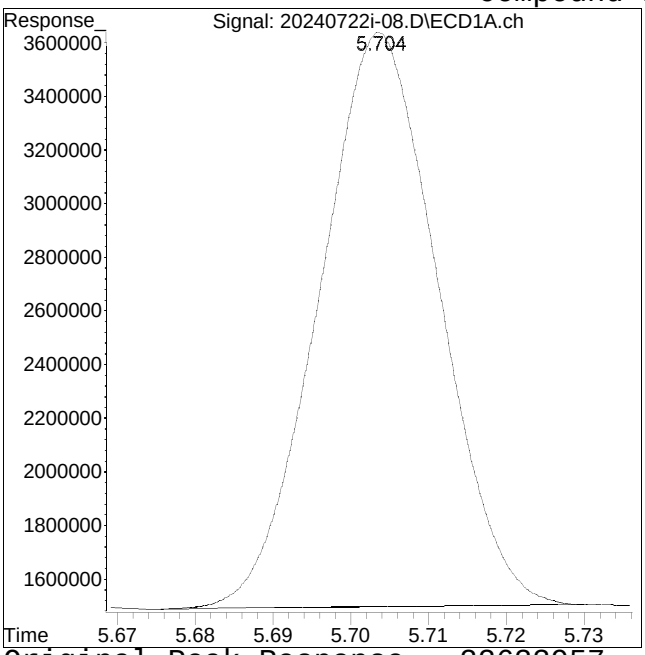
Manual Peak Response = 24529704 M4

M4 = Poor automated baseline construction.

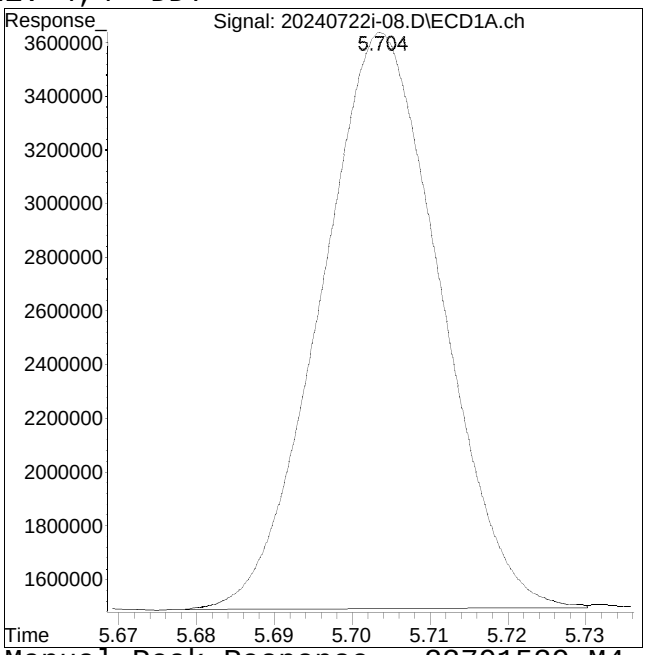
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-08.D
Date Inj'd : 7/22/2024 19:11
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 1:02 pm

Compound #21: 4,4'-DDT



Original Peak Response = 22633957



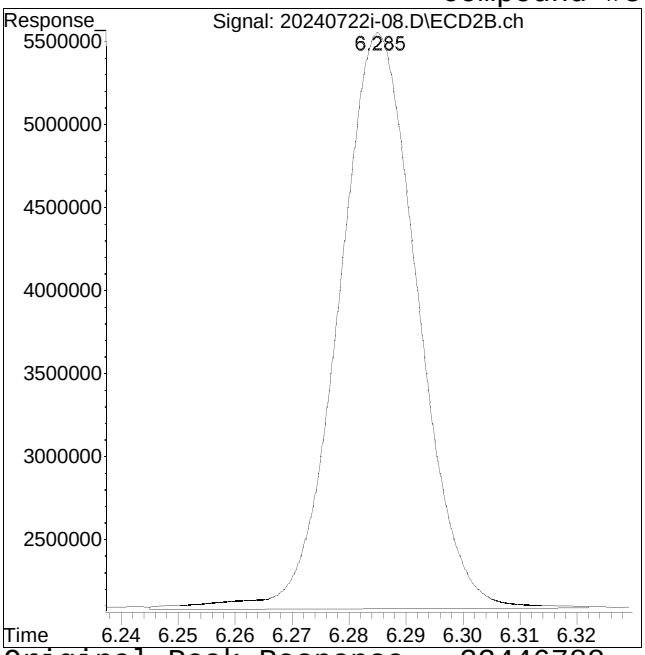
Manual Peak Response = 22791539 M4

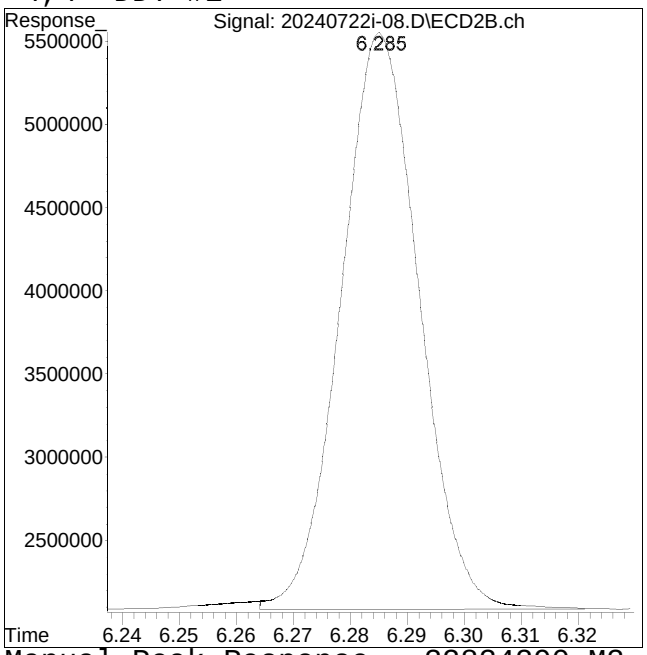
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #59: 4,4'-DDT #2



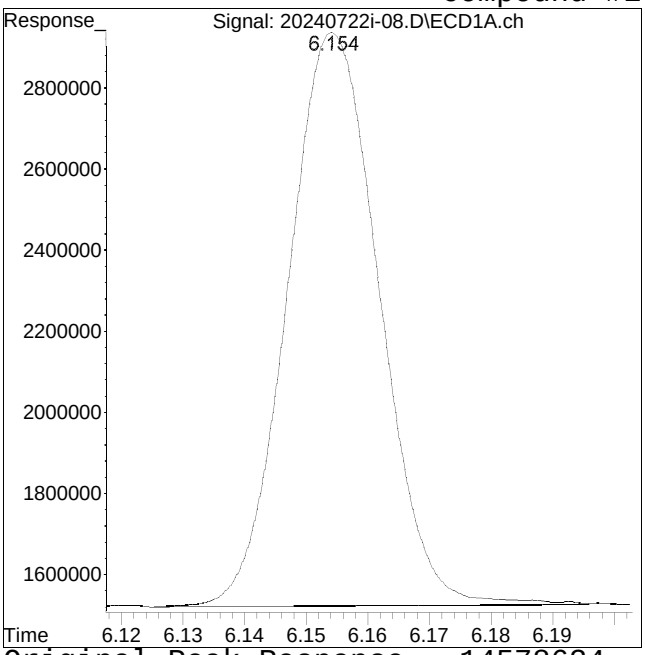


Original Peak Response = 33446788 Manual Peak Response = 32834290 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

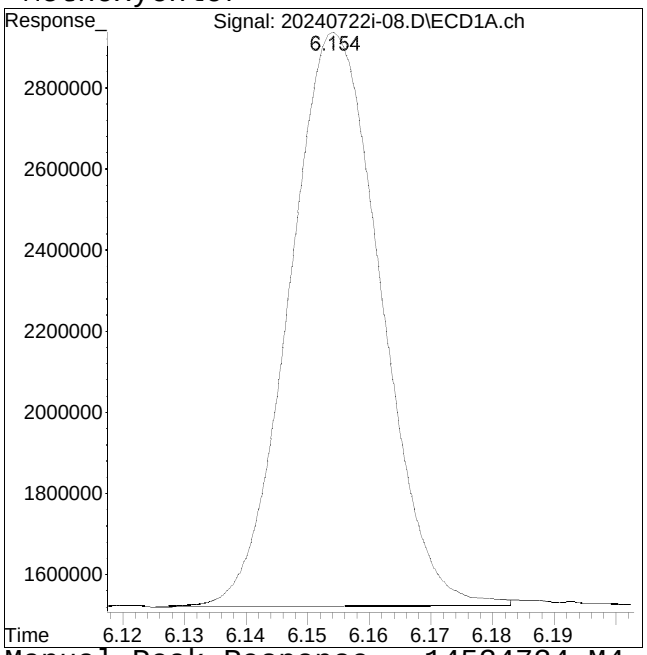
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #23: Methoxychlor



Original Peak Response = 14578634



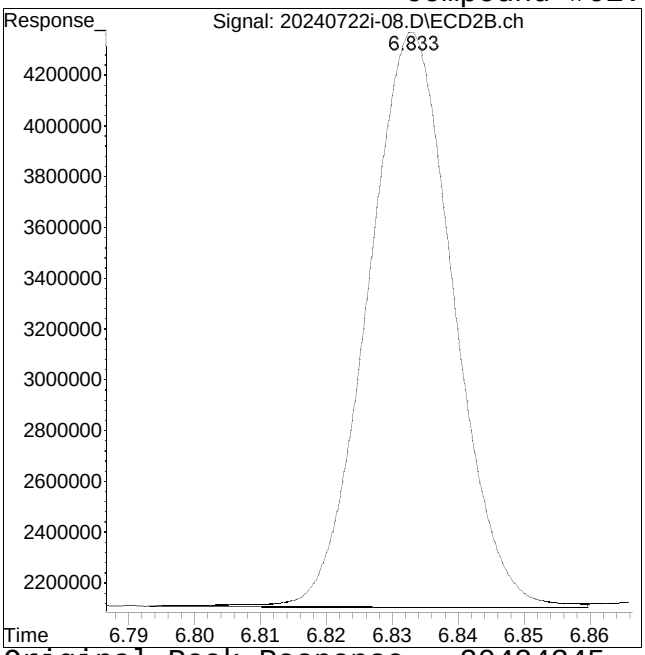
Manual Peak Response = 14534734 M4

M4 = Poor automated baseline construction.

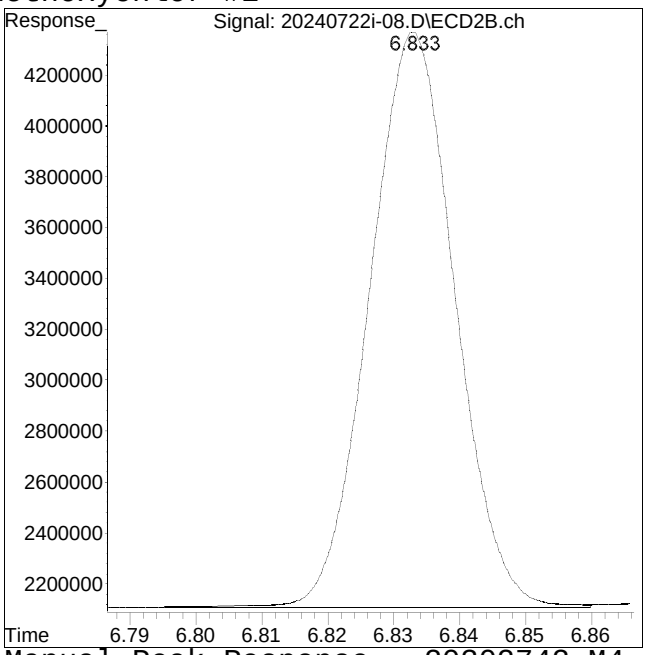
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #61: Methoxychlor #2



Original Peak Response = 20424345



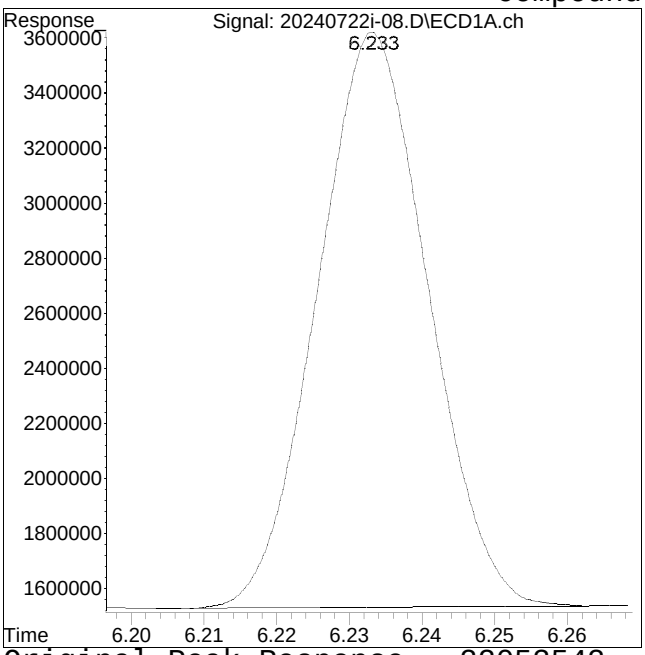
Manual Peak Response = 20302742 M4

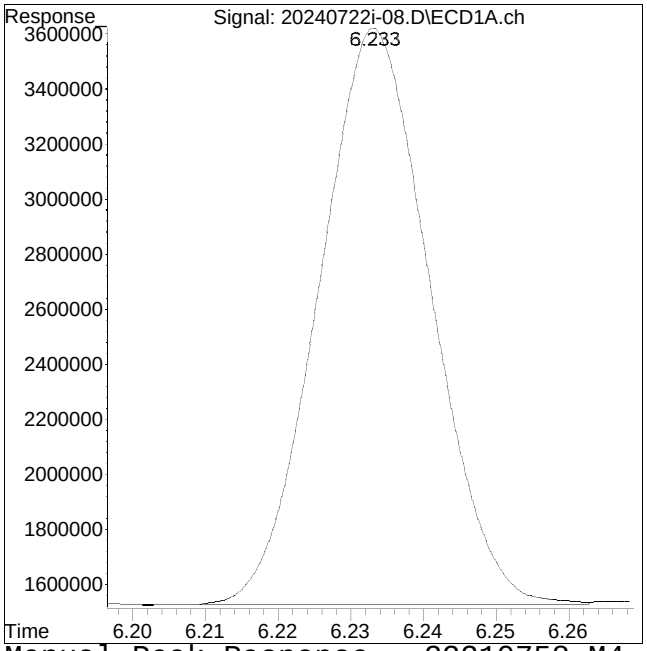
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #24: Mirex



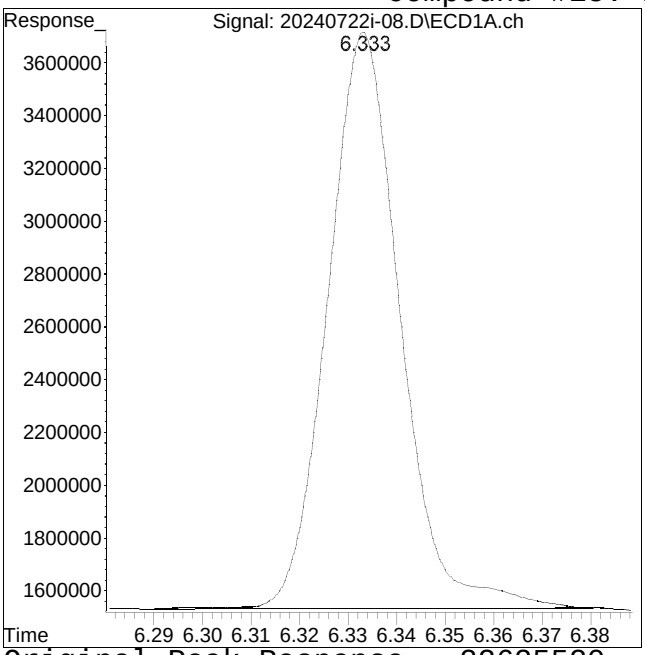


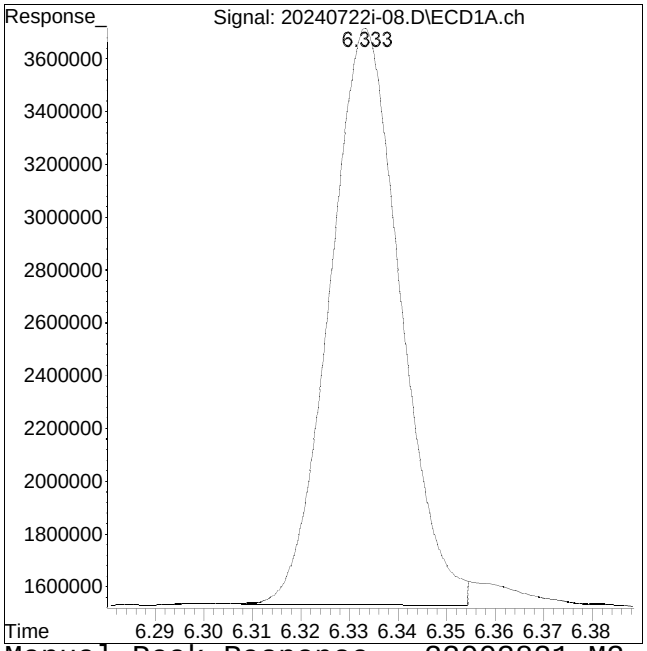
Original Peak Response = 22053542 Manual Peak Response = 22210758 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #25: Endosulfan Sulfate



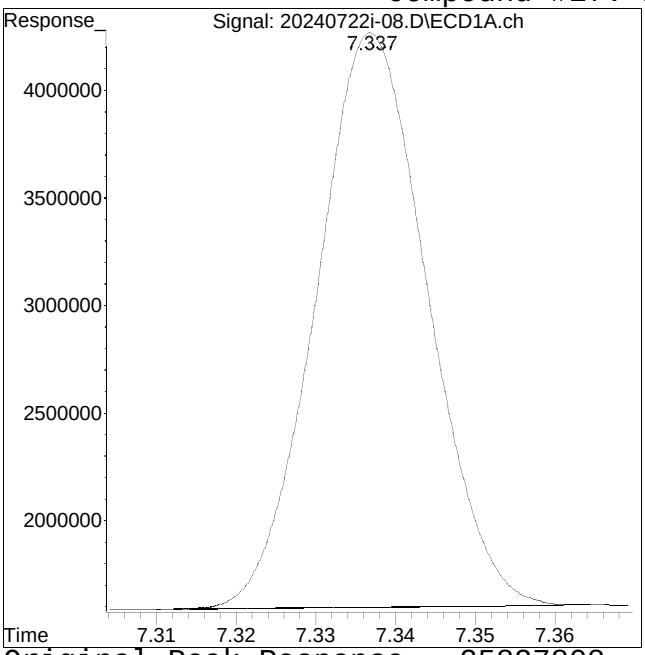


Original Peak Response = 22625520 Manual Peak Response = 22003821 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

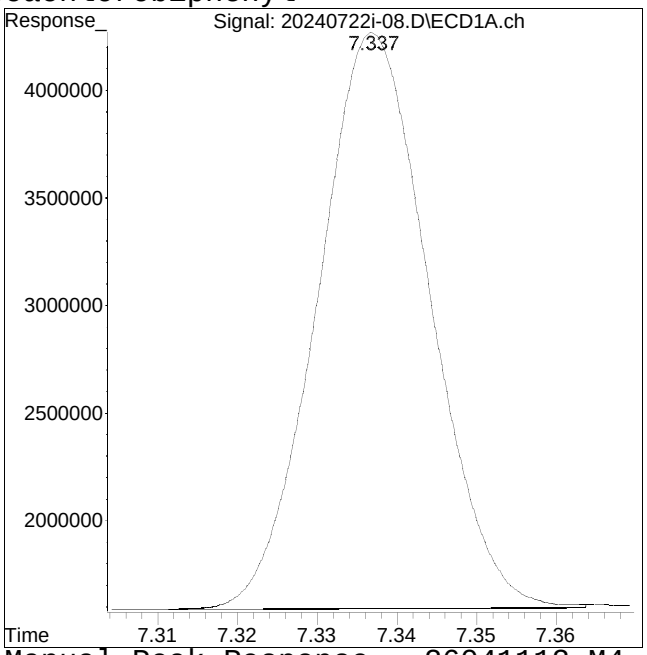
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 25827808



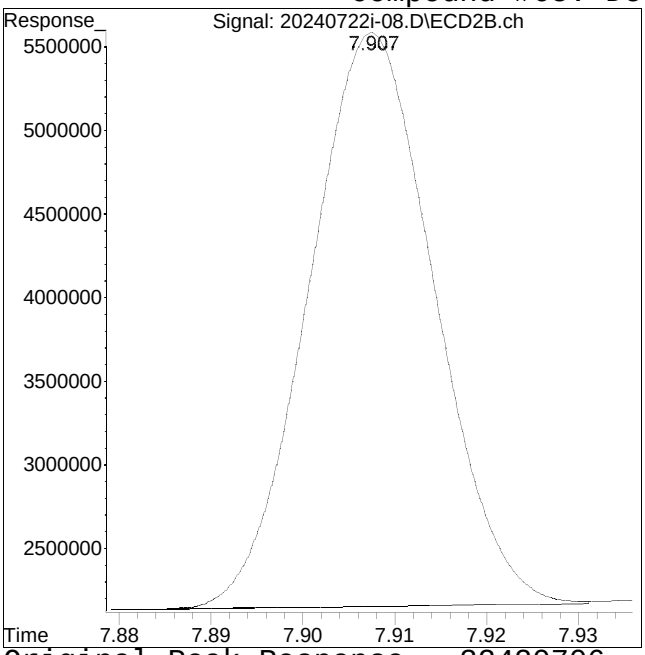
Manual Peak Response = 26041112 M4

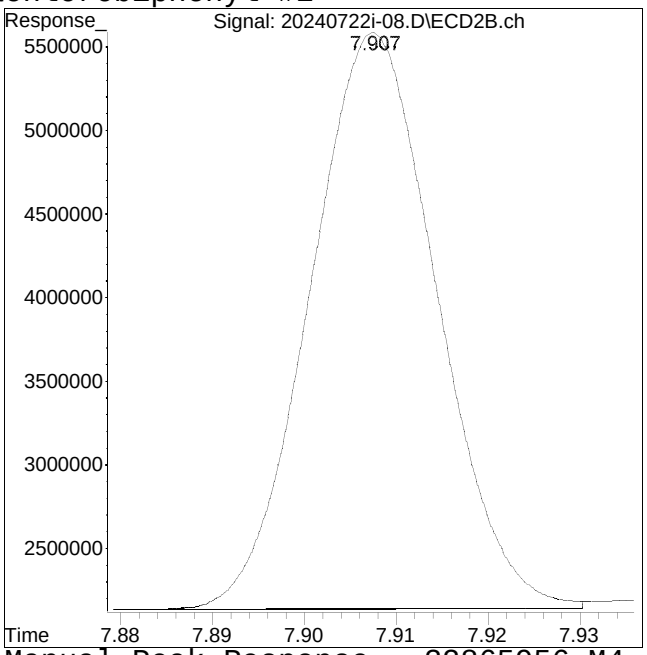
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-08.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:11 Instrument : PEST 20
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 7/23/2024 1:02 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 32420706 Manual Peak Response = 32865956 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:24
Operator : pest20:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:21:40 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:21:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	2.006	2.062	52130218	82072879	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.472	2.662	119.2E6	184.6E6	NoCal M4	NoCal M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27)	s	Decachlorobi	7.334	7.904	116.5E6	150.4E6	NoCal M4	NoCal
		Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
		Target Compounds						
3)		Hexachlorobe	2.739	3.038	124.5E6	189.2E6	NoCal	NoCal M4
4)		alpha-BHC	2.862	3.151	157.2E6	247.0E6	NoCal M3	NoCal
5)		gamma-BHC (l	3.106	3.476	142.9E6	224.9E6	NoCal	NoCal
6)		beta-BHC	3.173	3.550	67868100	105.5E6	NoCal M4	NoCal M4
7)		delta-BHC	3.324	3.847	143.4E6	226.5E6	NoCal	NoCal
8)		Heptachlor	3.512	3.917	138.0E6	209.8E6	NoCal	NoCal
9)		Aldrin	3.791	4.267	133.8E6	196.8E6	NoCal	NoCal
10)		Alachlor	3.932	4.140	22067386	29728031	NoCal M4	NoCal
11)		Chlorpyrifos	4.033	4.524	65139554	102.5E6	NoCal	NoCal
12)		Heptachlor E	4.406	4.928	124.6E6	188.7E6	NoCal M4	NoCal M4
13)		gamma-Chlord	4.543	5.141	113.1E6	165.5E6	NoCal M4	NoCal
14)		alpha-Chlord	4.692	5.296	127.9E6	184.8E6	NoCal M3	NoCal

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:24
Operator : pest20:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:21:40 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:21:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	4,4'-DDE	4.794	5.473	129.3E6	185.4E6	NoCal	NoCal M4
16)	Endosulfan I	4.844	5.354	117.8E6	172.9E6	NoCal M4	NoCal
17)	Dieldrin	5.107	5.627	122.5E6	178.7E6	NoCal M4	NoCal M4
18)	Endrin	5.344	5.910	123.1E6	182.4E6	NoCal	NoCal M4
19)	4,4'-DDD	5.433	6.018	104.1E6	151.7E6	NoCal	NoCal
20)	Endosulfan I	5.565	6.100	108.8E6	163.4E6	NoCal	NoCal
21)	4,4'-DDT	5.703	6.285	113.1E6	170.2E6	NoCal M4	NoCal M4
22)	Endrin Aldeh	5.957	6.385	93719042	139.1E6	NoCal	NoCal M4
23)	Methoxychlor	6.154	6.832	64627347	94053597	NoCal	NoCal
24)	Mirex	6.233	6.988	98077096	136.8E6	NoCal M3	NoCal
25)	Endosulfan S	6.333	6.607	103.2E6	158.1E6	NoCal M3	NoCal M4
26)	Endrin Keton	6.556	7.019	118.7E6	180.1E6	NoCal	NoCal
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:24
Operator : pest20:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:21:40 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:21:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-1			0	0	N.D.	N.D.
Average toxaphene-1					0.000	0.000

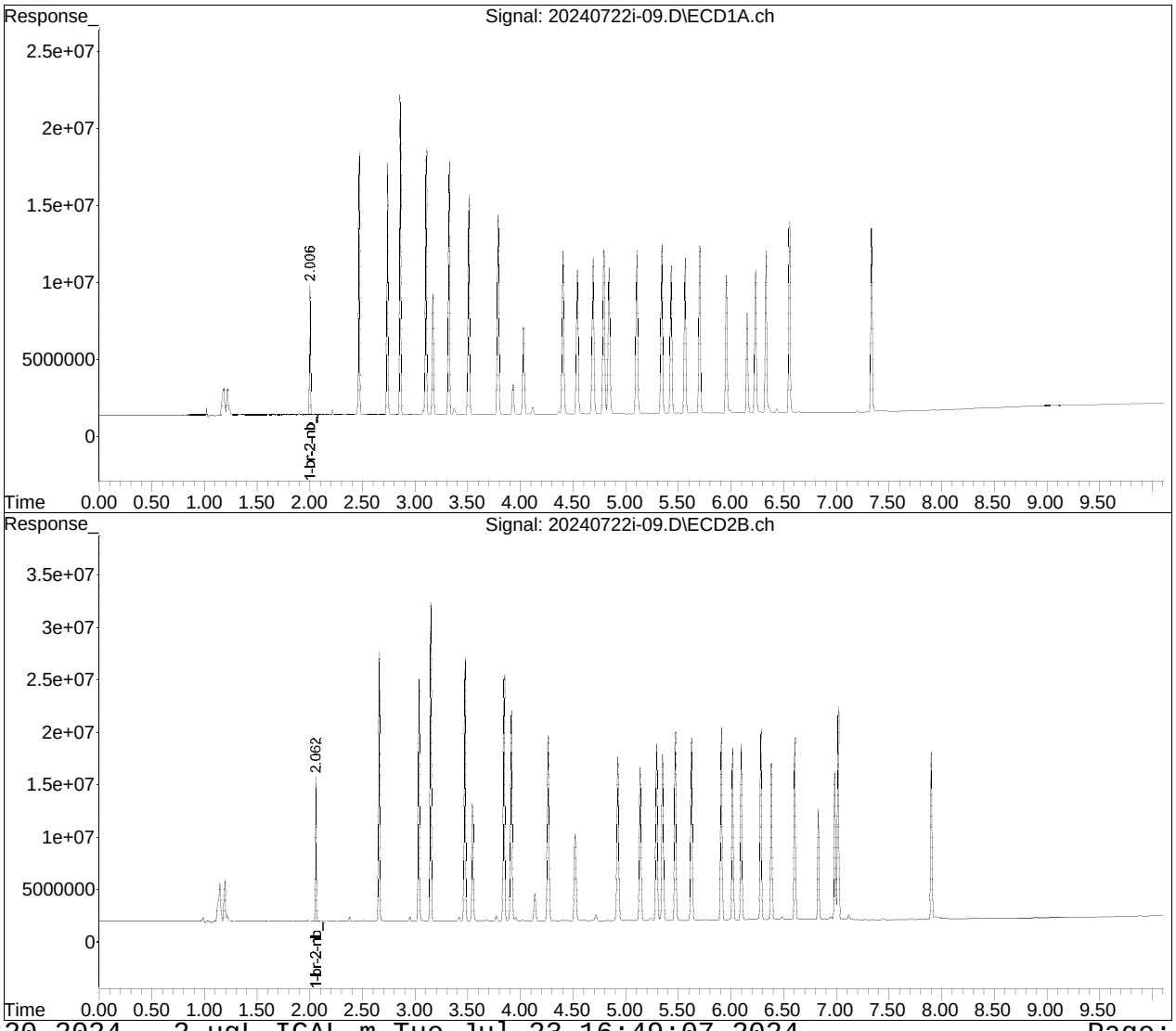
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:24
Operator : pest20:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:21:40 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:21:13 2024
Response via : Initial Calibration
Integrator: ChemStation

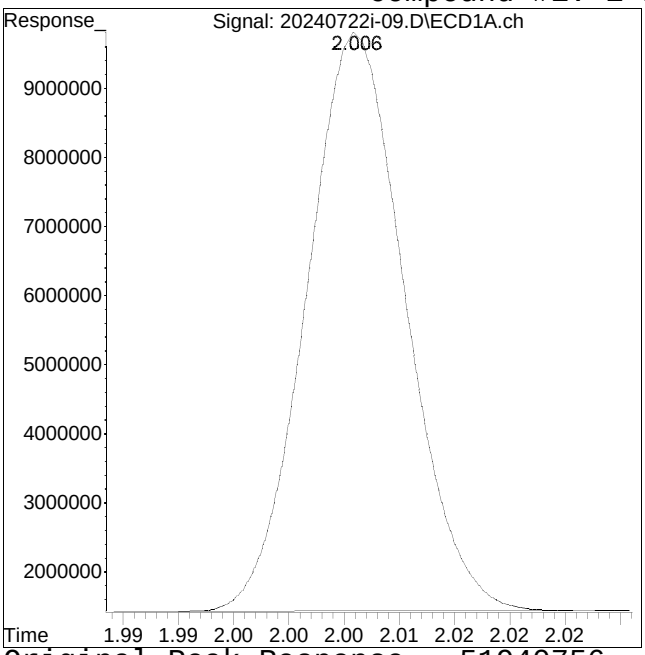
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



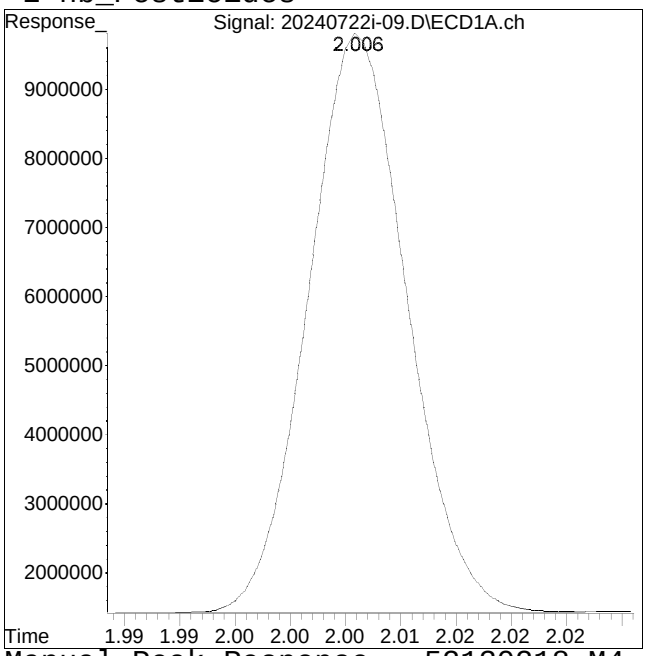
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 51940756



Manual Peak Response = 52130218 M4

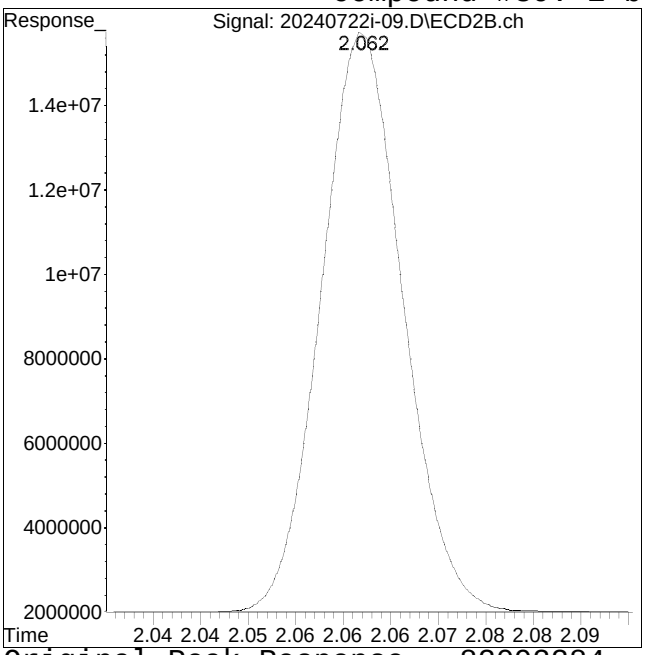
M4 = Poor automated baseline construction.

Manual Integration Report

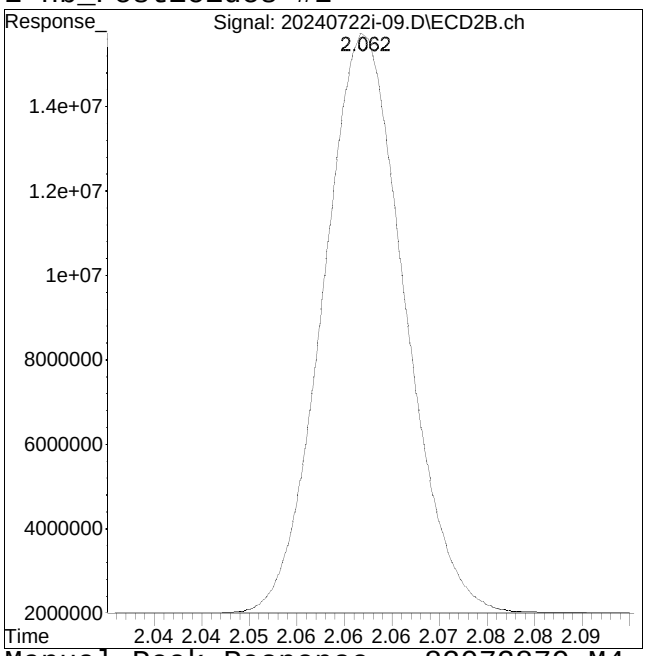
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-09.D
Date Inj'd : 7/22/2024 19:24
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:21 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 82092284



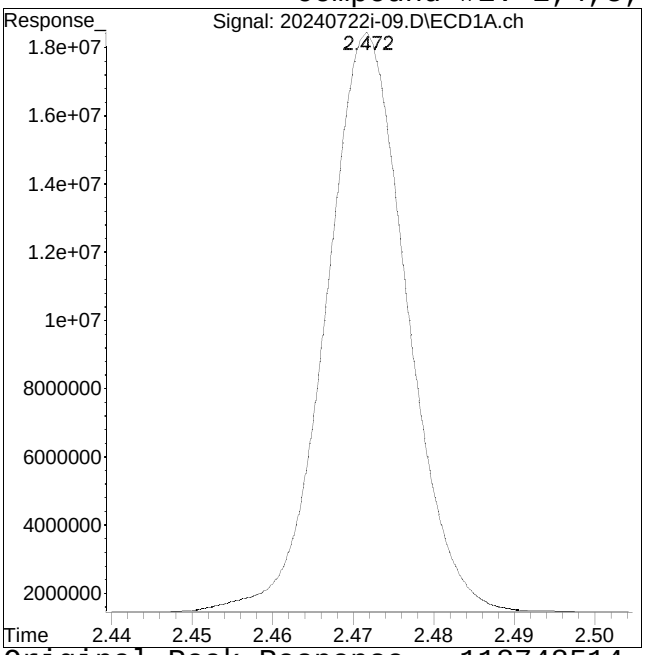
Manual Peak Response = 82072879 M4

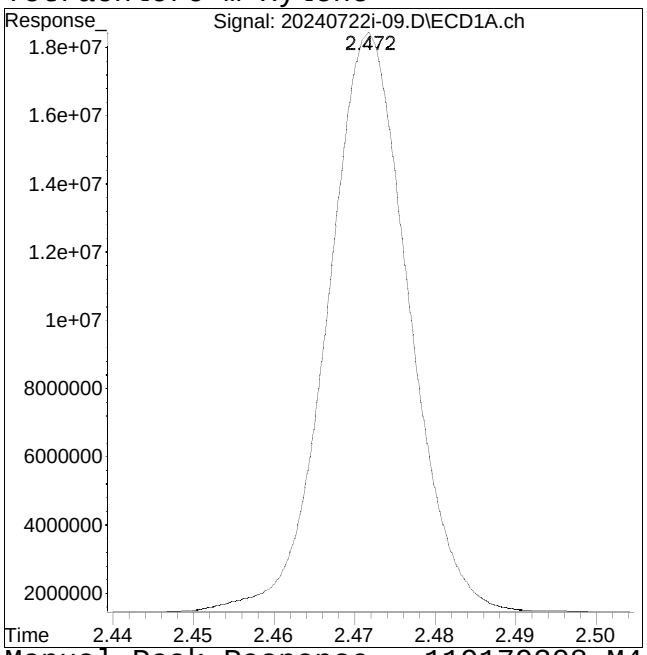
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



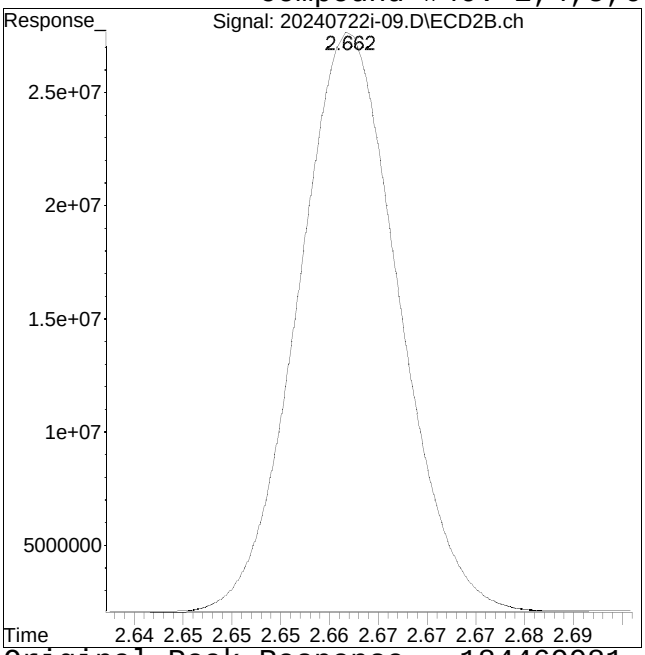


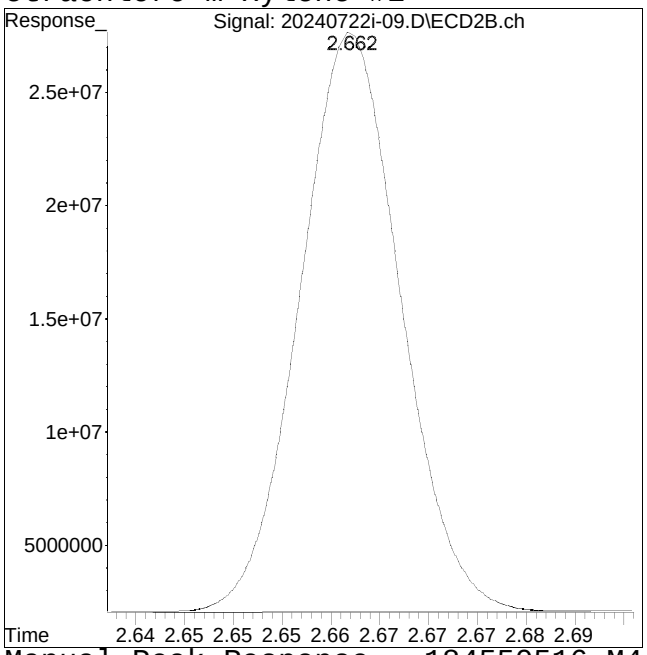
Original Peak Response = 118748514 Manual Peak Response = 119179308 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



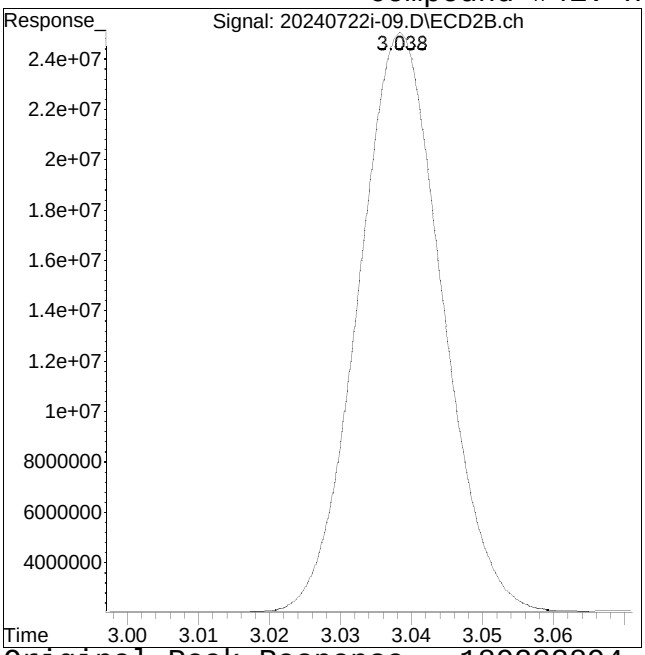


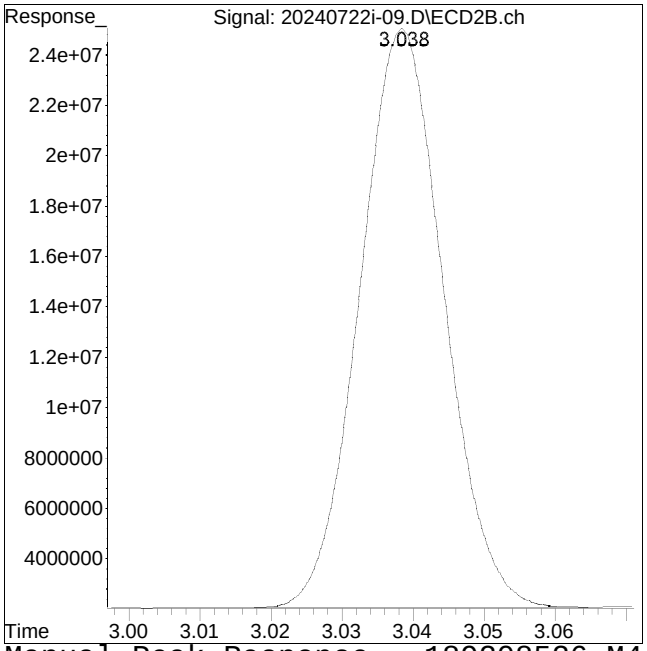
Original Peak Response = 184469981 Manual Peak Response = 184550516 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #41: Hexachlorobenzene #2



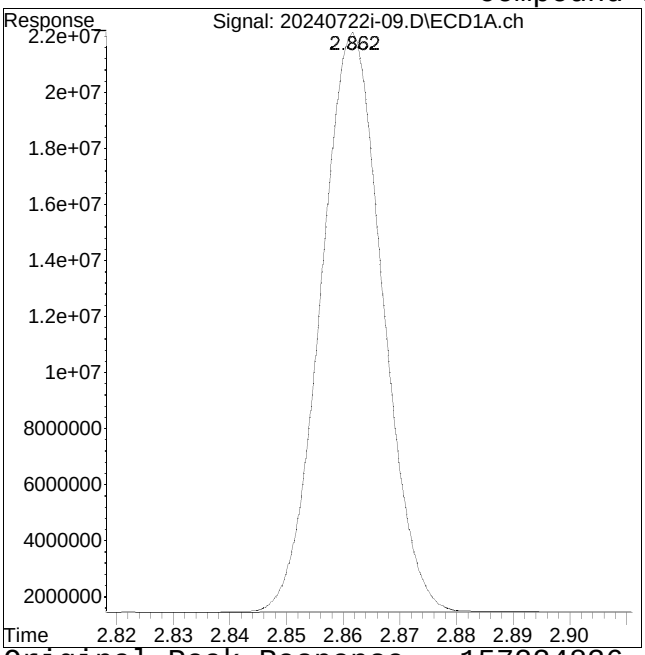


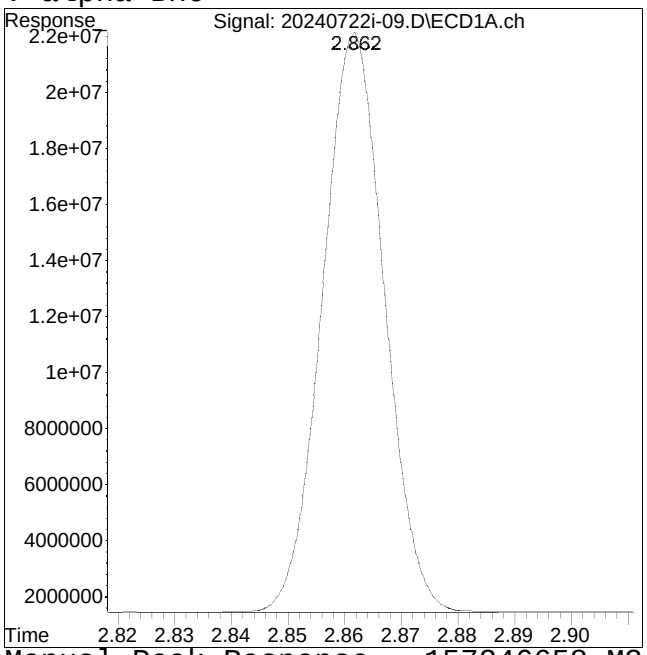
Original Peak Response = 189232894 Manual Peak Response = 189208526 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #4: alpha-BHC





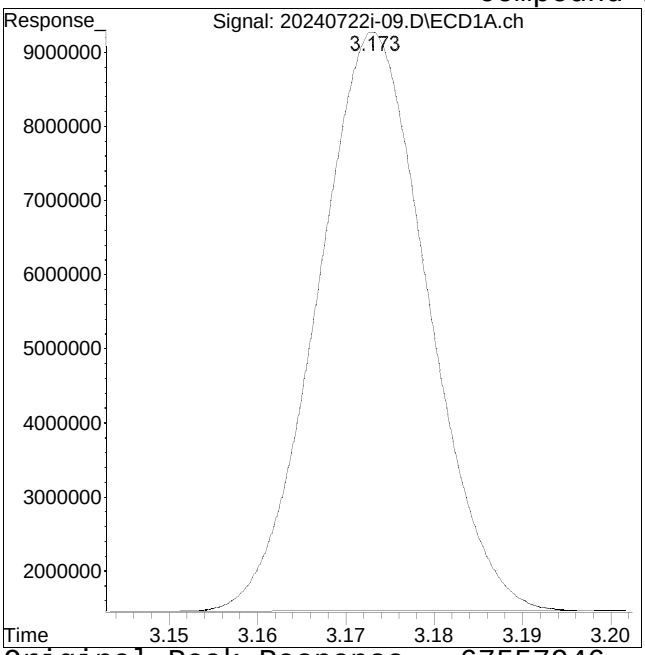
Original Peak Response = 157224836 Manual Peak Response = 157246658 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

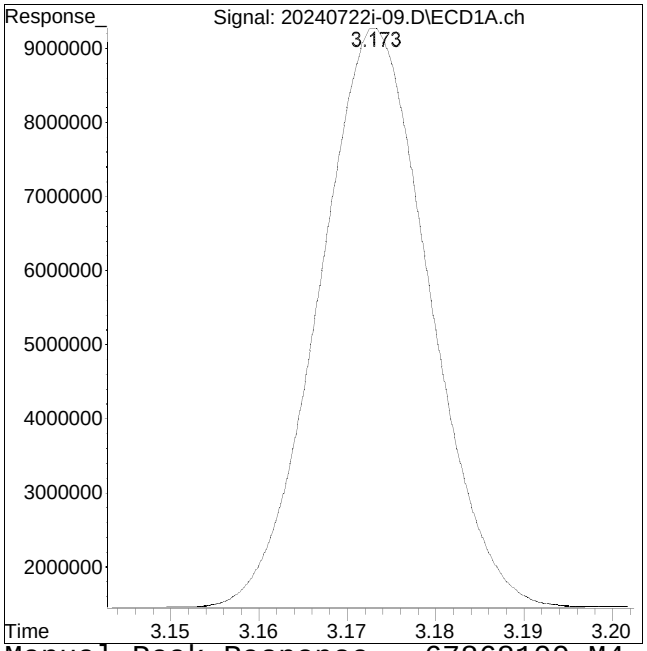
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-09.D
Date Inj'd : 7/22/2024 19:24
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:21 pm

Compound #6: beta-BHC



Original Peak Response = 67557946



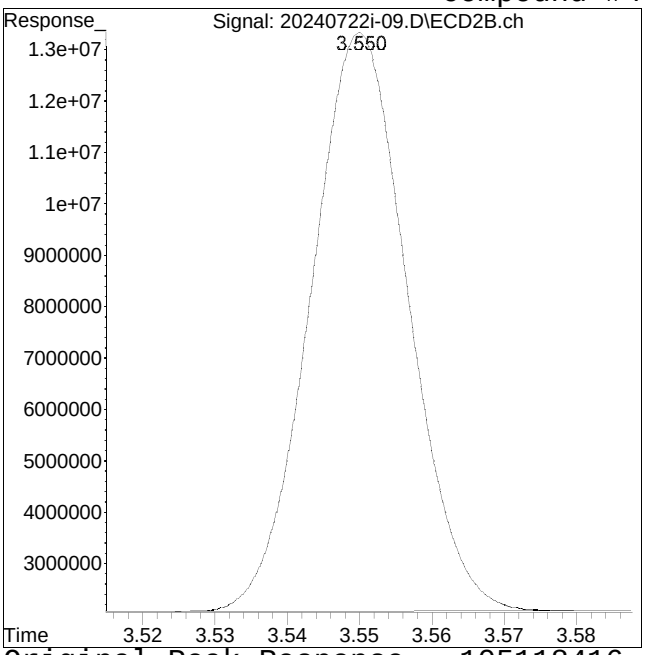
Manual Peak Response = 67868100 M4

M4 = Poor automated baseline construction.

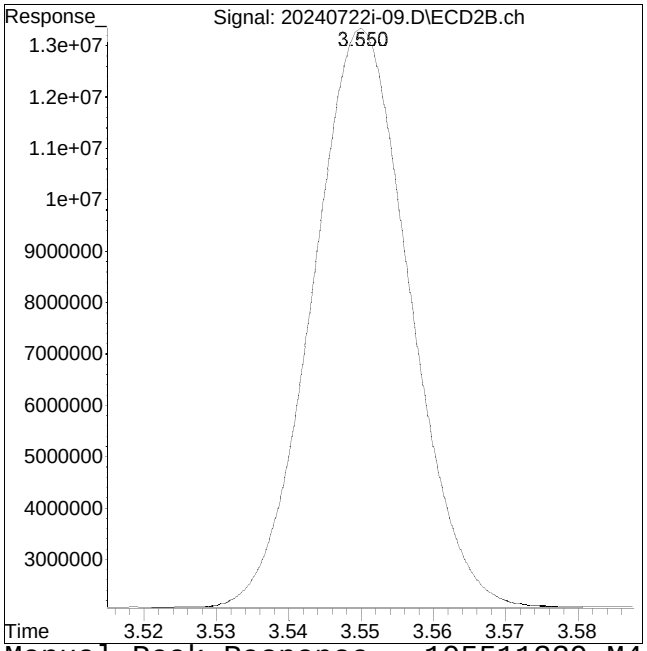
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #44: beta-BHC #2



Original Peak Response = 105118416



Manual Peak Response = 105511339 M4

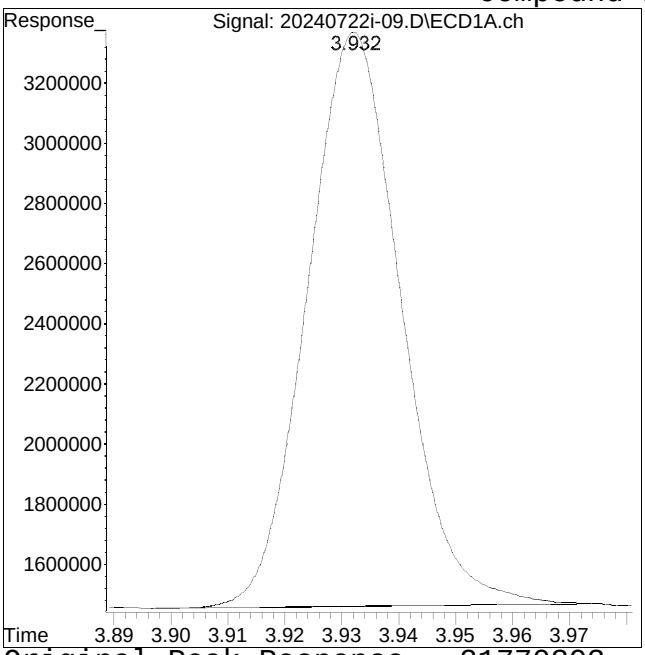
M4 = Poor automated baseline construction.

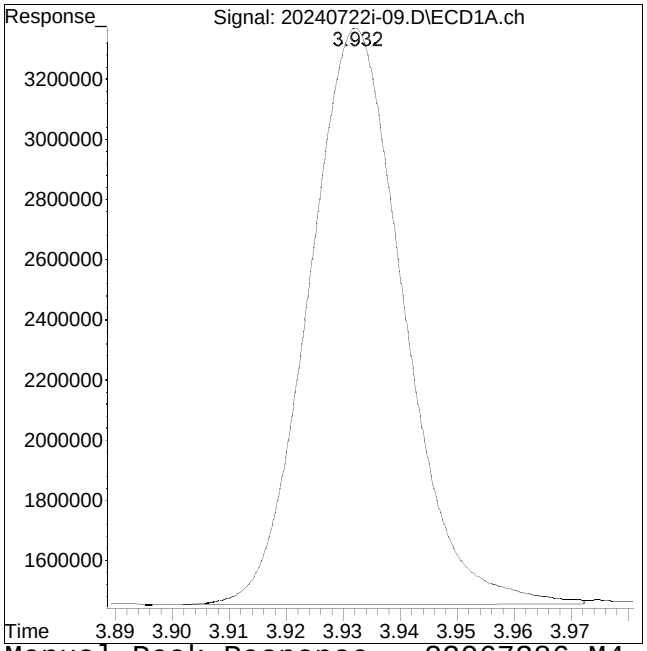
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-09.D
Date Inj'd : 7/22/2024 19:24
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:21 pm

Compound #10: Alachlor



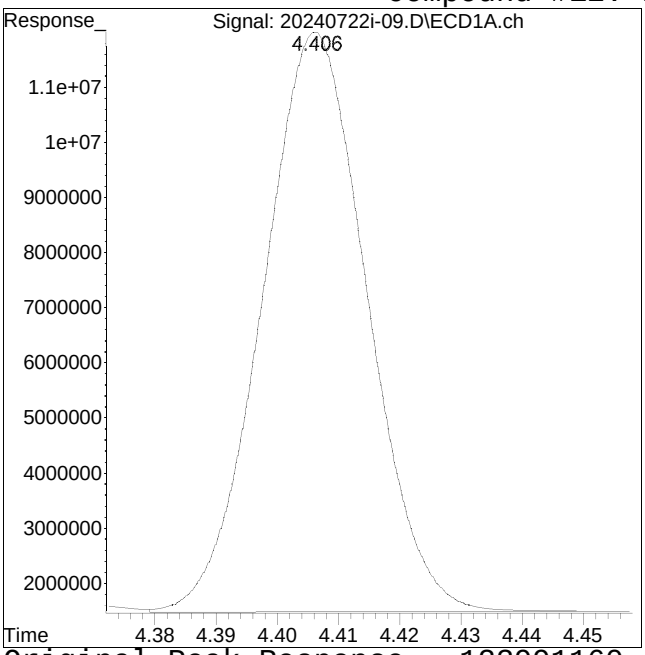


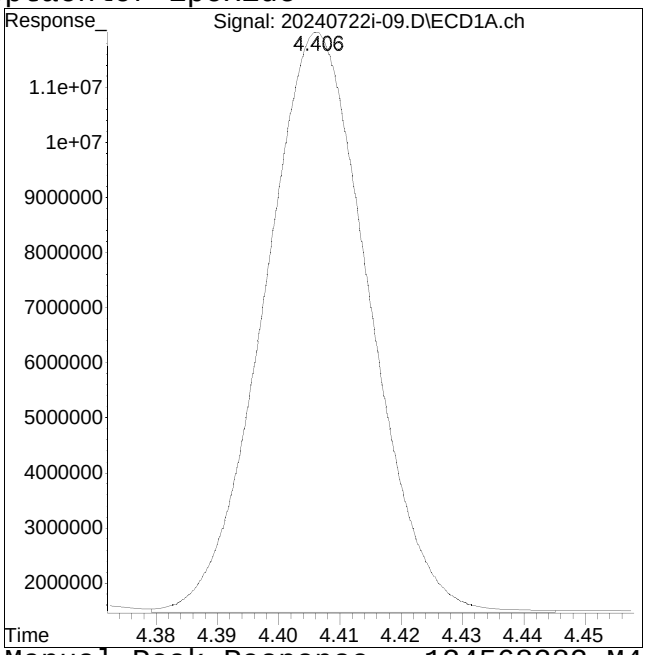
Original Peak Response = 21770393 Manual Peak Response = 22067386 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #12: Heptachlor Epoxide





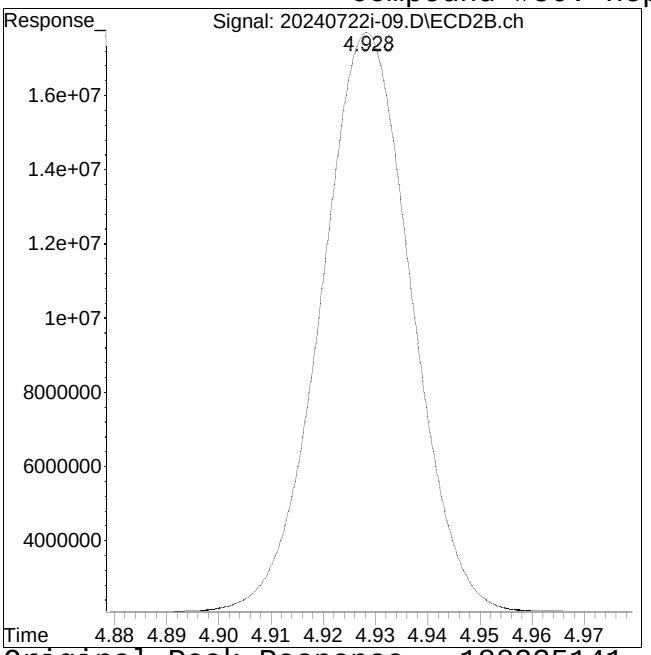
Original Peak Response = 123991160 Manual Peak Response = 124568282 M4
M4 = Poor automated baseline construction.

Manual Integration Report

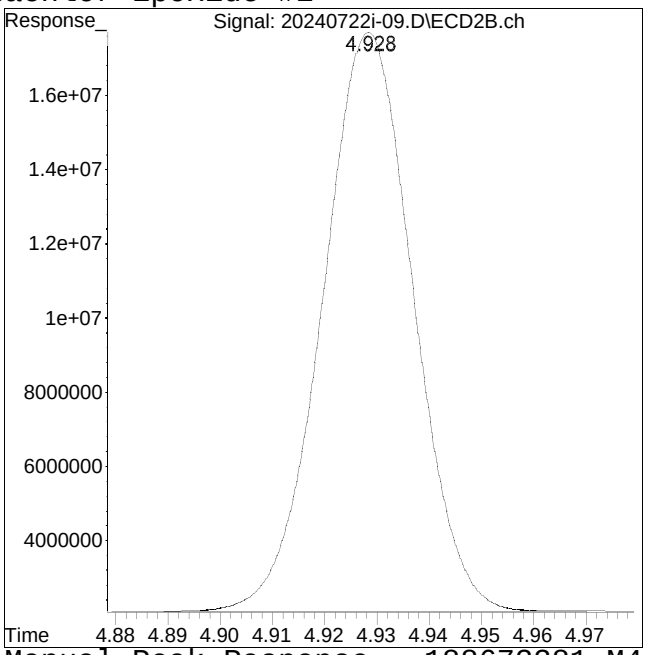
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-09.D
Date Inj'd : 7/22/2024 19:24
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:21 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 188235141



Manual Peak Response = 188673381 M4

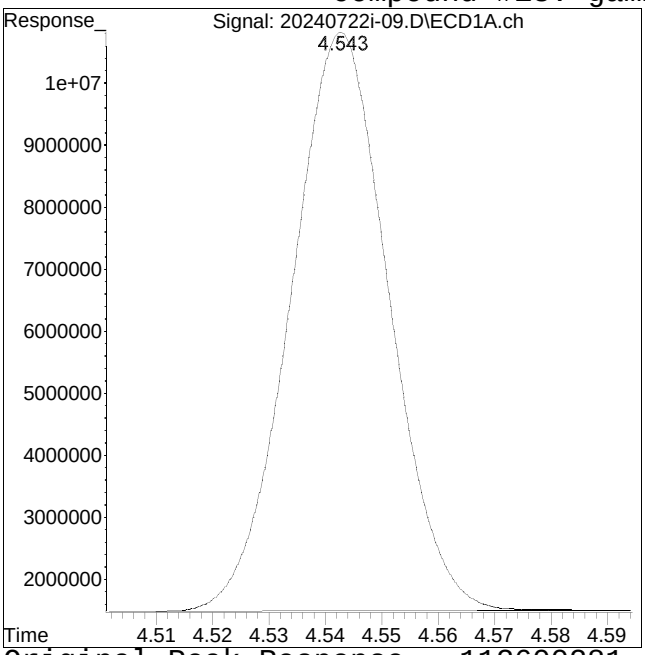
M4 = Poor automated baseline construction.

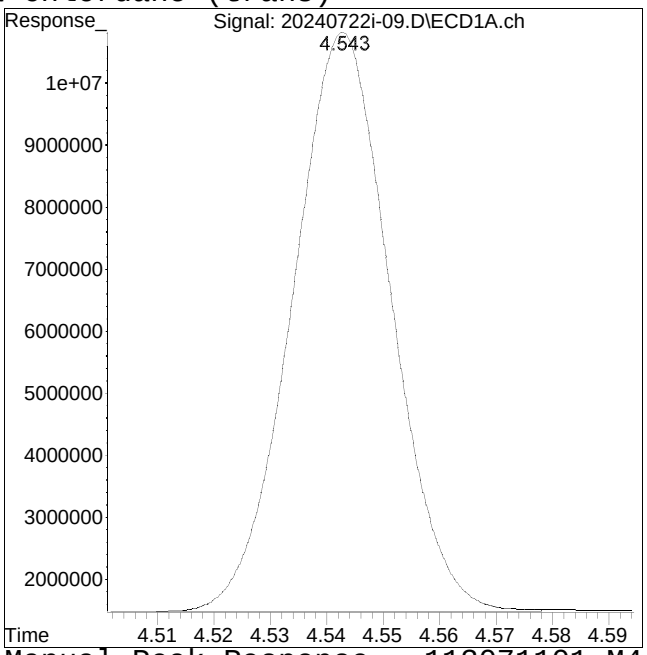
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-09.D
Date Inj'd : 7/22/2024 19:24
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:21 pm

Compound #13: gamma-Chlordane (trans)



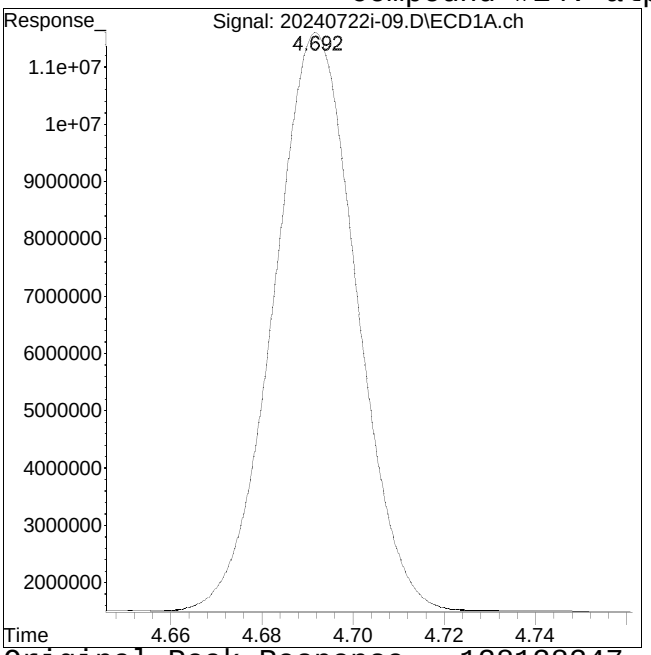


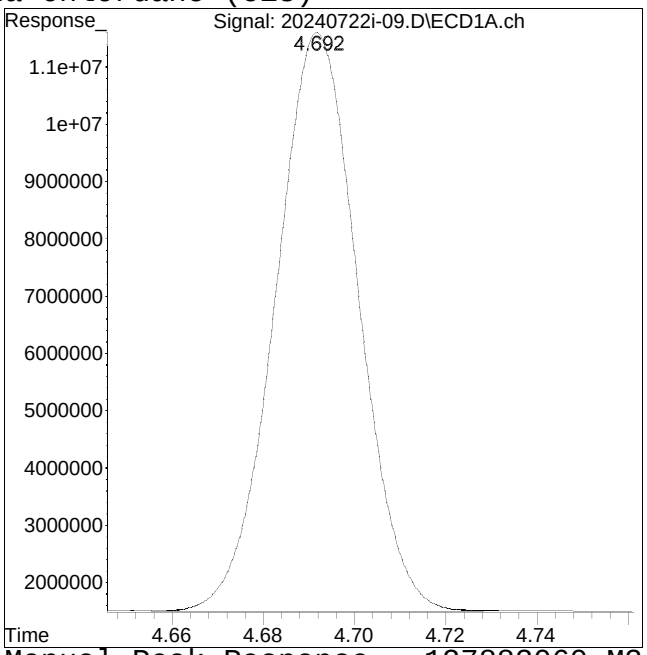
Original Peak Response = 112600281 Manual Peak Response = 113071101 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q Method : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0 Quant Date : 7/23/2024 12:21 pm

Compound #14: alpha-Chlordane (cis)



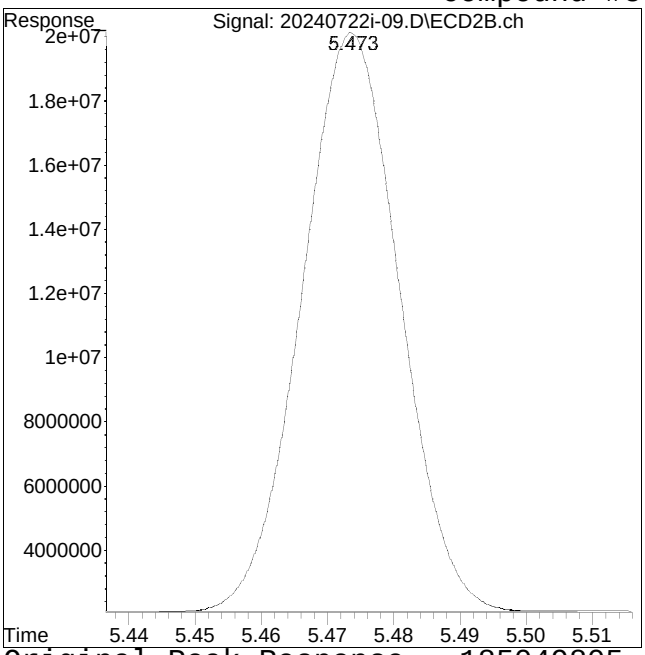


Original Peak Response = 128138347 Manual Peak Response = 127883060 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

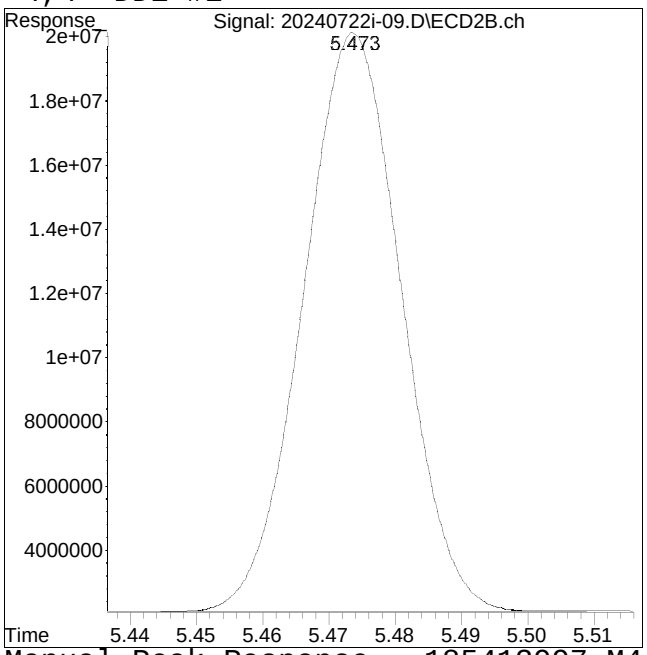
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q Method : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0 Quant Date : 7/23/2024 12:21 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 185049805



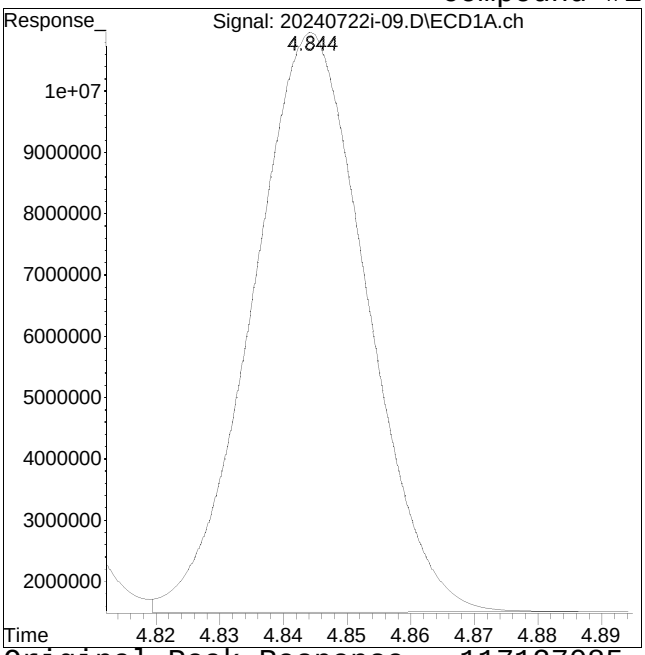
Manual Peak Response = 185413997 M4

M4 = Poor automated baseline construction.

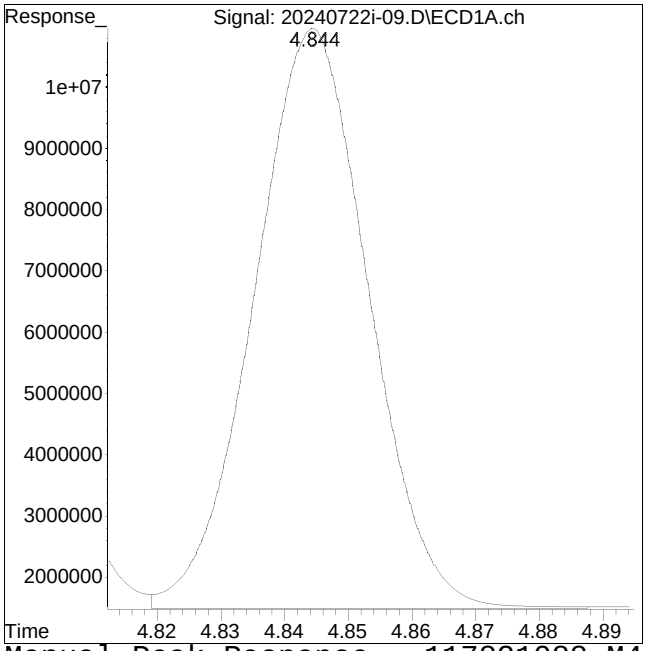
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #16: Endosulfan I



Original Peak Response = 117127085

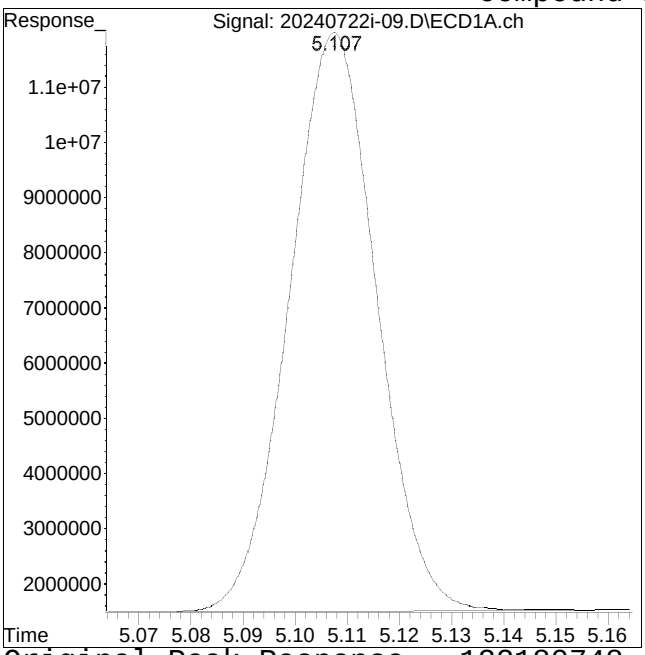


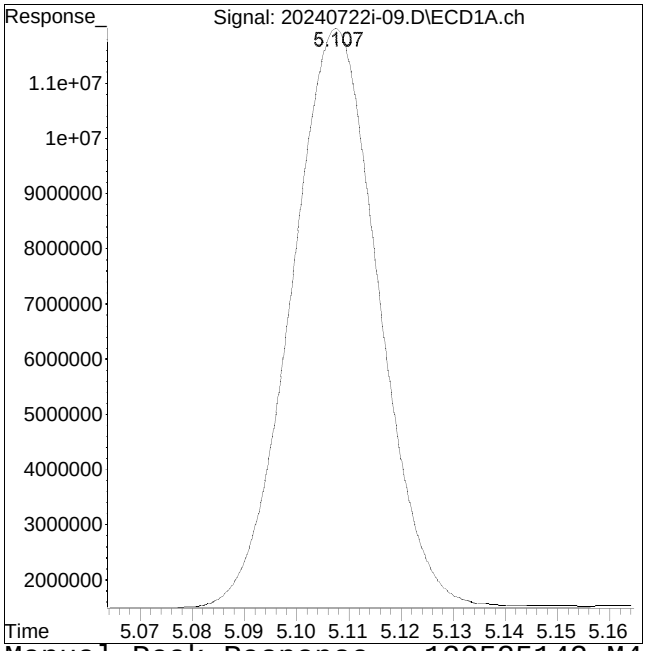
Manual Peak Response = 117821088 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #17: Dieldrin



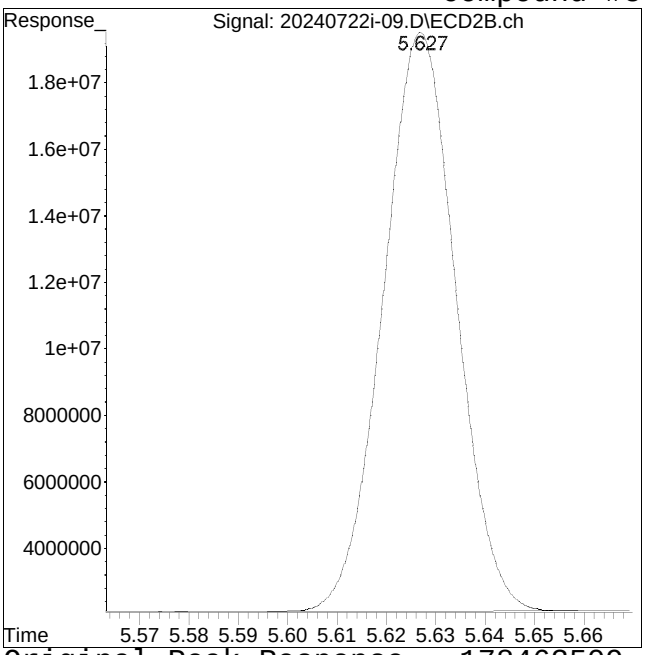


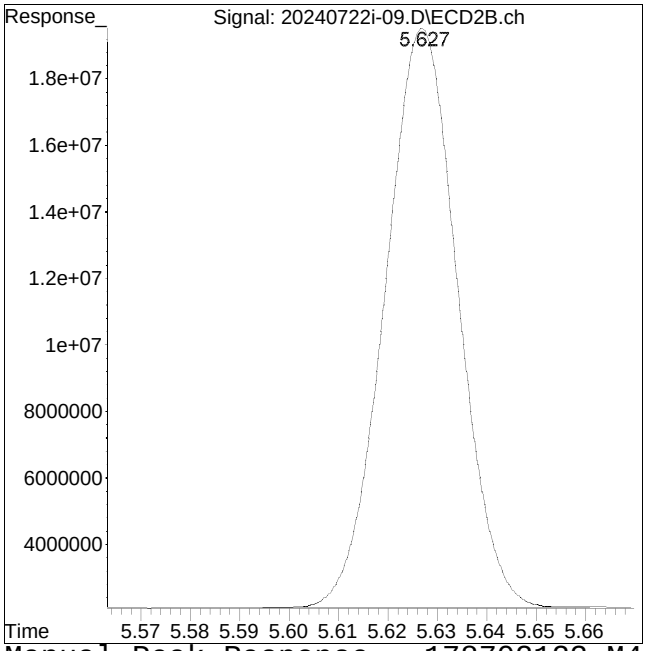
Original Peak Response = 122180748 Manual Peak Response = 122525142 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #55: Dieldrin #2



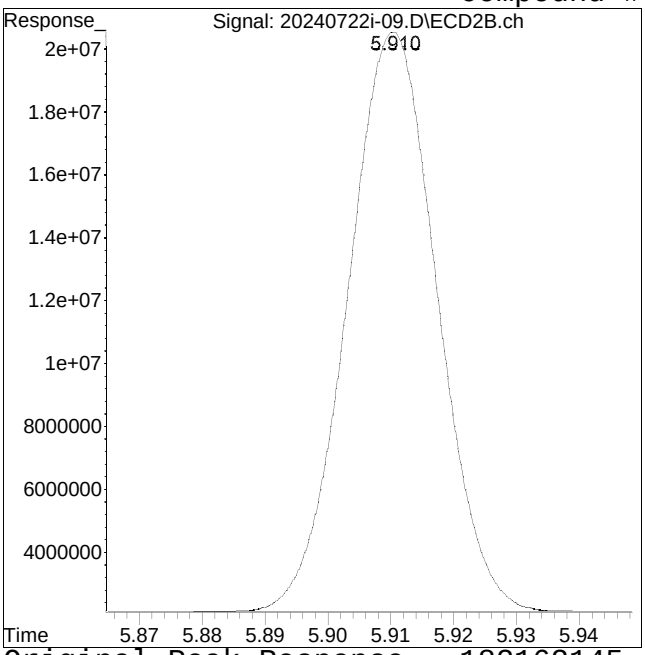


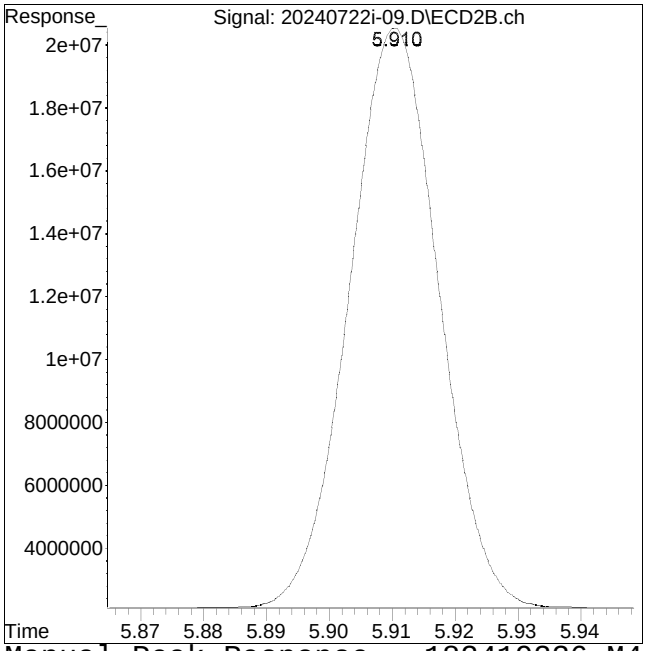
Original Peak Response = 178463509 Manual Peak Response = 178702123 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #56: Endrin #2





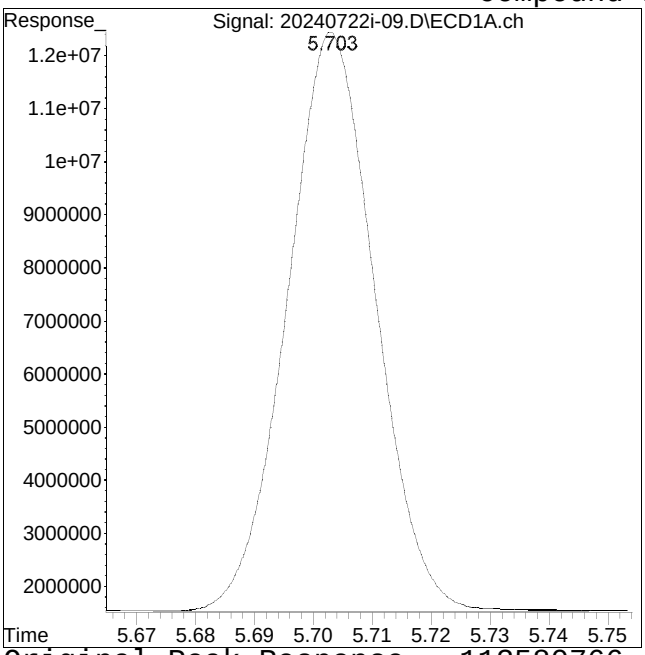
Original Peak Response = 182162145 Manual Peak Response = 182419236 M4
M4 = Poor automated baseline construction.

Manual Integration Report

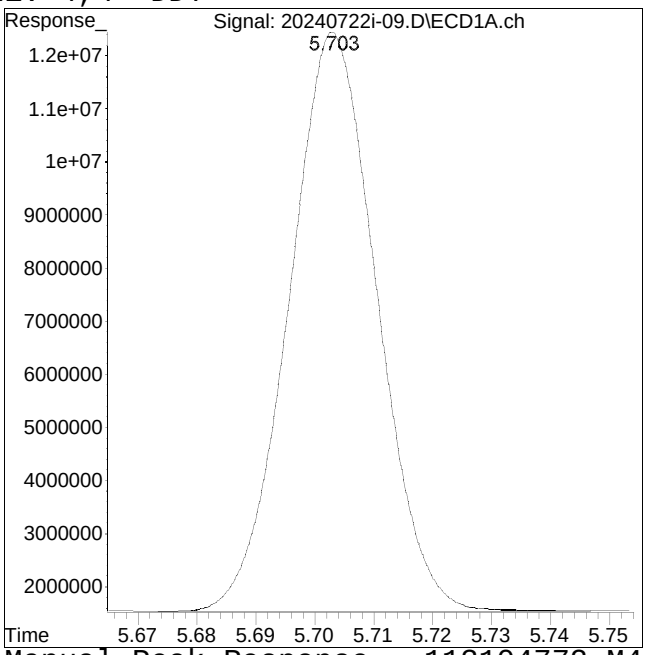
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-09.D
Date Inj'd : 7/22/2024 19:24
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:21 pm

Compound #21: 4,4'-DDT



Original Peak Response = 113580766



Manual Peak Response = 113104772 M4

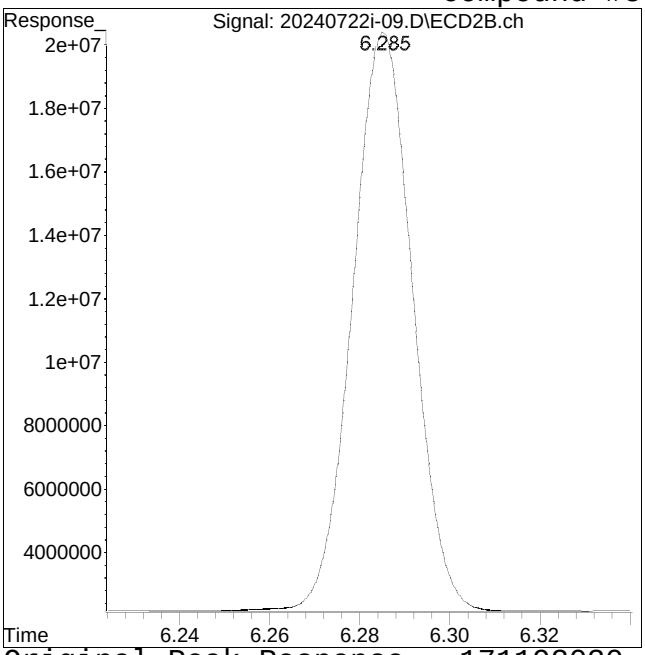
M4 = Poor automated baseline construction.

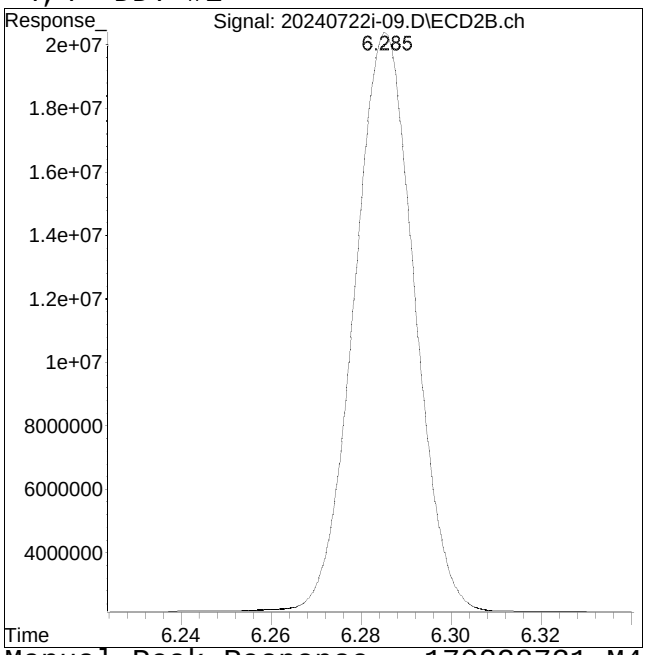
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-09.D
Date Inj'd : 7/22/2024 19:24
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:21 pm

Compound #59: 4,4'-DDT #2





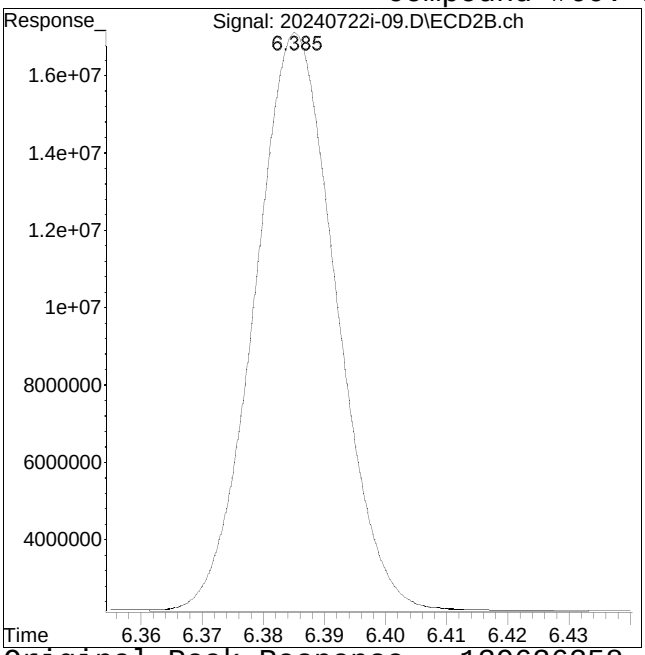
Original Peak Response = 171192030 Manual Peak Response = 170228731 M4
M4 = Poor automated baseline construction.

Manual Integration Report

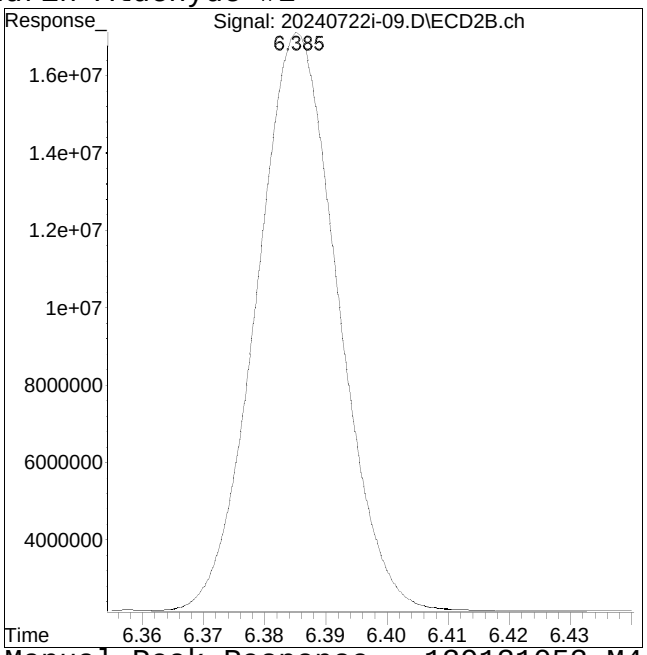
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-09.D
Date Inj'd : 7/22/2024 19:24
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:21 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 139636358



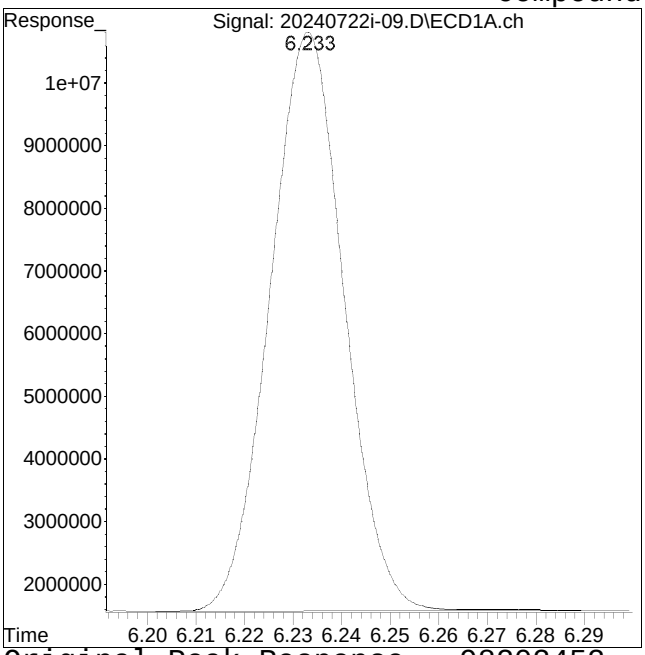
Manual Peak Response = 139131053 M4

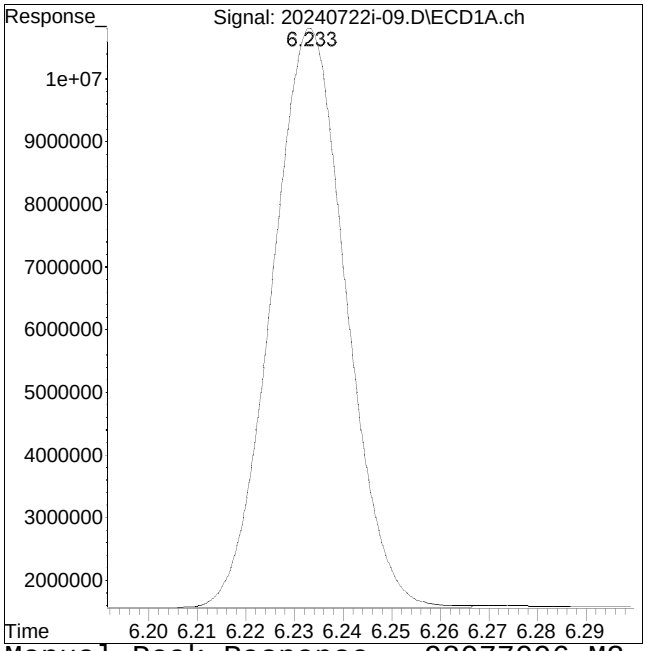
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #24: Mirex



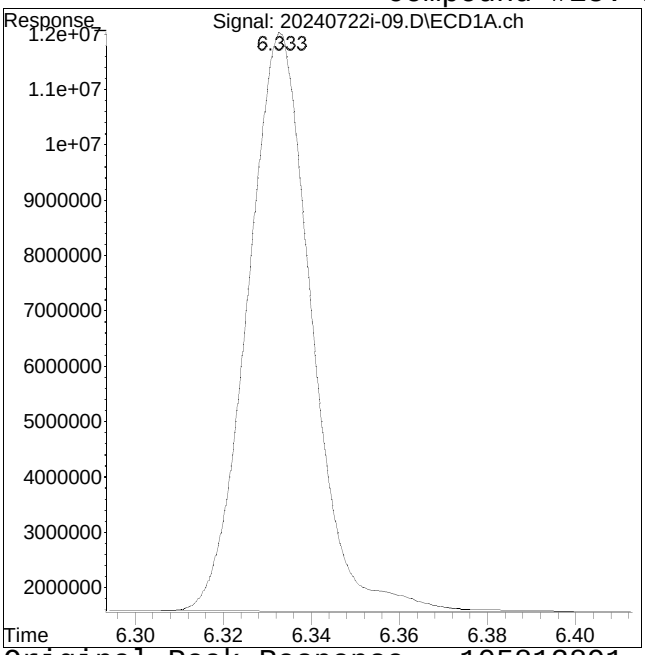


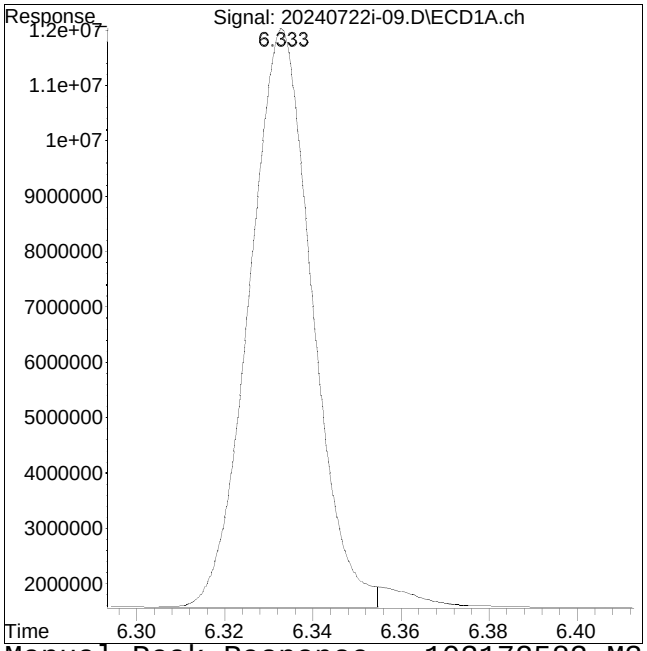
Original Peak Response = 98202452 Manual Peak Response = 98077096 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-09.D
Date Inj'd : 7/22/2024 19:24
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:21 pm

Compound #25: Endosulfan Sulfate





Original Peak Response = 105812891 Manual Peak Response = 103172583 M3

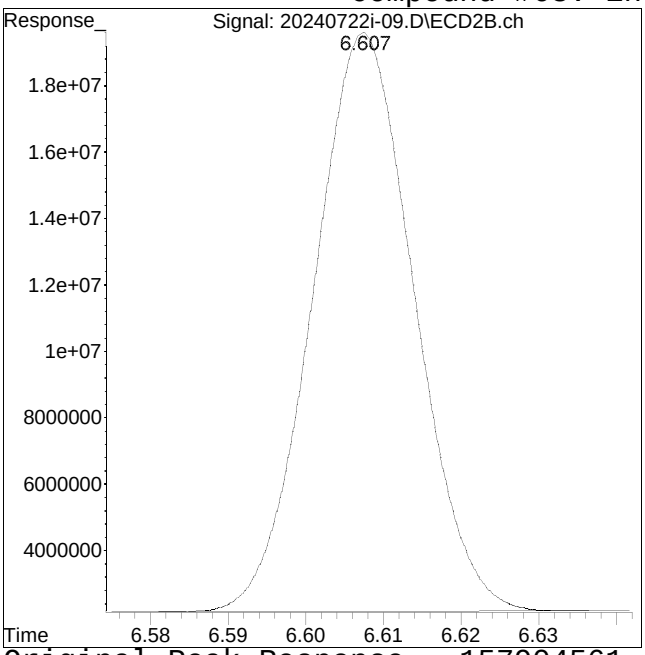
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

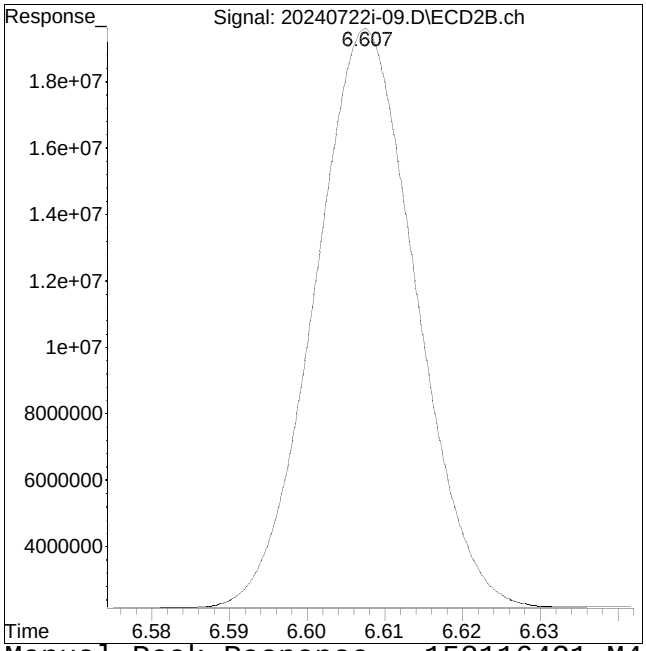
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-09.D
Date Inj'd : 7/22/2024 19:24
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:21 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 157904561



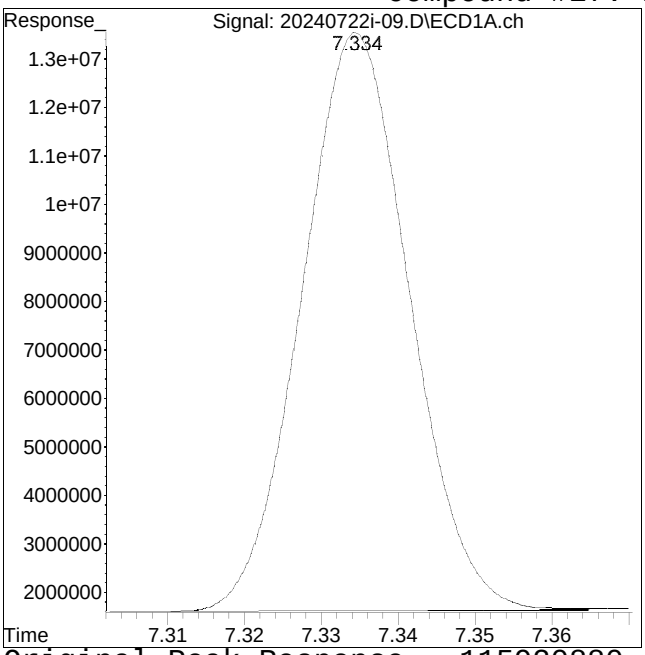
Manual Peak Response = 158116421 M4

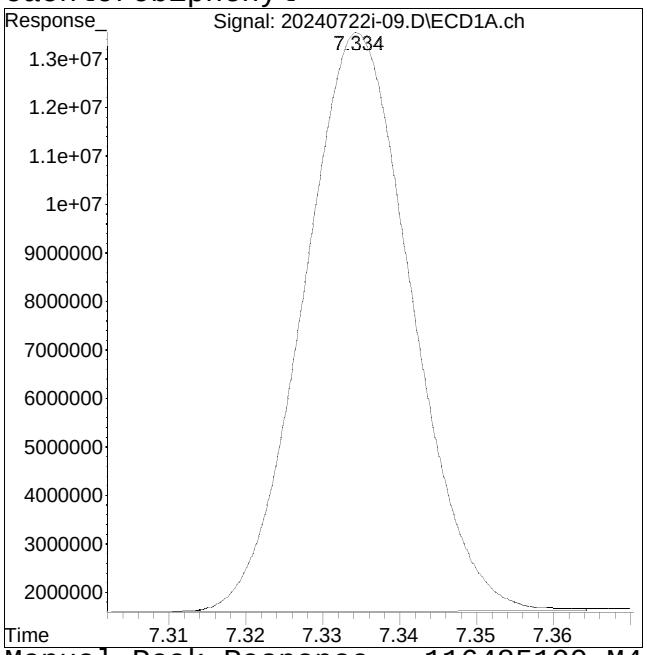
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-09.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:24 Instrument : PEST 20
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 7/23/2024 12:21 pm

Compound #27: Decachlorobiphenyl





Original Peak Response = 115920880 Manual Peak Response = 116485190 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:36
Operator : pest20:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:31:11 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:27:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	2.007	2.063	50847371	80468304	25.000	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.472	2.663	233.3E6	364.2E6	100.335M4	100.627
	Spiked Amount	50.000	Range 30 - 150		Recovery =	200.67%#	201.25%#
27) s	Decachlorobi	7.336	7.904	220.6E6	288.9E6	97.089	97.941M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	194.18%#	195.88%#
	Target Compounds						
3)	Hexachlorobe	2.740	3.039	238.7E6	368.5E6	98.281	99.309
4)	alpha-BHC	2.863	3.152	313.5E6	500.7E6	102.188	103.376M4
5)	gamma-BHC (l	3.107	3.476	282.6E6	452.7E6	101.358	102.659M4
6)	beta-BHC	3.173	3.550	130.0E6	204.9E6	98.220M4	99.043M3
7)	delta-BHC	3.324	3.847	285.4E6	459.3E6	101.992	103.406M4
8)	Heptachlor	3.512	3.917	269.0E6	418.0E6	99.893M3	101.587M4
9)	Aldrin	3.791	4.267	264.1E6	395.2E6	101.155M4	102.410
10)	Alachlor	3.933	4.140	40021571	54767498	92.968M4	93.951
11)	Chlorpyrifos	4.033	4.524	119.3E6	191.4E6	93.891	95.221
12)	Heptachlor E	4.407	4.929	241.7E6	372.3E6	99.443M4	100.642M4

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:36
Operator : pest20:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:31:11 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:27:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)		gamma-Chlord	4.543	5.140	220.4E6	328.7E6	99.899M4	101.259M4
14)		alpha-Chlord	4.693	5.296	248.2E6	365.6E6	99.478	100.917
15)		4,4'-DDE	4.794	5.474	255.2E6	372.8E6	101.196M4	102.525M4
16)		Endosulfan I	4.845	5.354	228.8E6	343.0E6	99.563M4	101.147
17)		Dieldrin	5.108	5.628	240.4E6	359.0E6	100.574	102.449
18)		Endrin	5.344	5.911	240.9E6	365.8E6	100.297M4	102.251
19)		4,4'-DDD	5.433	6.017	204.4E6	304.5E6	100.632M4	102.361M4
20)		Endosulfan I	5.566	6.100	211.5E6	323.8E6	99.681	101.026M4
21)		4,4'-DDT	5.704	6.285	220.2E6	338.5E6	99.800M4	101.418M4
22)		Endrin Aldeh	5.958	6.385	183.0E6	277.0E6	100.092	101.531M4
23)		Methoxychlor	6.154	6.832	121.4E6	180.4E6	96.323	97.812M4
24)		Mirex	6.233	6.988	184.6E6	261.3E6	96.482M3	97.413M4
25)		Endosulfan S	6.333	6.607	199.7E6	311.0E6	99.228M3	100.305M4
26)		Endrin Keton	6.556	7.019	229.5E6	354.3E6	99.160	100.312M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:36
Operator : pest20:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:31:11 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:27:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

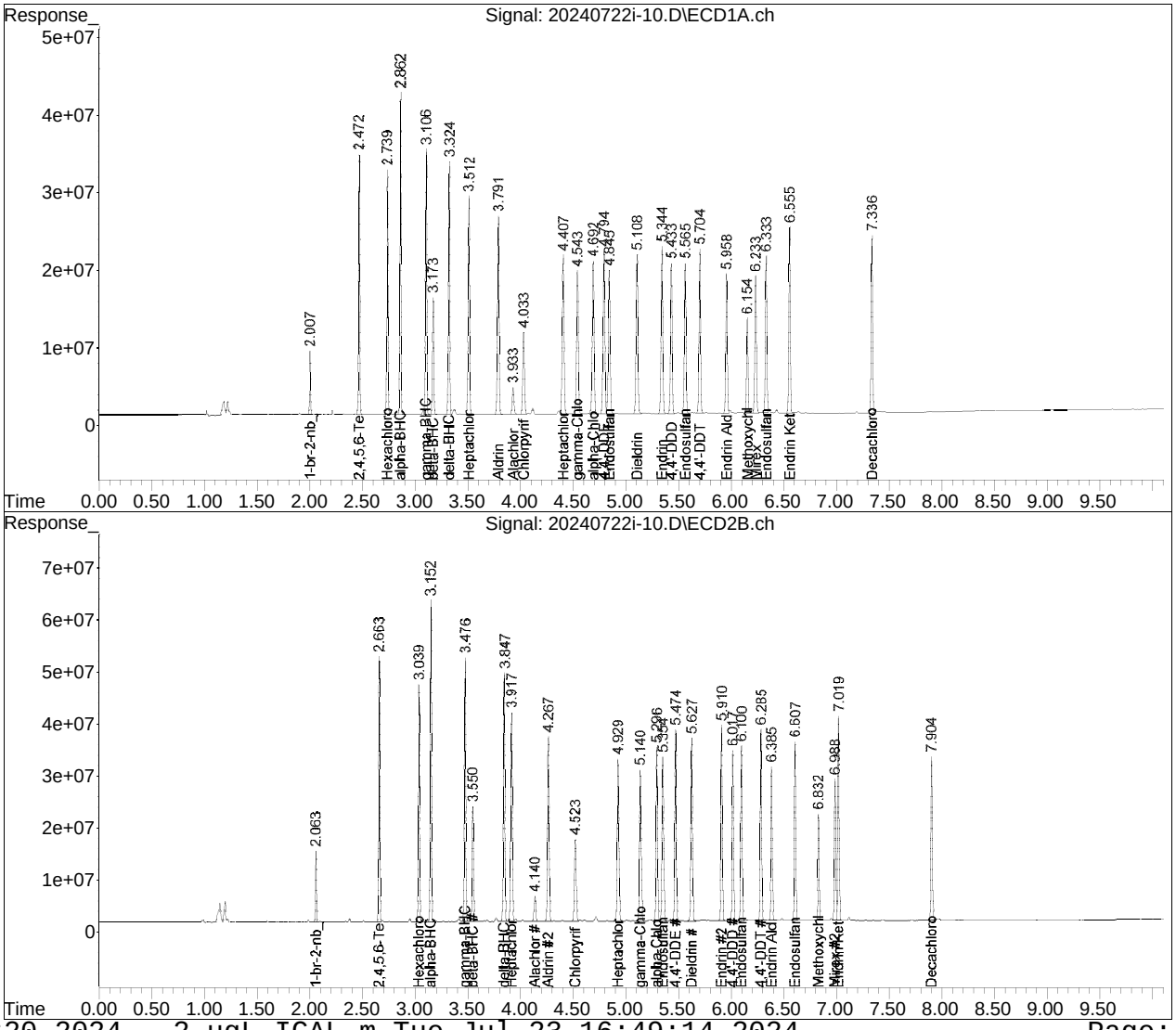
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:36
Operator : pest20:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:31:11 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:27:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

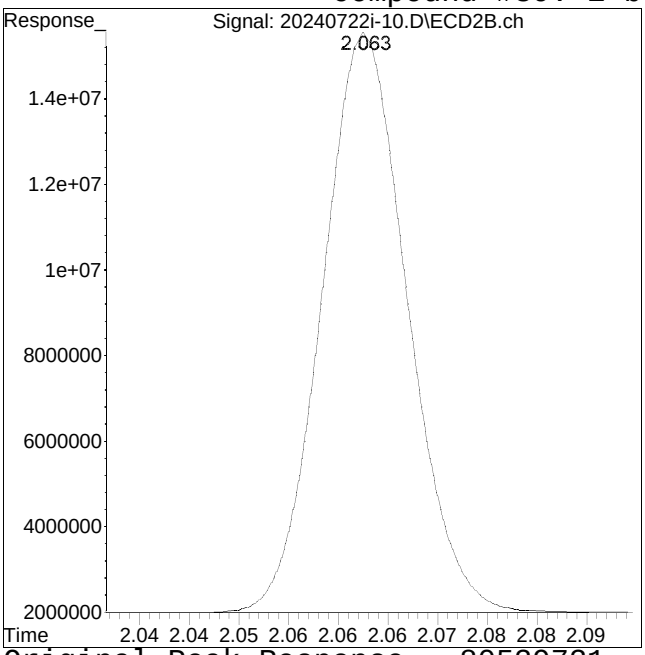


Manual Integration Report

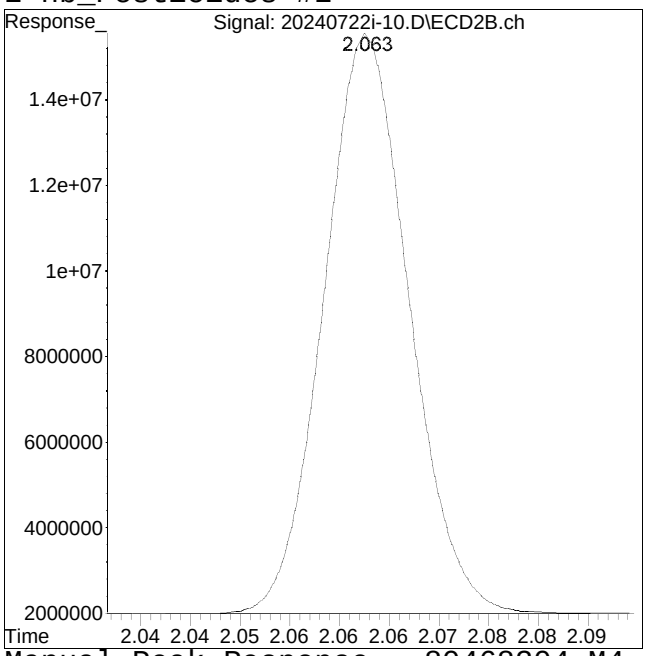
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 80539731



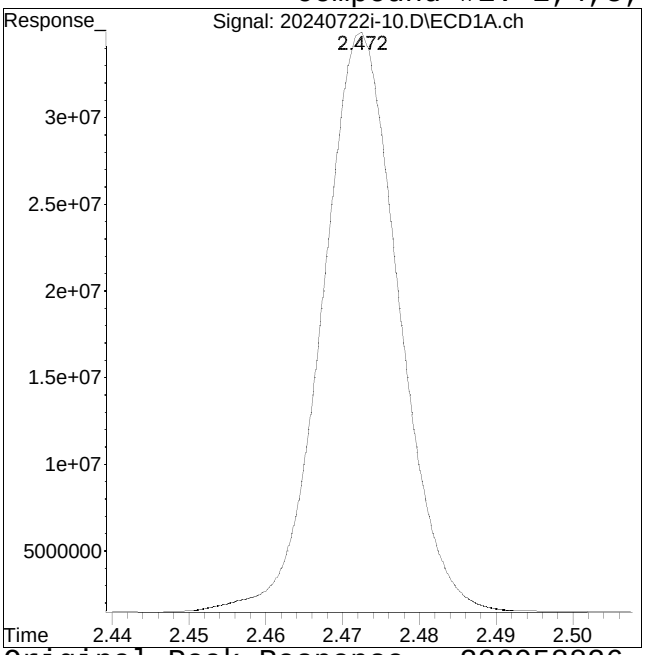
Manual Peak Response = 80468304 M4

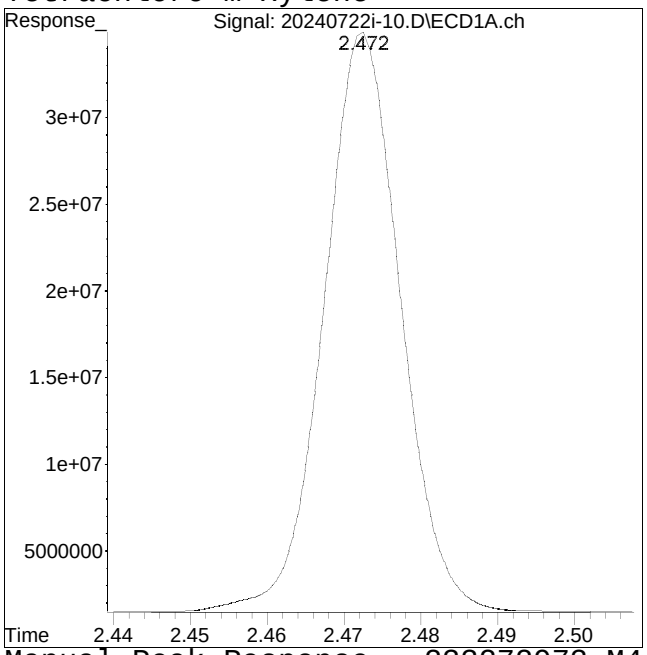
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-10.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:36 Instrument : PEST 20
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/23/2024 12:31 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





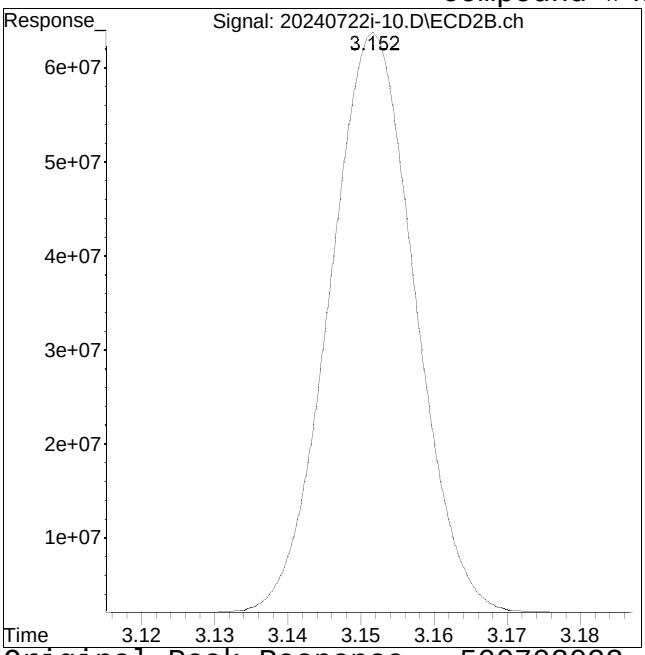
Original Peak Response = 232958826 Manual Peak Response = 233272973 M4
M4 = Poor automated baseline construction.

Manual Integration Report

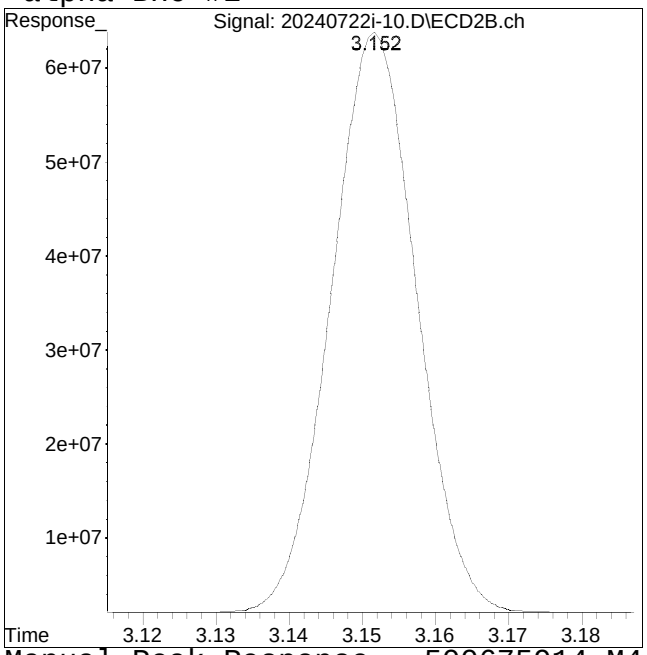
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #42: alpha-BHC #2



Original Peak Response = 500702023



Manual Peak Response = 500675914 M4

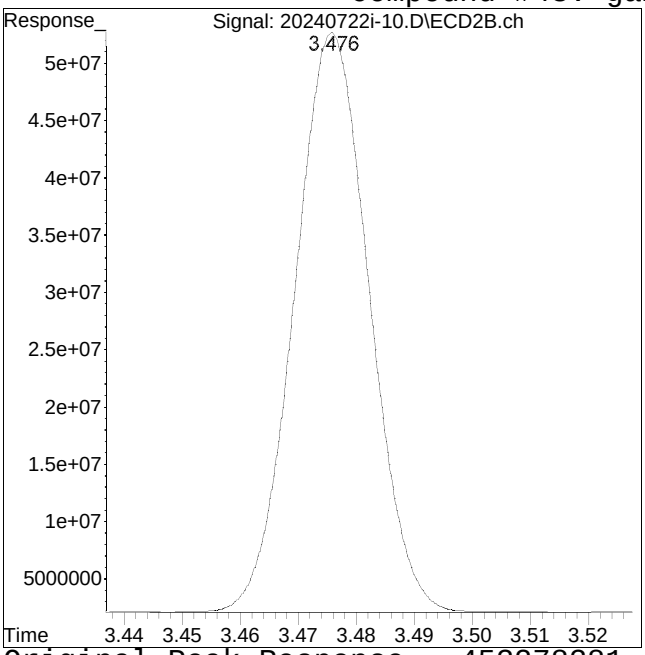
M4 = Poor automated baseline construction.

Manual Integration Report

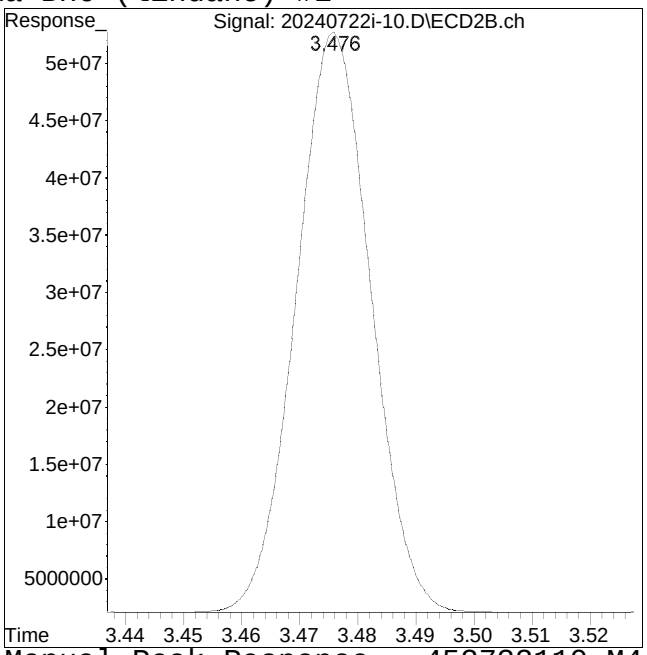
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 453278381



Manual Peak Response = 452733110 M4

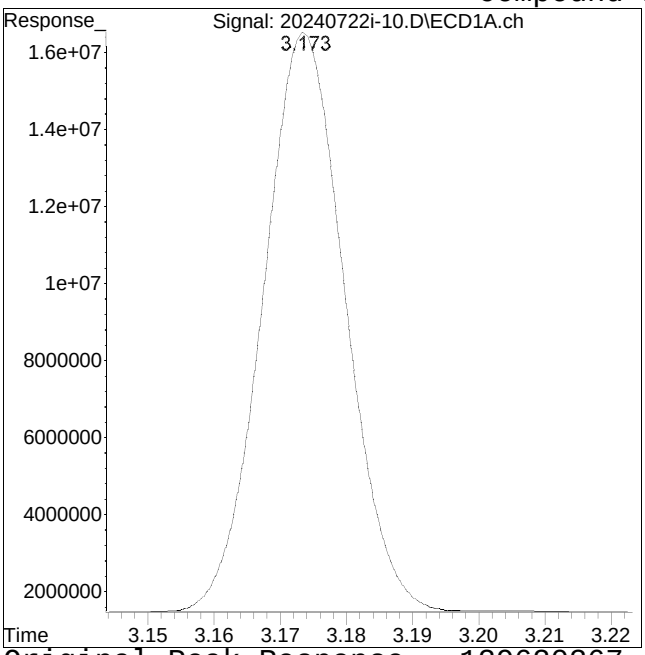
M4 = Poor automated baseline construction.

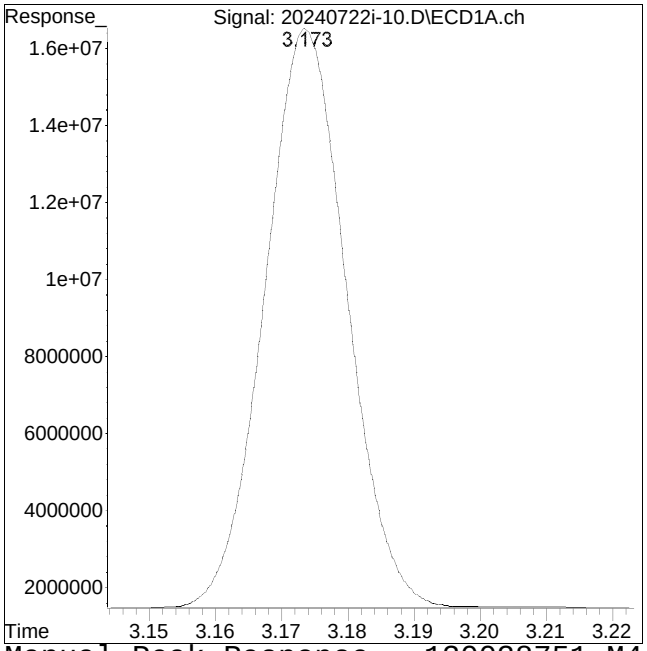
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #6: beta-BHC



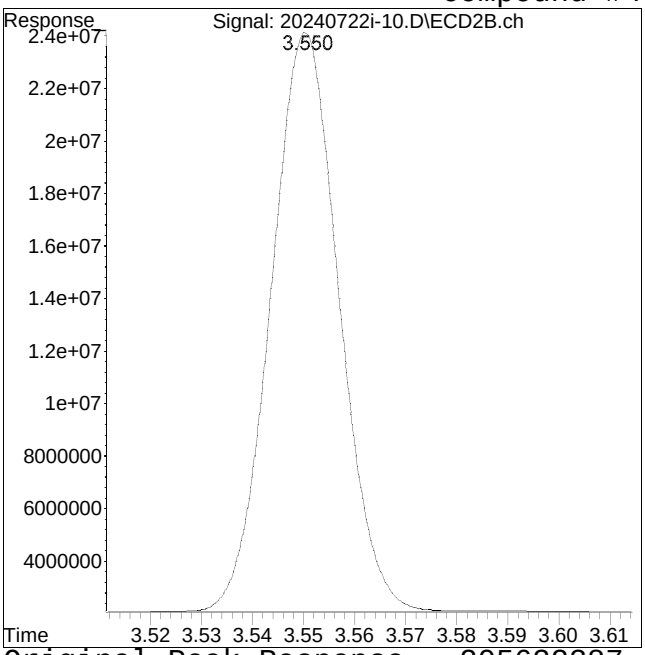


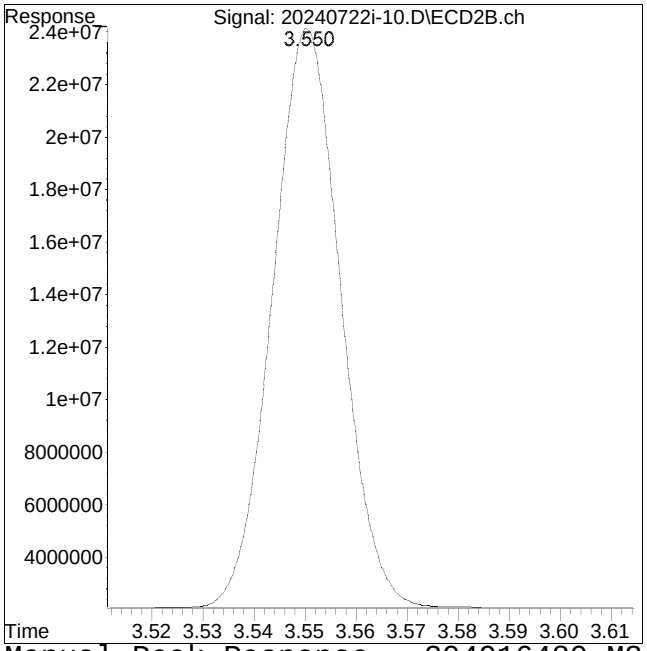
Original Peak Response = 129620367 Manual Peak Response = 130038751 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-10.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:36 Instrument : PEST 20
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/23/2024 12:31 pm

Compound #44: beta-BHC #2





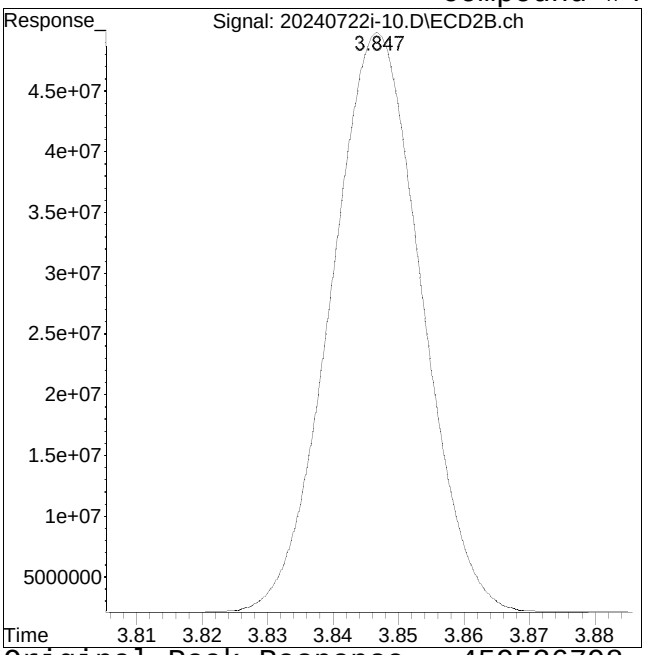
Original Peak Response = 205632387 Manual Peak Response = 204916480 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

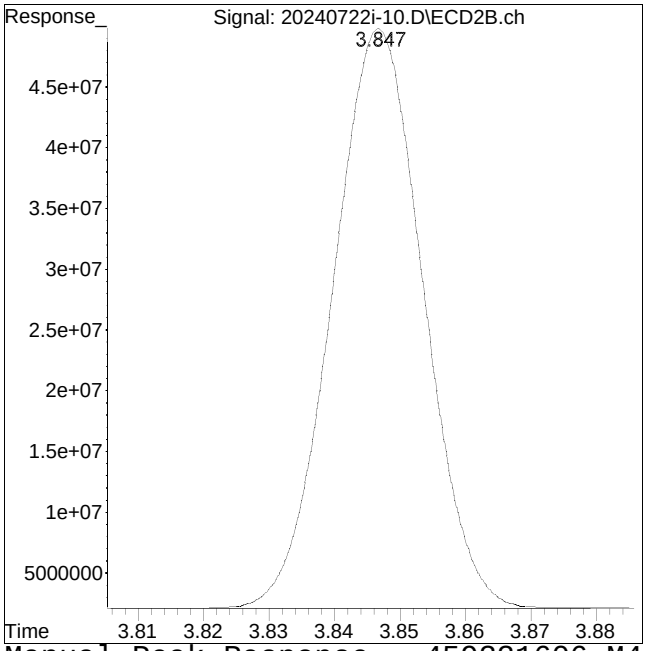
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #45: delta-BHC #2



Original Peak Response = 459526798



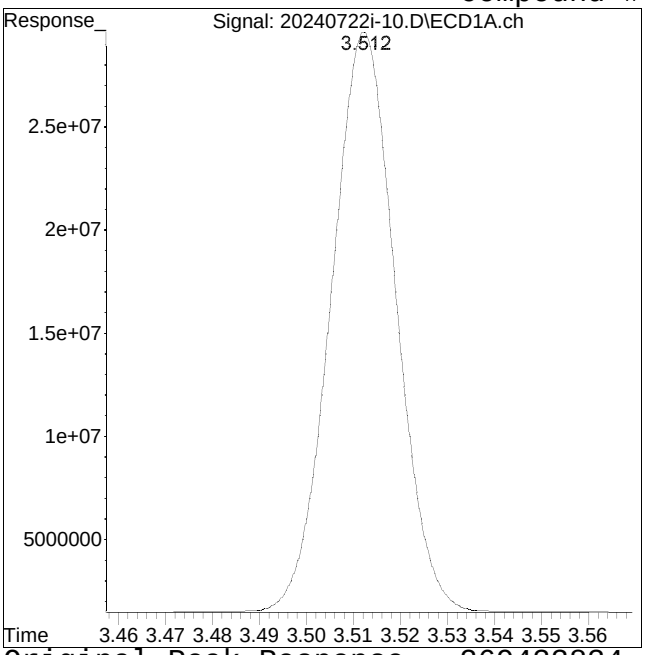
Manual Peak Response = 459331606 M4

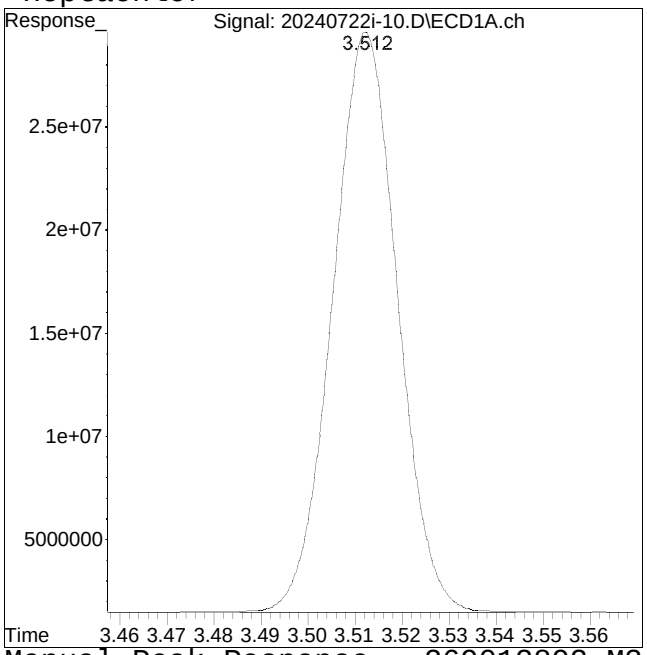
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-10.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:36 Instrument : PEST 20
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/23/2024 12:31 pm

Compound #8: Heptachlor





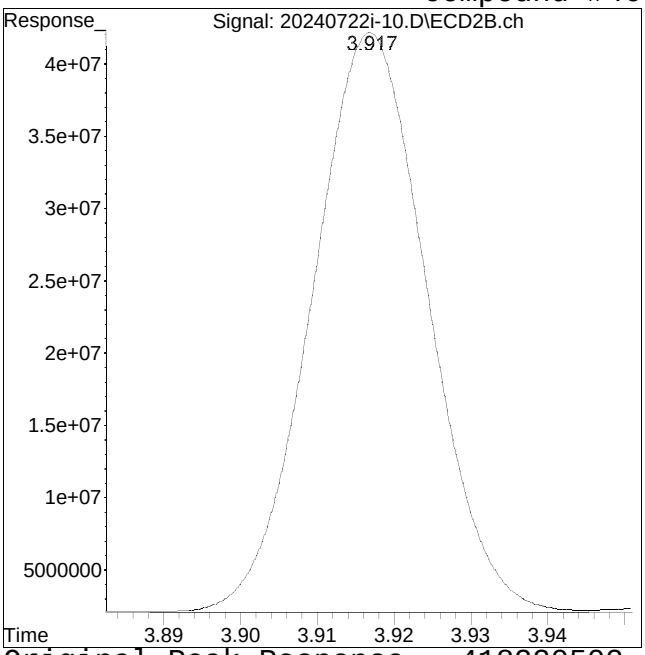
Original Peak Response = 269433834 Manual Peak Response = 269012892 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

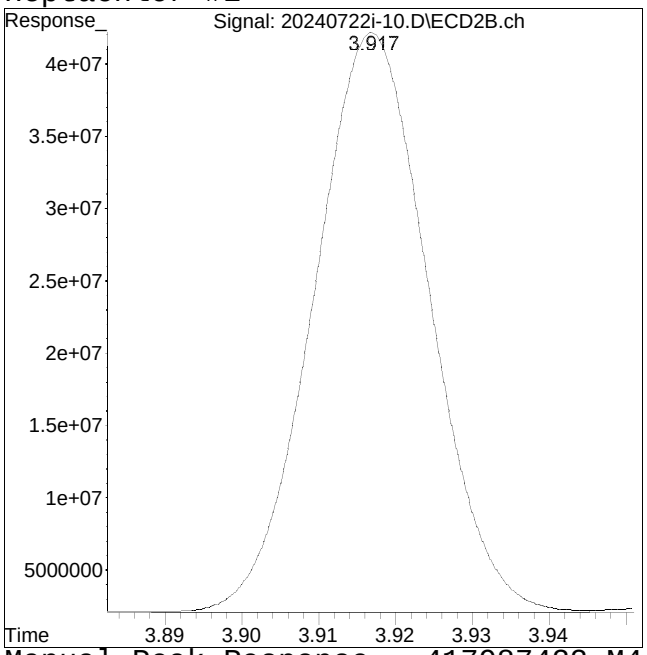
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #46: Heptachlor #2



Original Peak Response = 418220502



Manual Peak Response = 417987422 M4

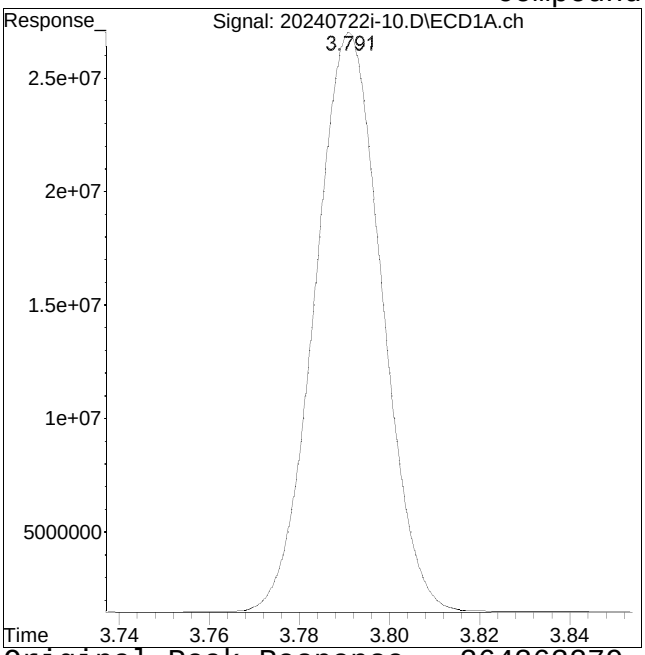
M4 = Poor automated baseline construction.

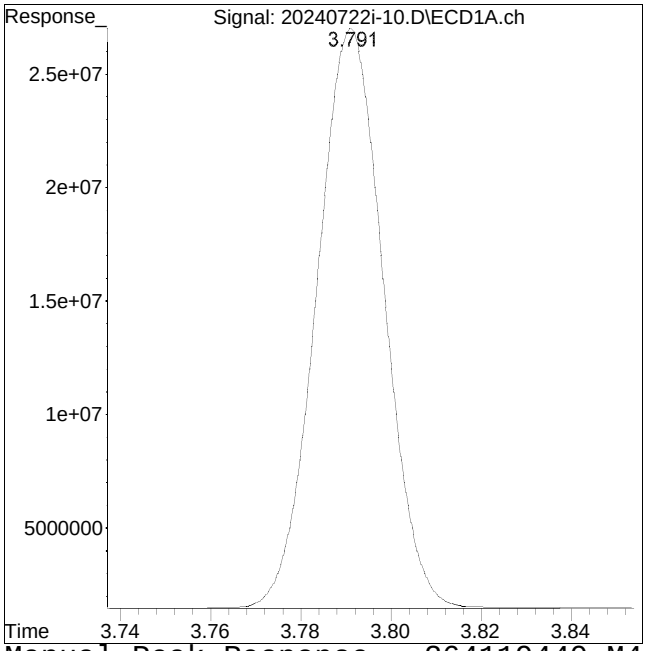
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #9: Aldrin





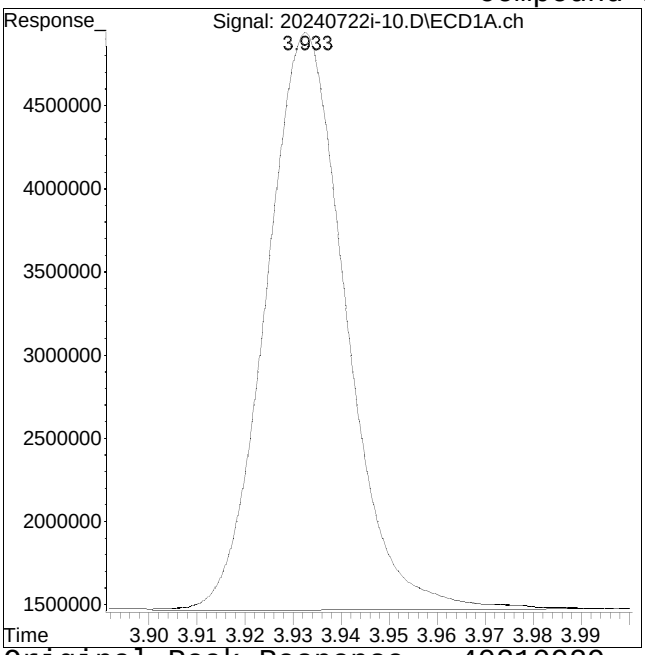
Original Peak Response = 264363279 Manual Peak Response = 264119440 M4
M4 = Poor automated baseline construction.

Manual Integration Report

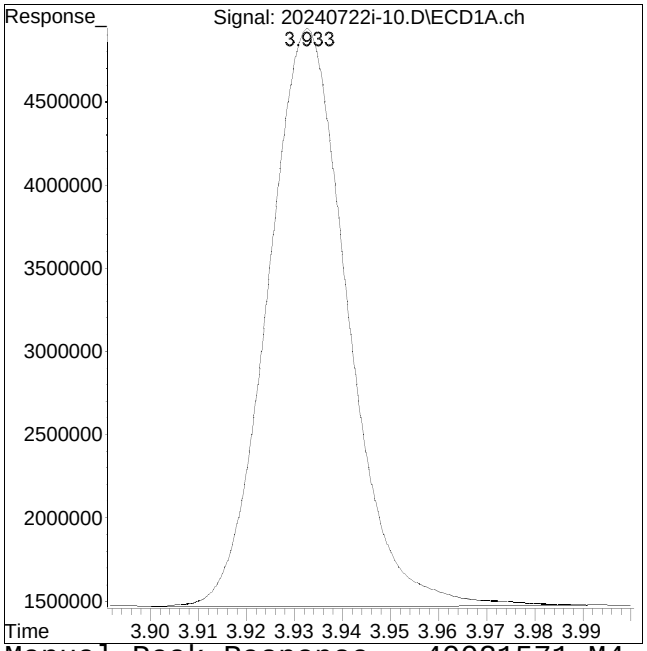
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #10: Alachlor



Original Peak Response = 40210929



Manual Peak Response = 40021571 M4

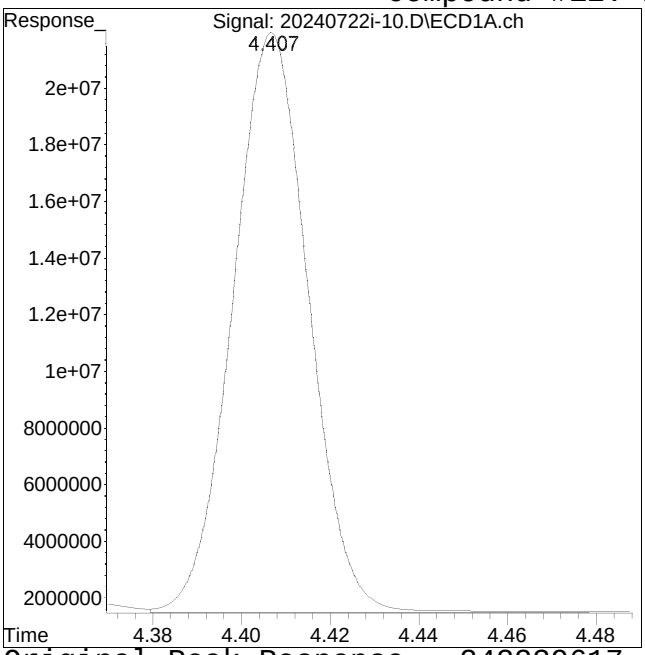
M4 = Poor automated baseline construction.

Manual Integration Report

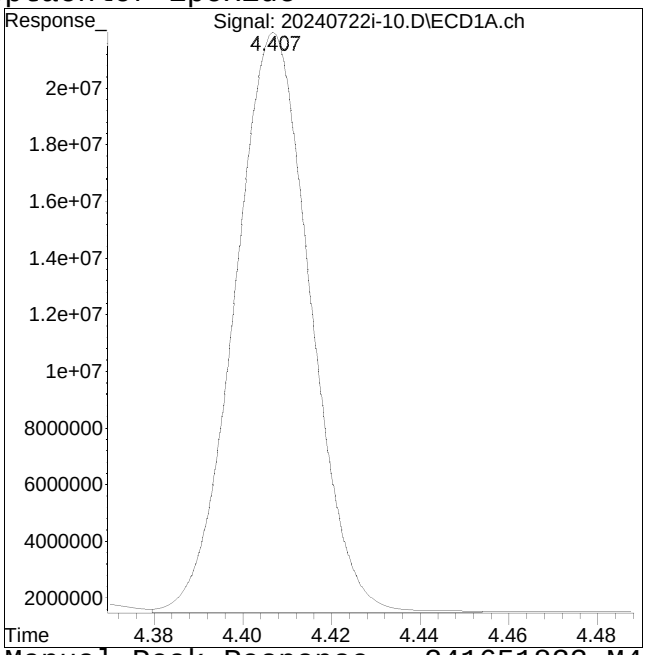
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #12: Heptachlor Epoxide



Original Peak Response = 242239617



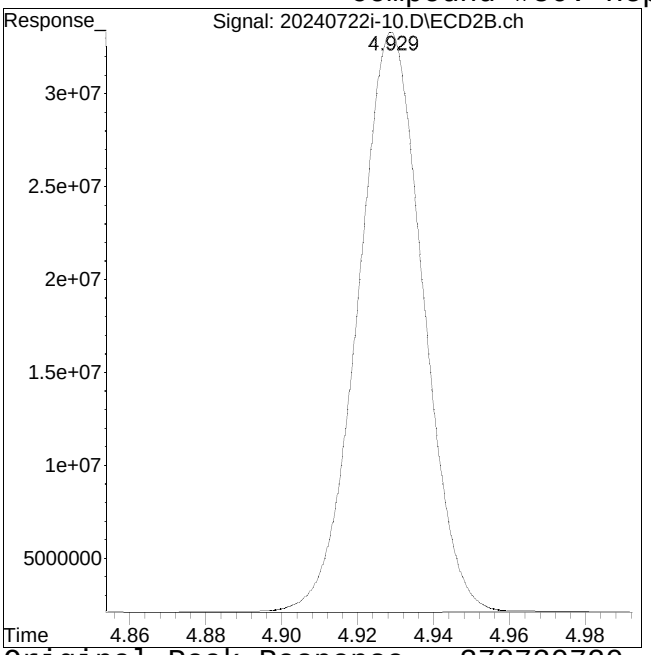
Manual Peak Response = 241651833 M4

M4 = Poor automated baseline construction.

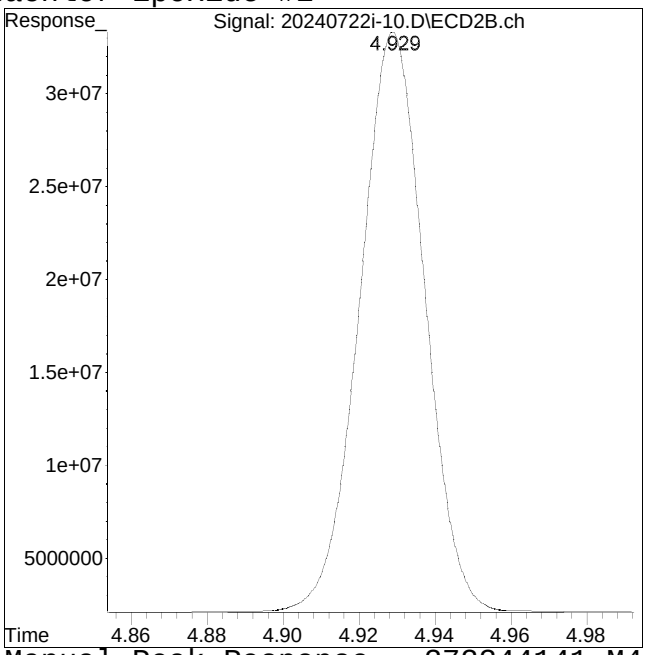
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 372720720



Manual Peak Response = 372344141 M4

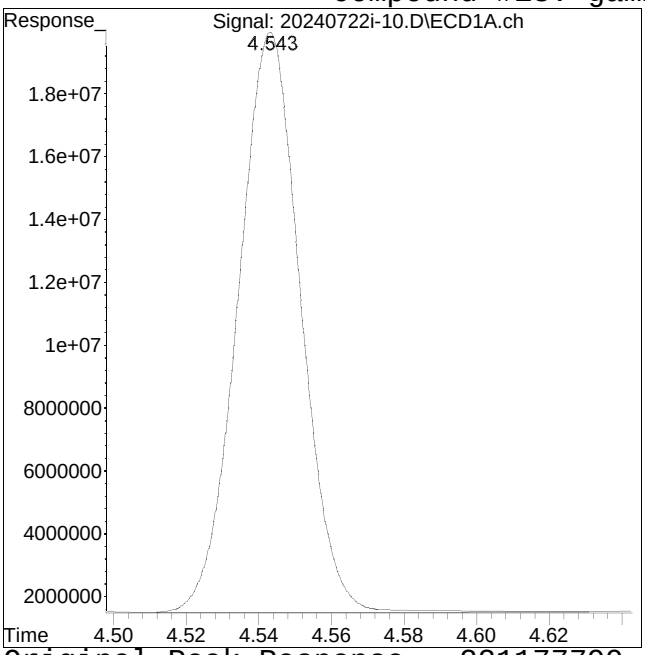
M4 = Poor automated baseline construction.

Manual Integration Report

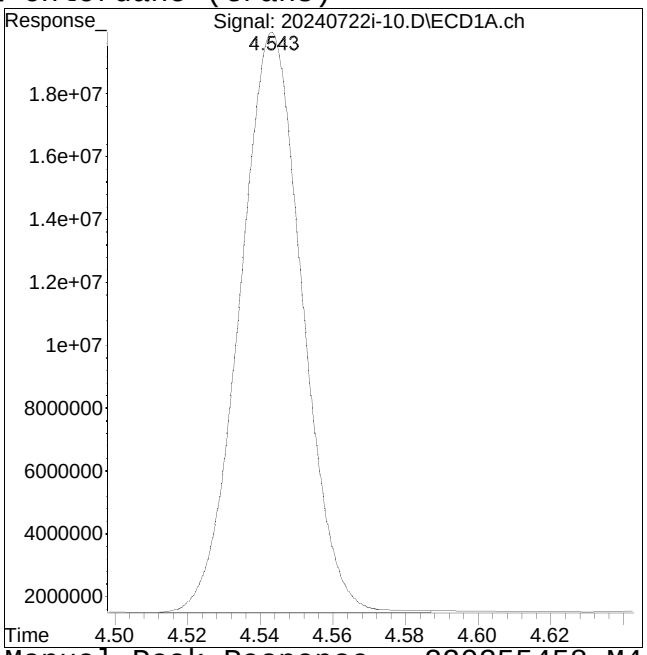
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 221177799



Manual Peak Response = 220355458 M4

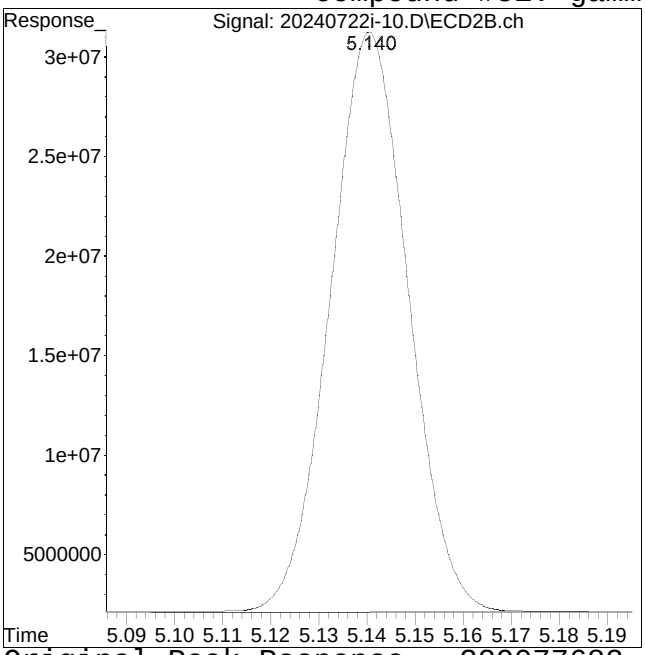
M4 = Poor automated baseline construction.

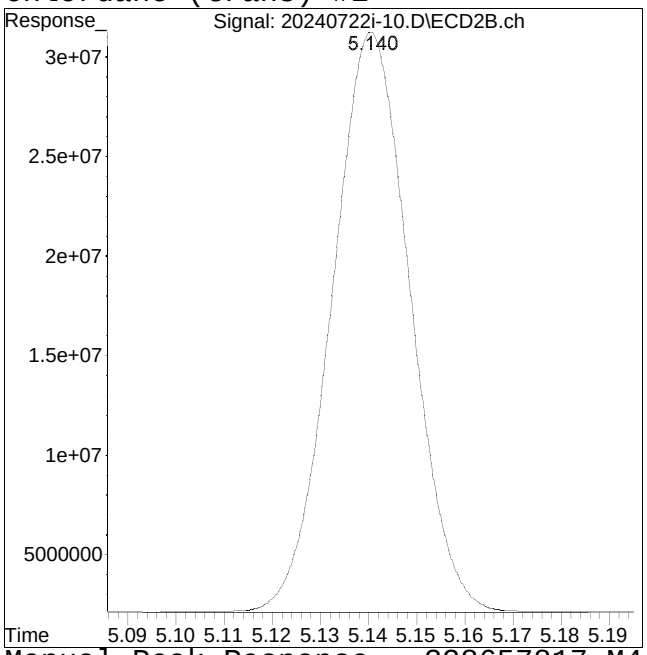
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #51: gamma-Chlordane (trans) #2





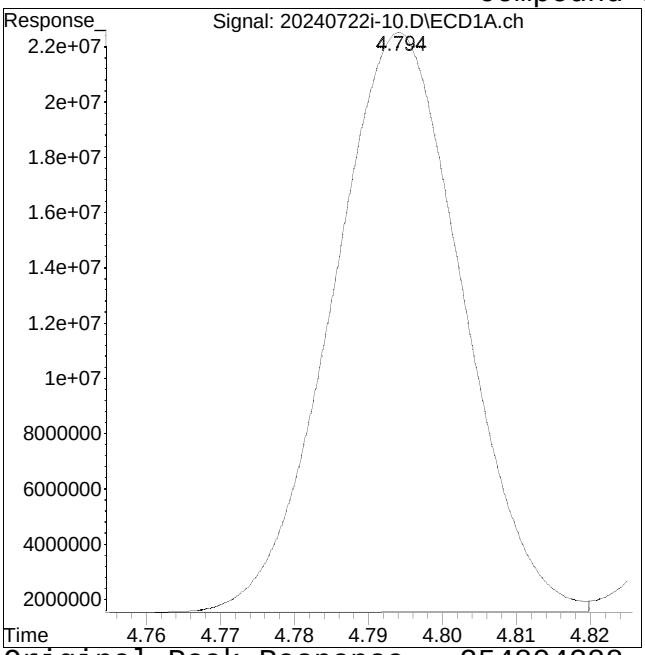
Original Peak Response = 329077682 Manual Peak Response = 328657817 M4
M4 = Poor automated baseline construction.

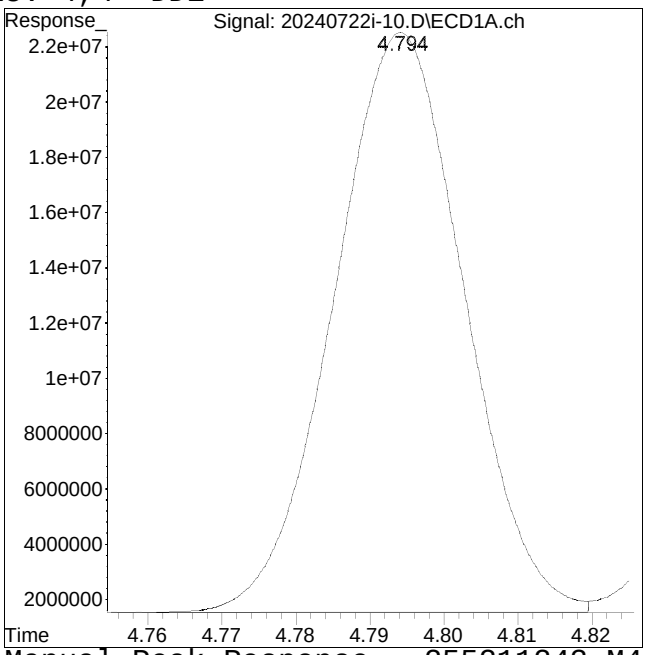
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #15: 4,4'-DDE



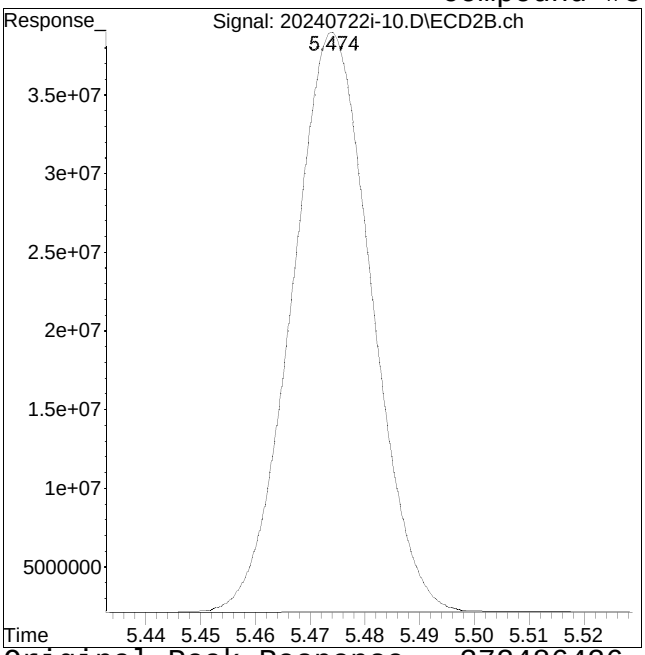


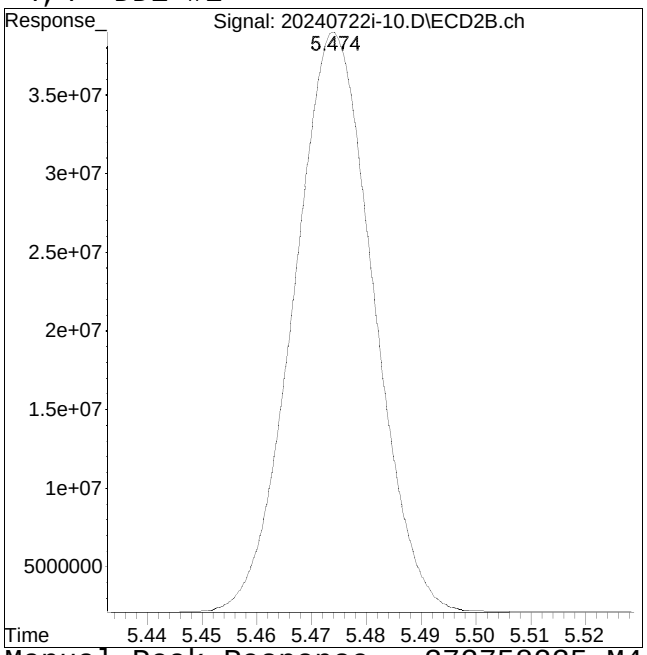
Original Peak Response = 254804388 Manual Peak Response = 255211243 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-10.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:36 Instrument : PEST 20
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/23/2024 12:31 pm

Compound #53: 4,4'-DDE #2





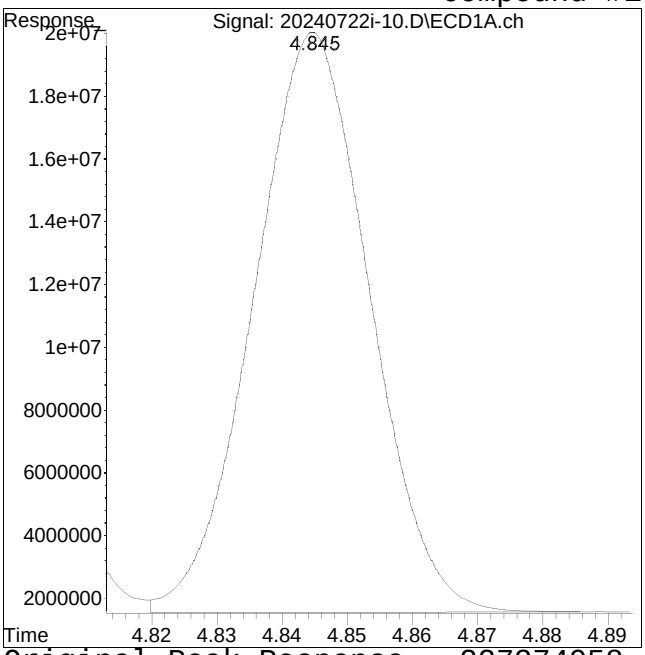
Original Peak Response = 372486426 Manual Peak Response = 372758235 M4
M4 = Poor automated baseline construction.

Manual Integration Report

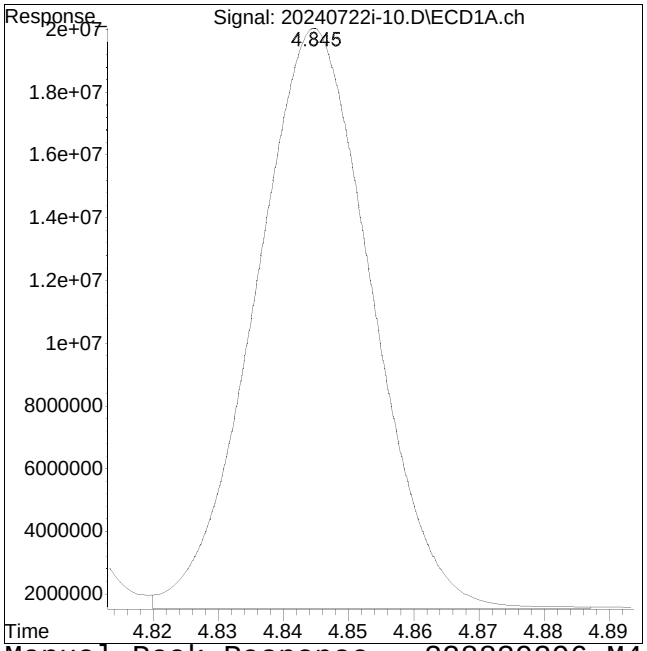
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #16: Endosulfan I



Original Peak Response = 227374958



Manual Peak Response = 228839296 M4

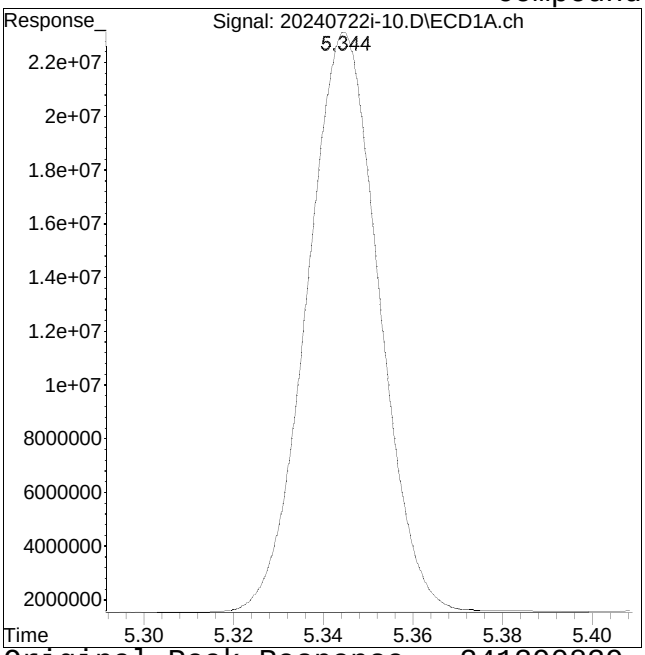
M4 = Poor automated baseline construction.

Manual Integration Report

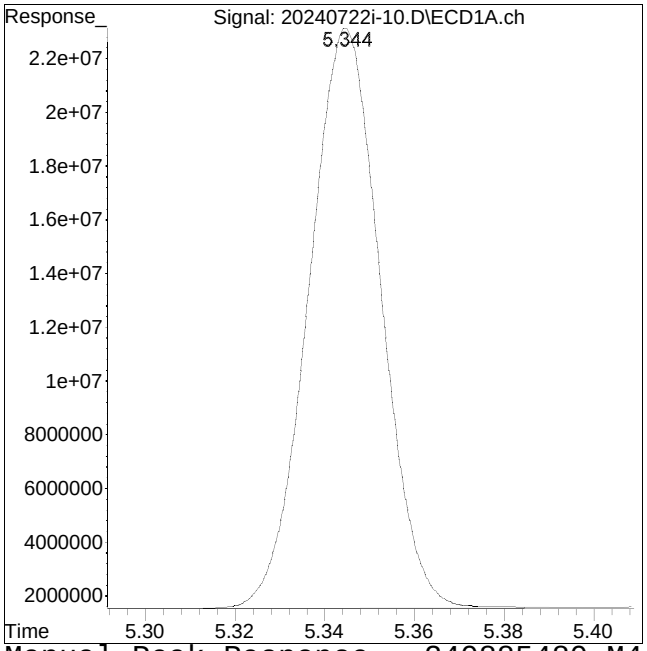
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #18: Endrin



Original Peak Response = 241390839



Manual Peak Response = 240885480 M4

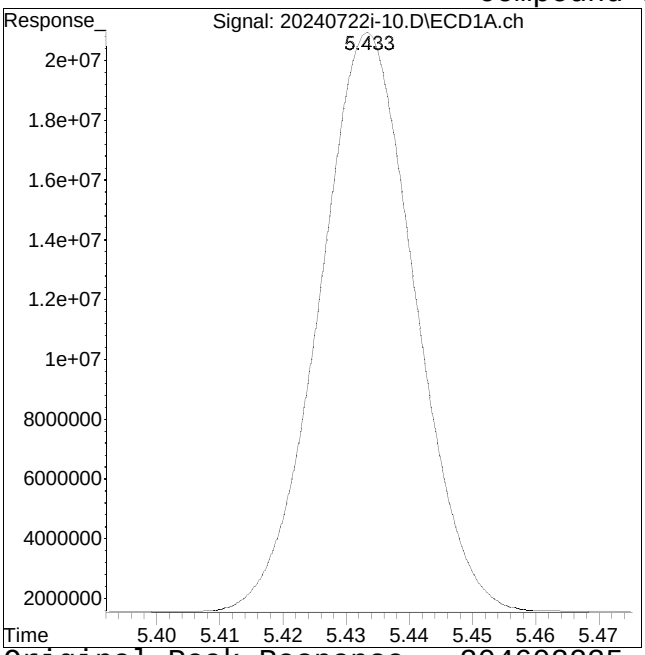
M4 = Poor automated baseline construction.

Manual Integration Report

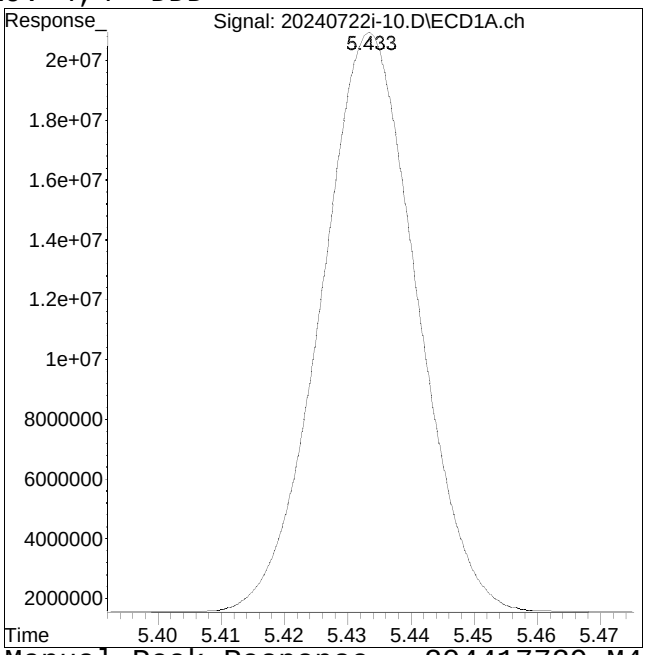
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #19: 4,4'-DDD



Original Peak Response = 204602235



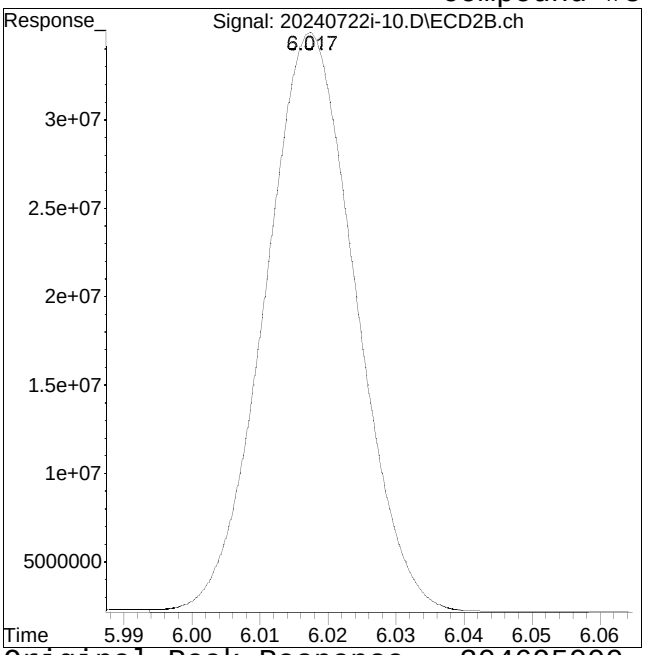
Manual Peak Response = 204417729 M4

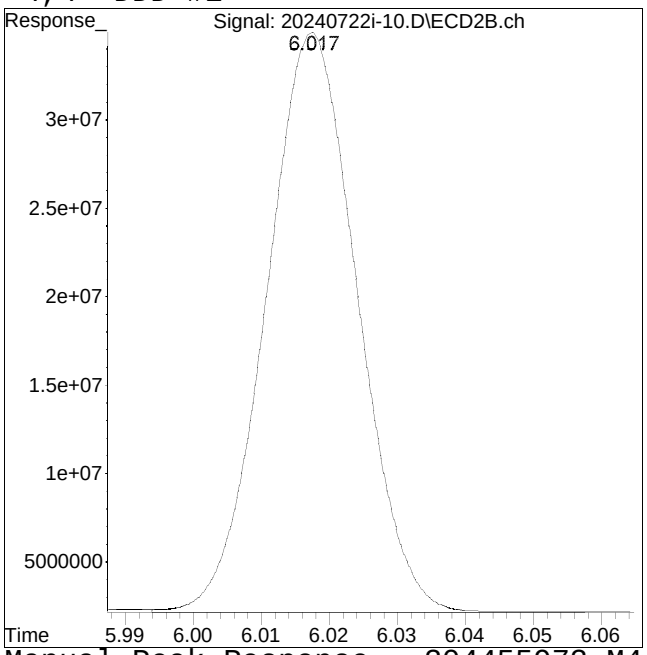
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-10.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:36 Instrument : PEST 20
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/23/2024 12:31 pm

Compound #57: 4,4'-DDD #2



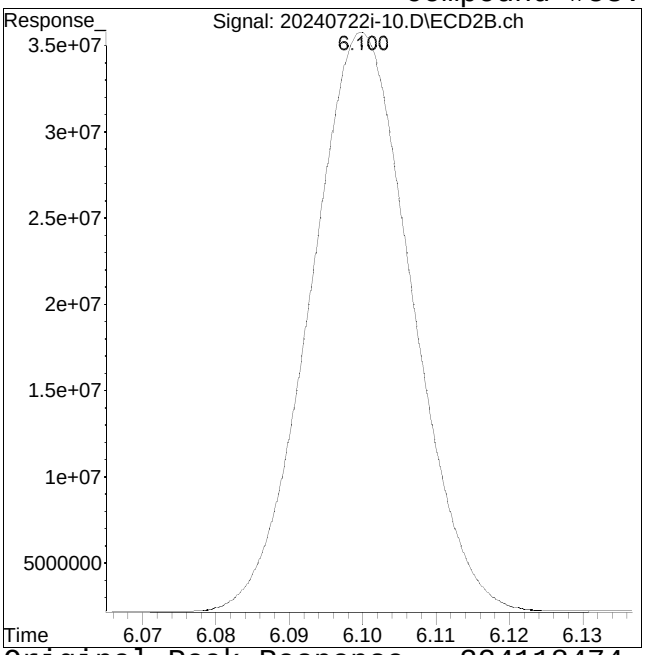


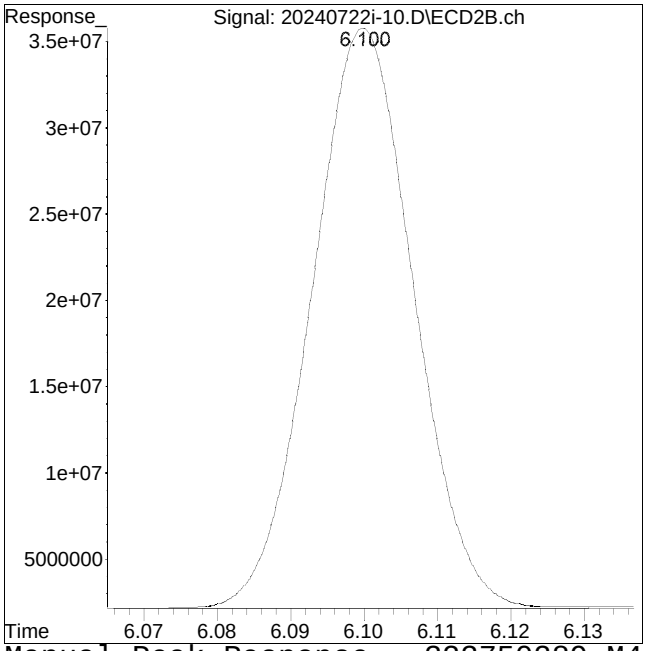
Original Peak Response = 304695900 Manual Peak Response = 304455973 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-10.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:36 Instrument : PEST 20
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/23/2024 12:31 pm

Compound #58: Endosulfan II #2



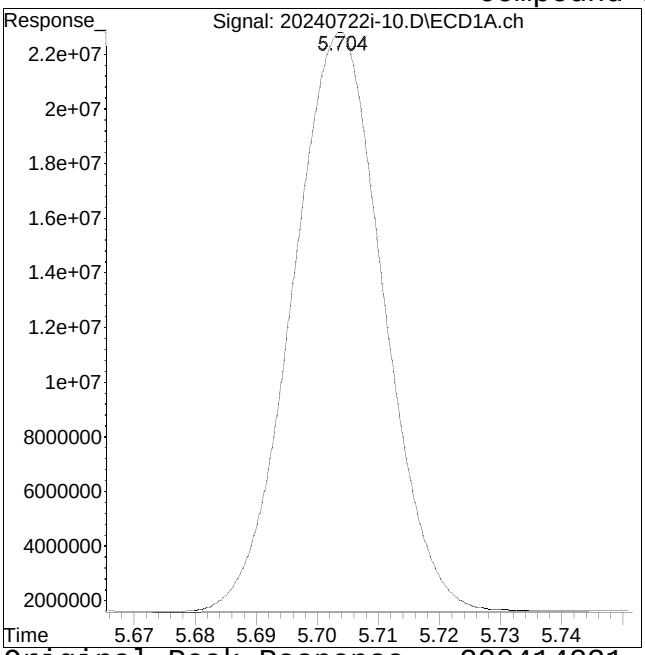


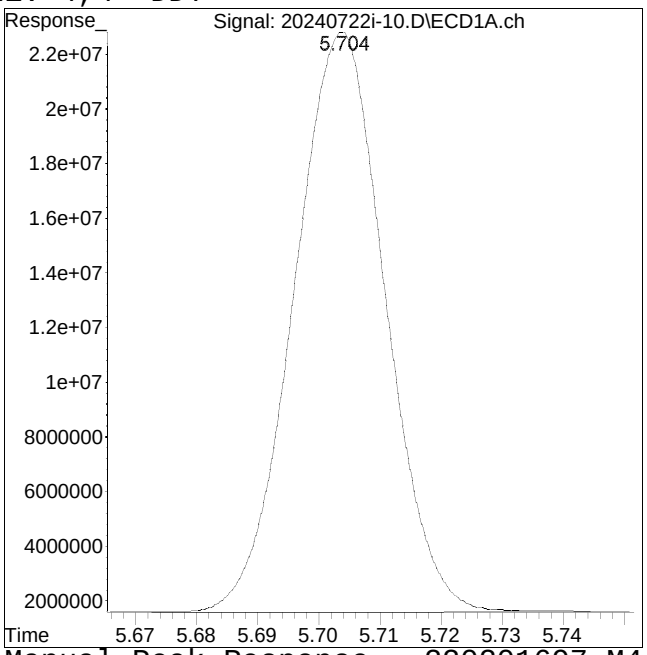
Original Peak Response = 324118474 Manual Peak Response = 323750289 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-10.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:36 Instrument : PEST 20
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/23/2024 12:31 pm

Compound #21: 4,4'-DDT





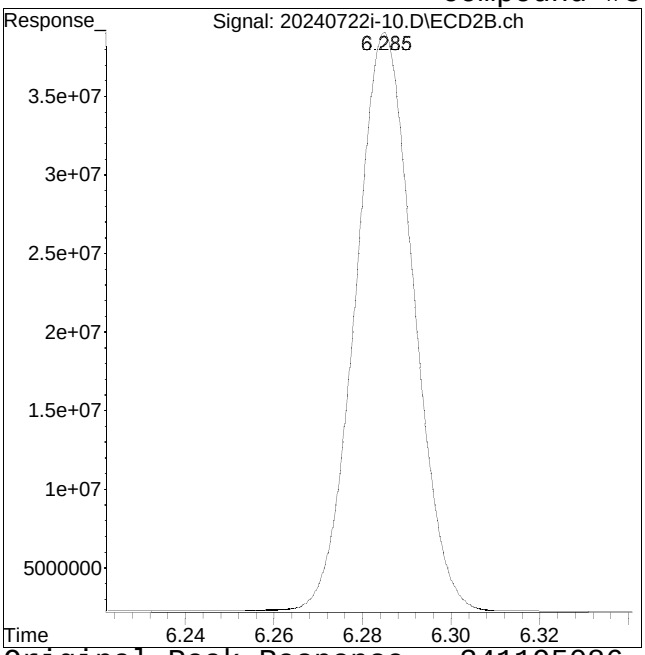
Original Peak Response = 220414231 Manual Peak Response = 220201697 M4
M4 = Poor automated baseline construction.

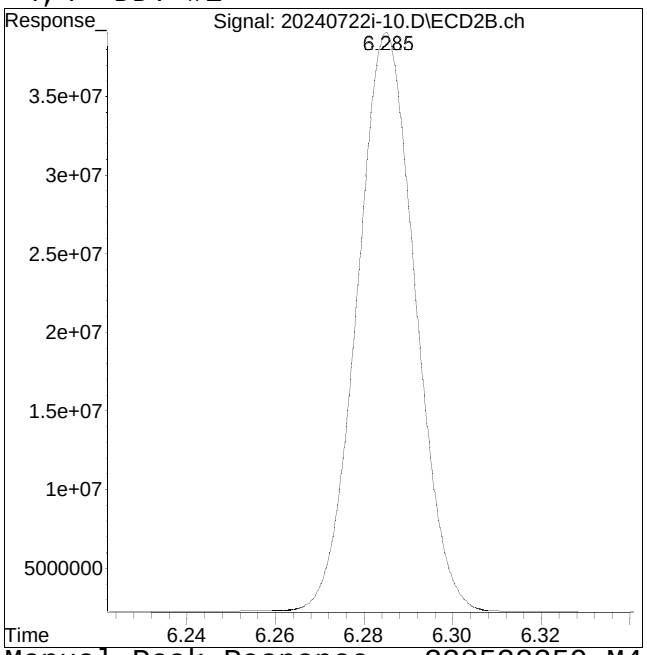
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #59: 4,4'-DDT #2





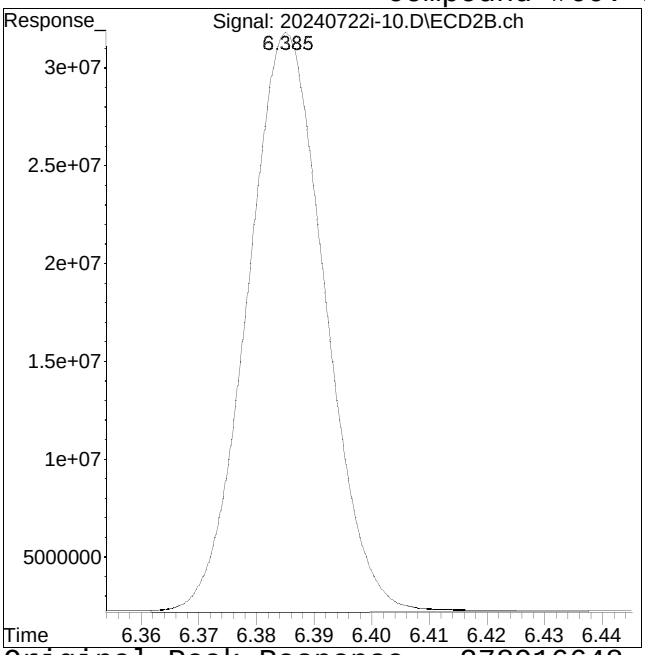
Original Peak Response = 341195086 Manual Peak Response = 338533359 M4
M4 = Poor automated baseline construction.

Manual Integration Report

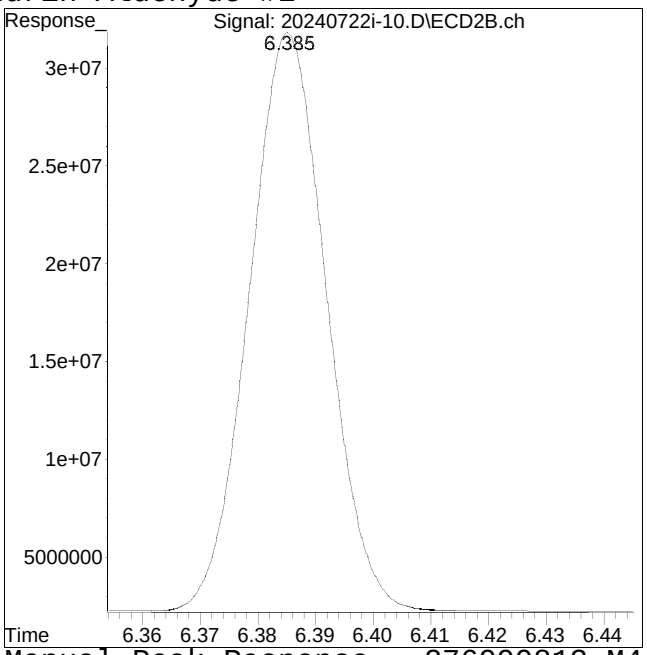
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 278916648



Manual Peak Response = 276999813 M4

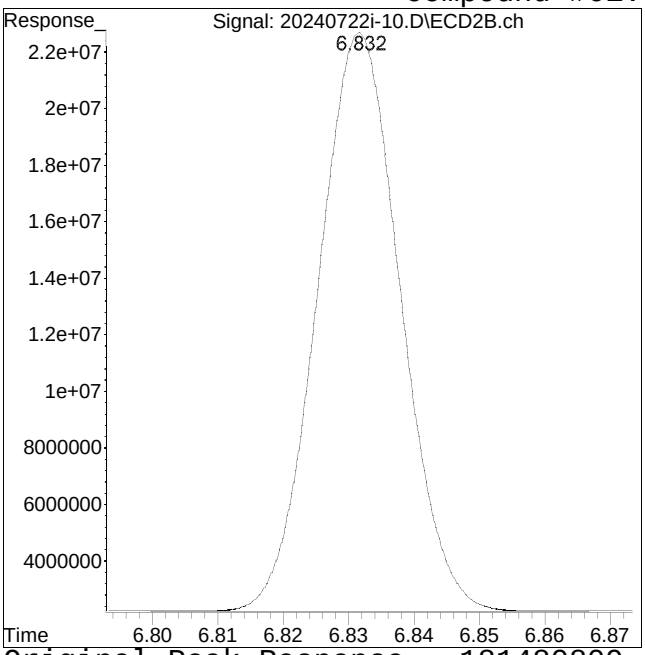
M4 = Poor automated baseline construction.

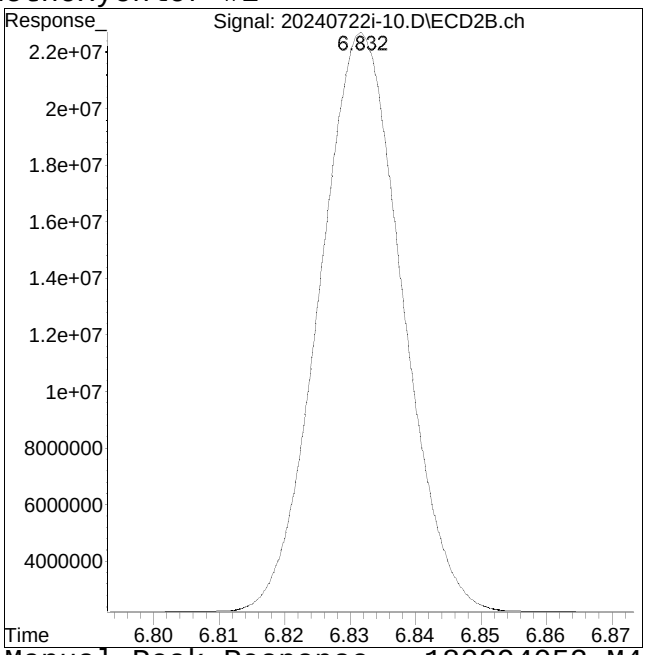
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #61: Methoxychlor #2





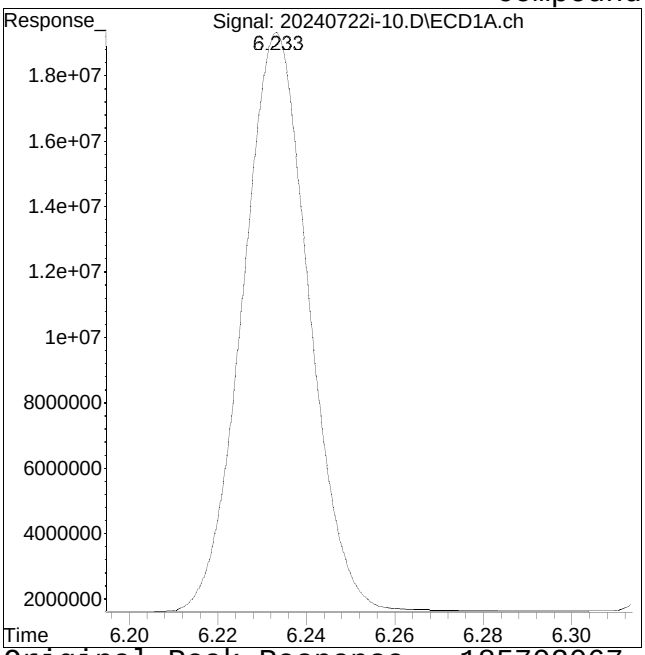
Original Peak Response = 181480809 Manual Peak Response = 180394052 M4
M4 = Poor automated baseline construction.

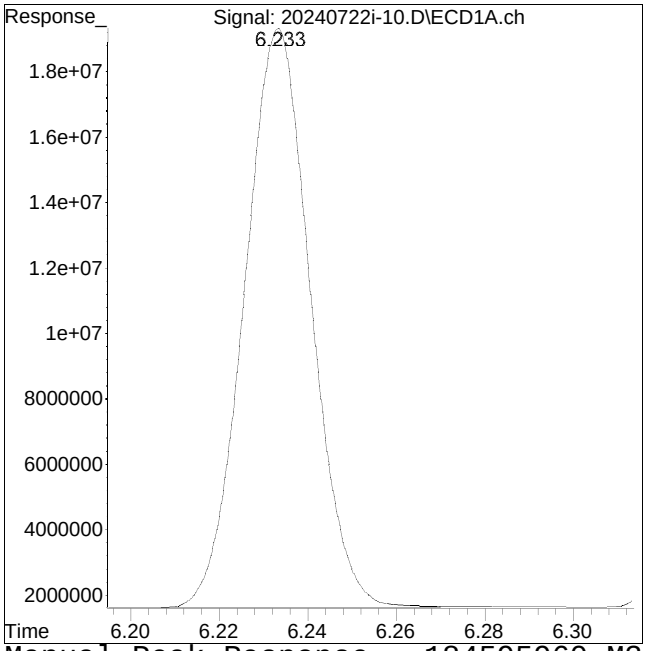
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #24: Mirex





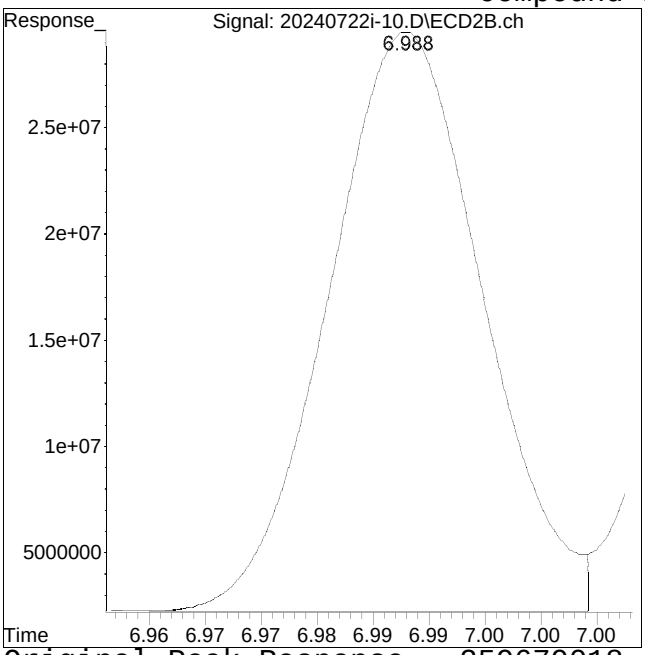
Original Peak Response = 185702067 Manual Peak Response = 184595960 M3

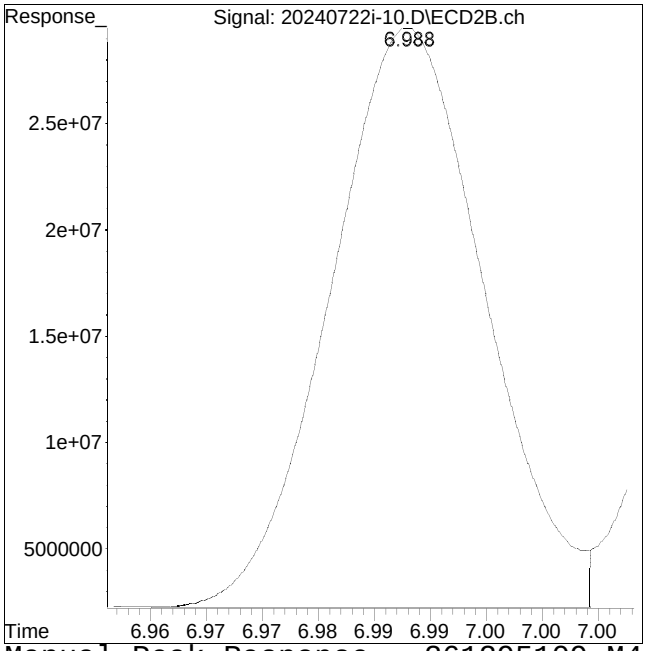
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-10.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:36 Instrument : PEST 20
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 7/23/2024 12:31 pm

Compound #62: Mirex #2



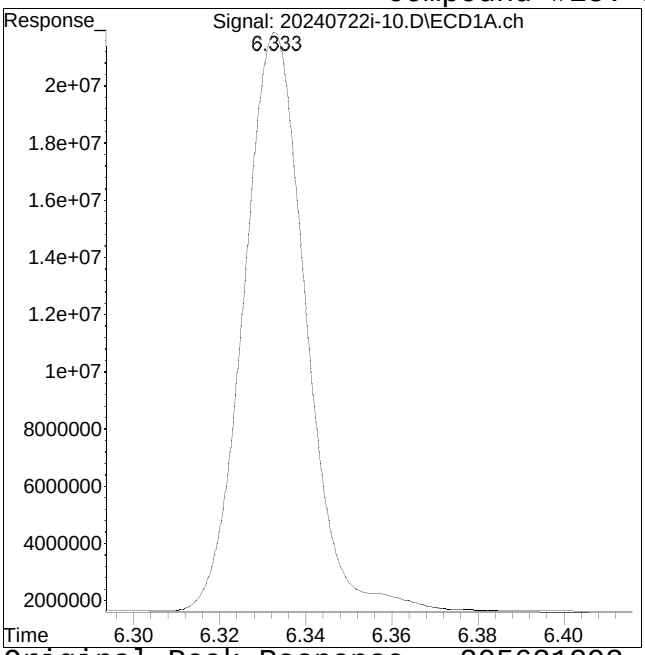


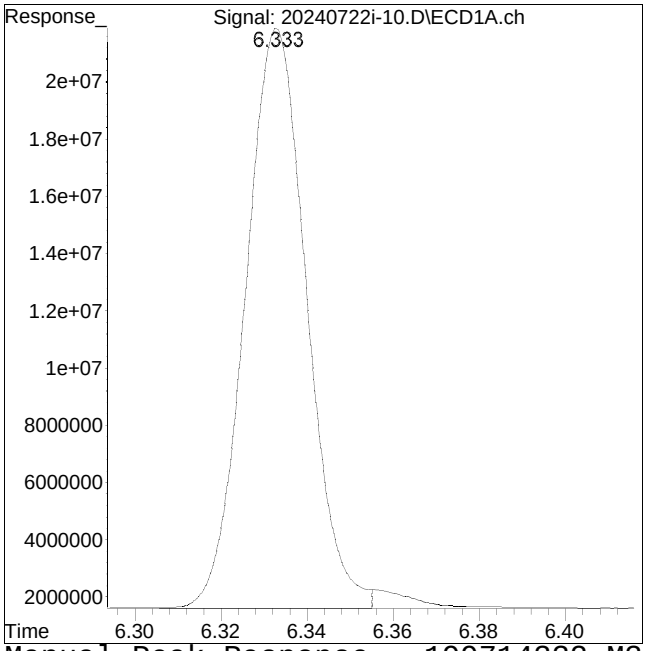
Original Peak Response = 259679018 Manual Peak Response = 261295109 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #25: Endosulfan Sulfate





Original Peak Response = 205621293 Manual Peak Response = 199714332 M3

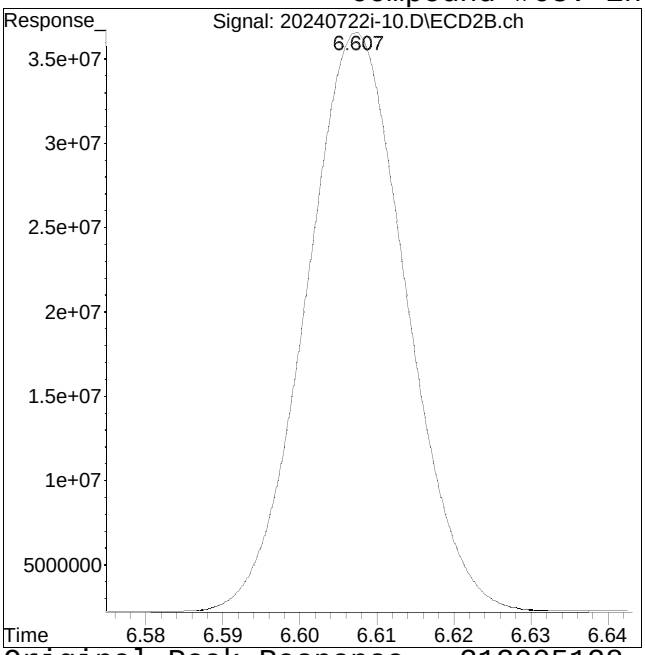
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

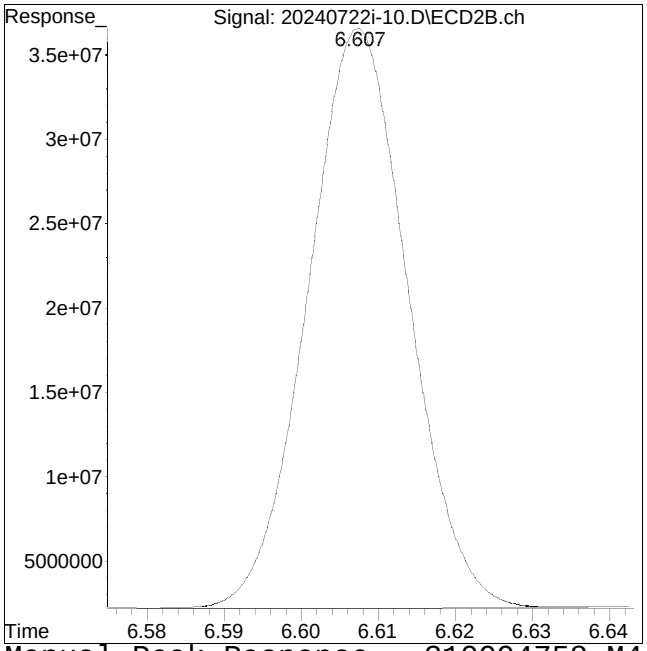
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #63: Endosulfan Sulfate #2





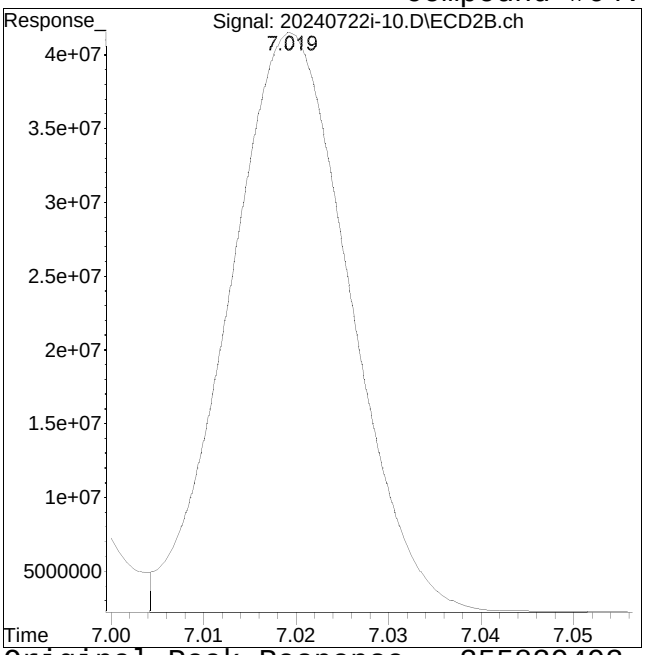
Original Peak Response = 312005128 Manual Peak Response = 310994758 M4
M4 = Poor automated baseline construction.

Manual Integration Report

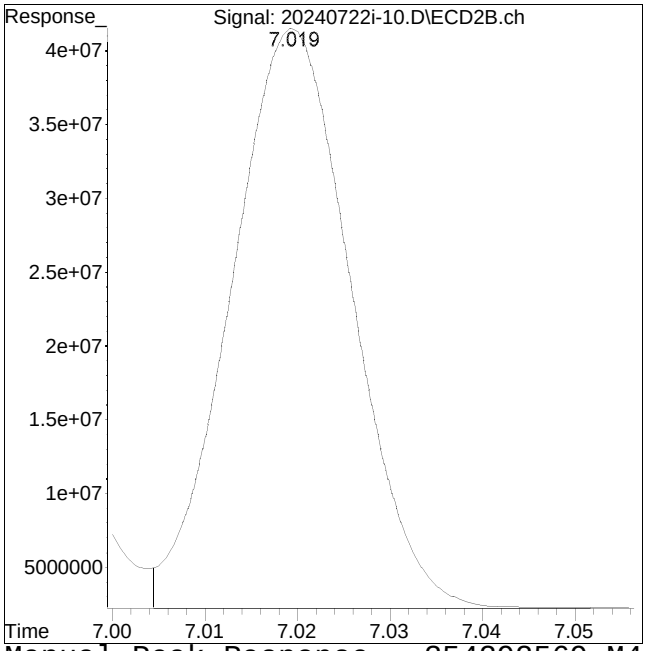
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 355839493



Manual Peak Response = 354292569 M4

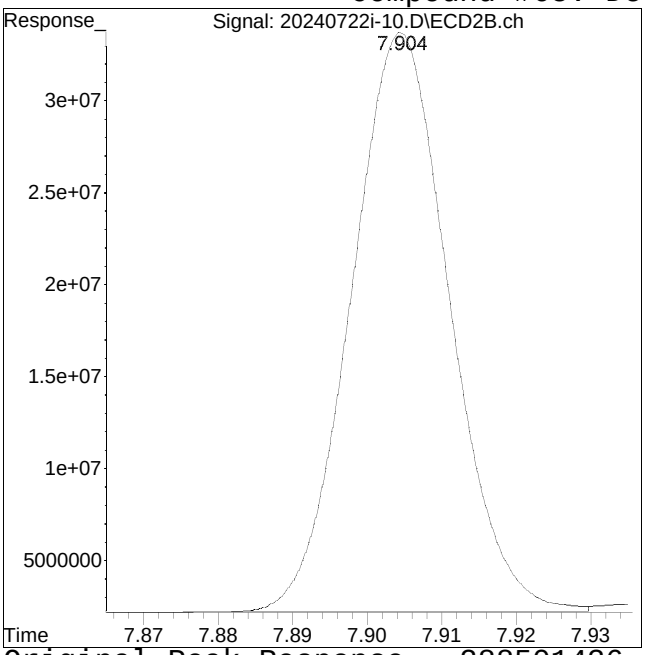
M4 = Poor automated baseline construction.

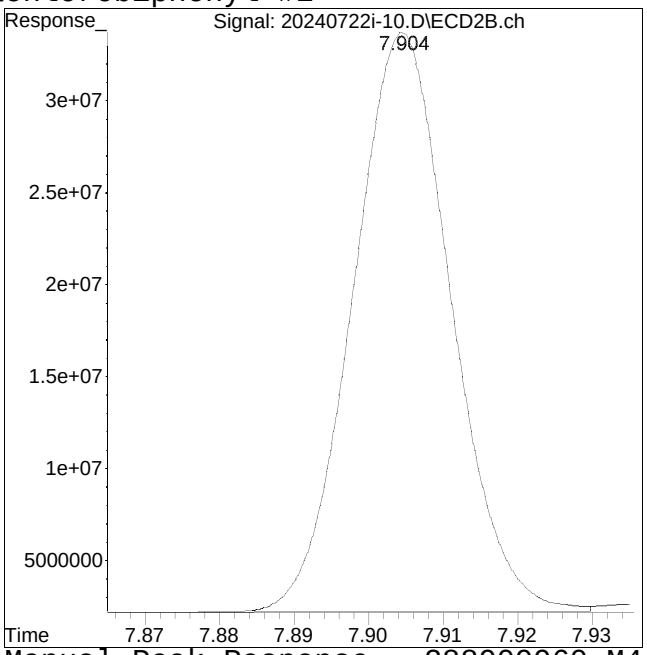
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-10.D
Date Inj'd : 7/22/2024 19:36
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:31 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 288501436 Manual Peak Response = 288909960 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:48
Operator : pest20:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:50:01 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:40:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	2.008	2.064	49661545	78133057	25.000	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.474	2.664	431.4E6	683.7E6	189.662M4	193.962M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	379.32%#	387.92%#
27) s	Decachlorobi	7.336	7.903	408.4E6	536.7E6	186.754	189.318
	Spiked Amount	50.000	Range 30 - 150		Recovery =	373.51%#	378.64%#
	Target Compounds						
3)	Hexachlorobe	2.742	3.041	444.4E6	692.4E6	188.971	192.858
4)	alpha-BHC	2.864	3.153	596.1E6	962.3E6	196.799	201.225
5)	gamma-BHC (l	3.109	3.477	538.3E6	871.7E6	196.339	200.897M4
6)	beta-BHC	3.176	3.551	241.8E6	386.0E6	188.690	193.046M3
7)	delta-BHC	3.326	3.848	548.3E6	892.8E6	198.664	203.525M4
8)	Heptachlor	3.514	3.918	512.4E6	799.9E6	194.928	198.646M4
9)	Aldrin	3.793	4.268	507.9E6	766.6E6	198.023	202.142
10)	Alachlor	3.935	4.141	71996203	99751040	177.477	181.729
11)	Chlorpyrifos	4.035	4.524	218.1E6	352.9E6	181.240	185.224M4
12)	Heptachlor E	4.409	4.930	460.8E6	717.1E6	194.677M3	198.972
13)	gamma-Chlord	4.545	5.141	424.0E6	637.3E6	196.904M4	200.958M4
14)	alpha-Chlord	4.695	5.297	475.8E6	705.9E6	195.783	199.741

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:48
Operator : pest20:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:50:01 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:40:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15)	4,4'-DDE	4.796	5.474	493.2E6	726.0E6	199.032	203.083M4
16)	Endosulfan I	4.847	5.354	438.0E6	662.4E6	195.548M3	200.015M4
17)	Dieldrin	5.110	5.628	465.5E6	700.0E6	198.819	203.245
18)	Endrin	5.346	5.911	464.6E6	711.7E6	197.762M4	202.627M3
19)	4,4'-DDD	5.434	6.018	394.3E6	591.9E6	198.099M4	202.575M4
20)	Endosulfan I	5.566	6.100	404.7E6	624.5E6	195.586M4	199.676M4
21)	4,4'-DDT	5.705	6.285	422.1E6	652.0E6	196.082M4	199.745M4
22)	Endrin Aldeh	5.959	6.385	348.7E6	533.2E6	195.186M4	199.753M4
23)	Methoxychlor	6.155	6.832	224.1E6	336.0E6	185.408	189.692M4
24)	Mirex	6.234	6.987	343.8E6	484.9E6	187.290M3	188.620M3
25)	Endosulfan S	6.334	6.608	377.9E6	595.4E6	192.977M3	197.486M3
26)	Endrin Keton	6.556	7.019	434.3E6	676.2E6	192.902M4	196.858M4
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:48
Operator : pest20:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:50:01 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:40:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

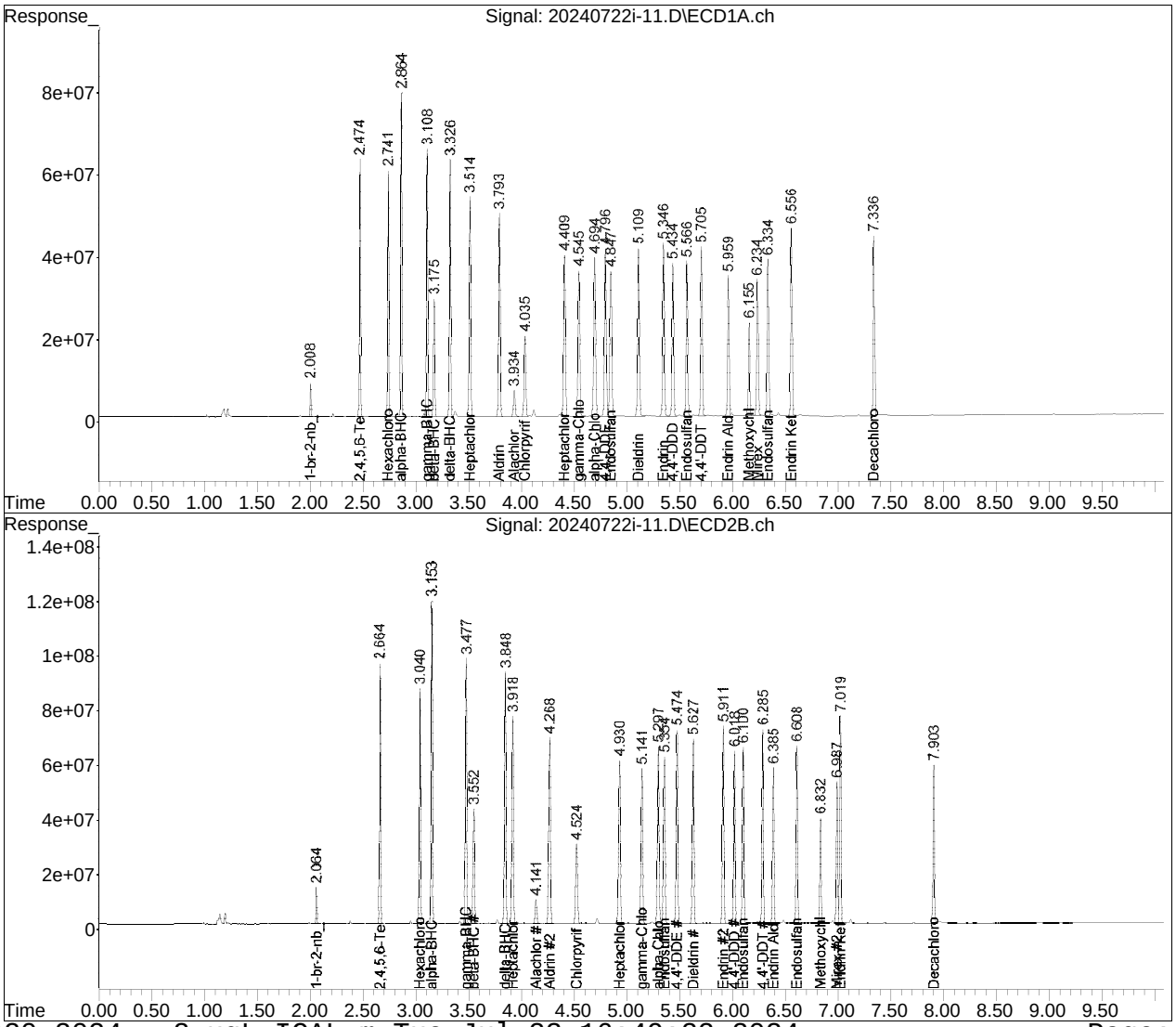
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 19:48
Operator : pest20:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:50:01 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:40:20 2024
Response via : Initial Calibration
Integrator: ChemStation

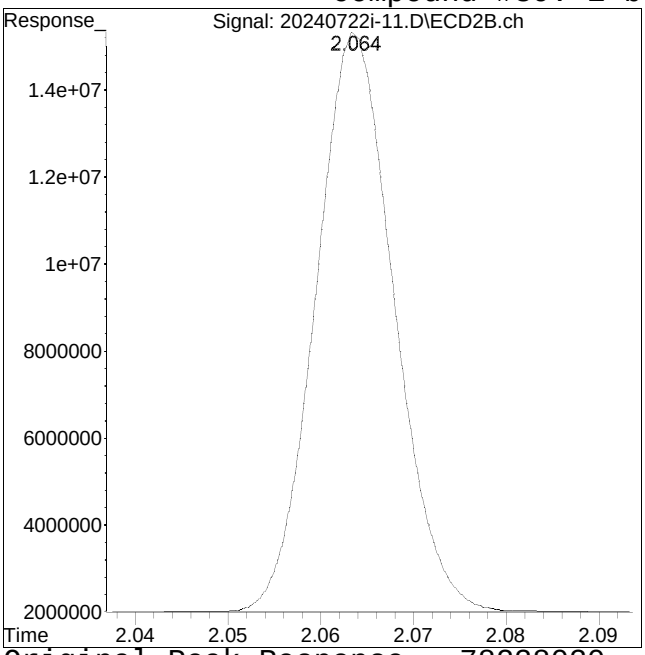
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



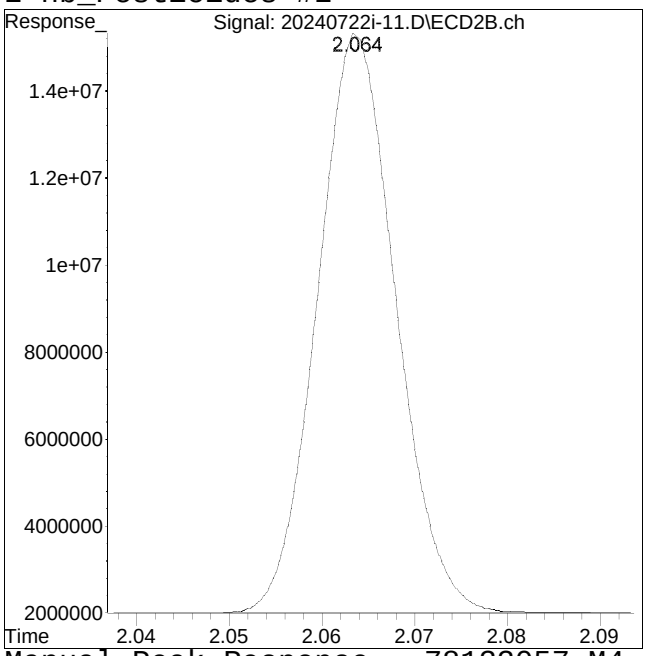
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 78238030



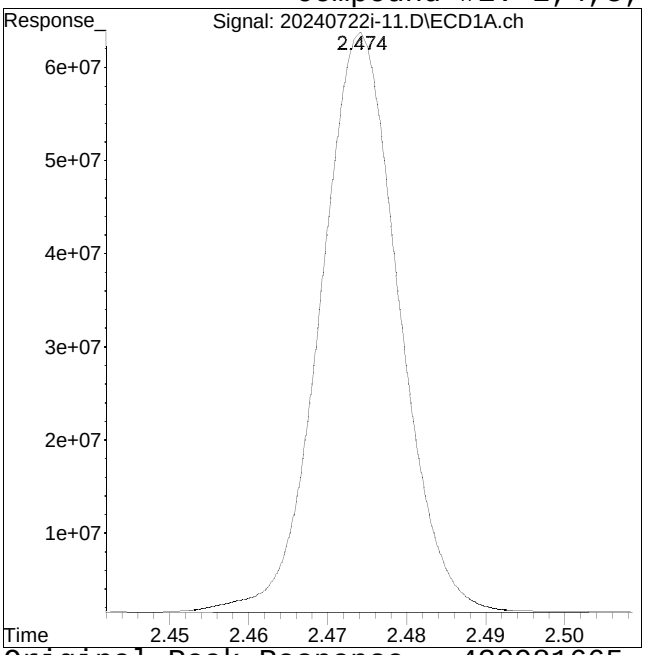
Manual Peak Response = 78133057 M4

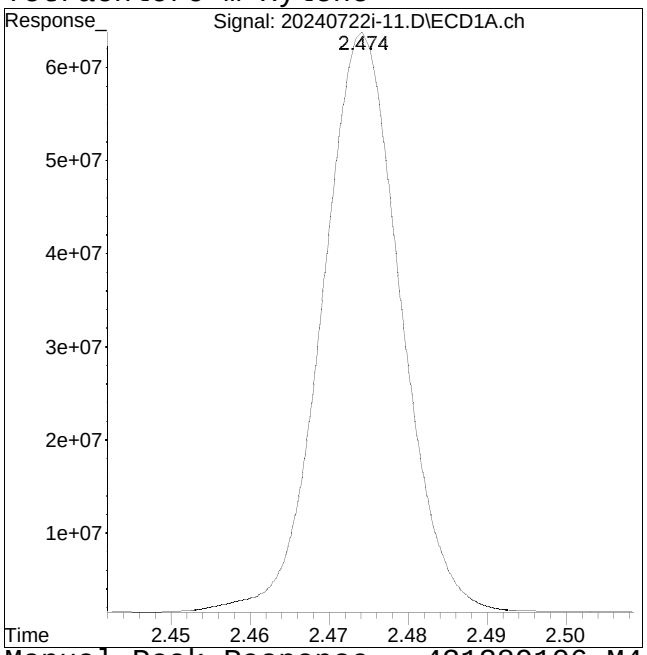
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



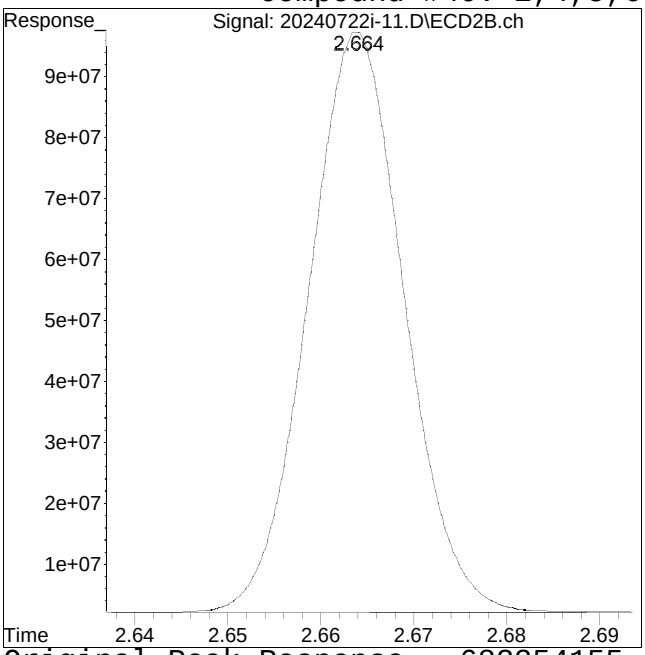


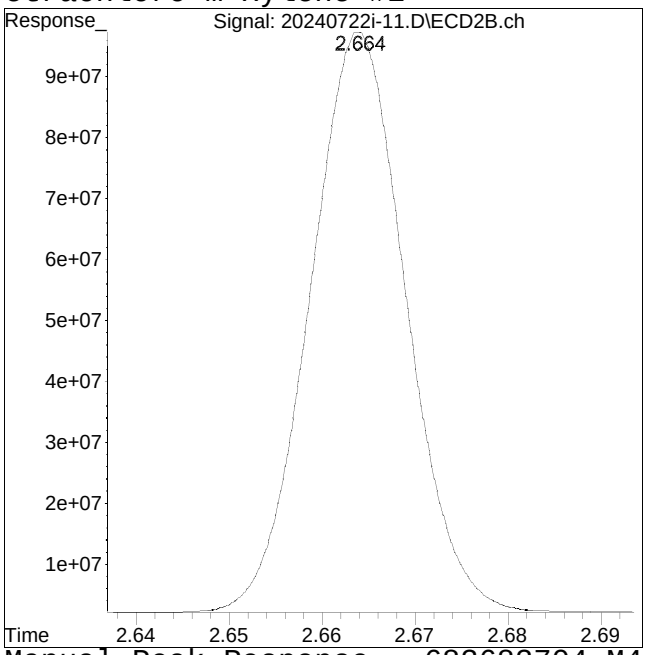
Original Peak Response = 430981665 Manual Peak Response = 431389106 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



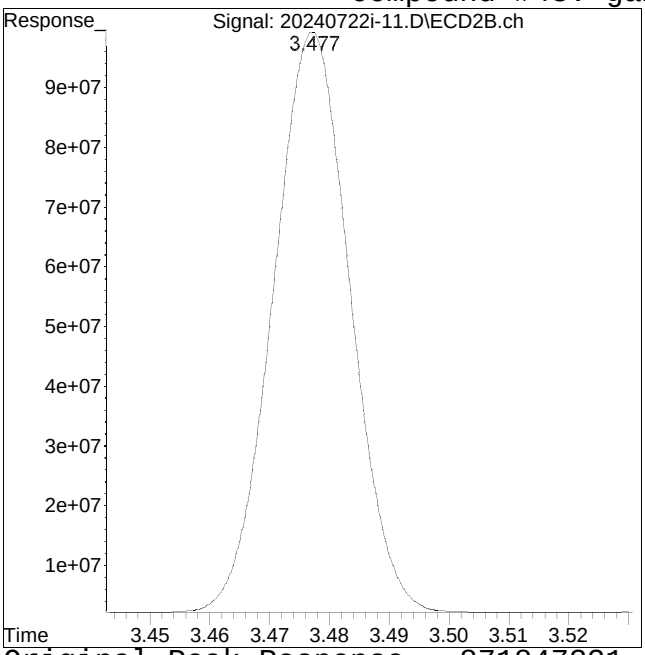


Original Peak Response = 683354155 Manual Peak Response = 683683704 M4
M4 = Poor automated baseline construction.

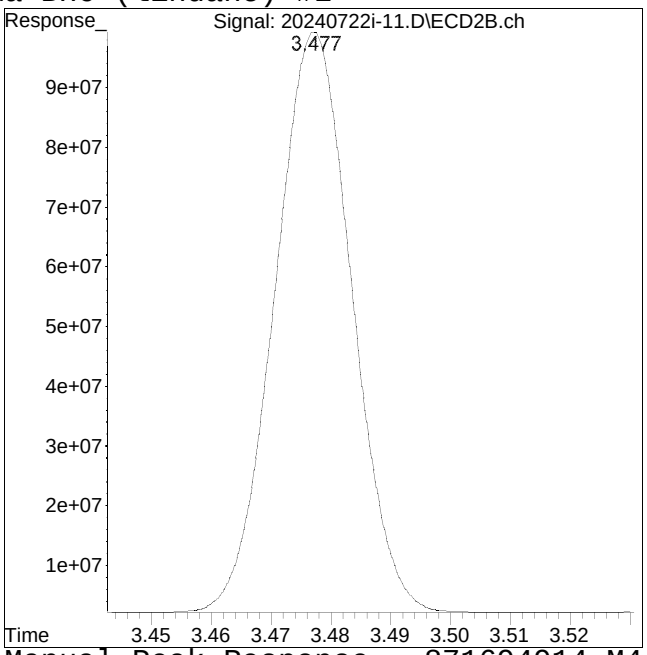
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 871847331



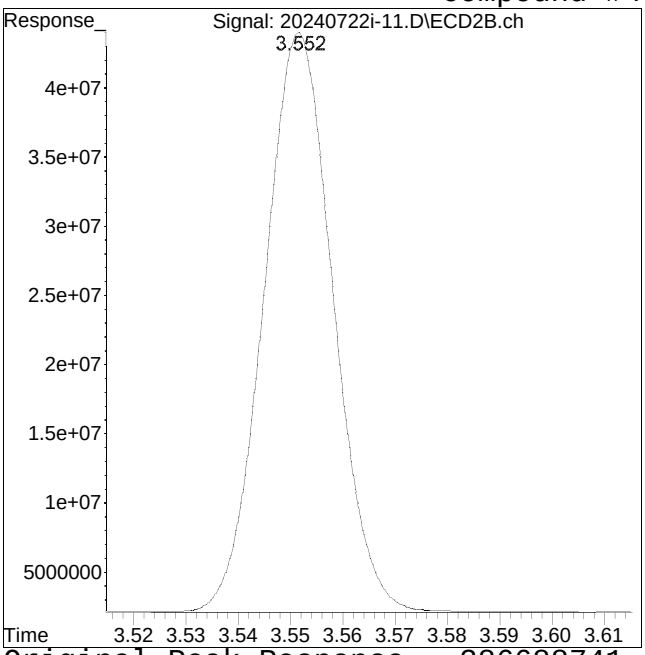
Manual Peak Response = 871694914 M4

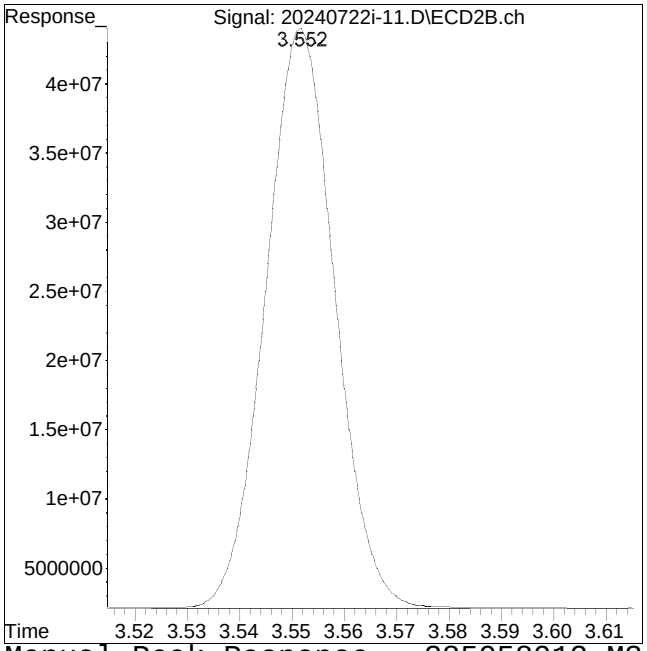
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #44: beta-BHC #2



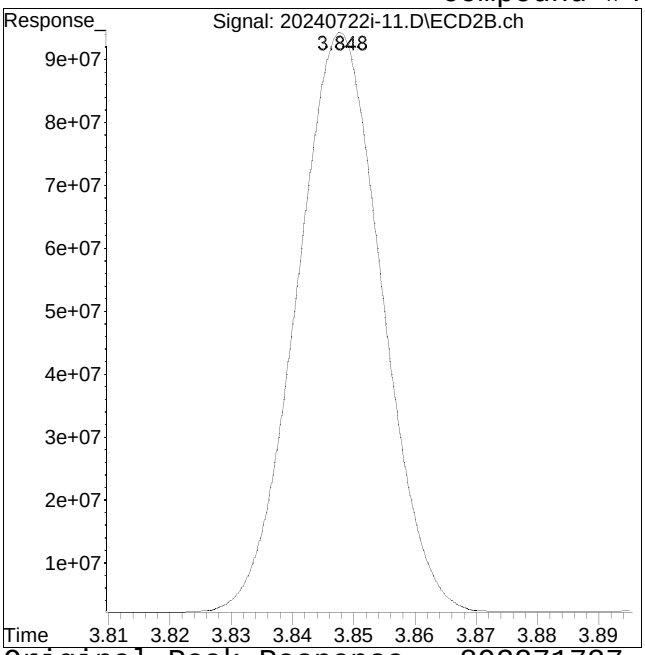


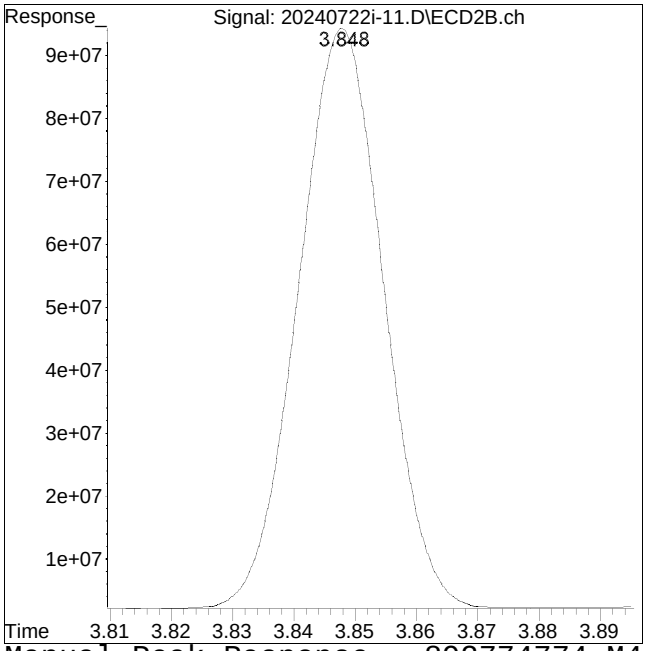
Original Peak Response = 386688741 Manual Peak Response = 385958912 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #45: delta-BHC #2



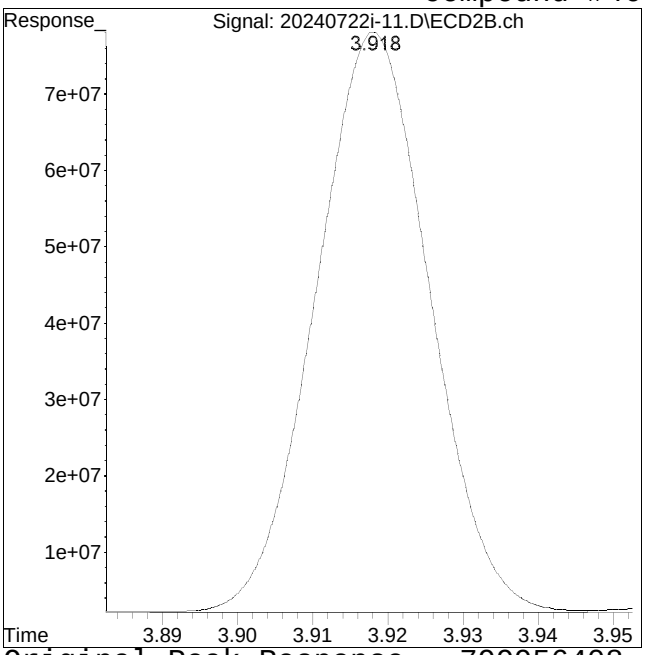


Original Peak Response = 893271737 Manual Peak Response = 892774774 M4
M4 = Poor automated baseline construction.

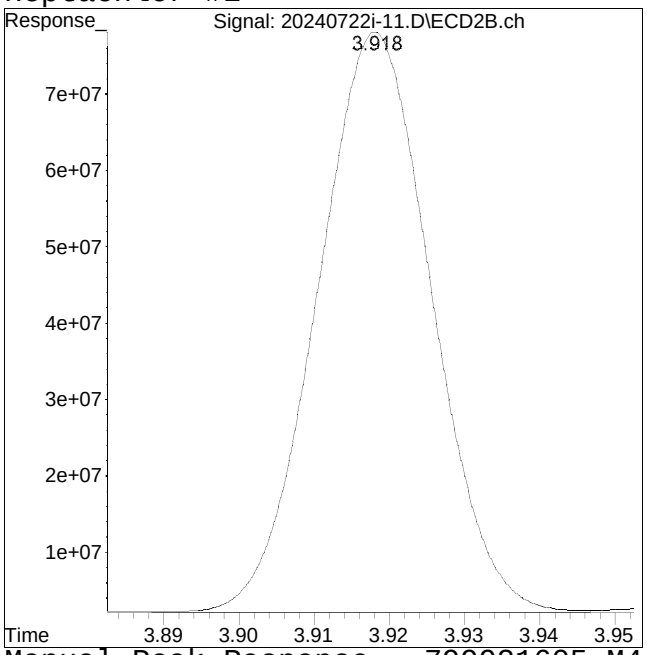
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #46: Heptachlor #2



Original Peak Response = 799956408



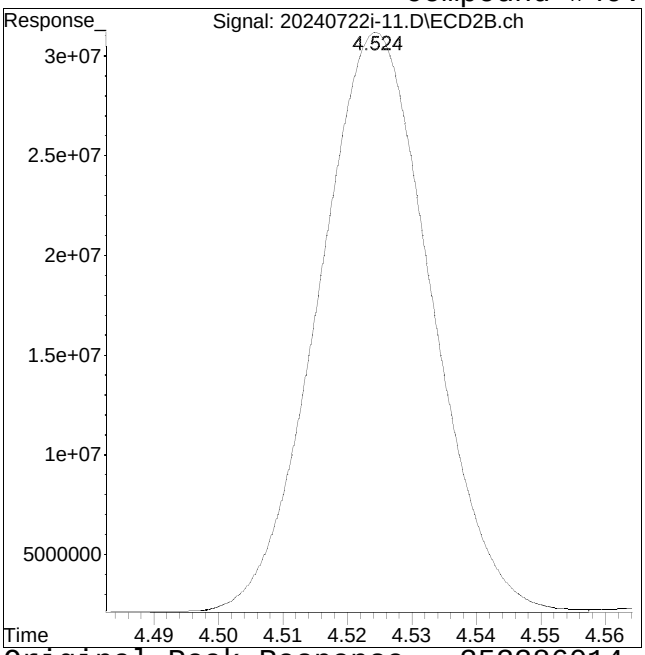
Manual Peak Response = 799921605 M4

M4 = Poor automated baseline construction.

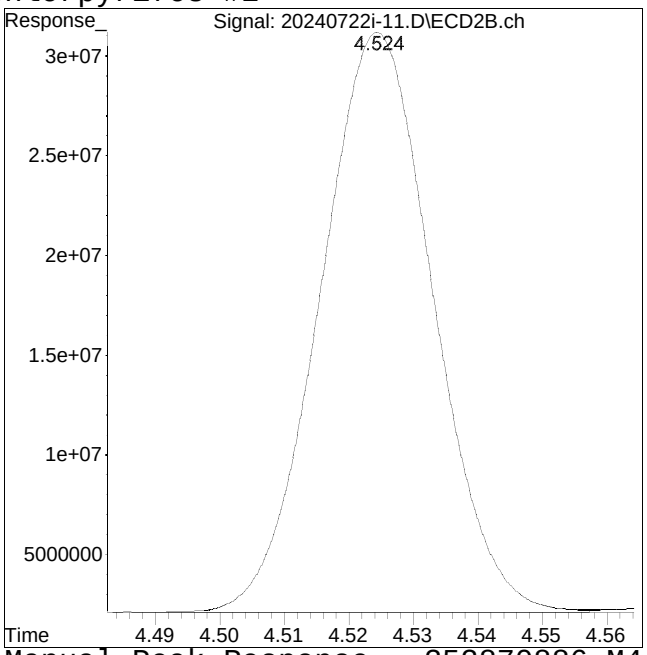
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #49: Chlorpyrifos #2



Original Peak Response = 353386014



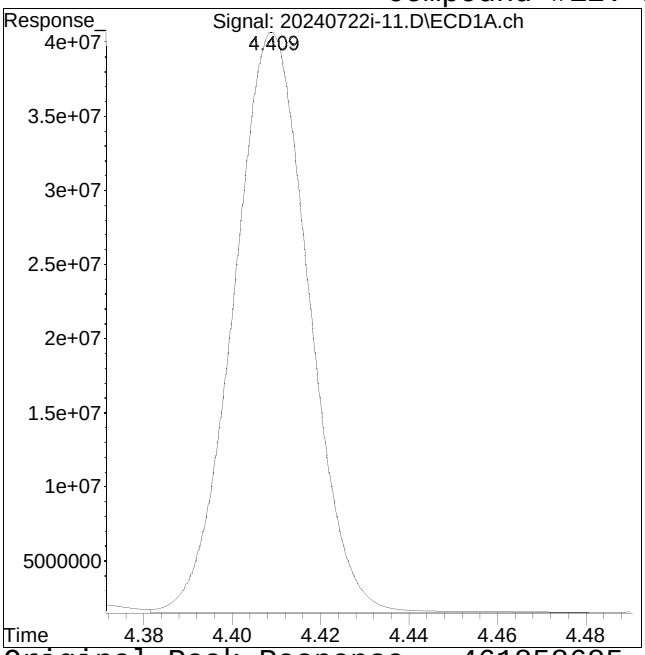
Manual Peak Response = 352870886 M4

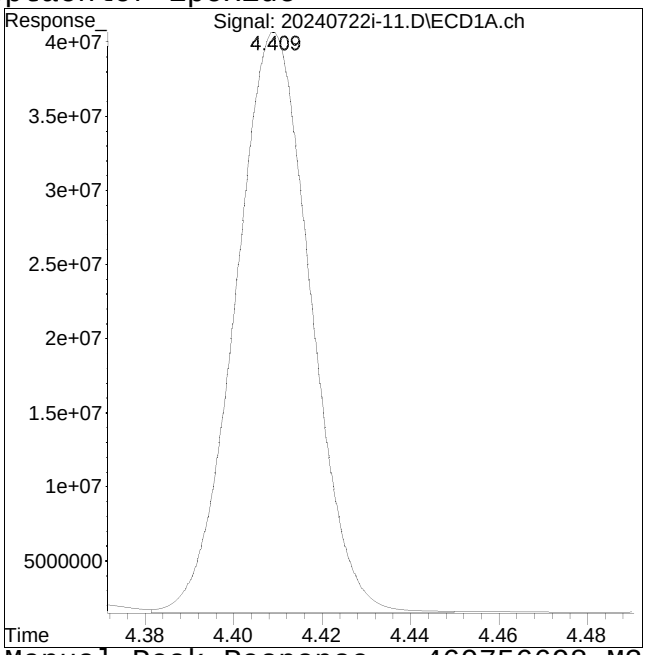
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #12: Heptachlor Epoxide



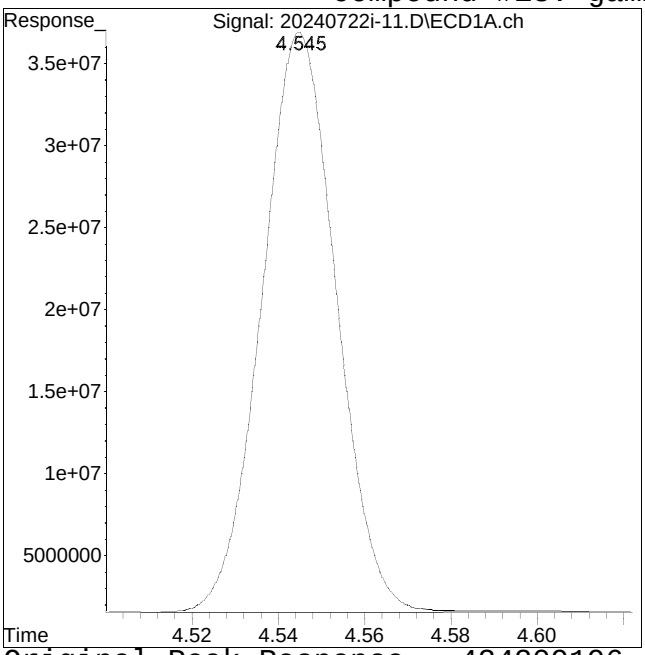


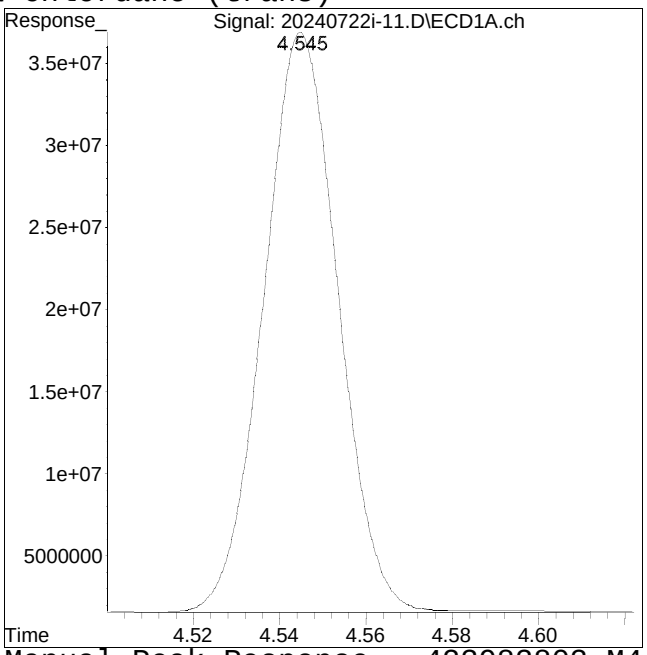
Original Peak Response = 461858685 Manual Peak Response = 460756698 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #13: gamma-Chlordane (trans)





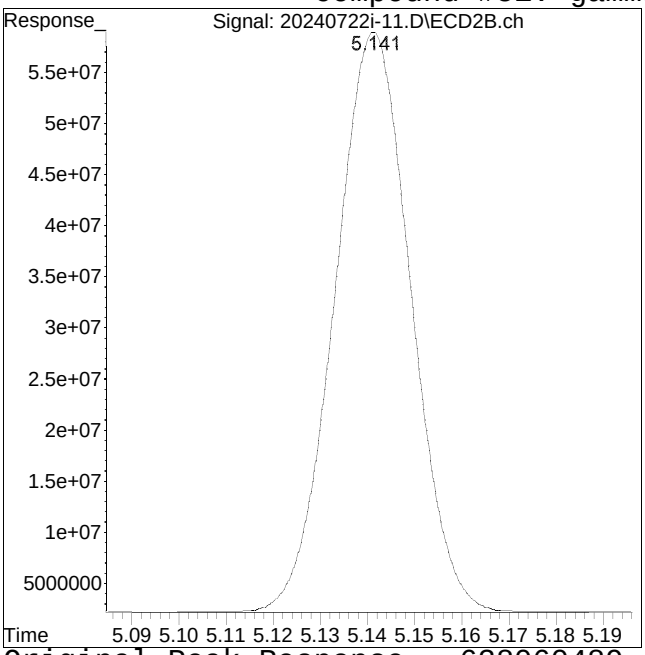
Original Peak Response = 424209196 Manual Peak Response = 423983803 M4
M4 = Poor automated baseline construction.

Manual Integration Report

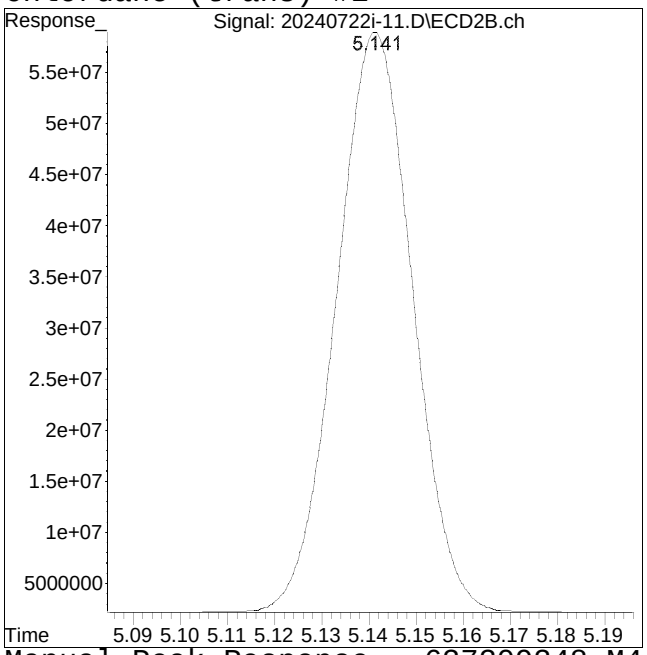
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 638060489



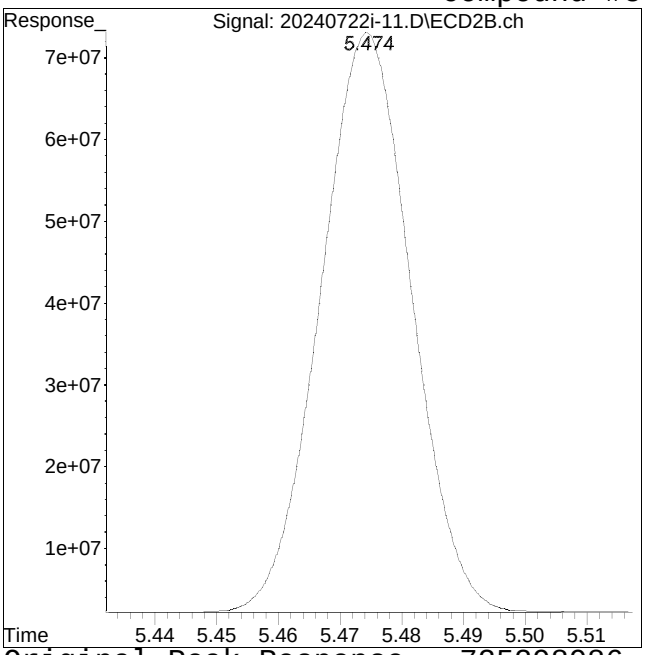
Manual Peak Response = 637309348 M4

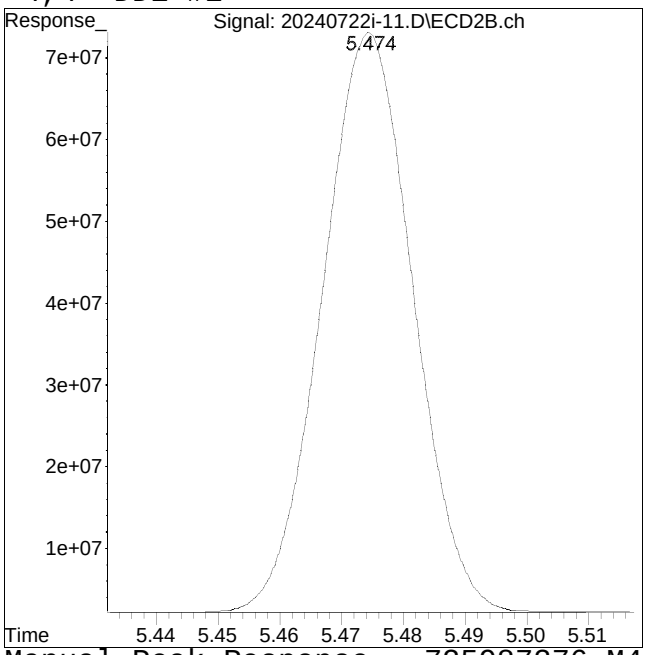
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #53: 4,4'-DDE #2



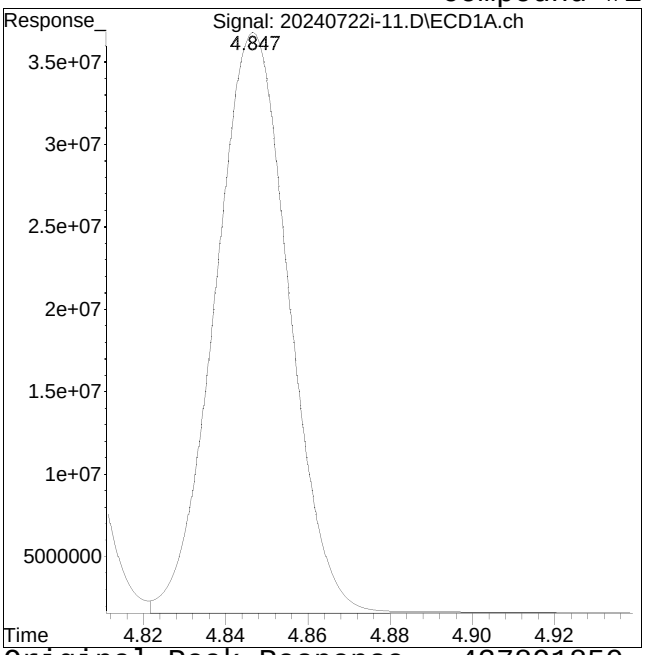


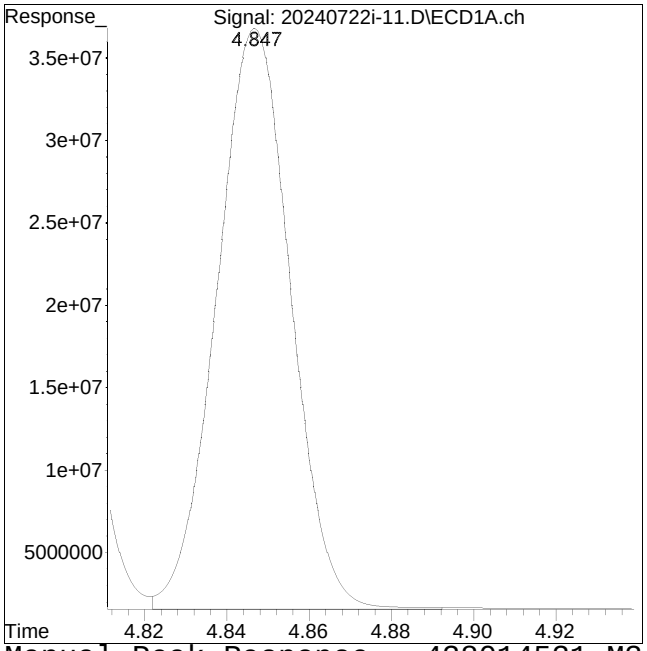
Original Peak Response = 725298986 Manual Peak Response = 725987376 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #16: Endosulfan I



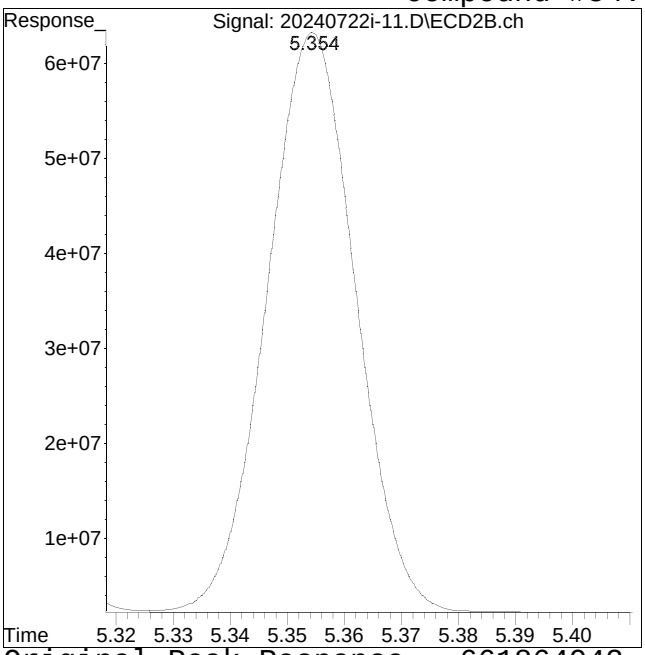


Original Peak Response = 437891850 Manual Peak Response = 438014531 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

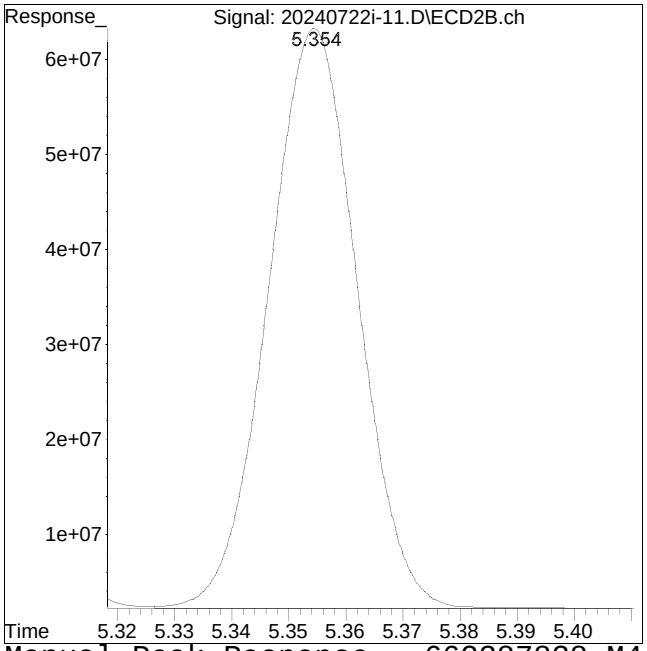
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #54: Endosulfan I #2



Original Peak Response = 661864942



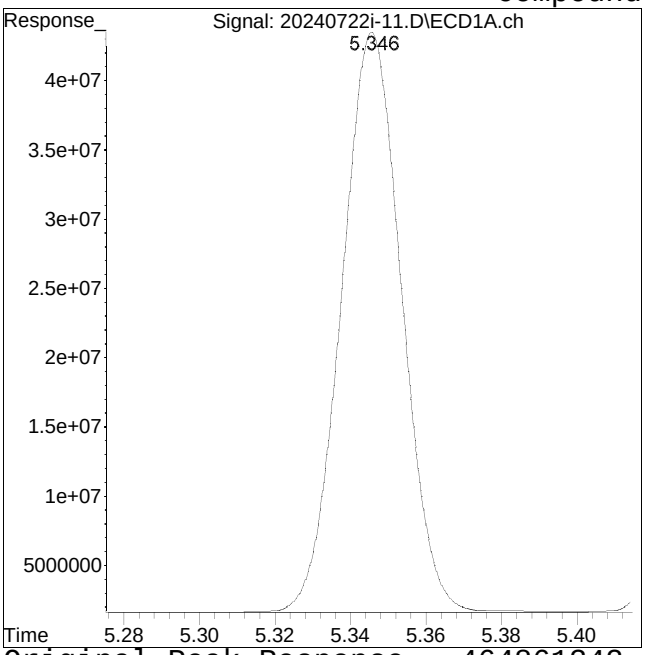
Manual Peak Response = 662387838 M4

M4 = Poor automated baseline construction.

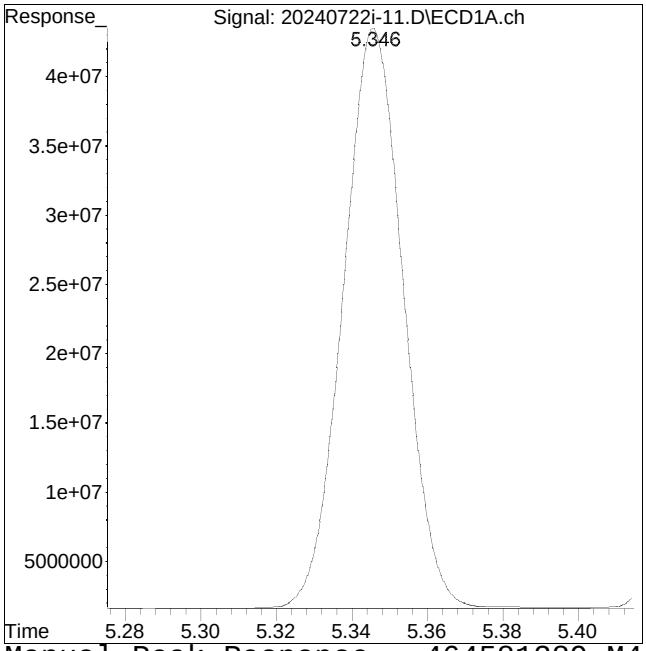
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #18: Endrin



Original Peak Response = 464861342



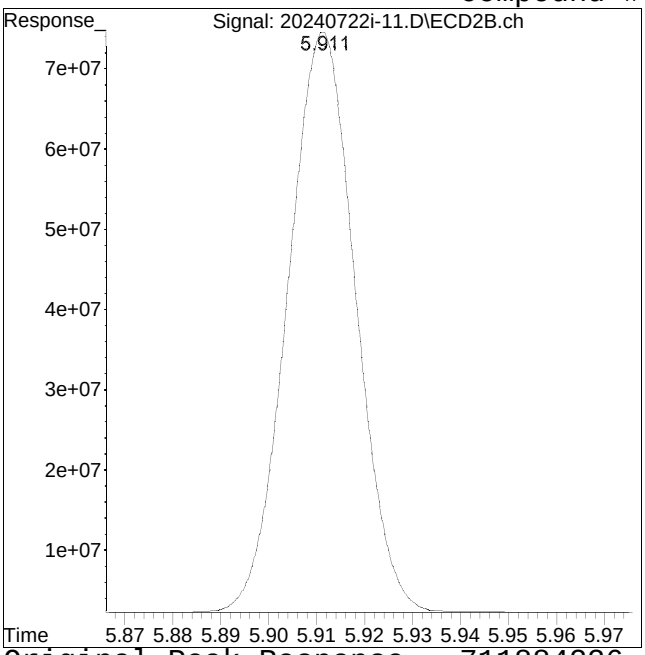
Manual Peak Response = 464581289 M4

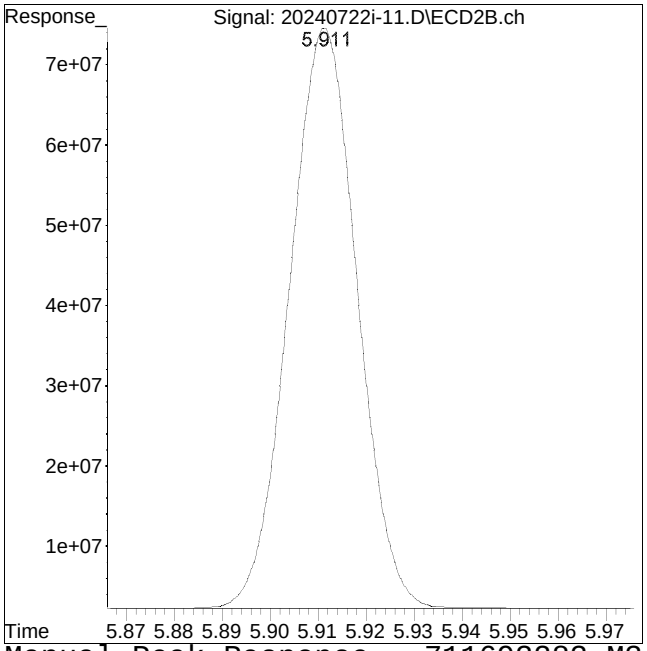
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #56: Endrin #2



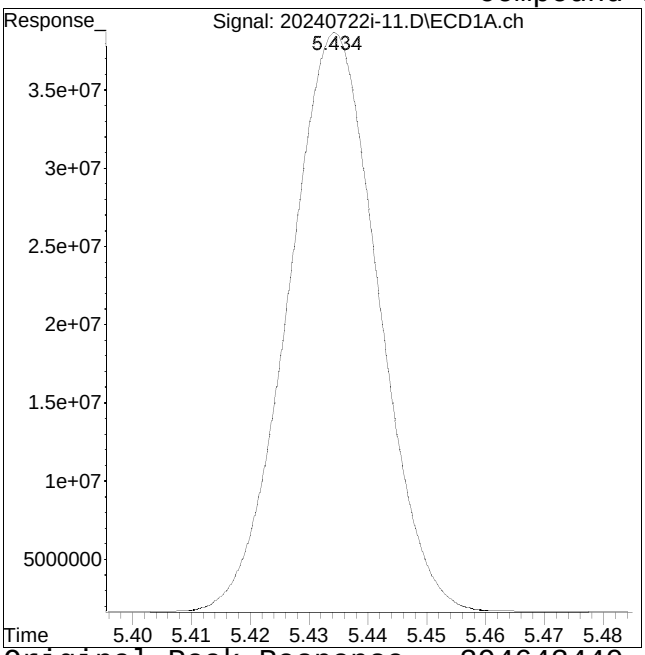


Original Peak Response = 711884226 Manual Peak Response = 711693283 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

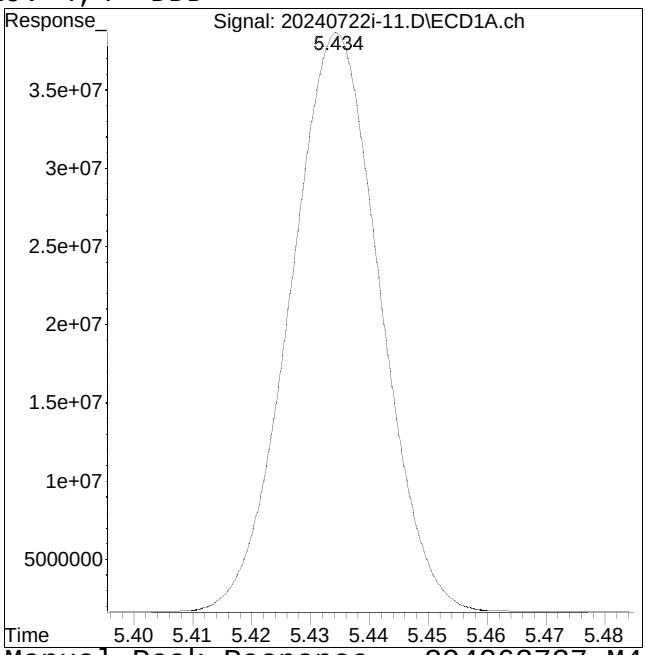
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #19: 4,4'-DDD



Original Peak Response = 394643440



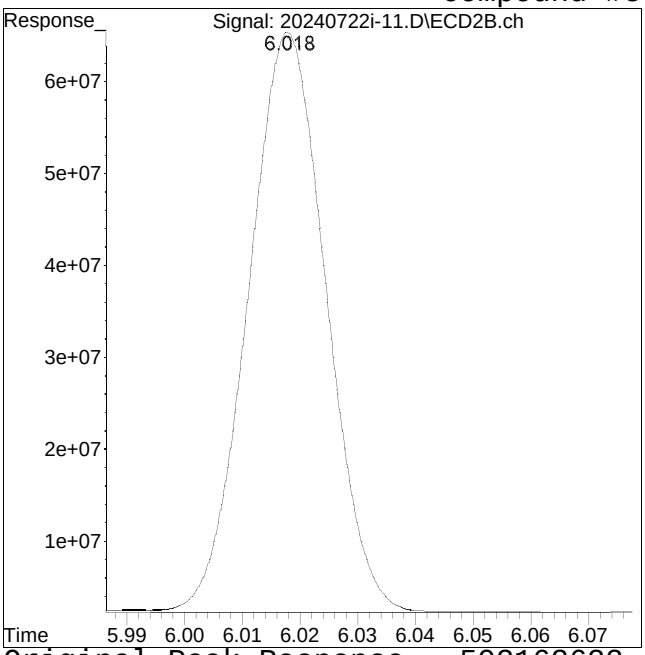
Manual Peak Response = 394263737 M4

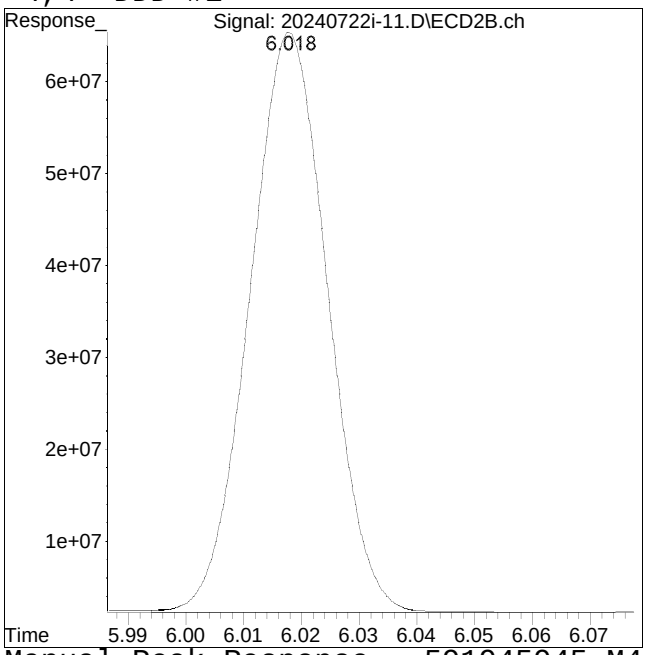
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #57: 4,4'-DDD #2



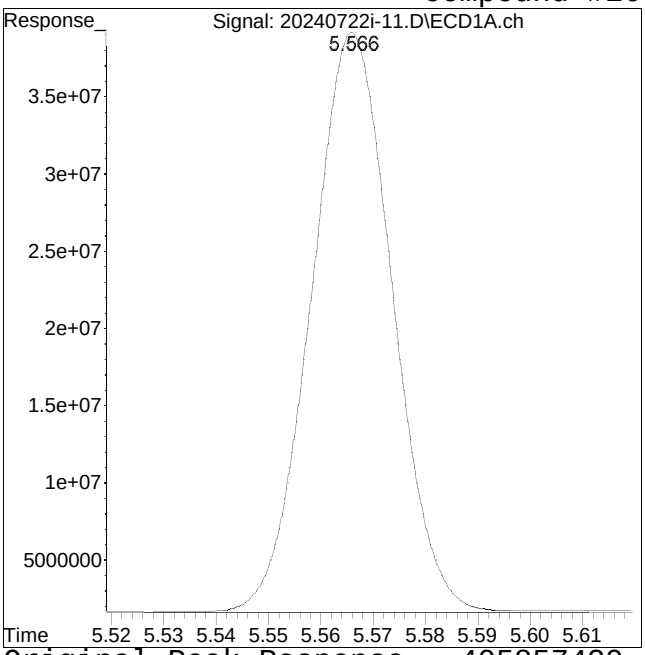


Original Peak Response = 592162622 Manual Peak Response = 591945945 M4
M4 = Poor automated baseline construction.

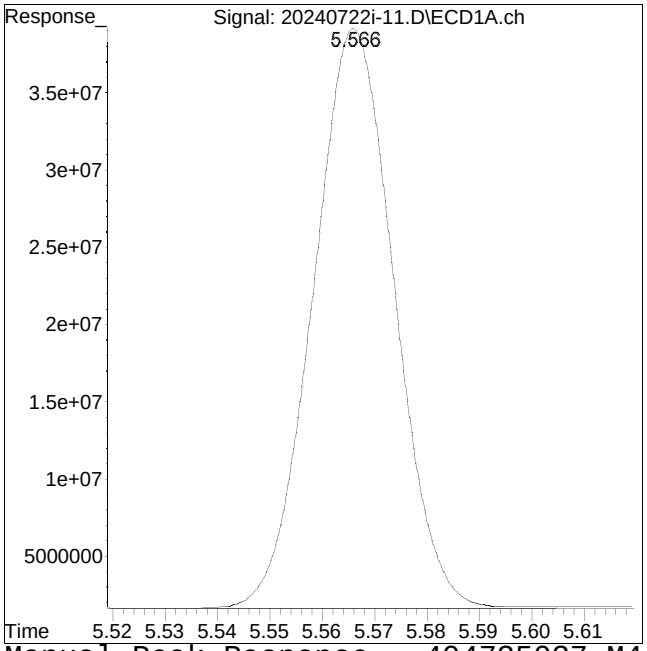
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #20: Endosulfan II



Original Peak Response = 405857429



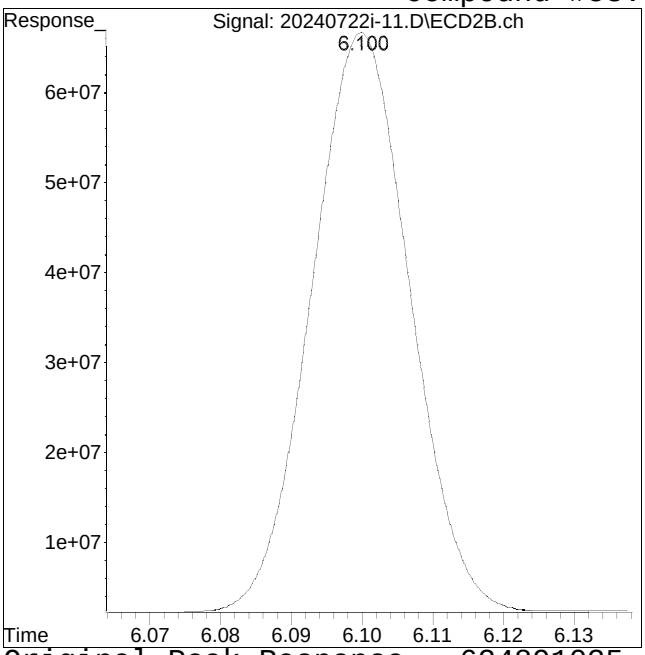
Manual Peak Response = 404735037 M4

M4 = Poor automated baseline construction.

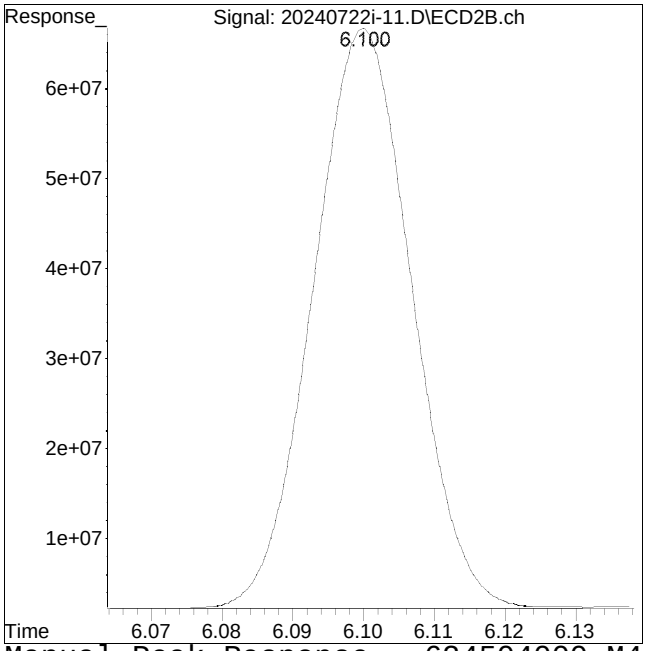
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #58: Endosulfan II #2



Original Peak Response = 624891035



Manual Peak Response = 624504000 M4

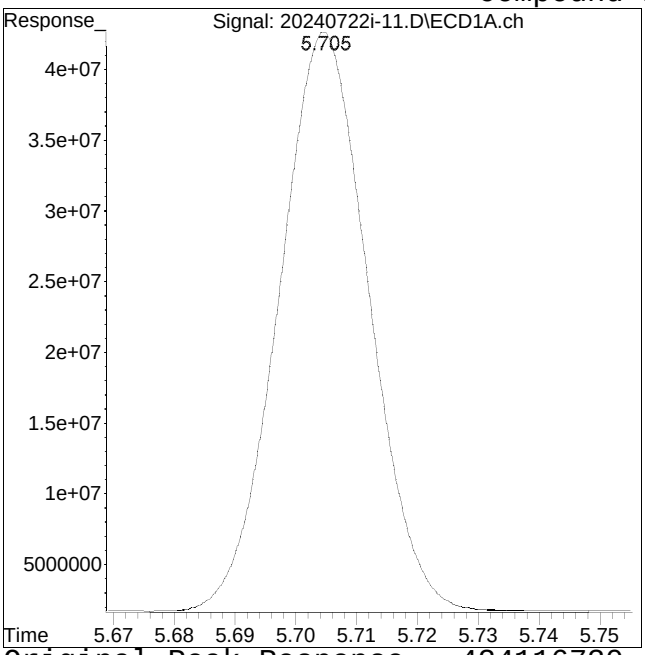
M4 = Poor automated baseline construction.

Manual Integration Report

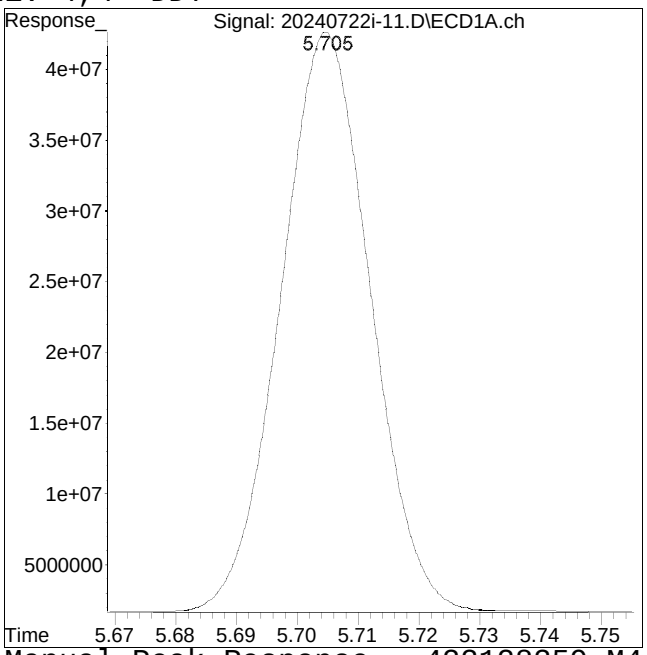
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #21: 4,4'-DDT



Original Peak Response = 424116730



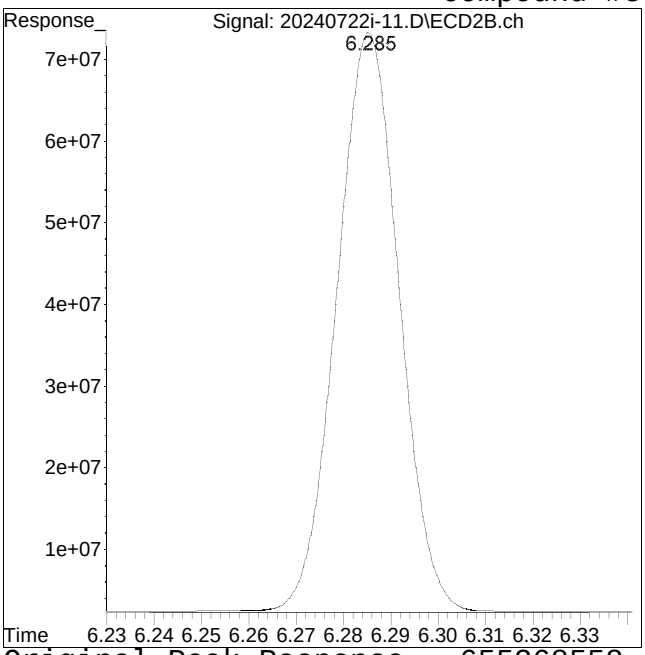
Manual Peak Response = 422128359 M4

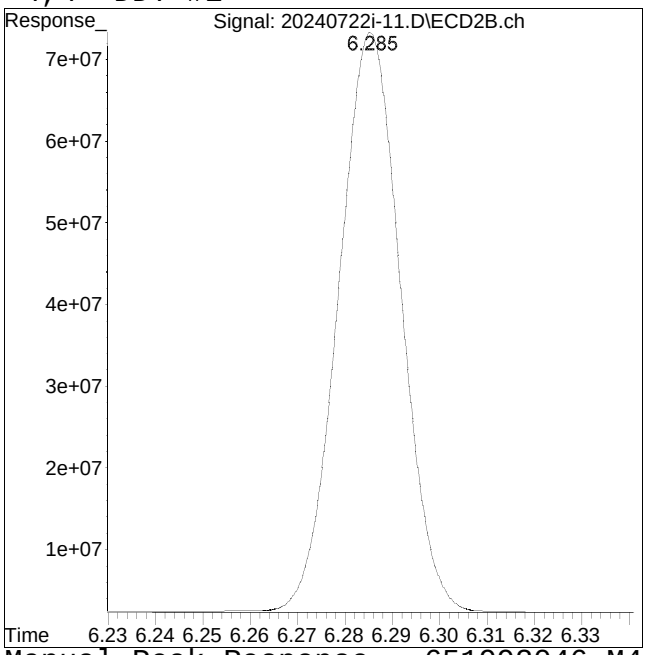
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #59: 4,4'-DDT #2



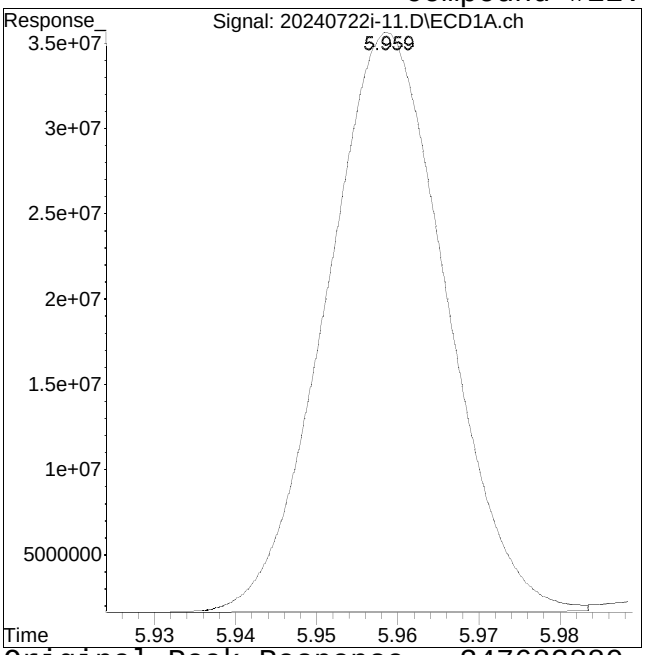


Original Peak Response = 655368558 Manual Peak Response = 651992046 M4
M4 = Poor automated baseline construction.

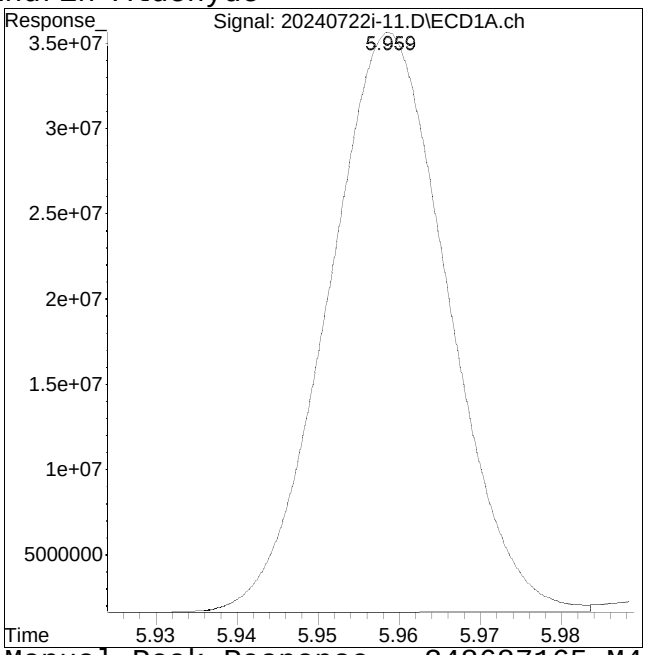
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 347683880



Manual Peak Response = 348687165 M4

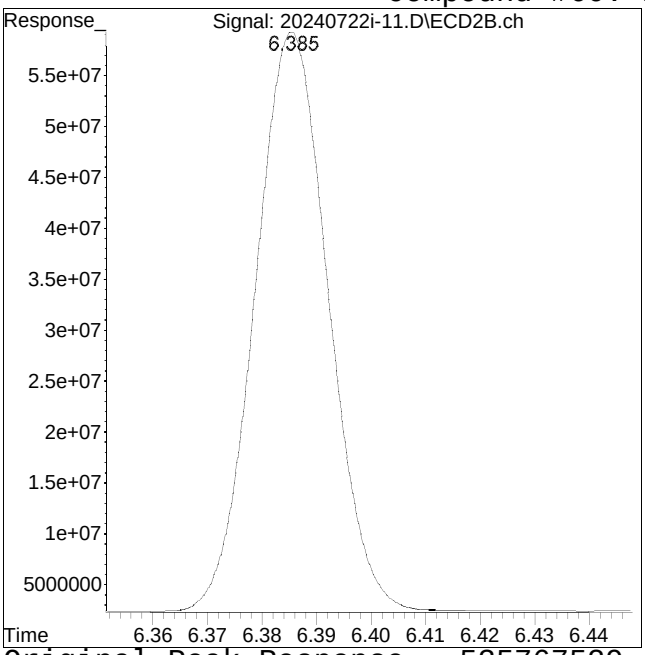
M4 = Poor automated baseline construction.

Manual Integration Report

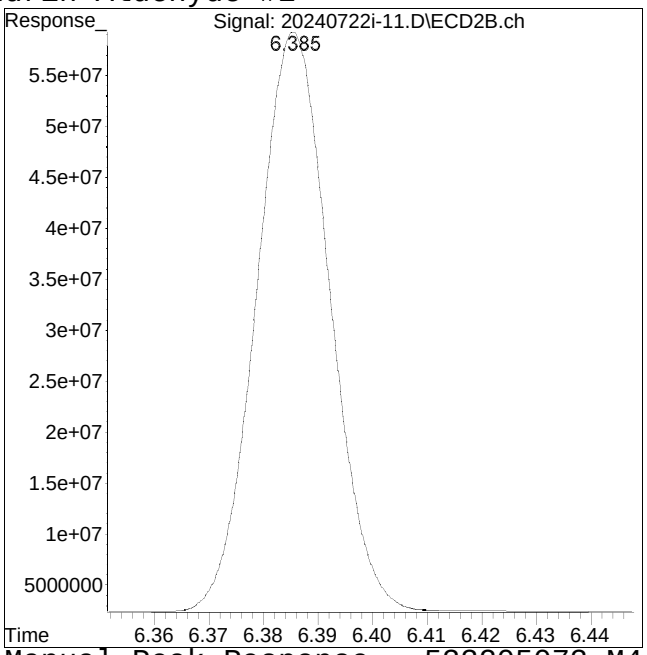
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 535767529



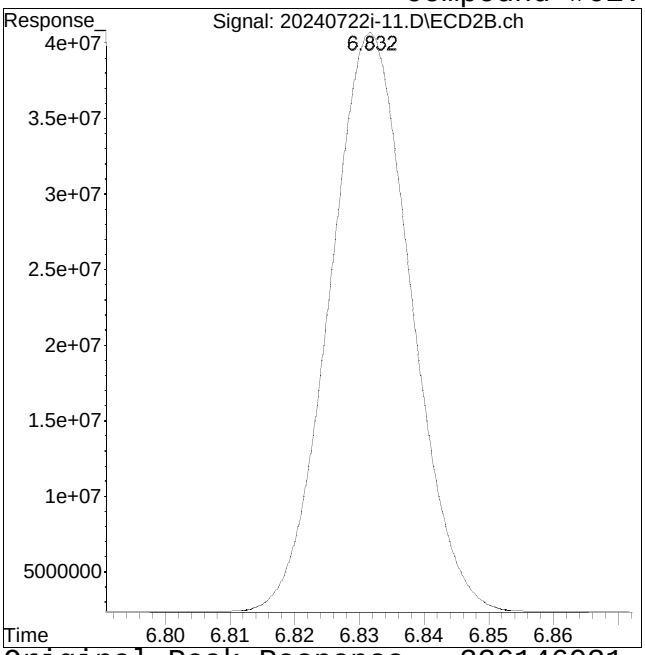
Manual Peak Response = 533205073 M4

M4 = Poor automated baseline construction.

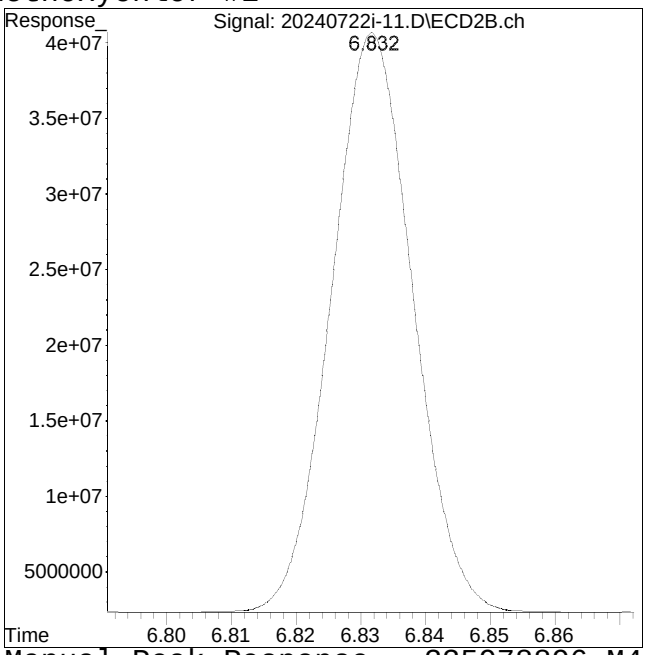
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #61: Methoxychlor #2



Original Peak Response = 336146931



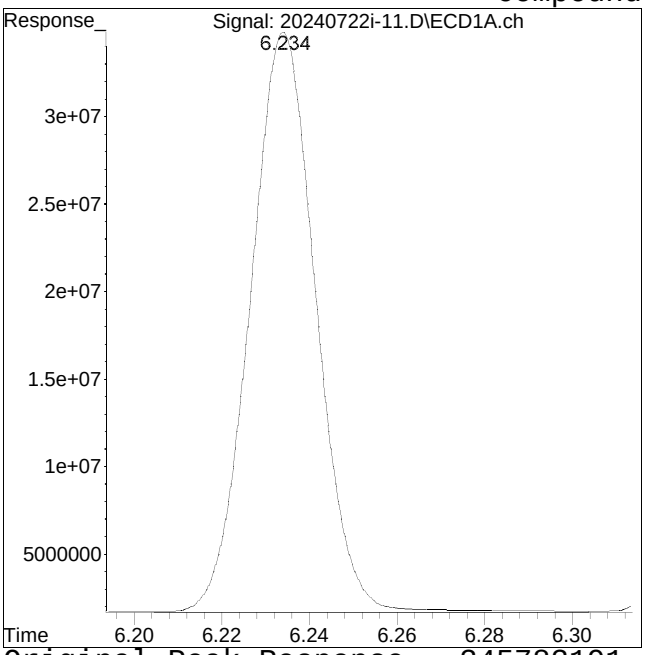
Manual Peak Response = 335978896 M4

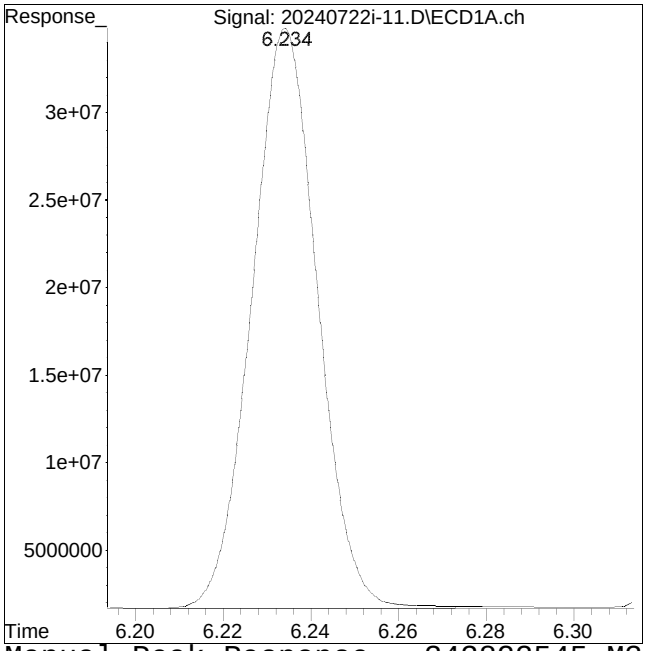
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #24: Mirex



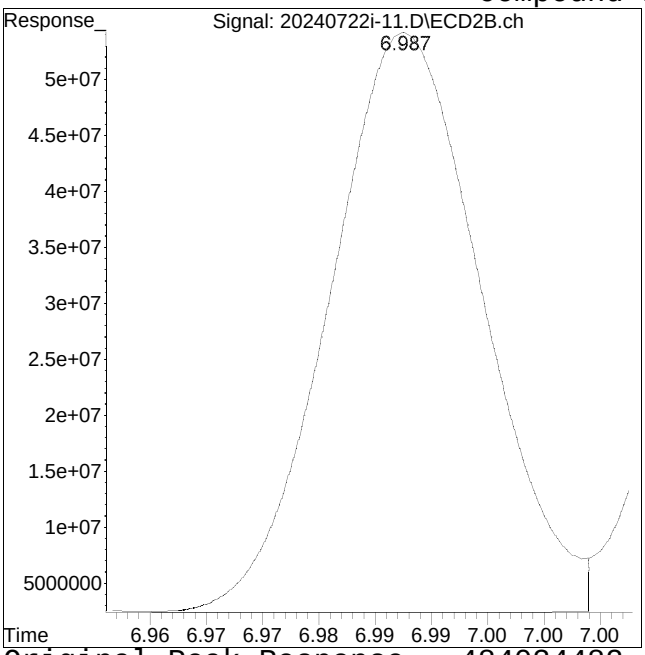


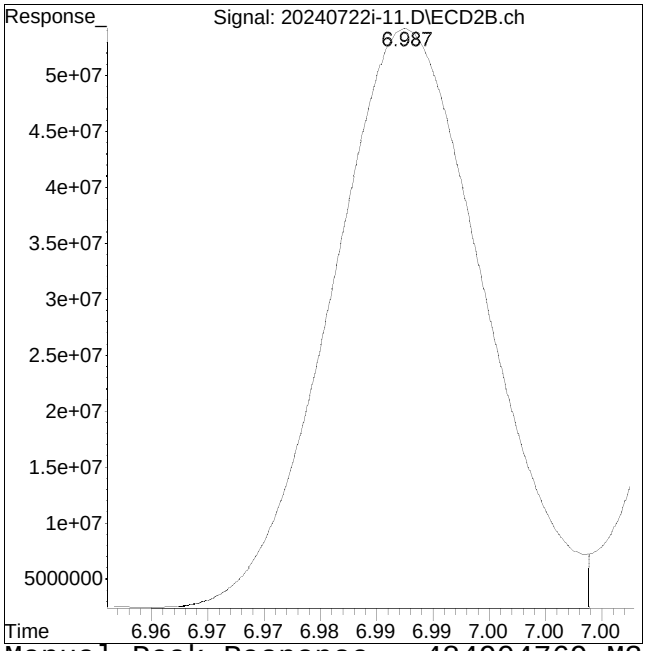
Original Peak Response = 345783191 Manual Peak Response = 343823545 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #62: Mirex #2



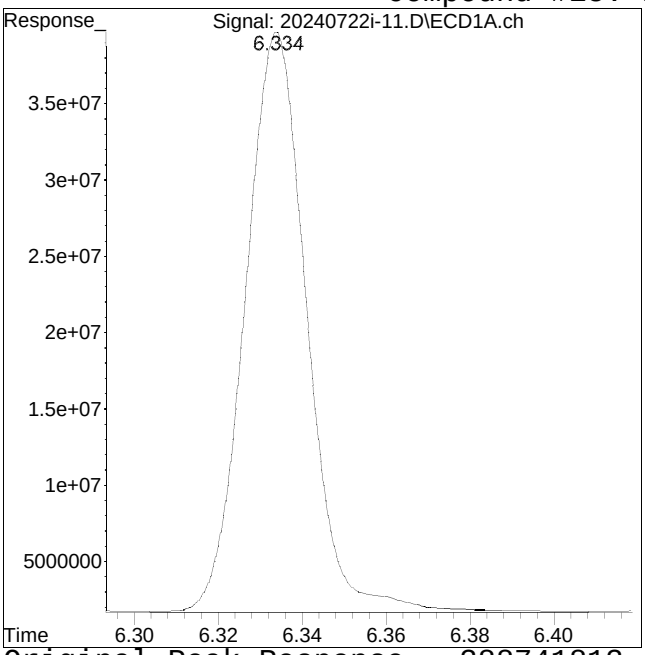


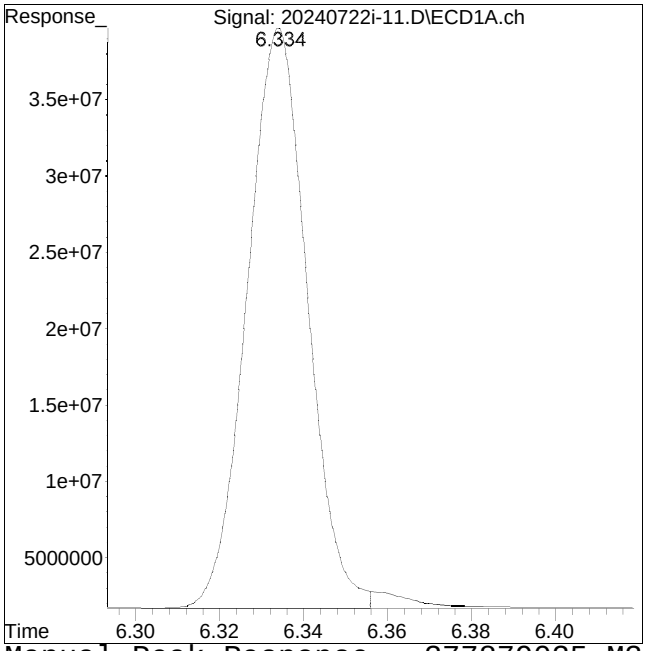
Original Peak Response = 484034482 Manual Peak Response = 484904769 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #25: Endosulfan Sulfate





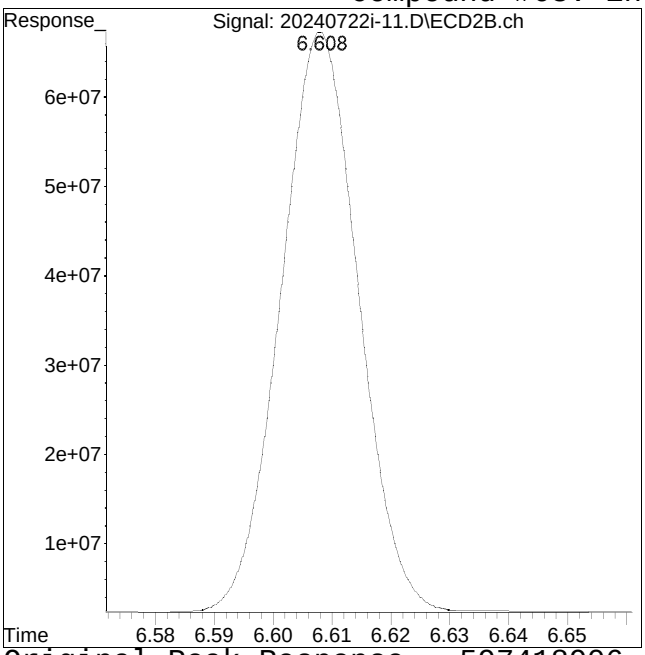
Original Peak Response = 388741813 Manual Peak Response = 377879035 M3

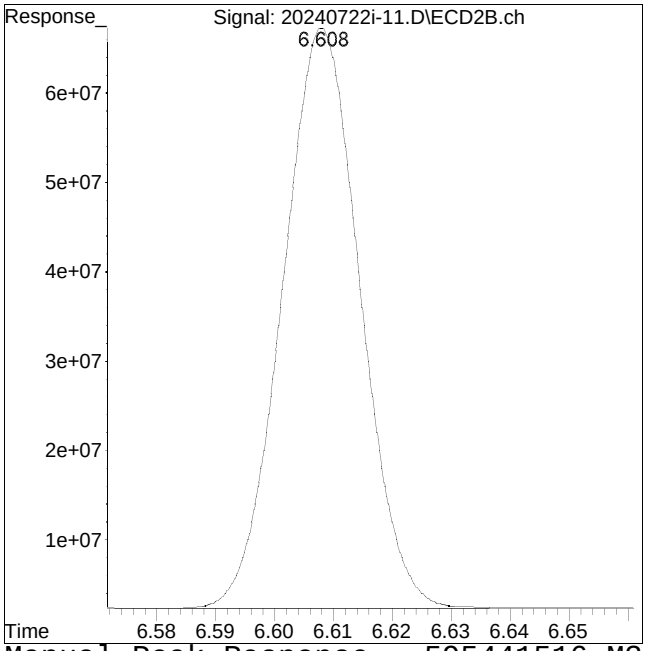
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #63: Endosulfan Sulfate #2





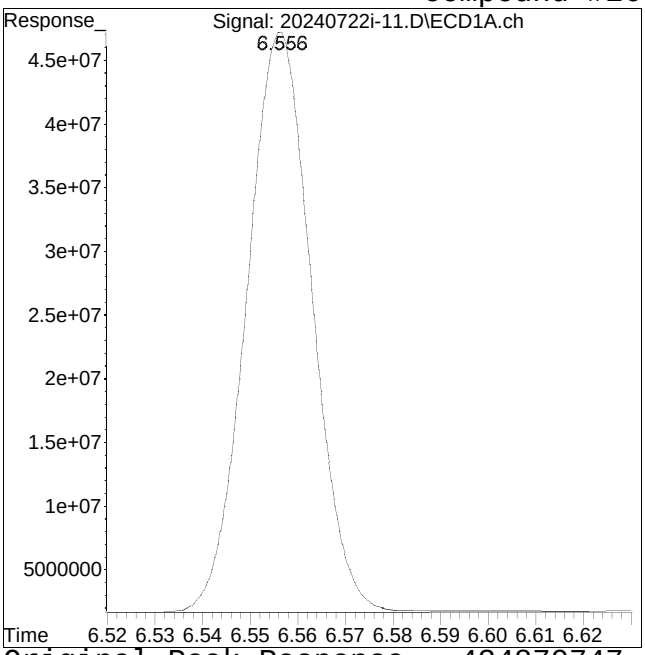
Original Peak Response = 597418906 Manual Peak Response = 595441516 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

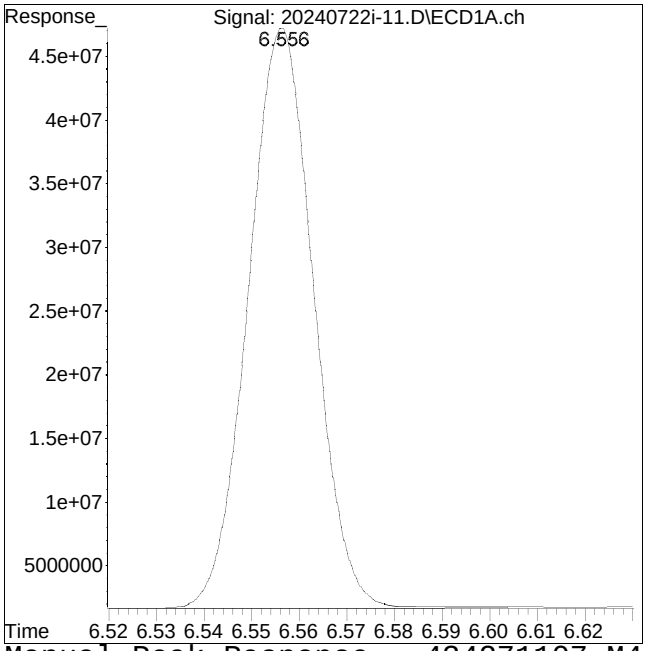
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-11.D
Date Inj'd : 7/22/2024 19:48
Sample : il10pest,42e,,pp 11679 L0.

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:50 pm

Compound #26: Endrin Ketone



Original Peak Response = 434870747



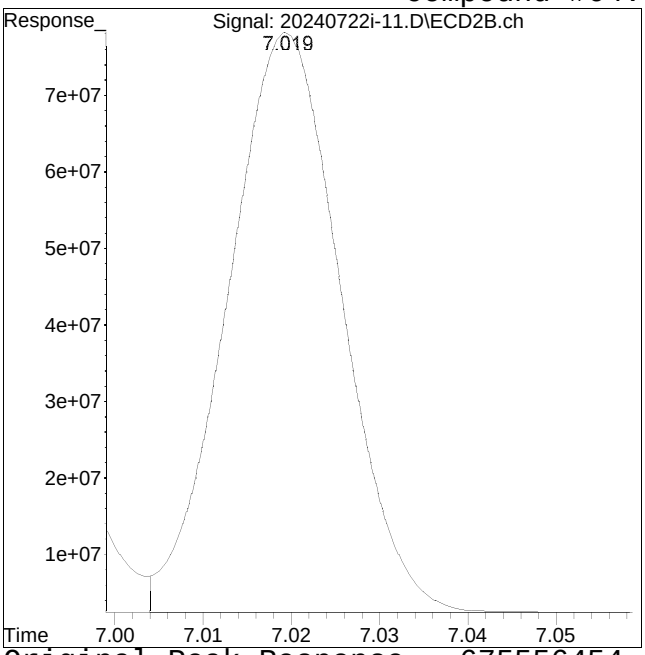
Manual Peak Response = 434271107 M4

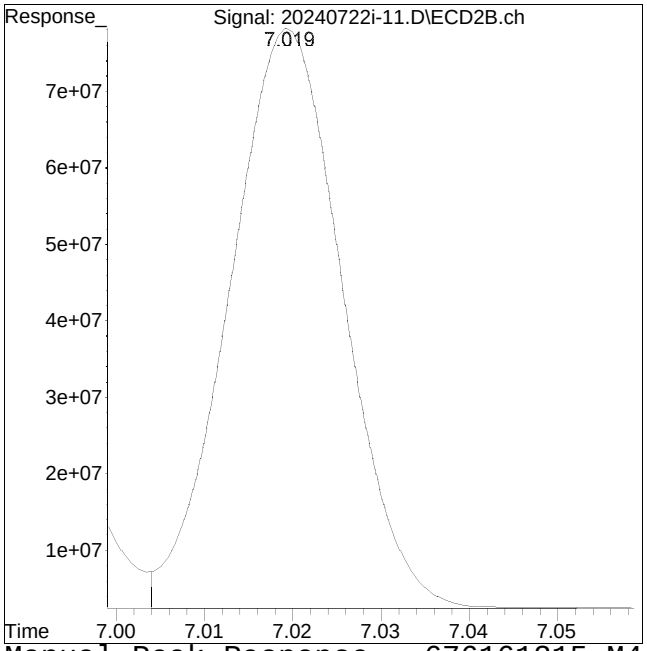
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-11.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 19:48 Instrument : PEST 20
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 7/23/2024 12:50 pm

Compound #64: Endrin Ketone #2





Original Peak Response = 675556454 Manual Peak Response = 676161215 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:01
Operator : pest20:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:56:03 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:55:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	2.007	2.063	51778957	80973288	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.473	2.663	873.9E6	1390.8E6	374.961M3	384.614
	Spiked Amount	50.000	Range 30 - 150		Recovery =	749.92%#	769.23%#
27) s	Decachlorobi	7.337	7.907	808.7E6	1063.0E6	362.667M4	368.387
	Spiked Amount	50.000	Range 30 - 150		Recovery =	725.33%#	736.77%#
	Target Compounds						
3)	Hexachlorobe	2.740	3.040	899.9E6	1407.3E6	373.883	382.812
4)	alpha-BHC	2.863	3.152	1231.6E6	2002.8E6	392.092M4	403.295
5)	gamma-BHC (l	3.107	3.477	1106.8E6	1805.3E6	389.551M4	400.878
6)	beta-BHC	3.174	3.550	493.4E6	791.1E6	376.377M3	386.283M3
7)	delta-BHC	3.325	3.847	1138.1E6	1866.3E6	396.357	408.132M4
8)	Heptachlor	3.513	3.917	1036.6E6	1618.1E6	381.418M4	388.613M4
9)	Aldrin	3.792	4.267	1035.0E6	1561.6E6	388.288	395.919
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	4.407	4.929	935.5E6	1455.1E6	382.512M3	390.278
13)	gamma-Chlord	4.544	5.140	869.4E6	1306.9E6	389.255M4	397.011M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:01
Operator : pest20:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:56:03 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:55:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
14)		alpha-Chlord	4.693	5.296	971.5E6	1440.5E6	386.129M4	393.469M4
15)		4,4'-DDE	4.794	5.474	1004.1E6	1466.3E6	389.272M4	393.749
16)		Endosulfan I	4.845	5.354	893.0E6	1343.3E6	385.208M3	391.400M4
17)		Dieldrin	5.108	5.627	947.1E6	1424.3E6	388.755M4	396.897M4
18)		Endrin	5.345	5.911	939.7E6	1439.9E6	385.086M4	393.853M4
19)		4,4'-DDD	5.434	6.018	798.3E6	1200.6E6	385.939M4	394.753M4
20)		Endosulfan I	5.565	6.100	815.7E6	1255.7E6	380.859M4	387.626M4
21)		4,4'-DDT	5.704	6.285	850.8E6	1314.3E6	381.523M4	388.703M4
22)		Endrin Aldeh	5.958	6.385	696.8E6	1067.1E6	377.112M4	385.885M3
23)		Methoxychlor	6.154	6.833	437.9E6	655.2E6	356.151M4	363.188M4
24)		Mirex	6.234	6.989	683.1E6	974.8E6	364.608M3	372.961M4
25)		Endosulfan S	6.333	6.608	759.8E6	1200.3E6	376.557M3	385.739M3
26)		Endrin Keton	6.556	7.021	866.2E6	1349.7E6	373.431M4	381.166M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:01
Operator : pest20:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:56:03 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:55:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

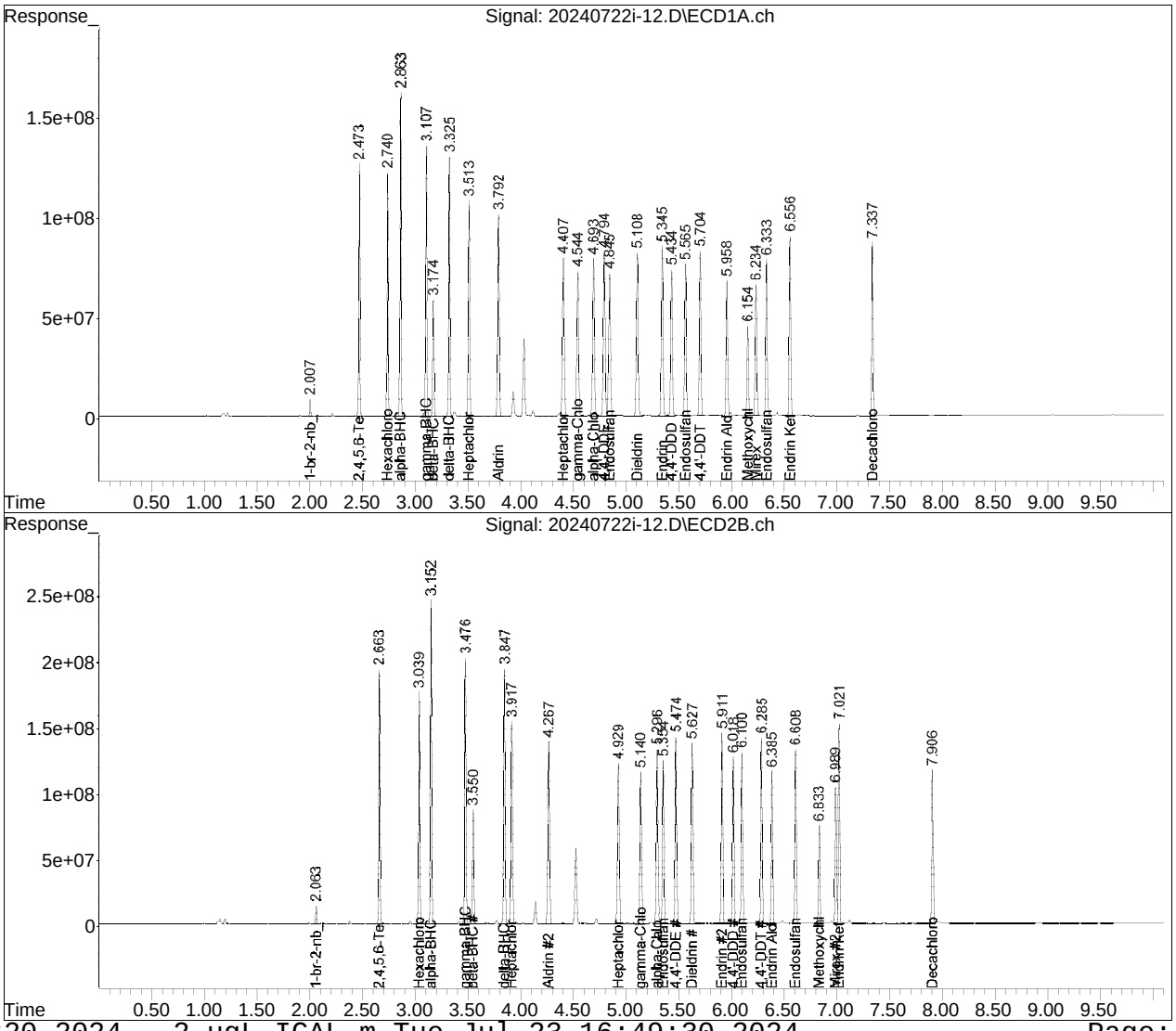
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:01
Operator : pest20:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 12:56:03 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 12:55:55 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

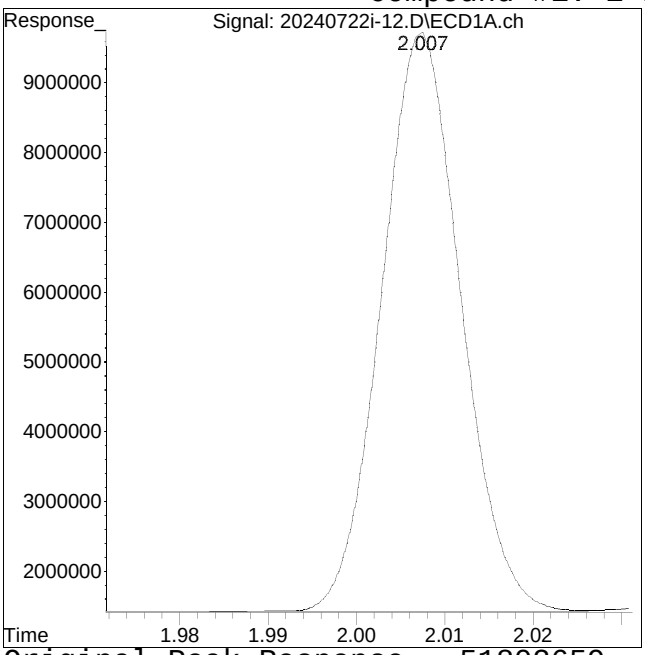


Manual Integration Report

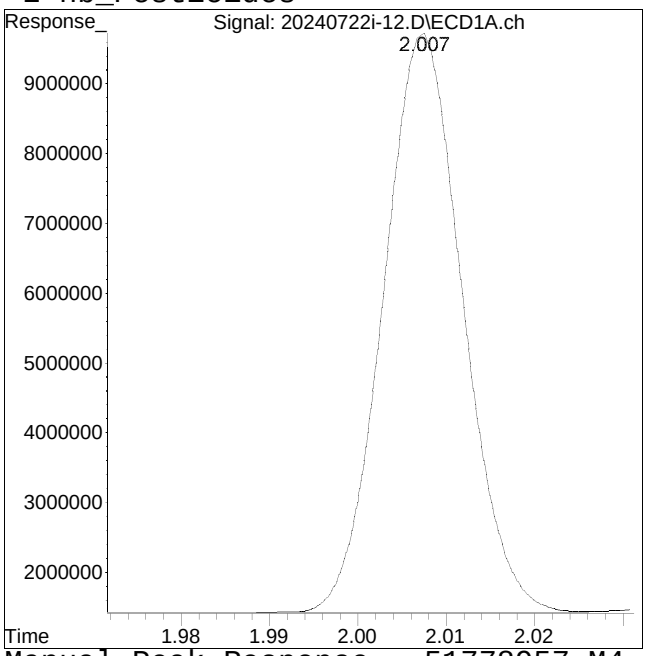
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0.

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 51802659



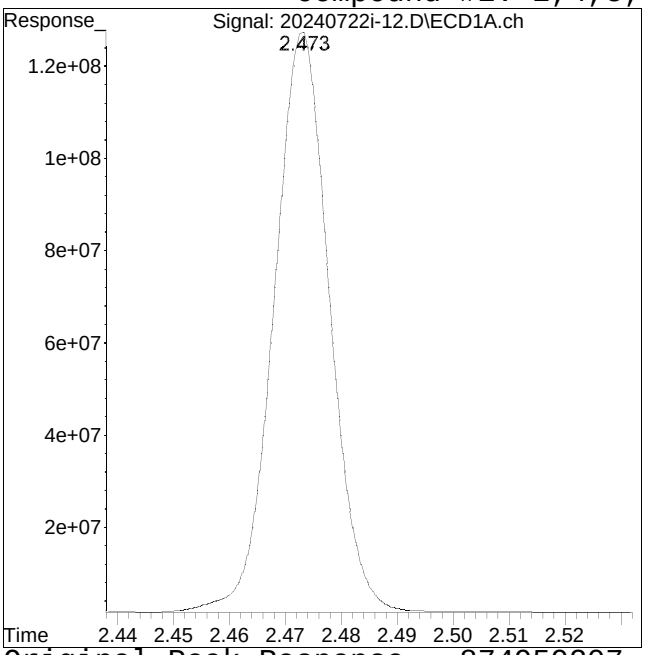
Manual Peak Response = 51778957 M4

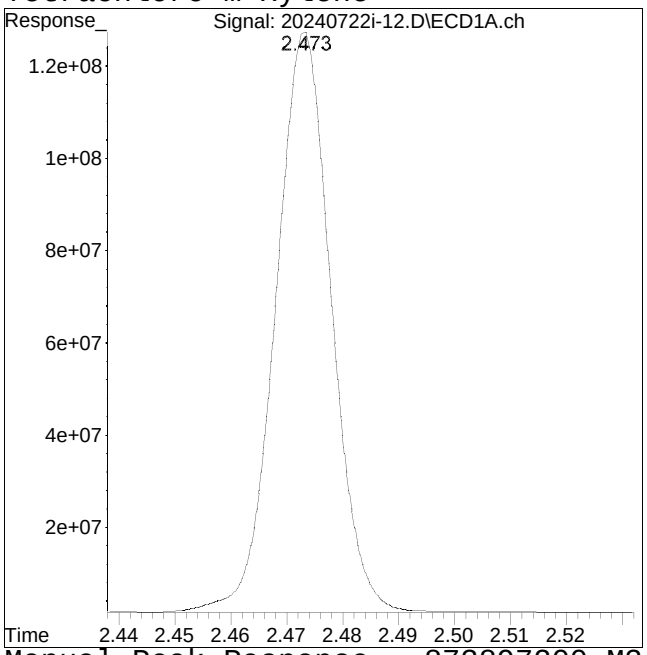
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



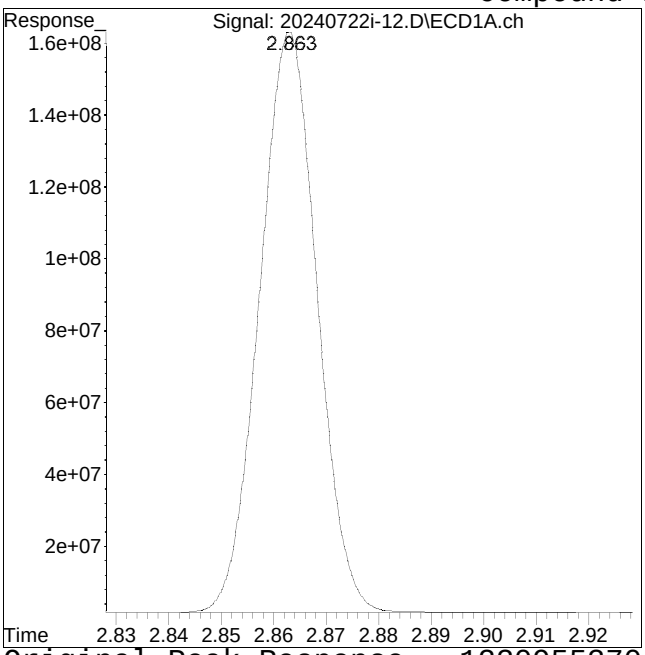


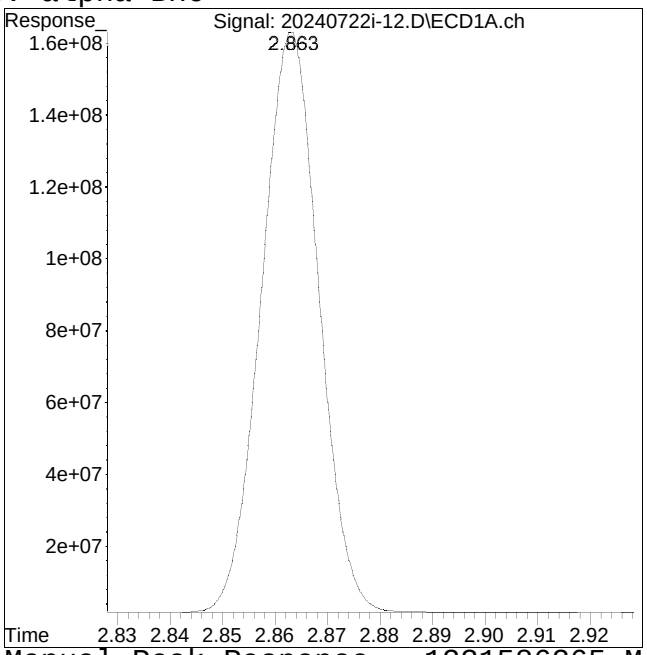
Original Peak Response = 874959207 Manual Peak Response = 873897200 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #4: alpha-BHC



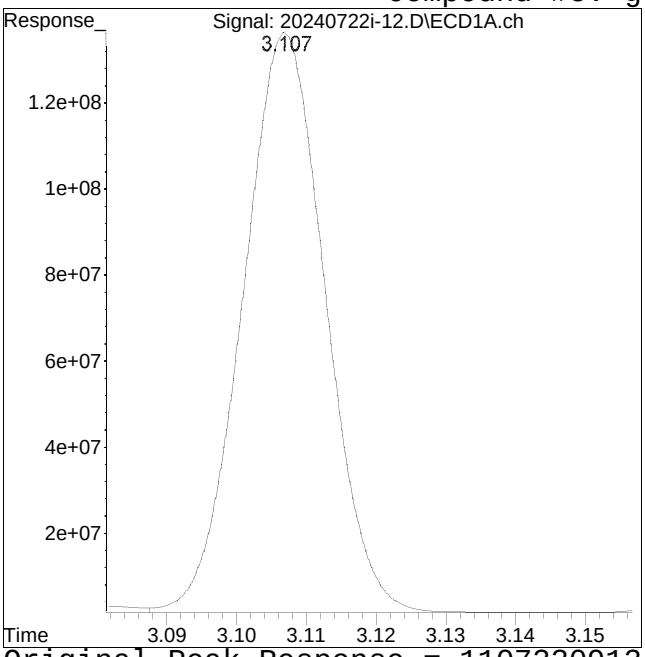


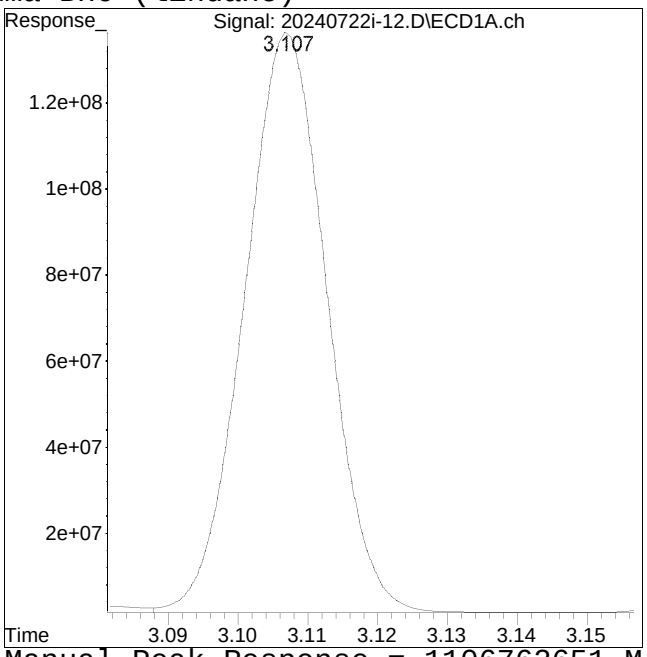
Original Peak Response = 1230955370 Manual Peak Response = 1231586265 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #5: gamma-BHC (lindane)



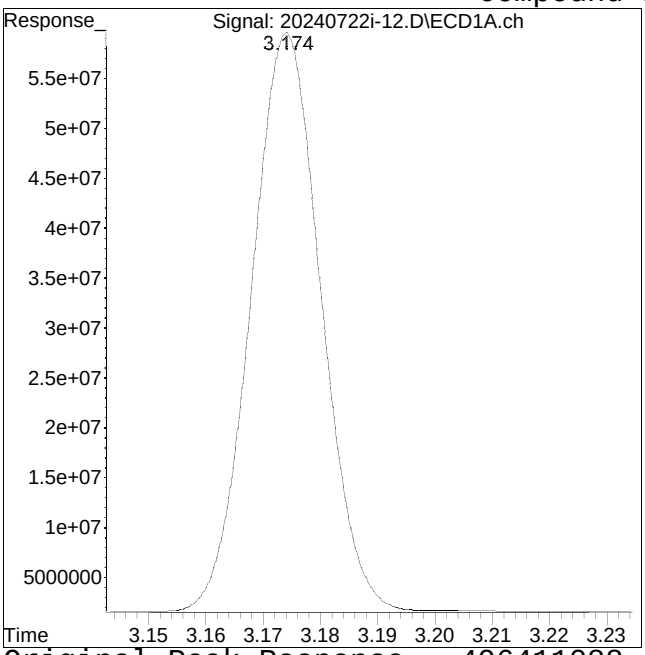


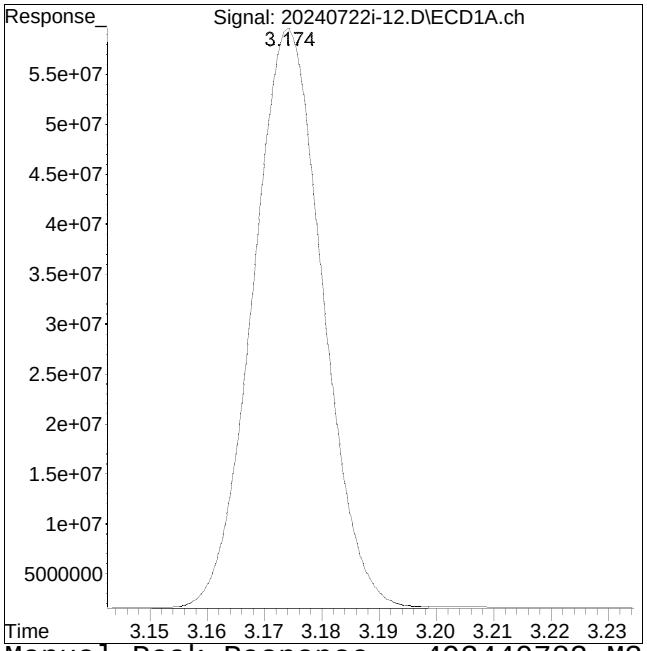
Original Peak Response = 1107330913 Manual Peak Response = 1106762651 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #6: beta-BHC





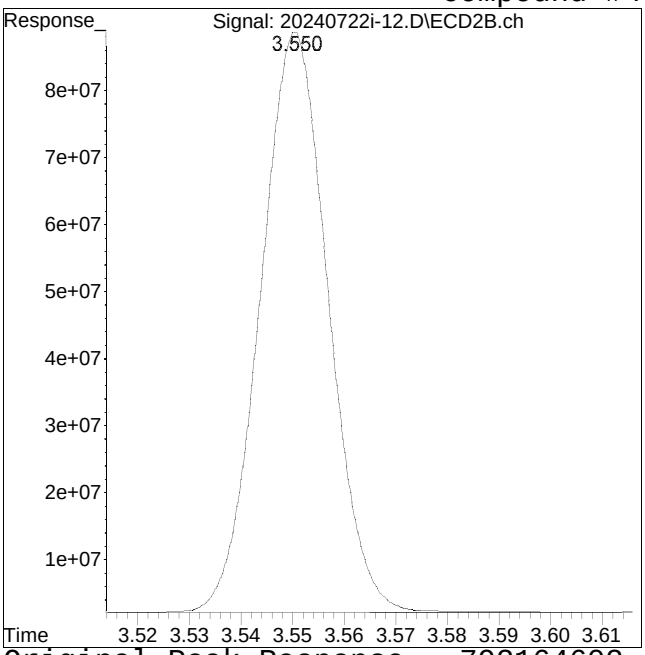
Original Peak Response = 496411088 Manual Peak Response = 493440783 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

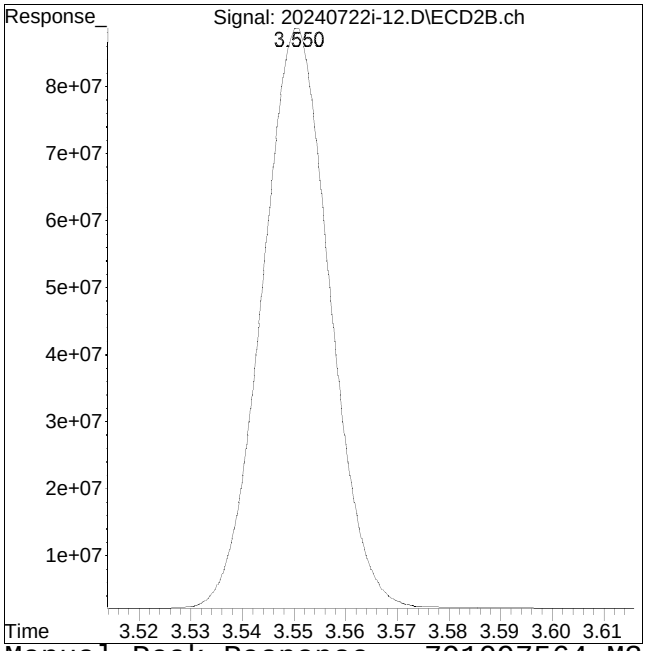
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #44: beta-BHC #2





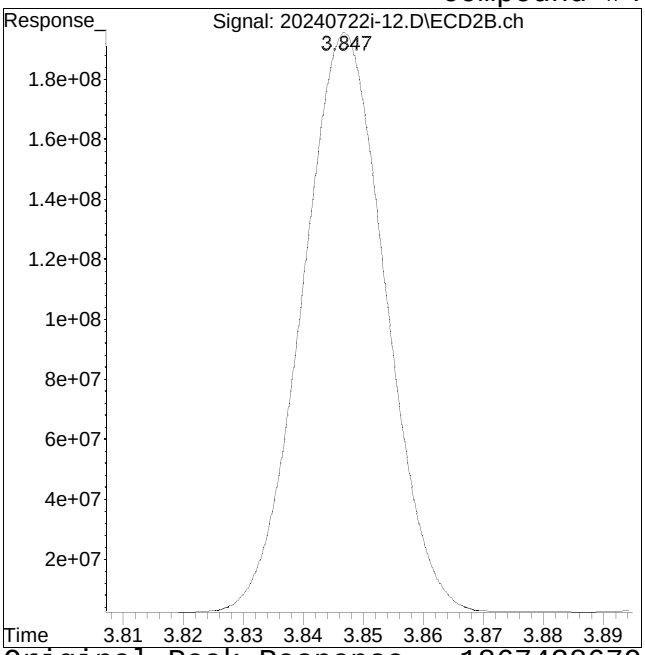
Original Peak Response = 792164602 Manual Peak Response = 791097564 M3

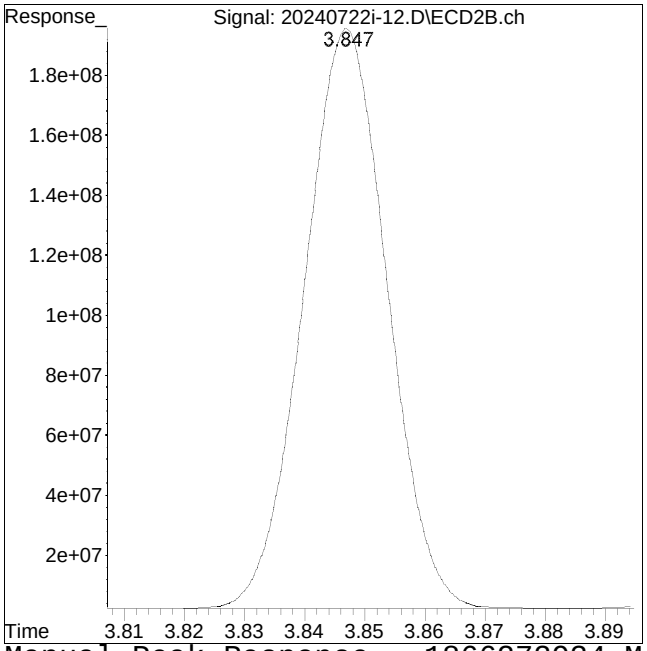
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #45: delta-BHC #2



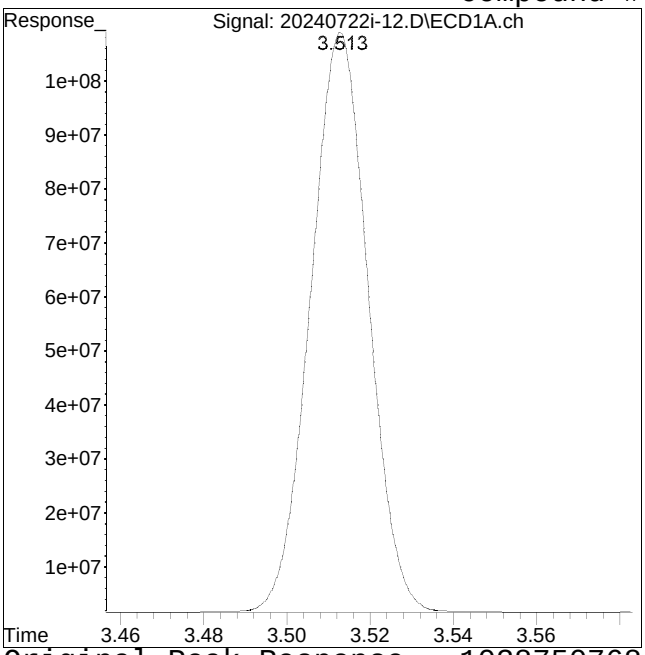


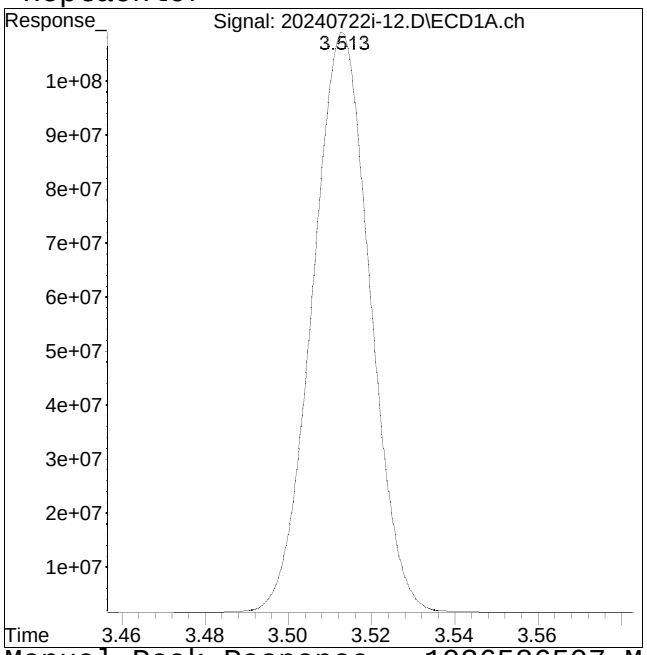
Original Peak Response = 1867438679 Manual Peak Response = 1866272934 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #8: Heptachlor



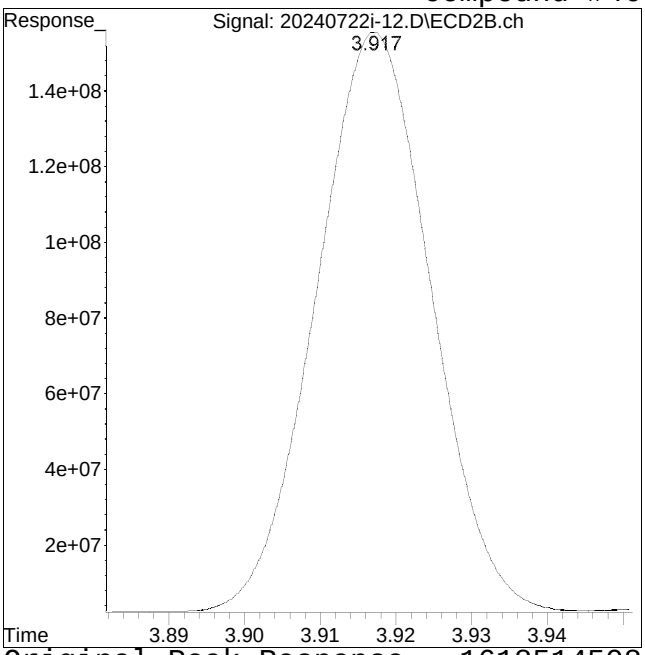


Original Peak Response = 1038750768 Manual Peak Response = 1036586507 M4
M4 = Poor automated baseline construction.

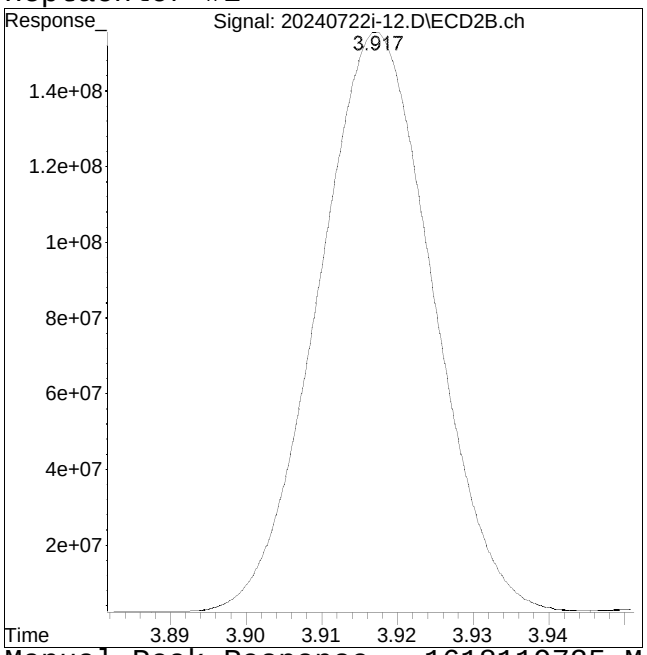
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #46: Heptachlor #2



Original Peak Response = 1618514508



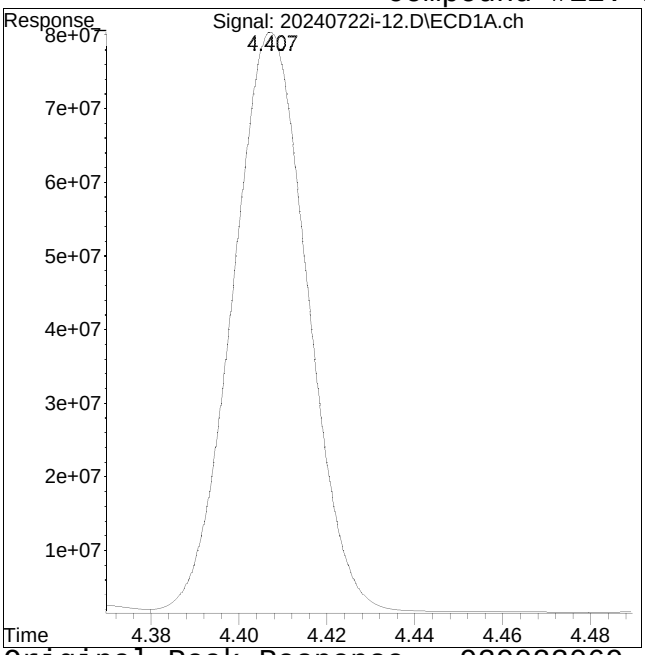
Manual Peak Response = 1618119725 M4

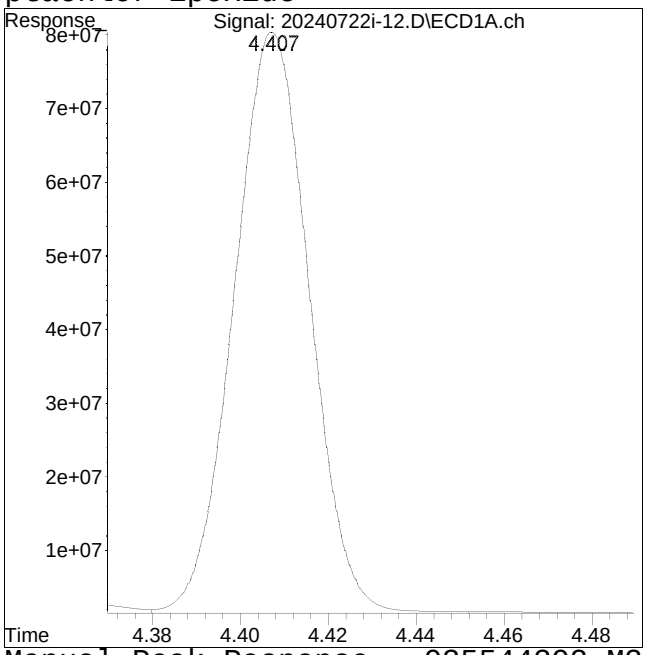
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #12: Heptachlor Epoxide



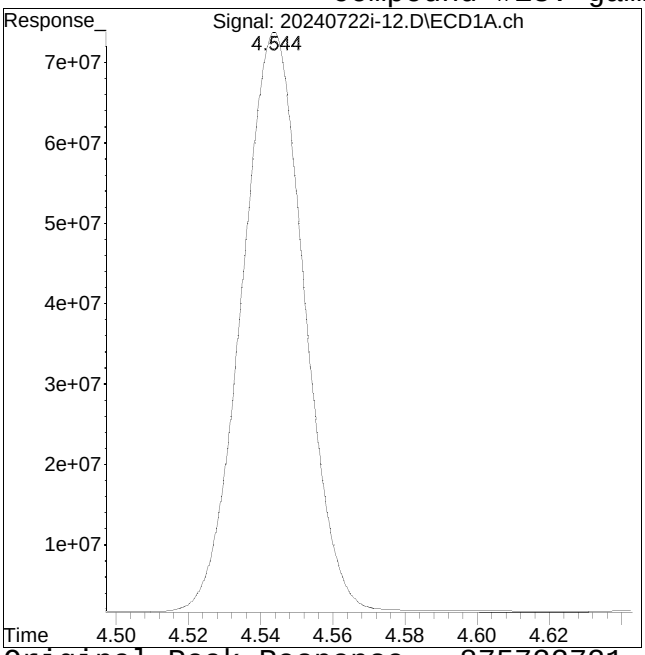


Original Peak Response = 939023069 Manual Peak Response = 935544392 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

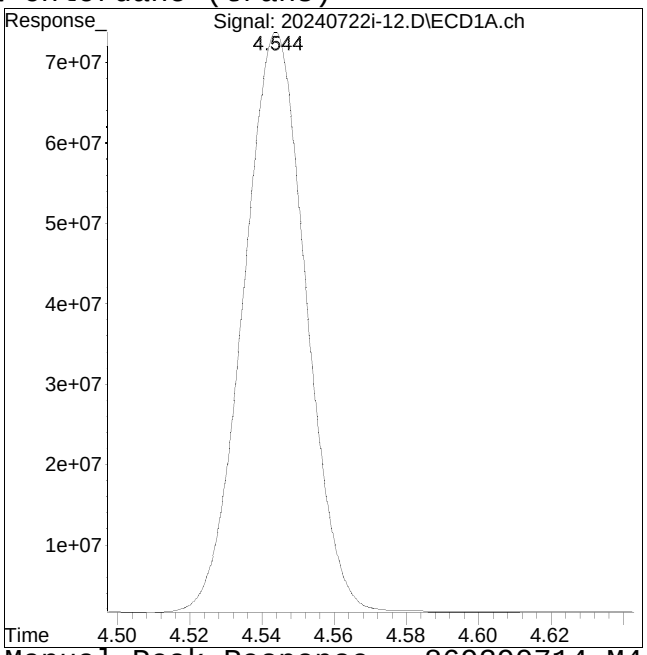
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 875732721



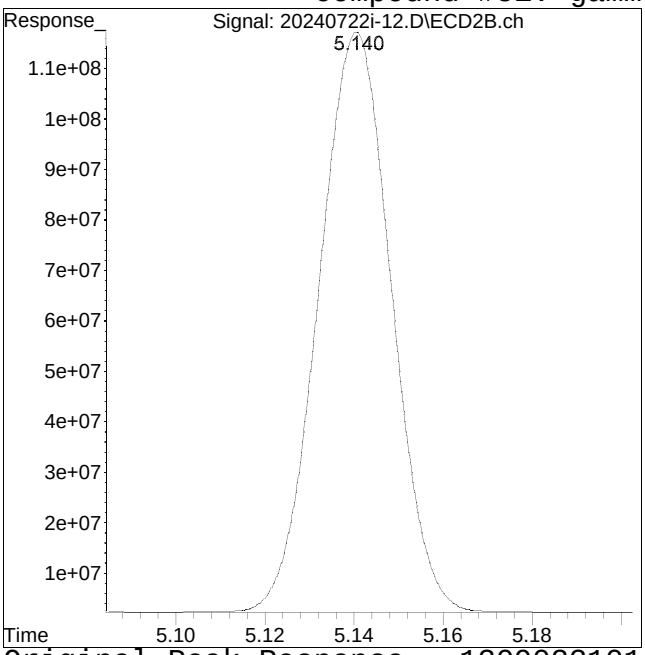
Manual Peak Response = 869390714 M4

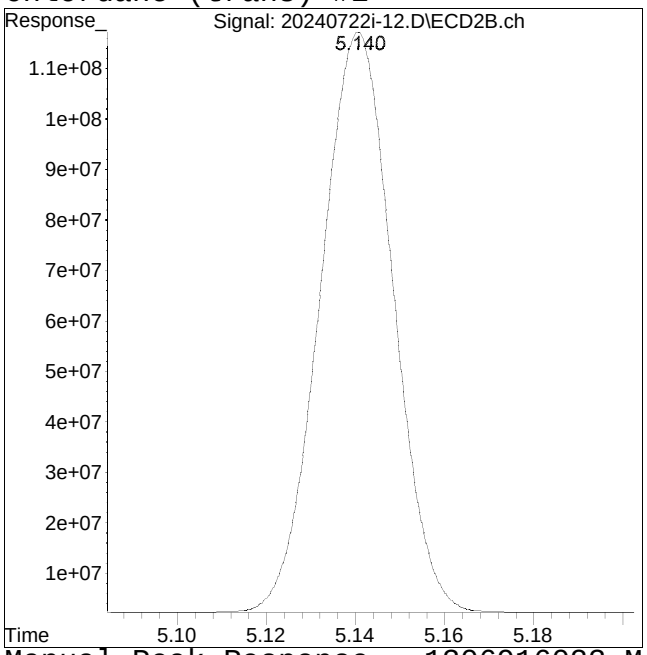
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #51: gamma-Chlordane (trans) #2



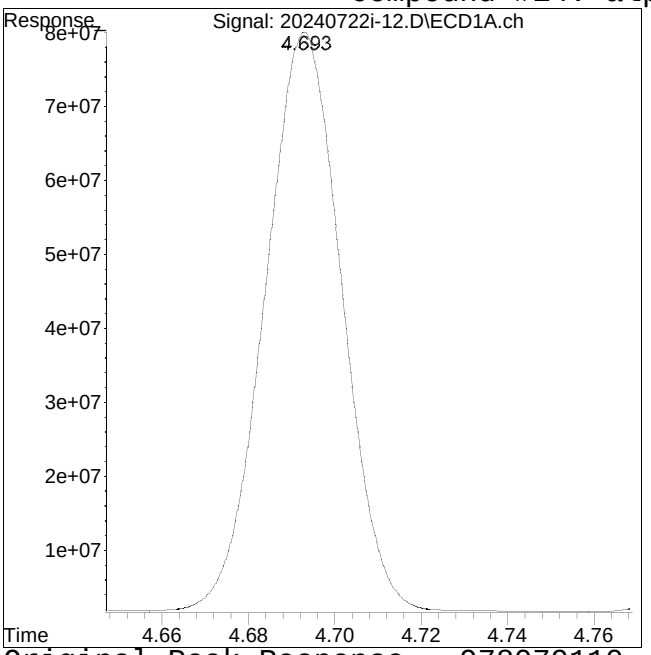


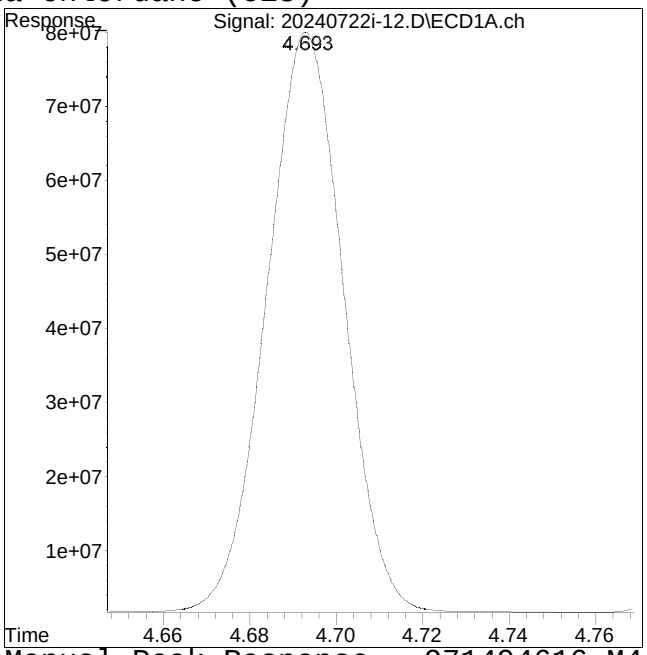
Original Peak Response = 1309023101 Manual Peak Response = 1306916023 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #14: alpha-Chlordane (cis)



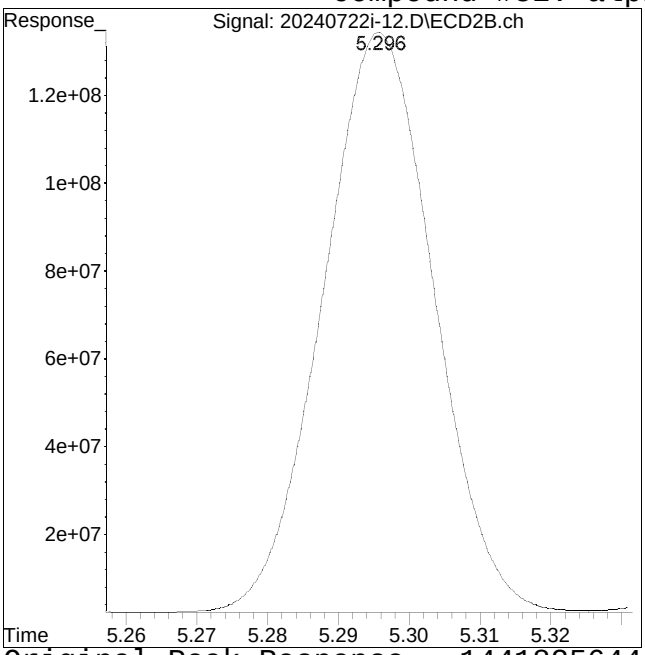


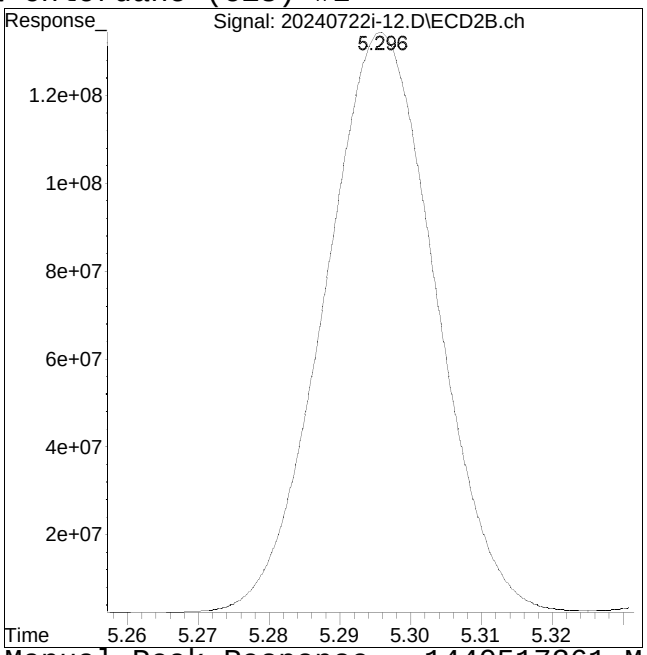
Original Peak Response = 978079110 Manual Peak Response = 971494616 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #52: alpha-Chlordane (cis) #2



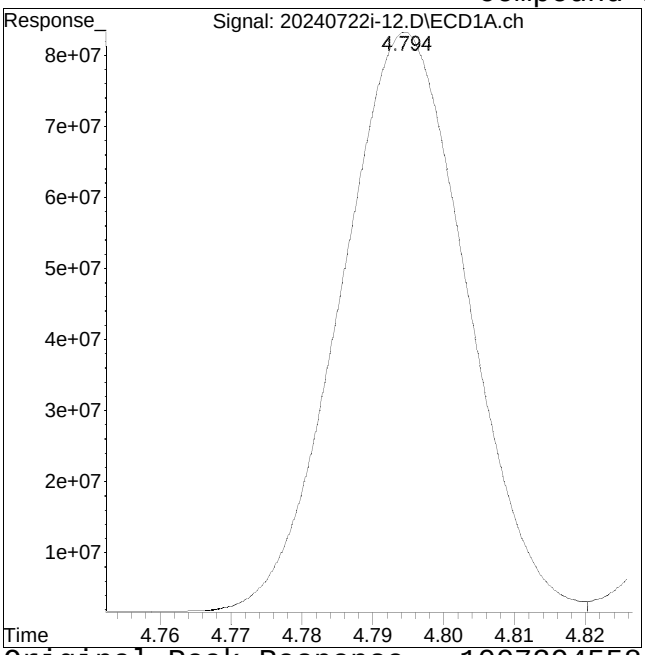


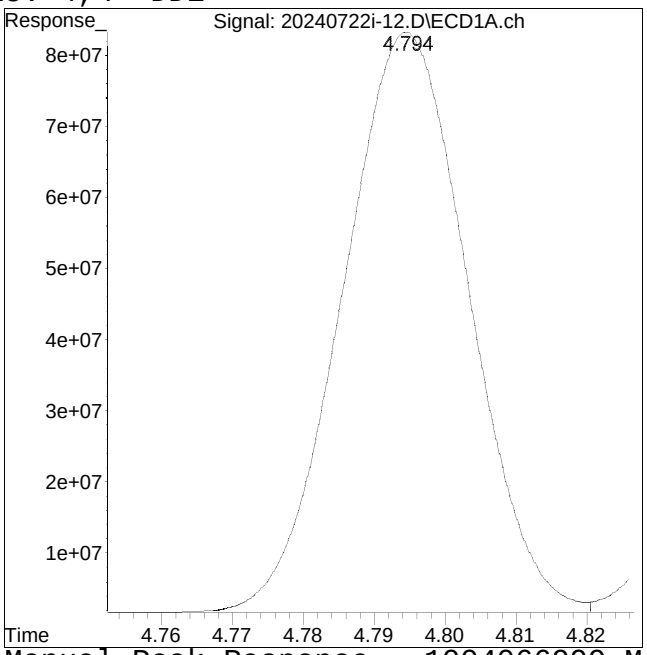
Original Peak Response = 1441825644 Manual Peak Response = 1440517361 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #15: 4,4'-DDE



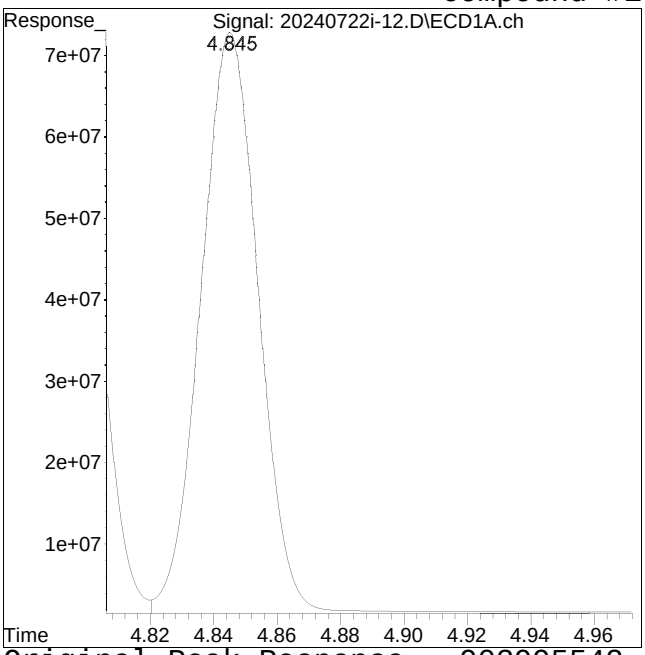


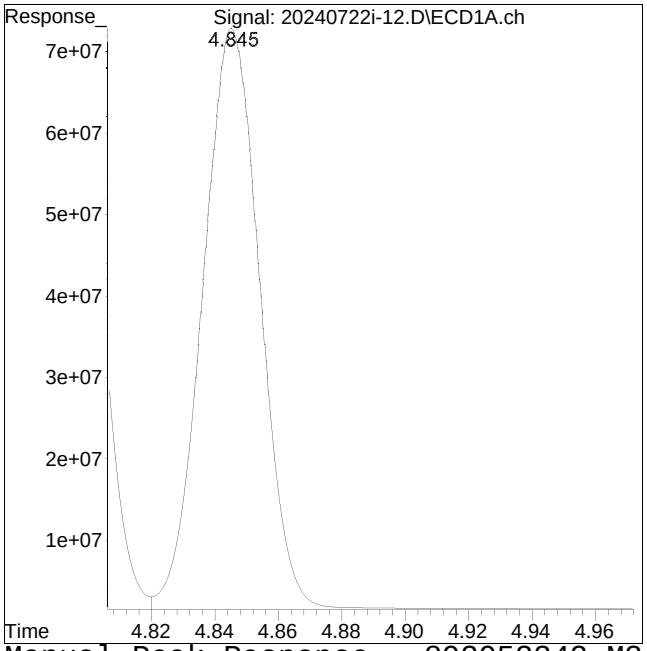
Original Peak Response = 1007394558 Manual Peak Response = 1004066999 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #16: Endosulfan I



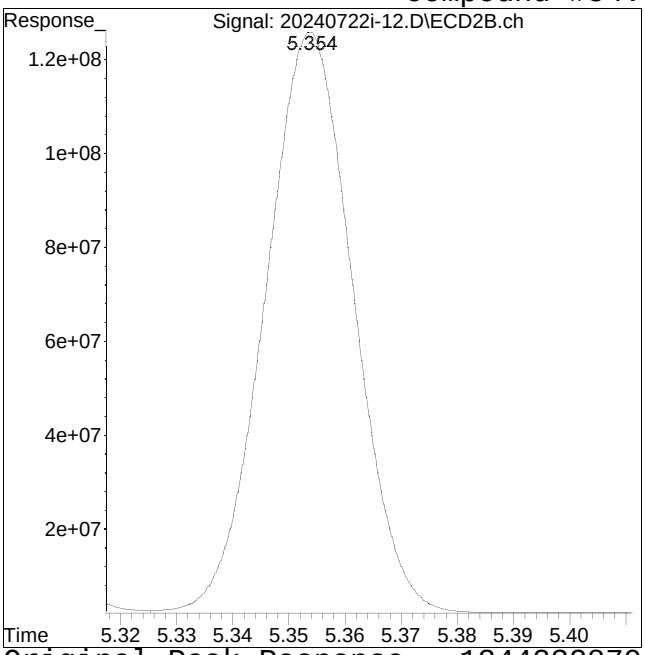


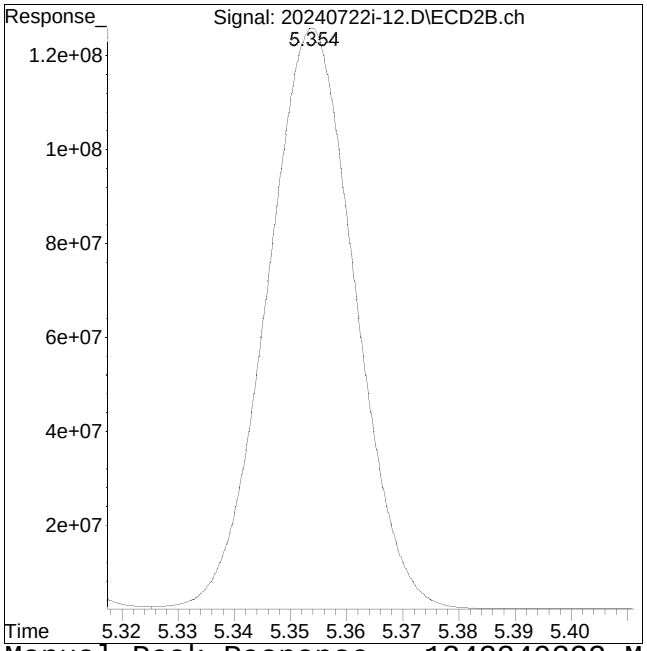
Original Peak Response = 903995542 Manual Peak Response = 892953342 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #54: Endosulfan I #2



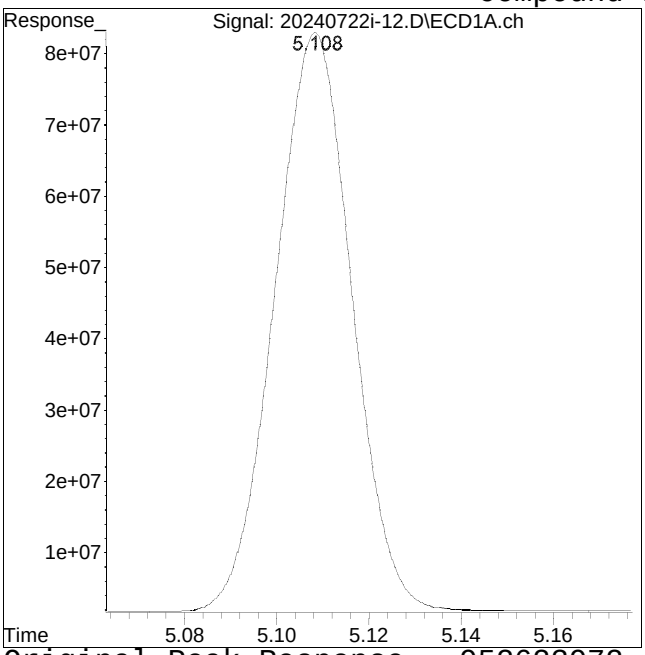


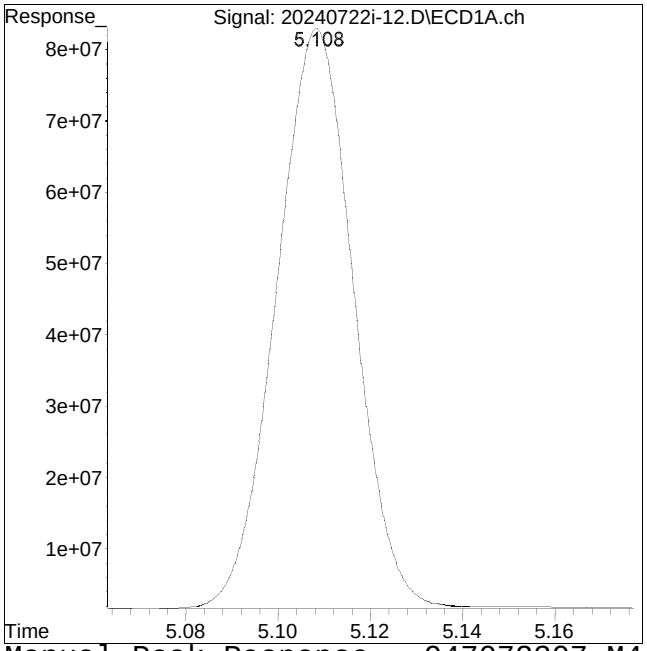
Original Peak Response = 1344232879 Manual Peak Response = 1343349333 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #17: Dieldrin



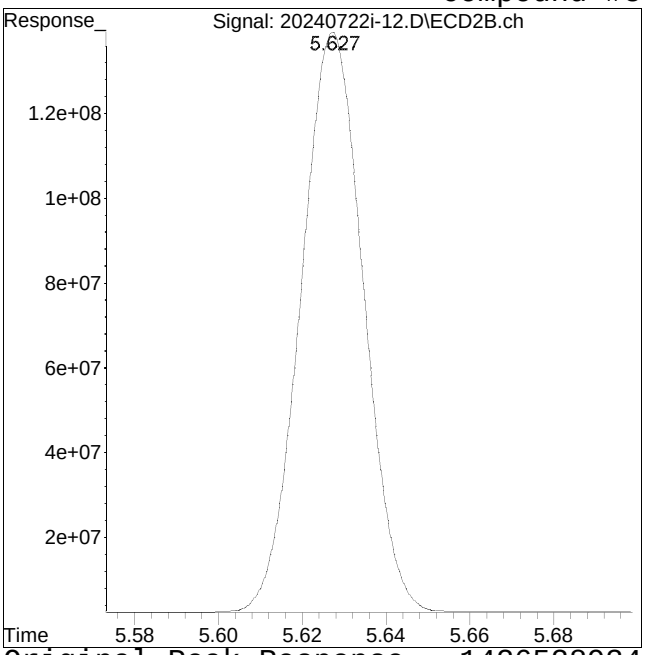


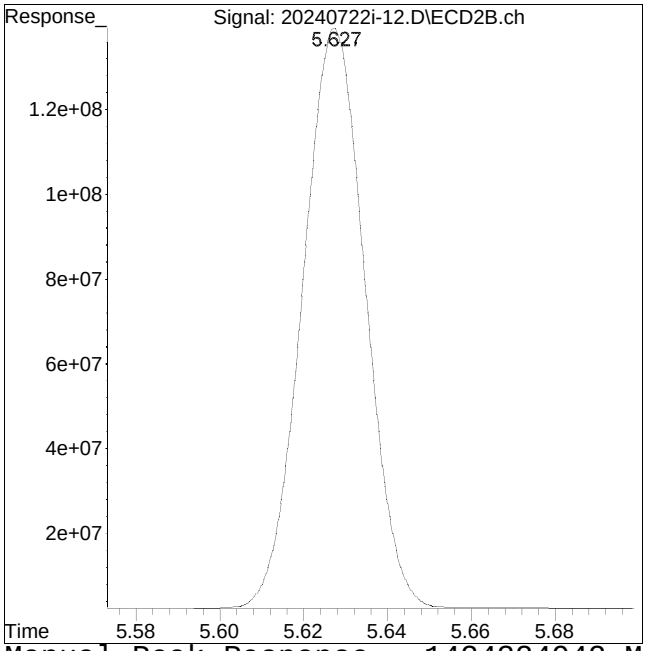
Original Peak Response = 952623972 Manual Peak Response = 947072307 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #55: Dieldrin #2



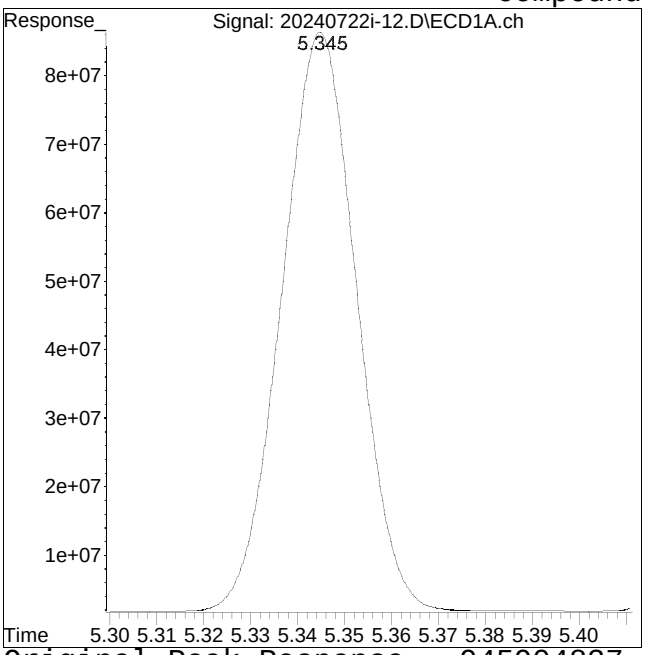


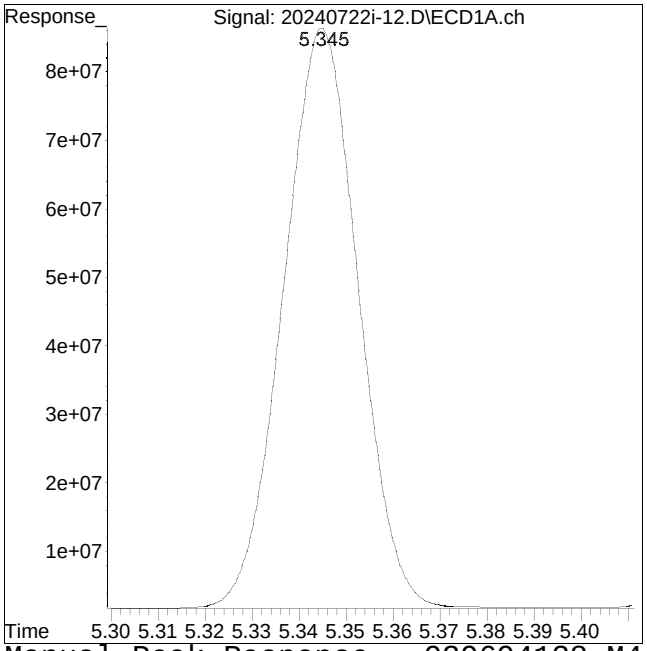
Original Peak Response = 1426528934 Manual Peak Response = 1424324942 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #18: Endrin



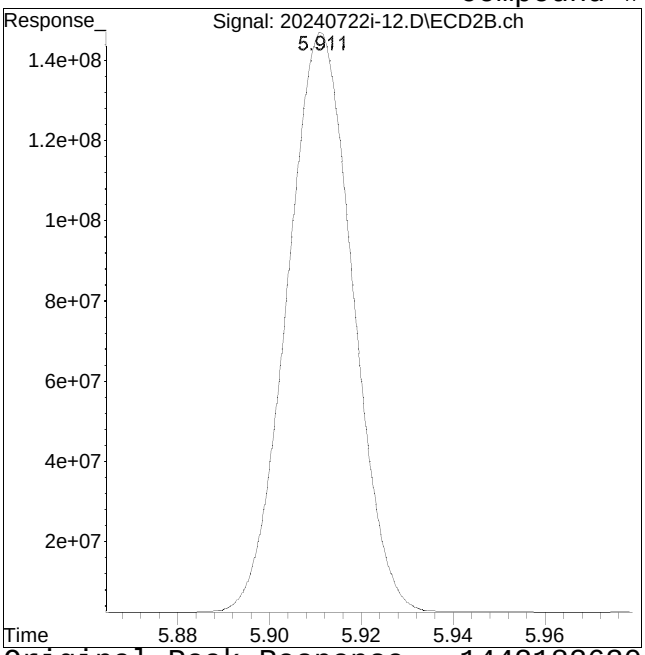


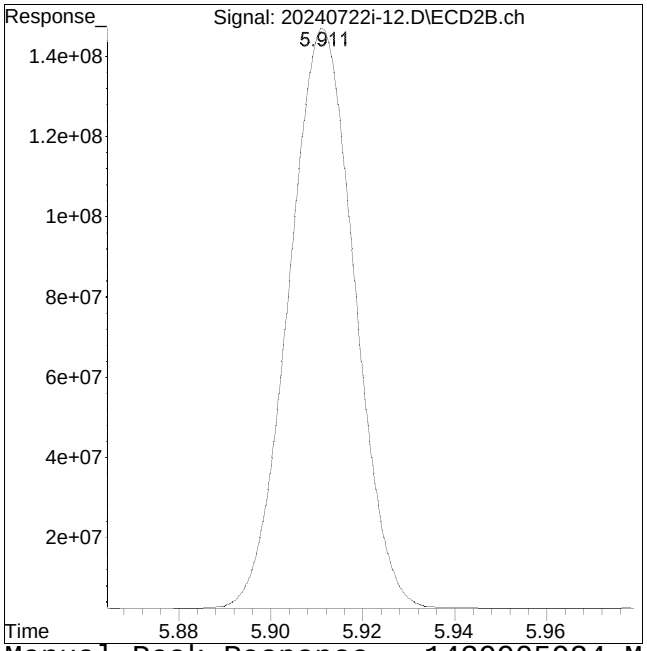
Original Peak Response = 945904837 Manual Peak Response = 939694138 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #56: Endrin #2



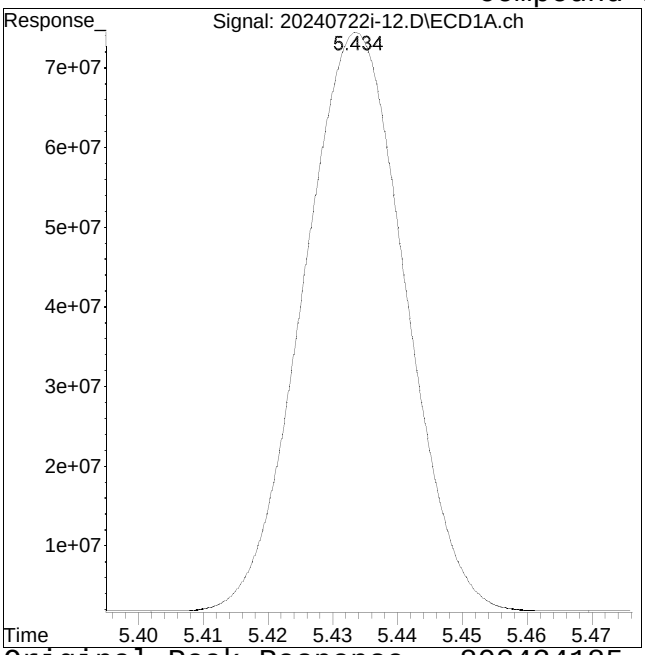


Original Peak Response = 1442183630 Manual Peak Response = 1439905924 M4
M4 = Poor automated baseline construction.

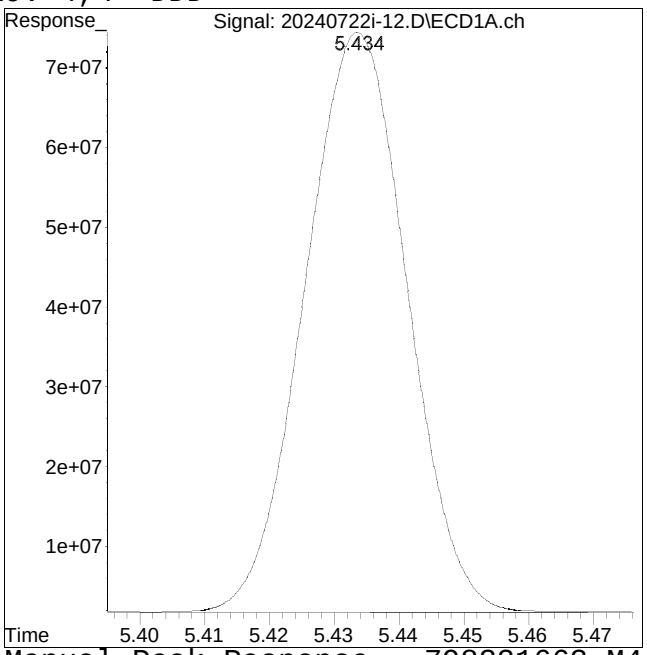
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #19: 4,4'-DDD



Original Peak Response = 803424185



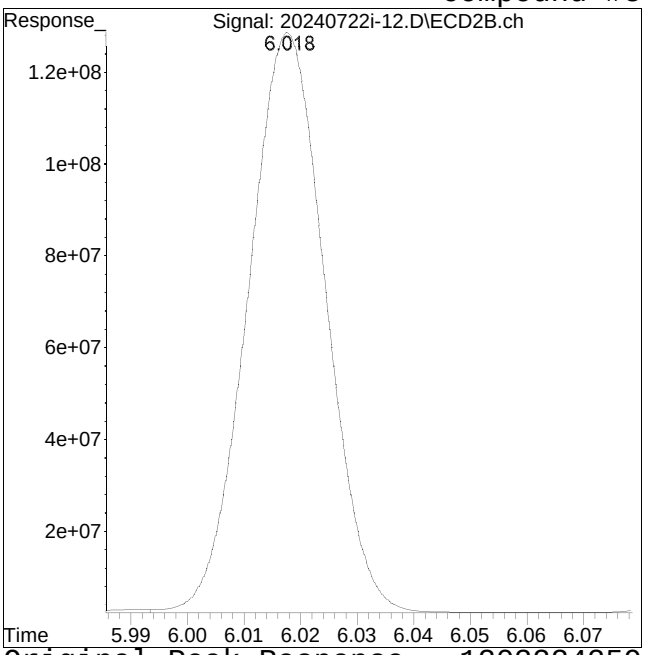
Manual Peak Response = 798321663 M4

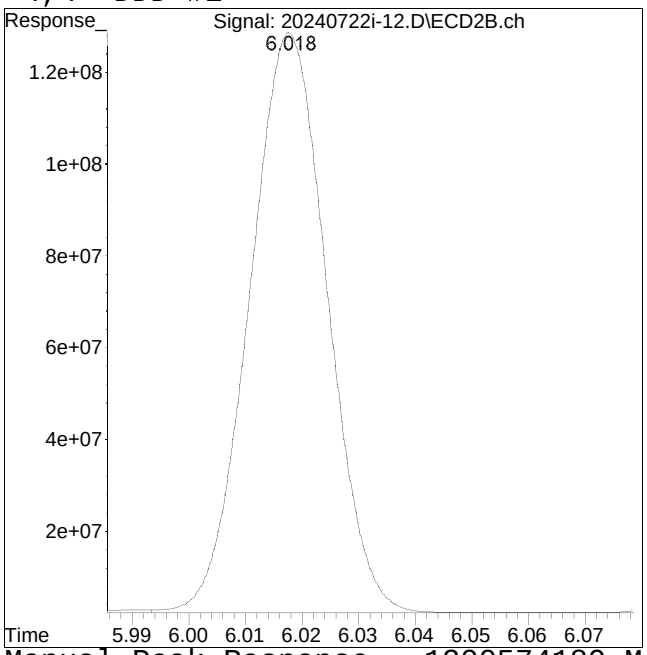
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #57: 4,4'-DDD #2



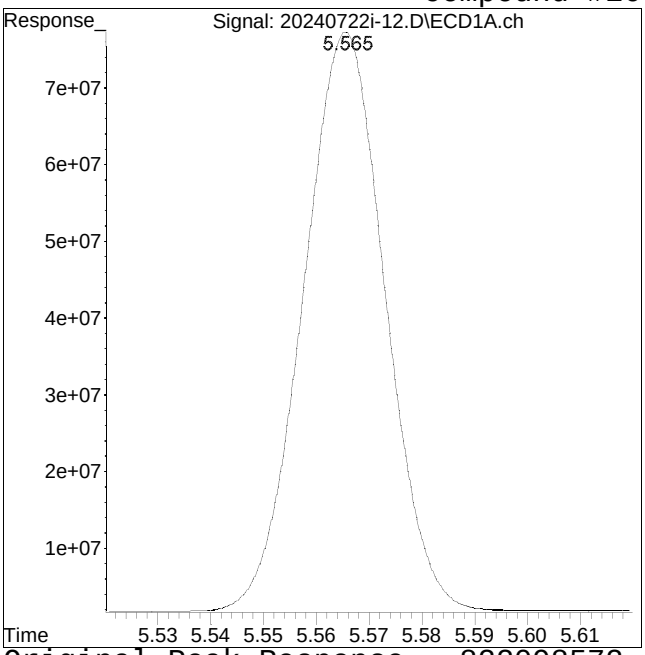


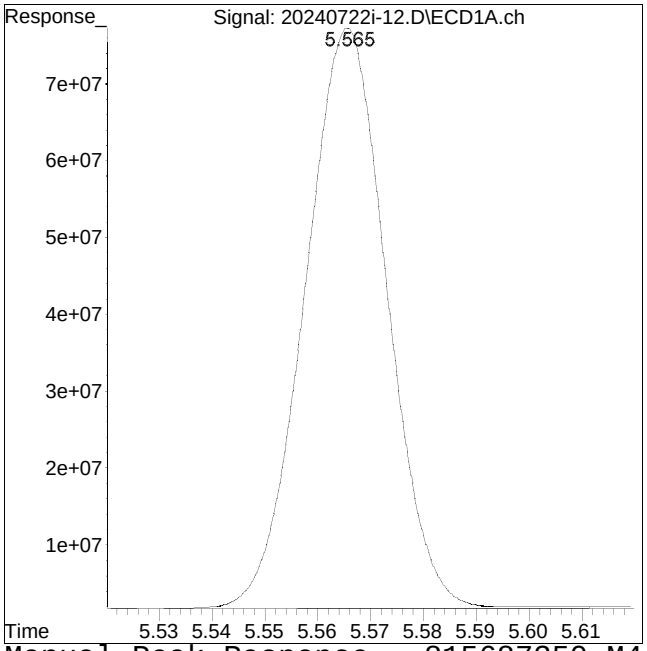
Original Peak Response = 1203224259 Manual Peak Response = 1200574189 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #20: Endosulfan II



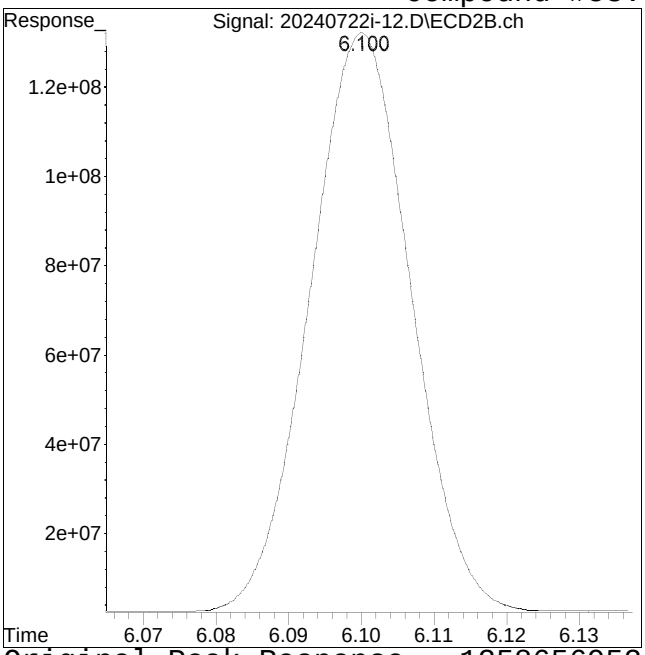


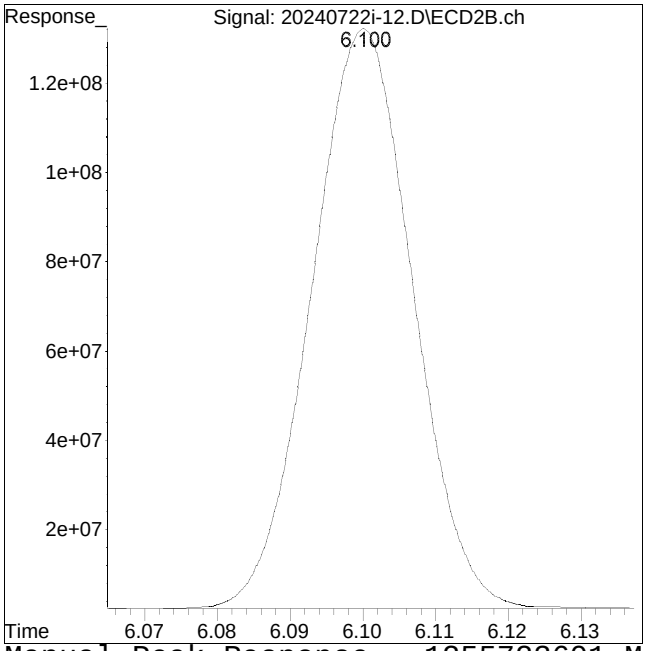
Original Peak Response = 822098572 Manual Peak Response = 815687350 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #58: Endosulfan II #2



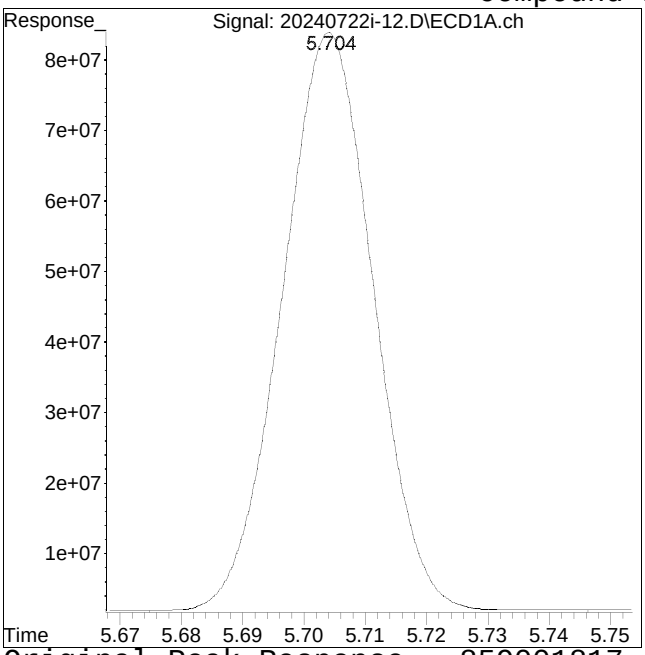


Original Peak Response = 1258656952 Manual Peak Response = 1255723601 M4
M4 = Poor automated baseline construction.

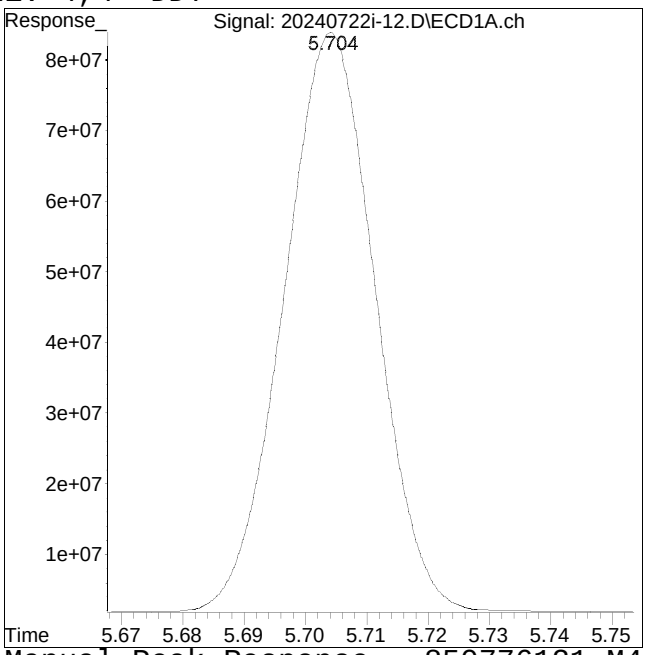
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #21: 4,4'-DDT



Original Peak Response = 859001817



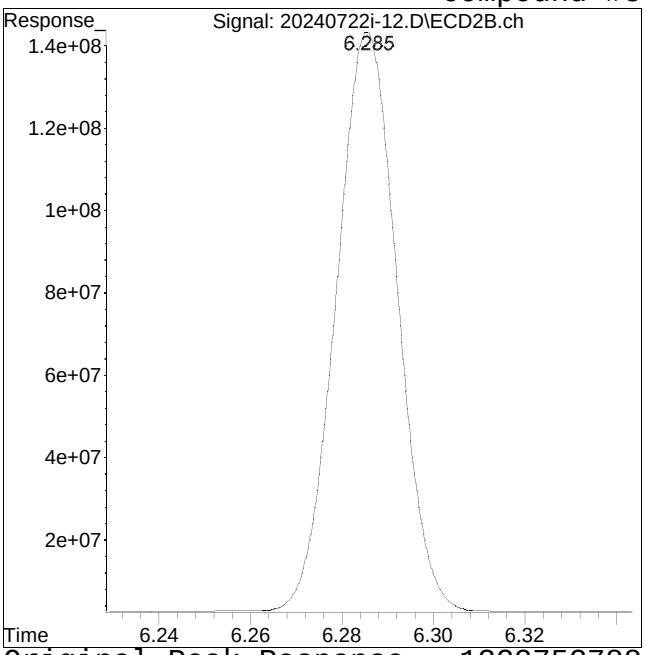
Manual Peak Response = 850776121 M4

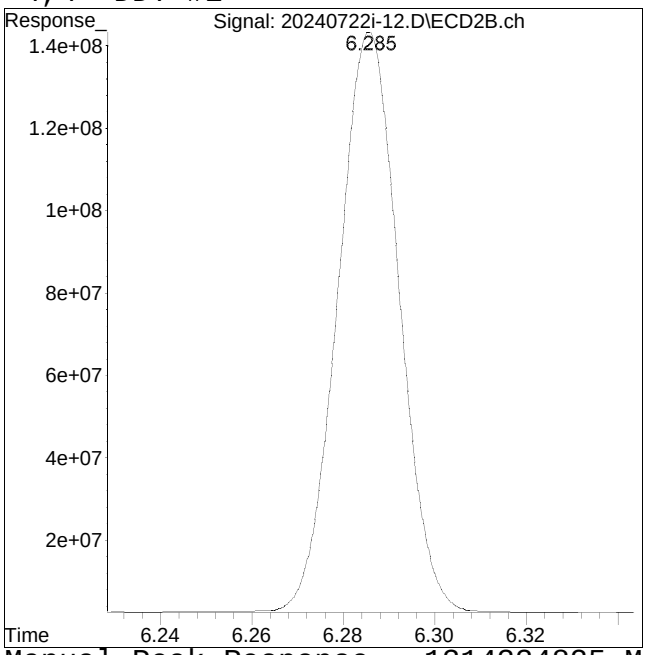
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #59: 4,4'-DDT #2



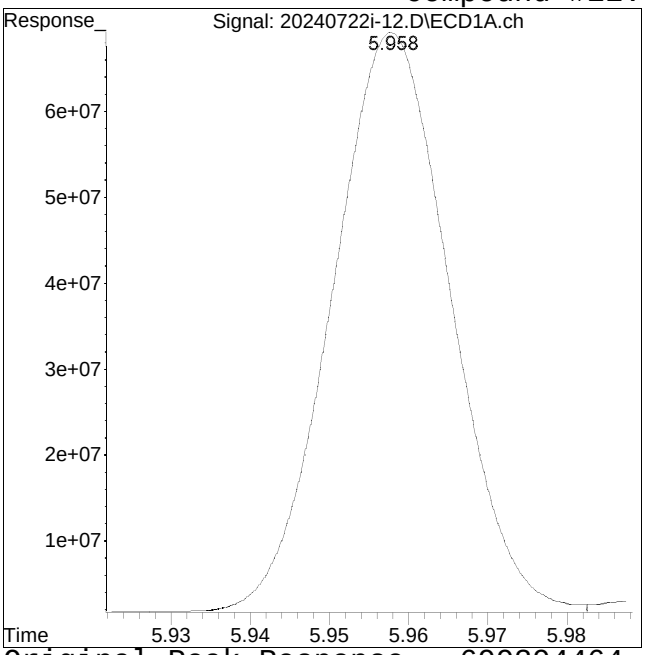


Original Peak Response = 1322752788 Manual Peak Response = 1314334825 M4
M4 = Poor automated baseline construction.

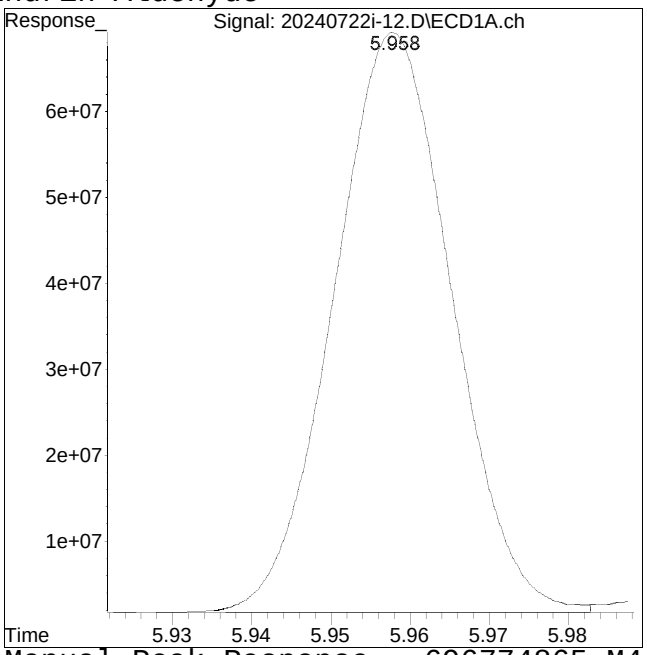
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 699394464



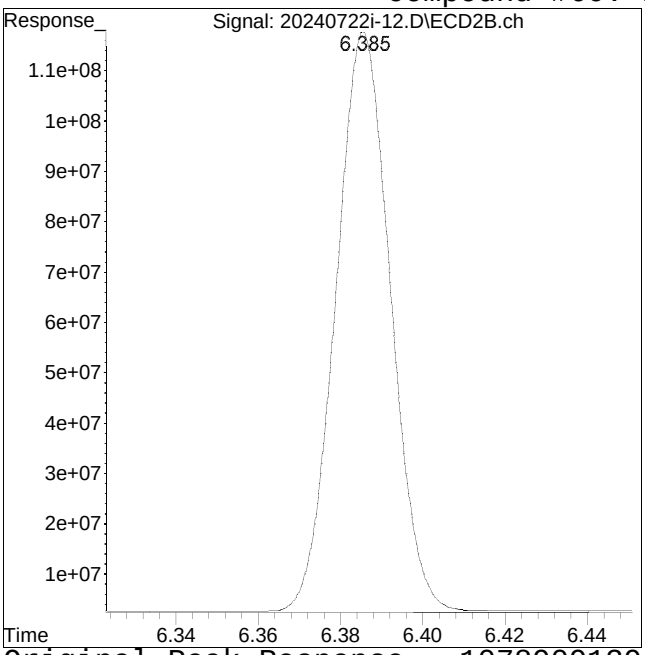
Manual Peak Response = 696774865 M4

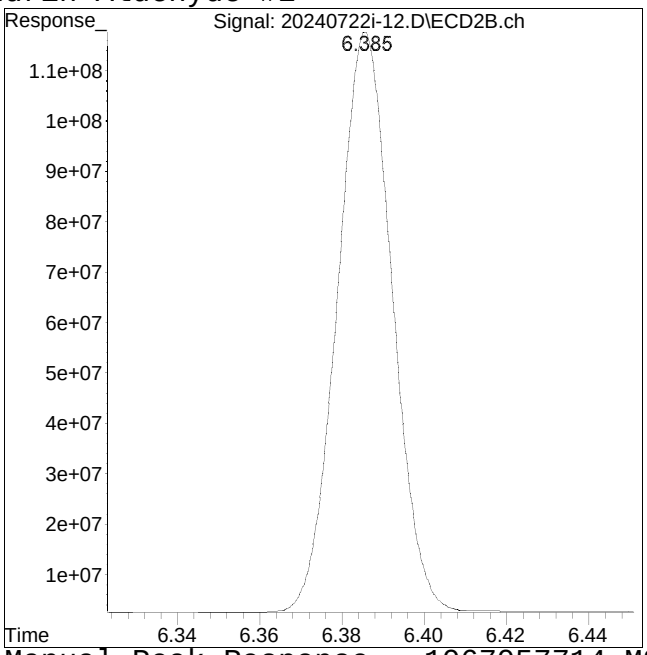
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #60: Endrin Aldehyde #2



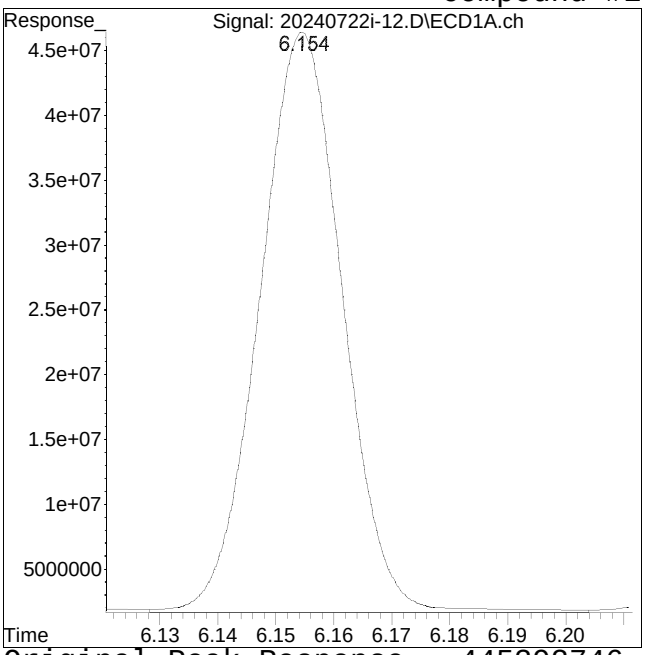


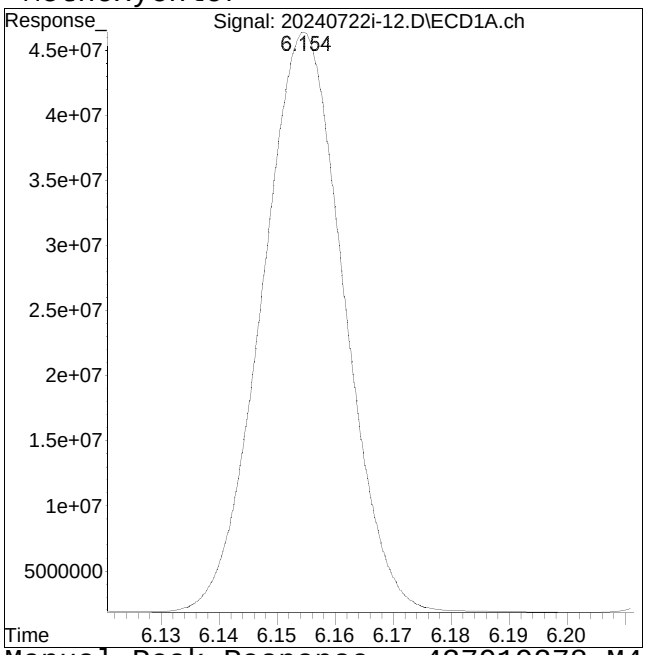
Original Peak Response = 1078909139 Manual Peak Response = 1067057714 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #23: Methoxychlor



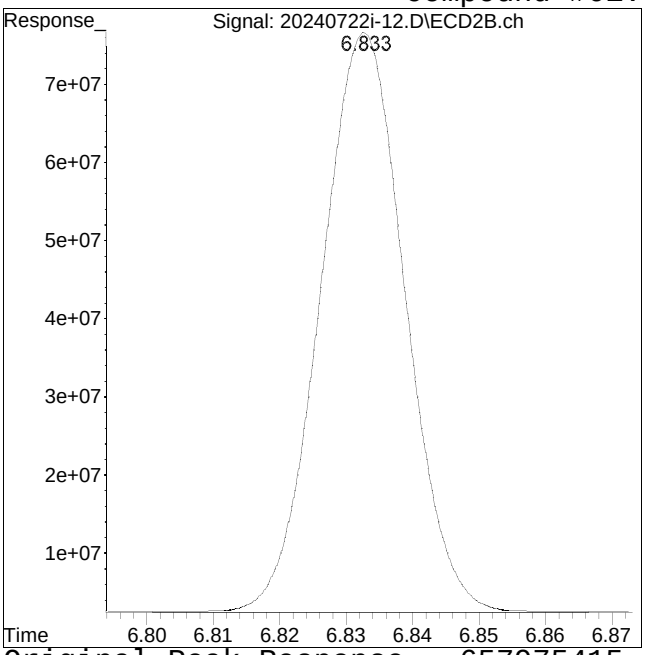


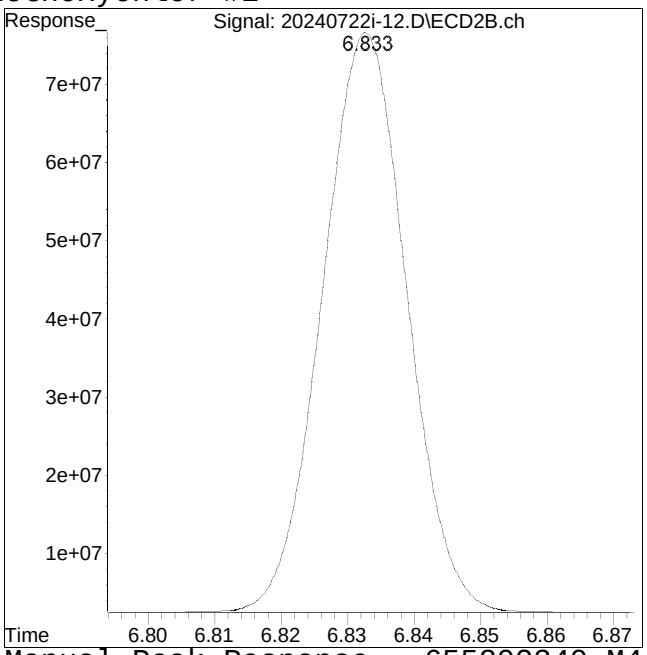
Original Peak Response = 445392746 Manual Peak Response = 437919278 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #61: Methoxychlor #2



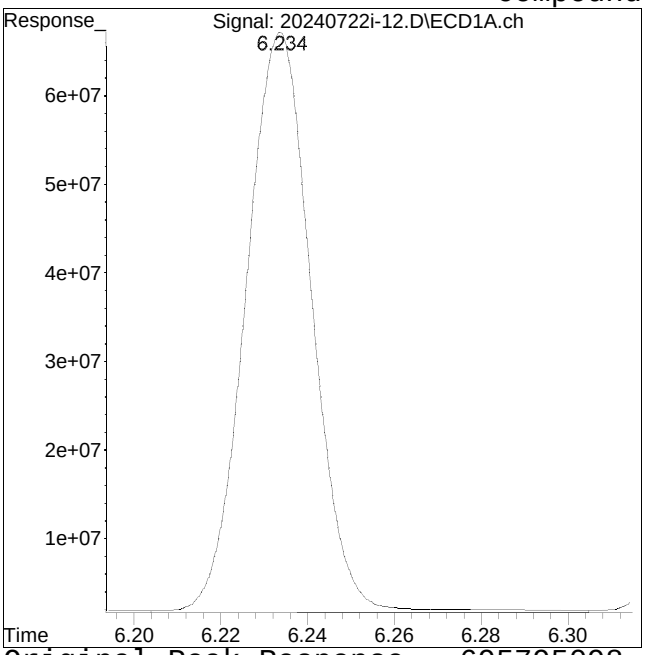


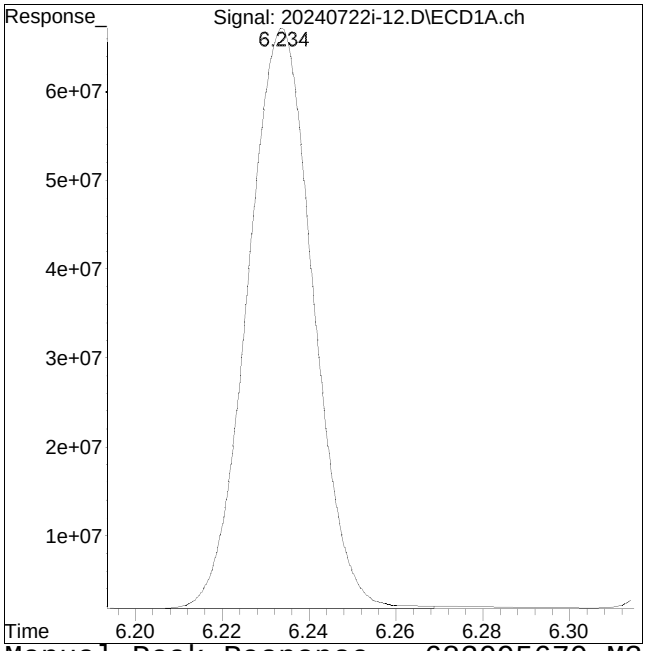
Original Peak Response = 657975415 Manual Peak Response = 655202340 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #24: Mirex



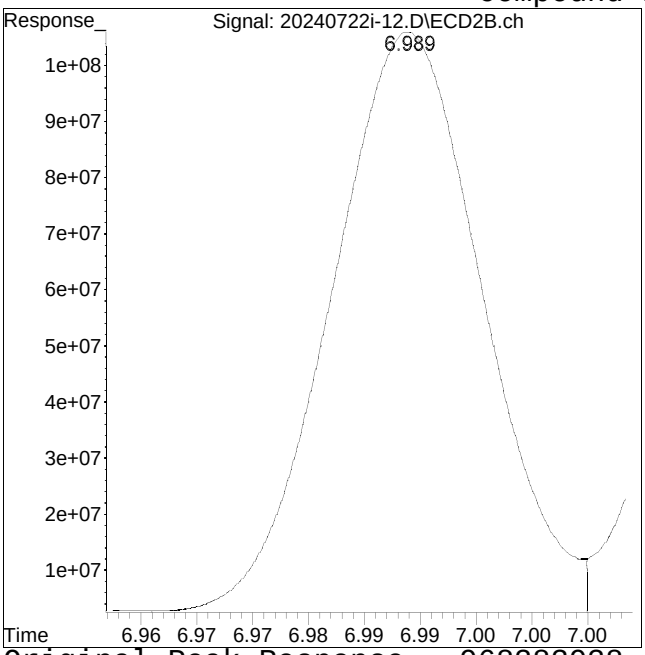


Original Peak Response = 695795098 Manual Peak Response = 683095670 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

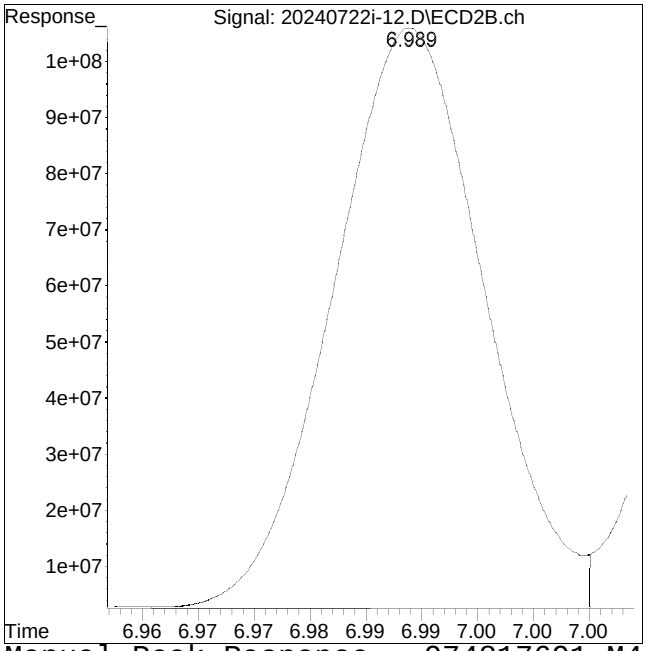
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #62: Mirex #2



Original Peak Response = 968383938



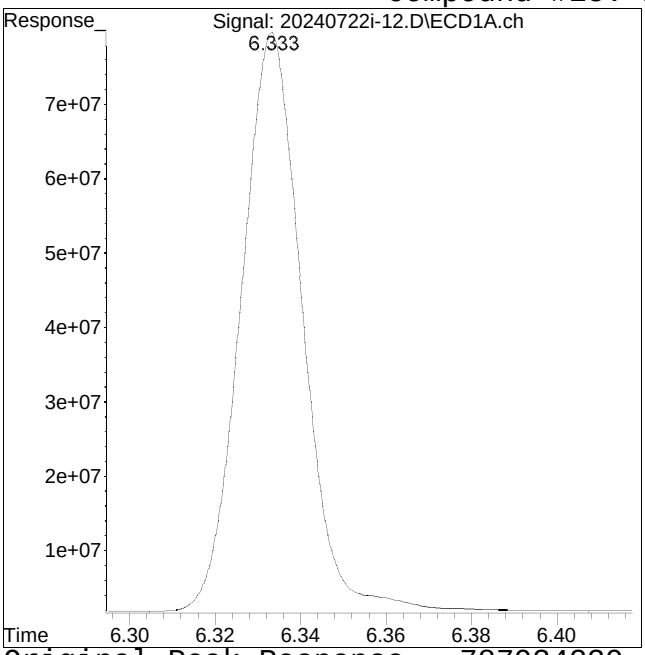
Manual Peak Response = 974817691 M4

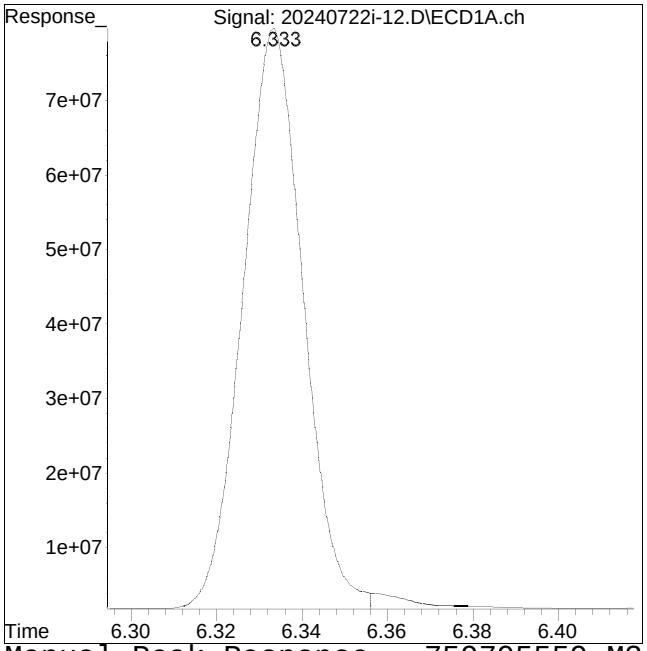
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #25: Endosulfan Sulfate



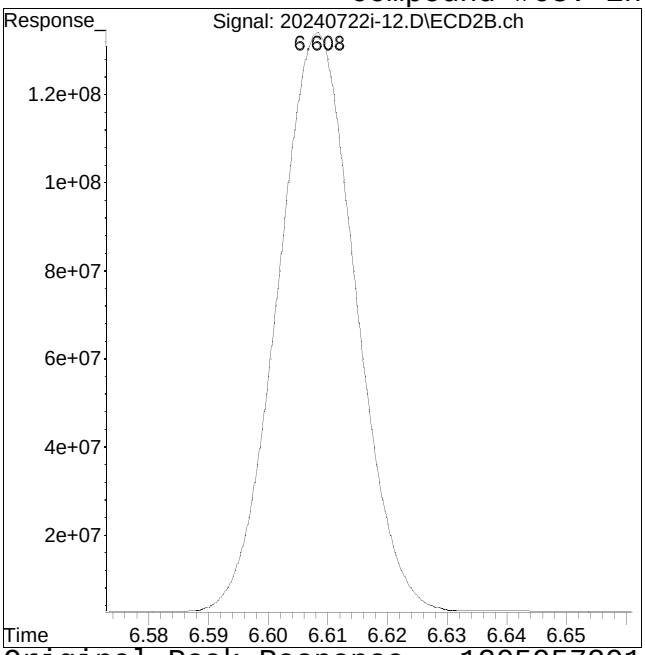


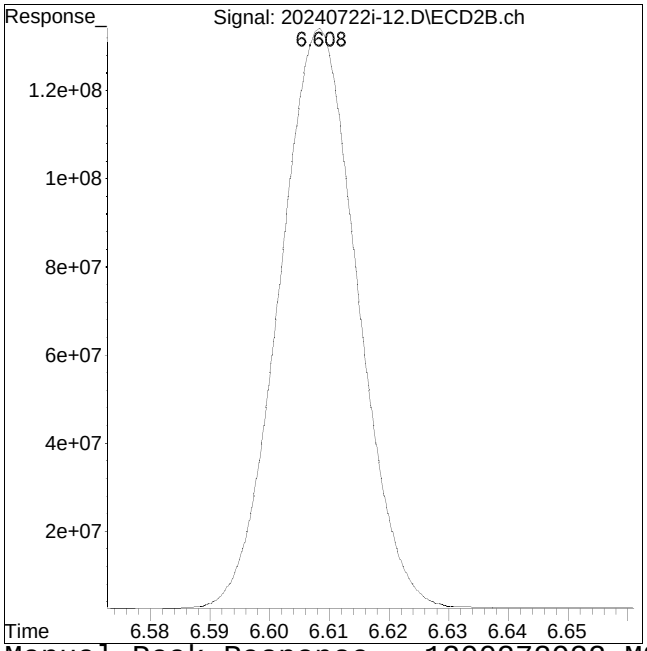
Original Peak Response = 787934239 Manual Peak Response = 759795559 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #63: Endosulfan Sulfate #2



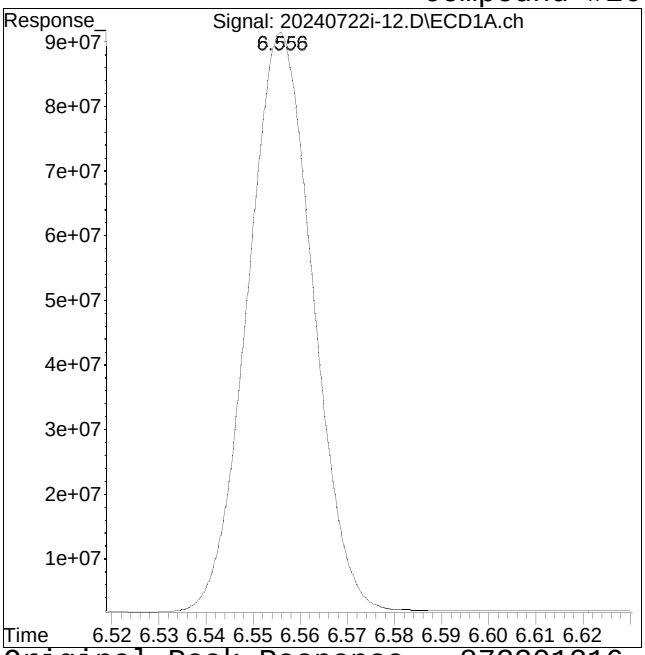


Original Peak Response = 1205957291 Manual Peak Response = 1200272932 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

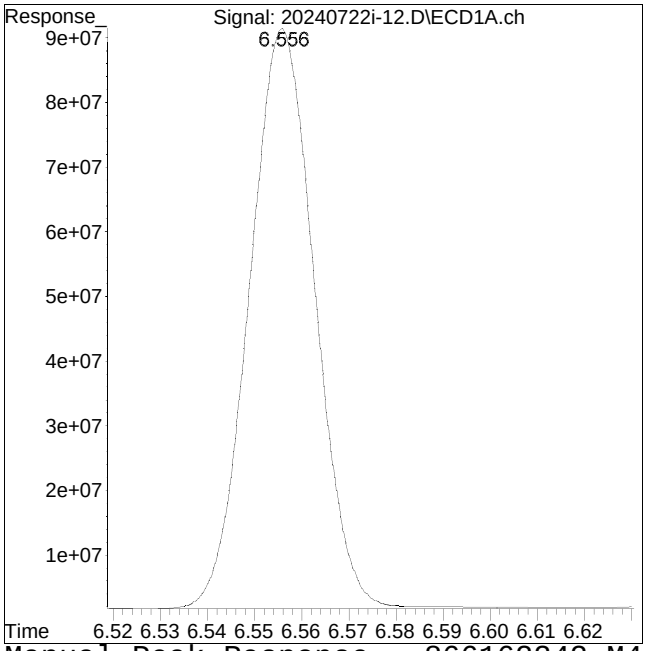
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-12.D
Date Inj'd : 7/22/2024 20:01
Sample : il11pest,42e,,pp 11678 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 12:56 pm

Compound #26: Endrin Ketone



Original Peak Response = 873301216



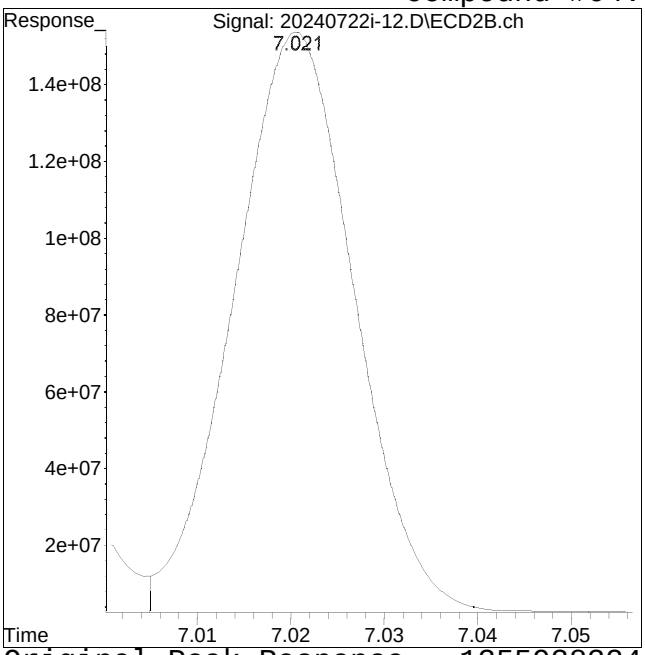
Manual Peak Response = 866162242 M4

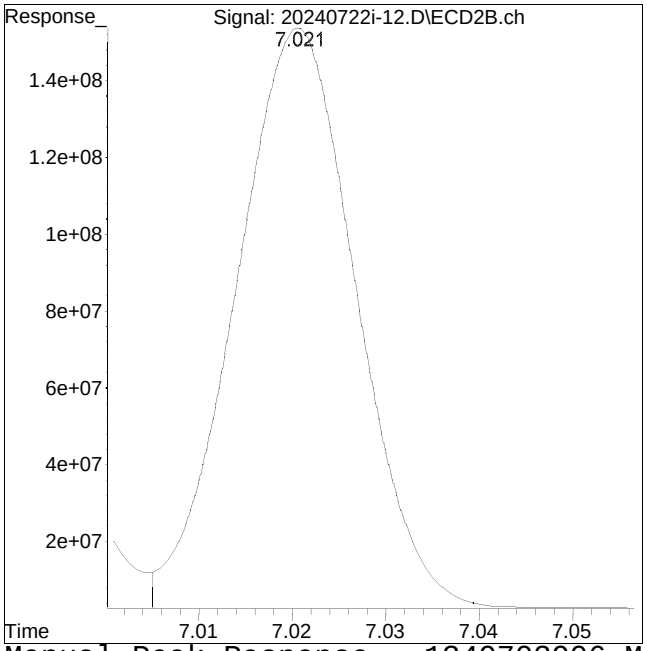
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #64: Endrin Ketone #2



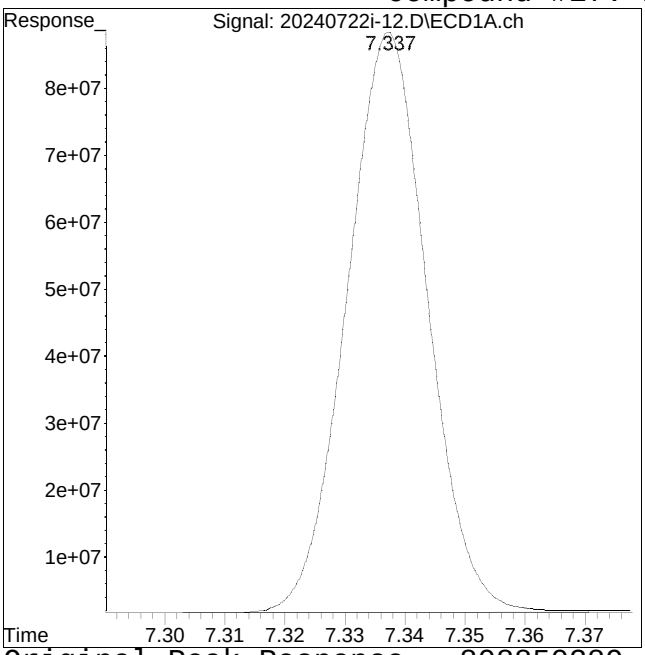


Original Peak Response = 1355938324 Manual Peak Response = 1349703906 M4
M4 = Poor automated baseline construction.

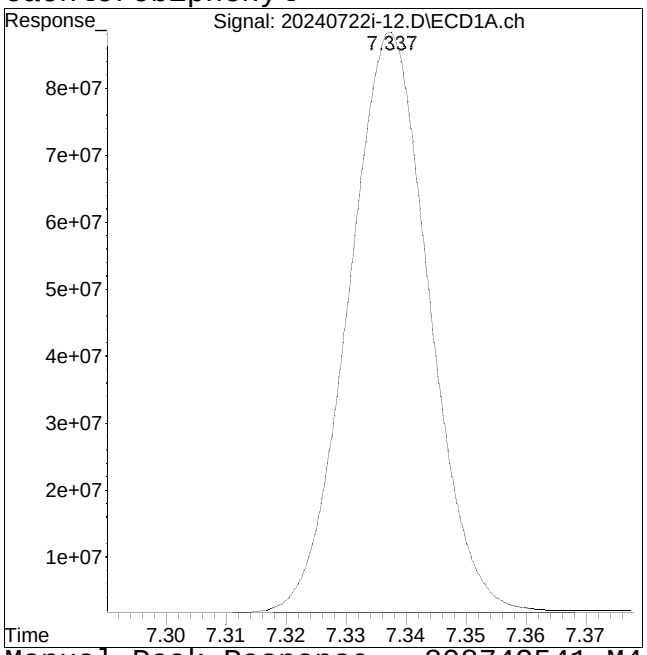
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-12.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:01 Instrument : PEST 20
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 7/23/2024 12:56 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 808850389



Manual Peak Response = 808742541 M4

M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 22 Jul 2024 20:13
Operator : pest20:ejl
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1950439,
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:12:29 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:12:29 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	98	0.02
2	s	2,4,5,6-Tetrachloro-m-xylen	*	50.000	52.890	-5.8	97	0.02
3		Hexachlorobenzene	*	50.000	53.212	-6.4	97	0.02
4		alpha-BHC		1.586	1.508	4.9	95	0.02
5		gamma-BHC (lindane)		1.529	1.351	11.6	94	0.02
6		beta-BHC	*	50.000	52.317	-4.6	95	0.02
7		delta-BHC		1.478	1.321	10.6	92	0.02
8		Heptachlor		1.494	1.335	10.6	96	0.02
9		Aldrin		1.394	1.301	6.7	97	0.02
10		Alachlor	*	50.000	55.202	-10.4	96	0.02
11		Chlorpyrifos	*	50.000	53.969	-7.9	96	0.02
12		Heptachlor Epoxide		1.349	1.183	12.3	95	0.02
13		gamma-Chlordane (trans)	*	50.000	56.188	-12.4	106	0.02
14		alpha-Chlordane (cis)	*	50.000	49.714	0.6	93	0.02
15		4,4'-DDE		1.333	1.196	10.3	92	0.02
16		Endosulfan I		1.261	1.101	12.7	93	0.02
17		Dieldrin		1.315	1.228	6.6	100	0.02
18		Endrin		1.292	1.136	12.1	92	0.02
19		4,4'-DDD		1.086	1.011	6.9	97	0.02
20		Endosulfan II		1.175	1.033	12.1	94	0.02
21		4,4'-DDT	*	50.000	49.061	1.9	91	0.02
22		Endrin Aldehyde	*	50.000	45.620	8.8	84	0.02
23		Methoxychlor	*	50.000	53.417	-6.8	93	0.02
24		Mirex	*	50.000	52.753	-5.5	94	0.02
25		Endosulfan Sulfate	*	50.000	49.954	0.1	94	0.02
26		Endrin Ketone		1.275	1.154	9.5	97	0.02
27	s	Decachlorobiphenyl	*	50.000	50.862	-1.7	94	0.02

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 22 Jul 2024 20:13
Operator : pest20:ejl
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1950439,
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:12:29 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:12:29 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	98	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.223	1.132	7.4	96	0.00
3		Hexachlorobenzene	*	50.000	52.175	-4.3	97	0.00
4		alpha-BHC		1.533	1.482	3.3	94	0.00
5		gamma-BHC (lindane)		1.477	1.334	9.7	93	0.00
6		beta-BHC	*	50.000	50.212	-0.4	94	0.00
7		delta-BHC		1.443	1.308	9.4	91	0.00
8		Heptachlor		1.403	1.269	9.6	95	0.00
9		Aldrin		1.268	1.195	5.8	95	0.00
10		Alachlor	*	50.000	54.281	-8.6	97	0.00
11		Chlorpyrifos	*	50.000	52.365	-4.7	95	0.00
12		Heptachlor Epoxide		1.268	1.115	12.1	93	0.00
13		gamma-Chlordane (trans)		1.090	1.119	-2.7	106	0.00
14		alpha-Chlordane (cis)		1.237	1.098	11.2	93	0.00
15		4,4'-DDE		1.193	1.074	10.0	91	0.00
16		Endosulfan I		1.153	1.020	11.5	93	0.00
17		Dieldrin		1.161	1.132	2.5	100	0.00
18		Endrin		1.185	1.054	11.1	91	0.00
19		4,4'-DDD		0.979	0.918	6.2	95	0.00
20		Endosulfan II		1.098	0.974	11.3	94	0.00
21		4,4'-DDT		1.110	0.971	12.5	90	0.00
22		Endrin Aldehyde	*	50.000	43.461	13.1	83	0.00
23		Methoxychlor	*	50.000	51.227	-2.5	92	0.00
24		Mirex	*	50.000	51.370	-2.7	93	0.00
25		Endosulfan Sulfate	*	50.000	48.446	3.1	93	0.00
26		Endrin Ketone		1.192	1.109	7.0	97	0.00
27	s	Decachlorobiphenyl	*	50.000	49.665	0.7	93	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 22 Jul 2024 20:13
Operator : pest20:ejl
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1950439,
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:12:29 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:12:29 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-2.01#
29	l1	chlordane-1	*	0.047	0.000	100.0#	0#	-3.44#
30	l1	chlordane-3	*	0.059	0.000	100.0#	0#	-3.92#
31	l1	chlordane-4	*	0.202	0.000	100.0#	0#	-4.54#
32	l1	chlordane-5	*	0.290	0.000	100.0#	0#	-4.68#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-2.01#
34	l2	toxaphene-1	*	0.043	0.000	100.0#	0#	-5.56#
35	l2	toxaphene-2	*	0.043	0.000	100.0#	0#	-6.07#
36	l2	toxaphene-4	*	0.030	0.000	100.0#	0#	-6.16#
37	l2	toxaphene-5	*	0.044	0.000	100.0#	0#	-6.24#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-2.06#
29	l1	chlordane-1	*	0.041	0.000	100.0#	0#	-3.77#
30	l1	chlordane-3	*	0.051	0.000	100.0#	0#	-4.43#
31	l1	chlordane-4	*	0.153	0.000	100.0#	0#	-5.14#
32	l1	chlordane-5	*	0.121	0.000	100.0#	0#	-5.30#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-2.06#
34	l2	toxaphene-1	*	0.023	0.000	100.0#	0#	-6.06#
35	l2	toxaphene-2	*	0.034	0.000	100.0#	0#	-6.09#
36	l2	toxaphene-4	*	0.039	0.000	100.0#	0#	-6.39#
37	l2	toxaphene-5	*	0.038	0.000	100.0#	0#	-6.79#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:13
Operator : pest20:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1950439,
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:12:29 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:12:29 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	2.028f	2.063	49755444	78622282	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.494f	2.663	115.2E6	178.1E6	52.890	46.279
	Spiked Amount 50.000	Range 30 - 150		Recovery =		105.78%	92.56%
27) s	Decachlorobi	7.357f	7.906	109.0E6	139.3E6	50.862	49.665
	Spiked Amount 50.000	Range 30 - 150		Recovery =		101.72%	99.33%
	Target Compounds						
3)	Hexachlorobe	2.761f	3.039	120.3E6	183.9E6	53.212	52.175
4)	alpha-BHC	2.883f	3.152	150.1E6	233.1E6	47.561	48.329
5)	gamma-BHC (l	3.127f	3.476	134.5E6	209.8E6	44.189	45.183
6)	beta-BHC	3.195f	3.551	64742861	99164577	52.317	50.212
7)	delta-BHC	3.345f	3.847	131.5E6	205.7E6	44.695	45.319
8)	Heptachlor	3.533f	3.917	132.8E6	199.5E6	44.677	45.227
9)	Aldrin	3.812f	4.268	129.5E6	187.9E6	46.650	47.116
10)	Alachlor	3.954f	4.141	21263587	28821121	55.202	54.281
11)	Chlorpyrifos	4.054f	4.524	62761635	97738918	53.969	52.365
12)	Heptachlor E	4.428f	4.929	117.7E6	175.3E6	43.862	43.948
13)	gamma-Chlord	4.565f	5.141	120.3E6	176.0E6	56.188	51.325
14)	alpha-Chlord	4.713f	5.296	119.0E6	172.7E6	49.714M3	44.399
15)	4,4'-DDE	4.816f	5.474	119.0E6	168.9E6	44.859	45.030
16)	Endosulfan I	4.866f	5.354	109.5E6	160.4E6	43.655	44.239
17)	Dieldrin	5.129f	5.627	122.2E6	177.9E6	46.683	48.736
18)	Endrin	5.366f	5.910	113.0E6	165.7E6	43.954	44.465M3
19)	4,4'-DDD	5.454f	6.018	100.6E6	144.4E6	46.537	46.890
20)	Endosulfan I	5.586f	6.100	102.8E6	153.1E6	43.938M3	44.364

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:13
Operator : pest20:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1950439,
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:12:29 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:12:29 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
21)	4,4'-DDT	5.725f	6.285	103.3E6	152.6E6	49.061	43.742M3
22)	Endrin Aldeh	5.979f	6.386	79127084	115.2E6	45.620	43.461
23)	Methoxychlor	6.175f	6.832	60331442	86612800	53.417M3	51.227
24)	Mirex	6.254f	6.989	92100105	127.7E6	52.753	51.370
25)	Endosulfan S	6.354f	6.608	97255778	147.2E6	49.954	48.446M4
26)	Endrin Keton	6.577f	7.020	114.8E6	174.3E6	45.224	46.513
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D.	N.D.
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

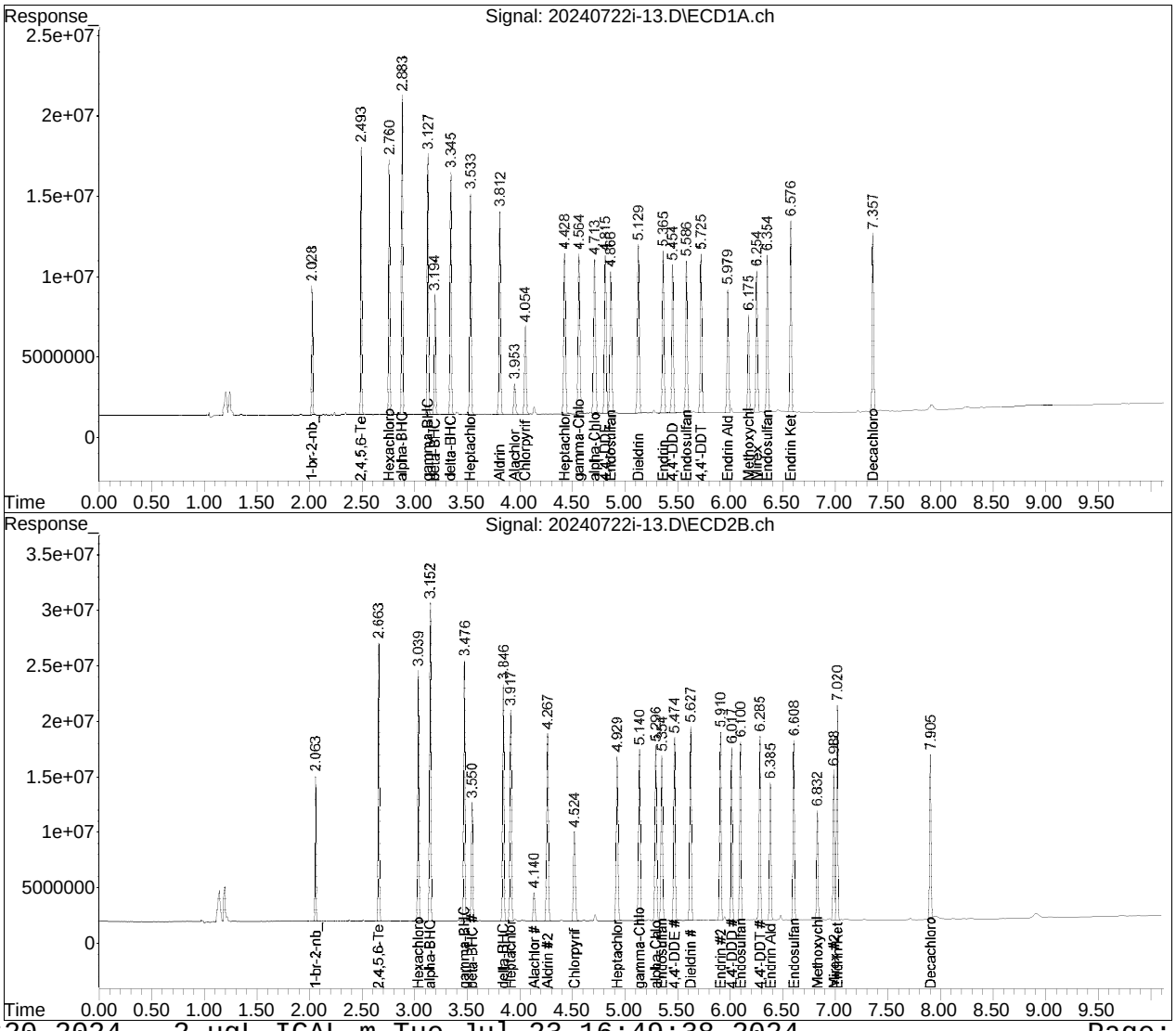
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:13
Operator : pest20:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1950439,
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:12:29 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:12:29 2024
Response via : Initial Calibration
Integrator: ChemStation

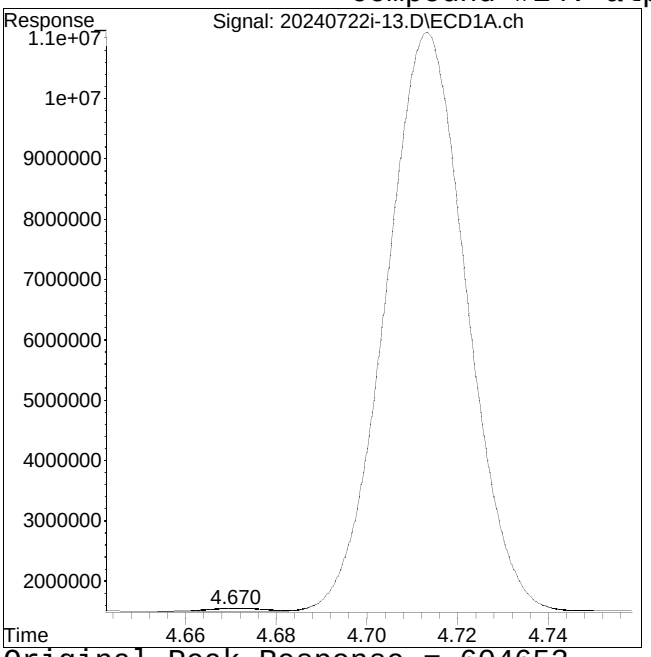
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

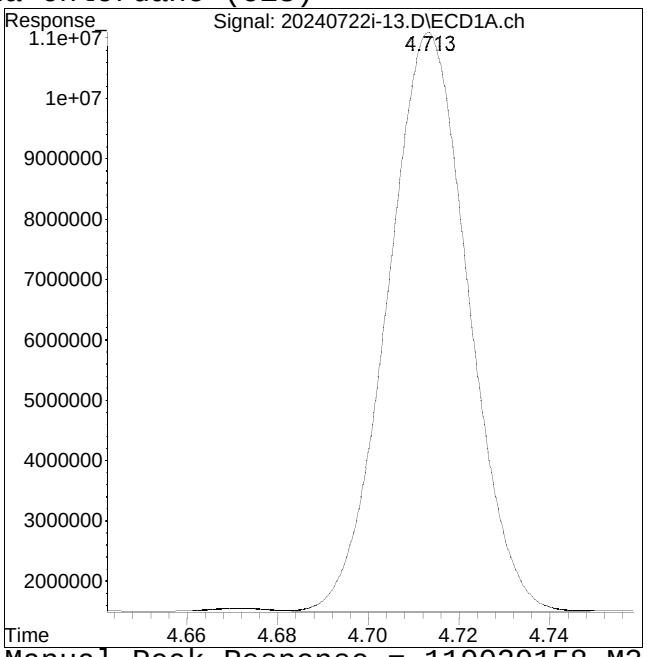


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-13.D
Date Inj'd : 7/22/2024 20:13
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:12 pm

Compound #14: alpha-Chlordane (cis)





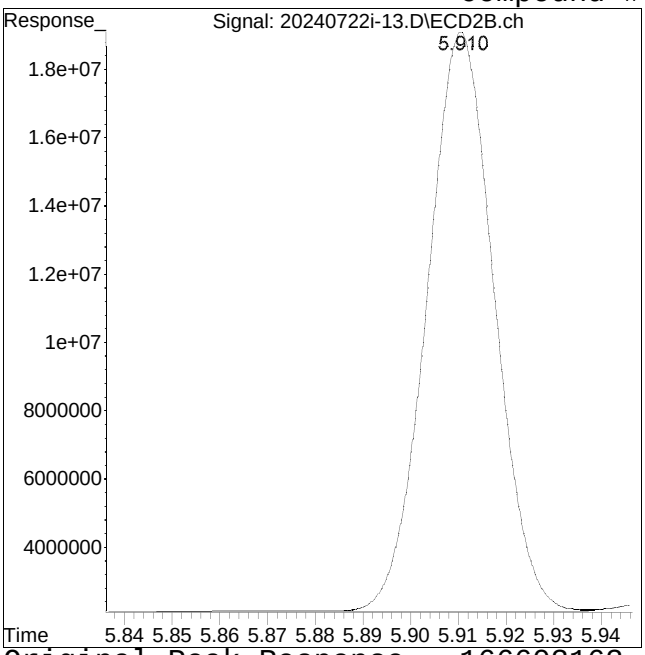
Original Peak Response = 604653 Manual Peak Response = 119029158 M3

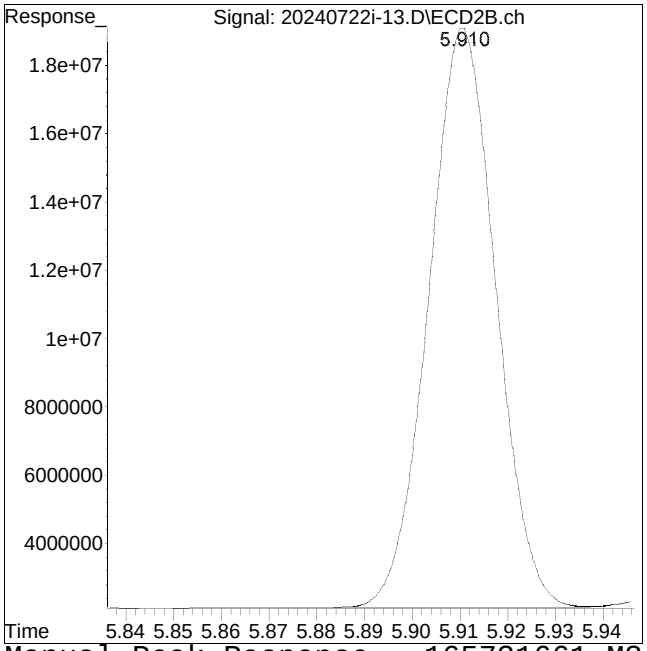
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-13.D
Date Inj'd : 7/22/2024 20:13
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:12 pm

Compound #56: Endrin #2



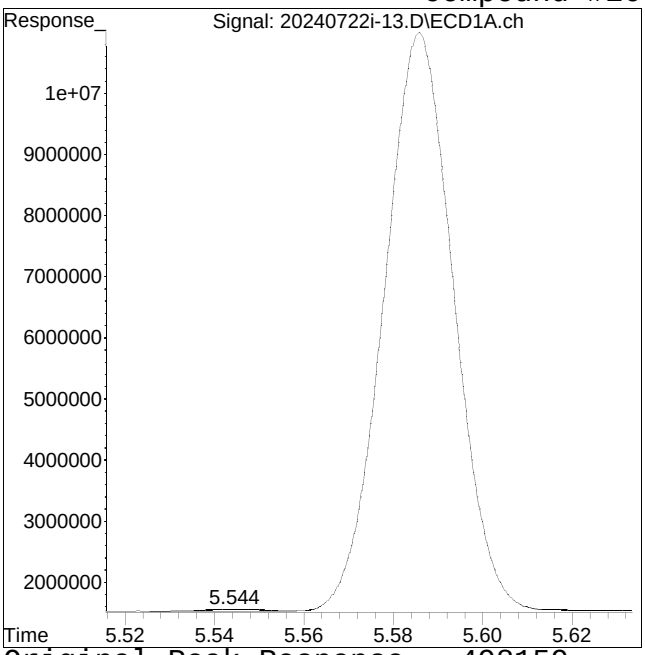


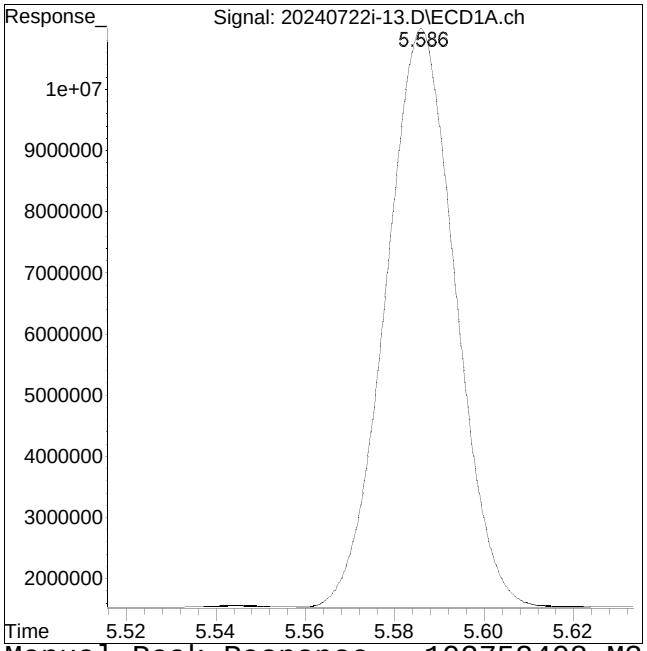
Original Peak Response = 166603163 Manual Peak Response = 165731661 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-13.D
Date Inj'd : 7/22/2024 20:13
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:12 pm

Compound #20: Endosulfan II





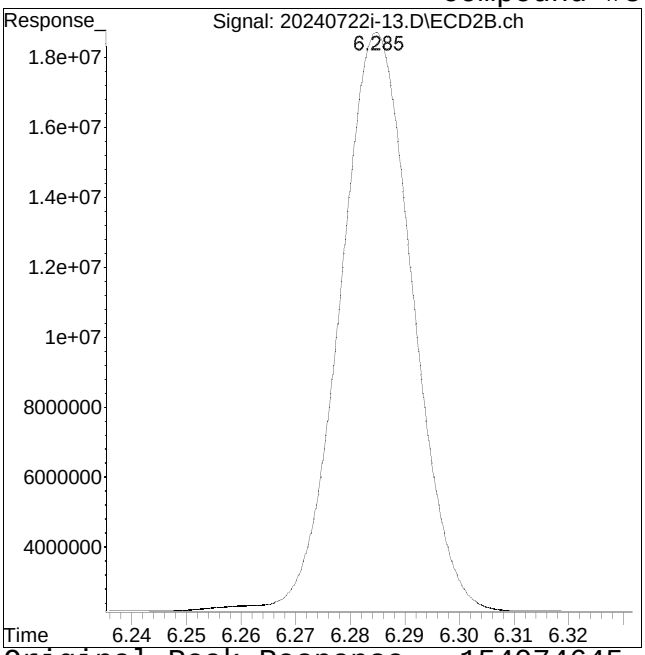
Original Peak Response = 498159 Manual Peak Response = 102752408 M3

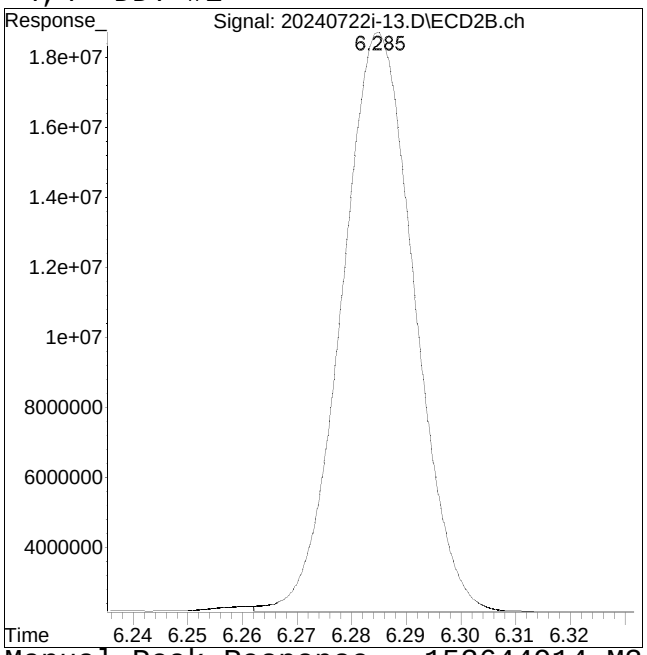
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-13.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:13 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/23/2024 2:12 pm

Compound #59: 4,4'-DDT #2



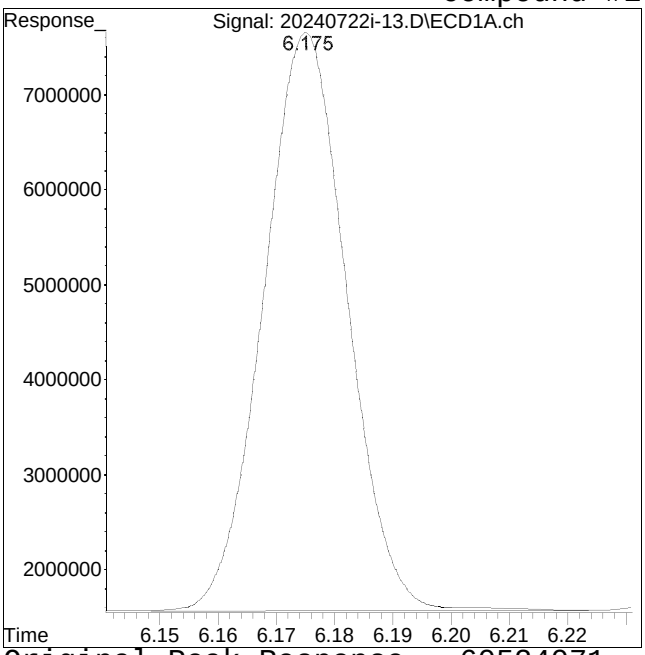


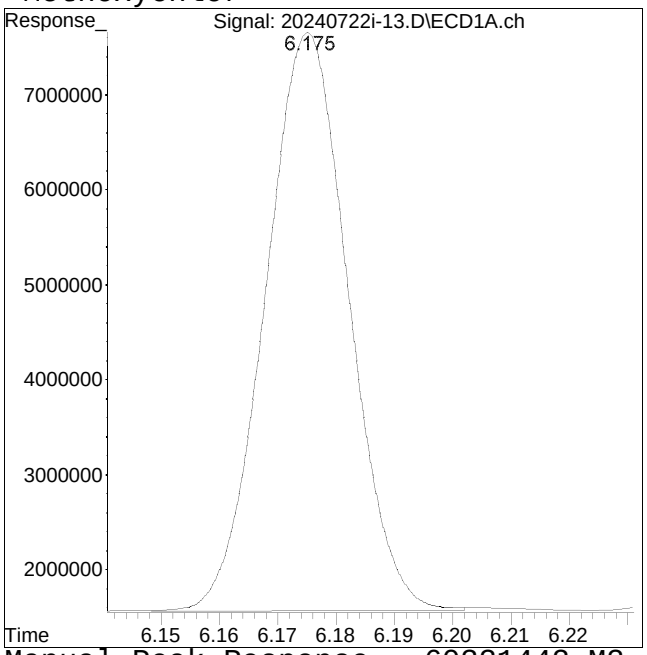
Original Peak Response = 154074645 Manual Peak Response = 152644914 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-13.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:13 Instrument : PEST 20
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 7/23/2024 2:12 pm

Compound #23: Methoxychlor



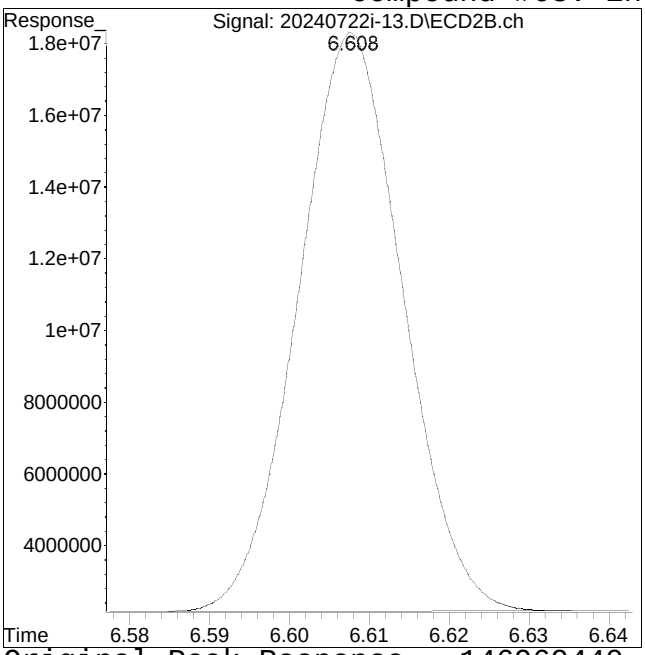


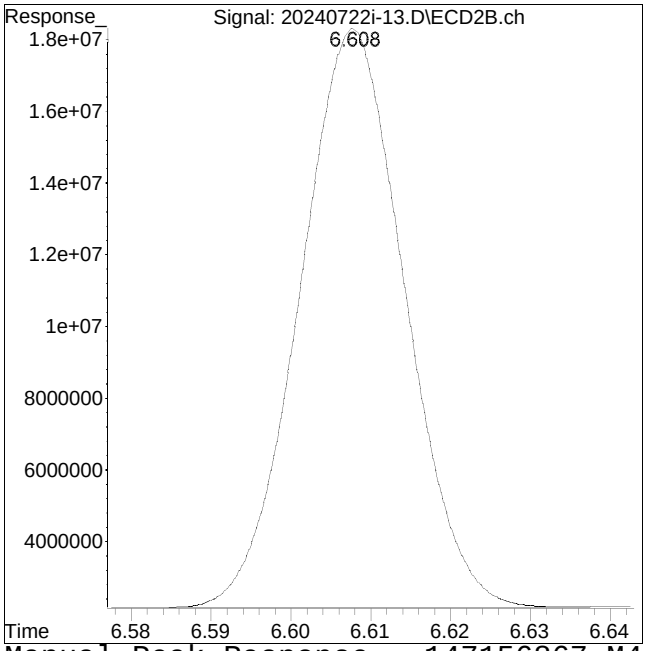
Original Peak Response = 60524071 Manual Peak Response = 60331442 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-13.D
Date Inj'd : 7/22/2024 20:13
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:12 pm

Compound #63: Endosulfan Sulfate #2





Original Peak Response = 146969440 Manual Peak Response = 147156867 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:26
Operator : pest20:ejl
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:21:55 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:21:46 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	2.007	2.063	51466490	81338537	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:26
Operator : pest20:ejl
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:21:55 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:21:46 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D.	N.D.
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29) l1	chlordane-1	3.441	3.768	1168509	1632123	13.114	13.475
30) l1	chlordane-3	3.921	4.433	1540373	2072270	13.895	14.028M4
31) l1	chlordane-4	4.542	5.141	6075511	6164982	16.599	13.653
32) l1	chlordane-5	4.679	5.296	7377194	4884542	13.303	13.738
Sum	chlordane-1			16161587	14753918	NoCal	NoCal D
Average	chlordane-1					14.228	13.723
34) l2	toxaphene-1	0.000	0.000	0	0	N.D.	N.D.
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

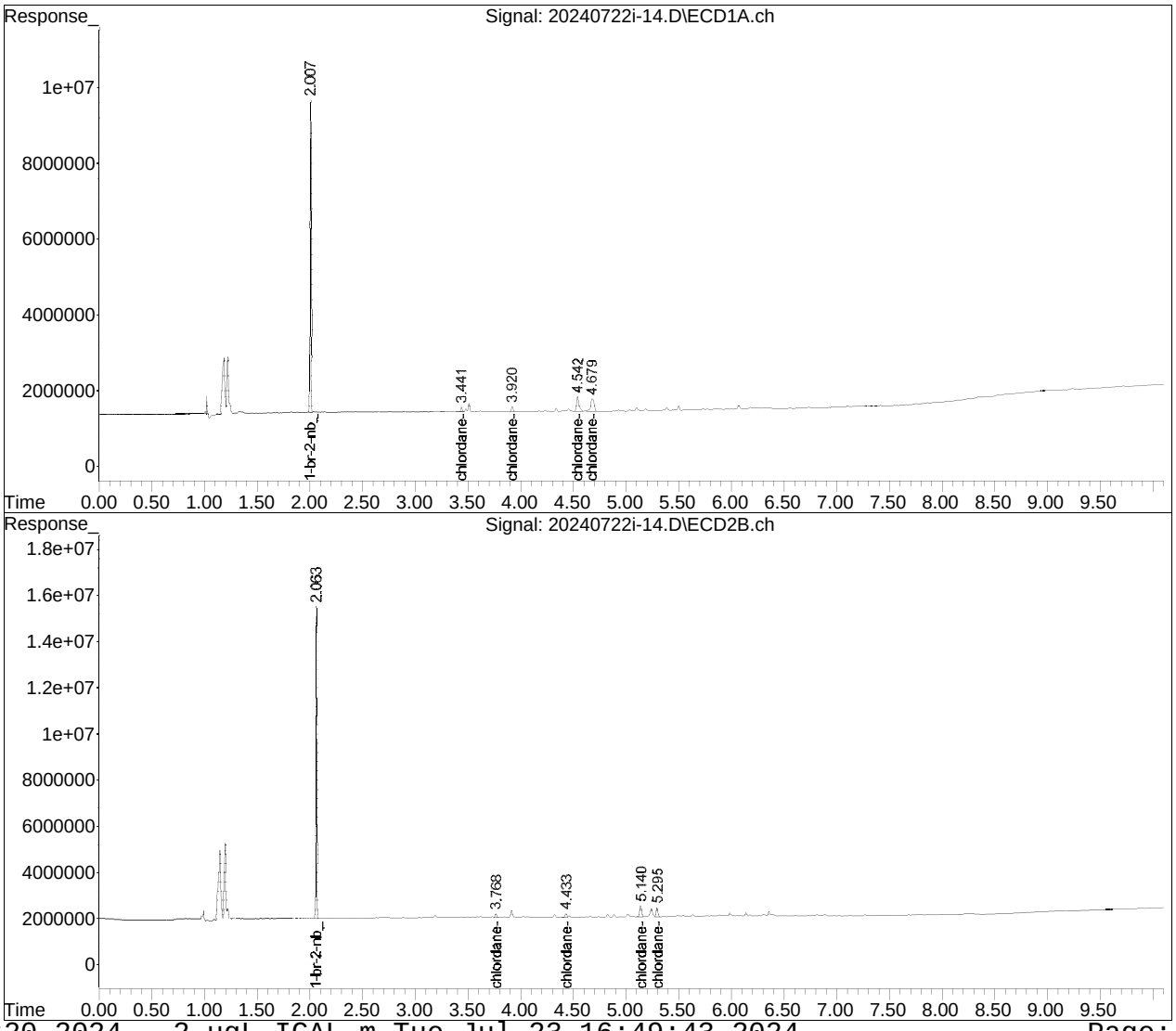
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:26
Operator : pest20:ejl
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:21:55 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:21:46 2024
Response via : Initial Calibration
Integrator: ChemStation

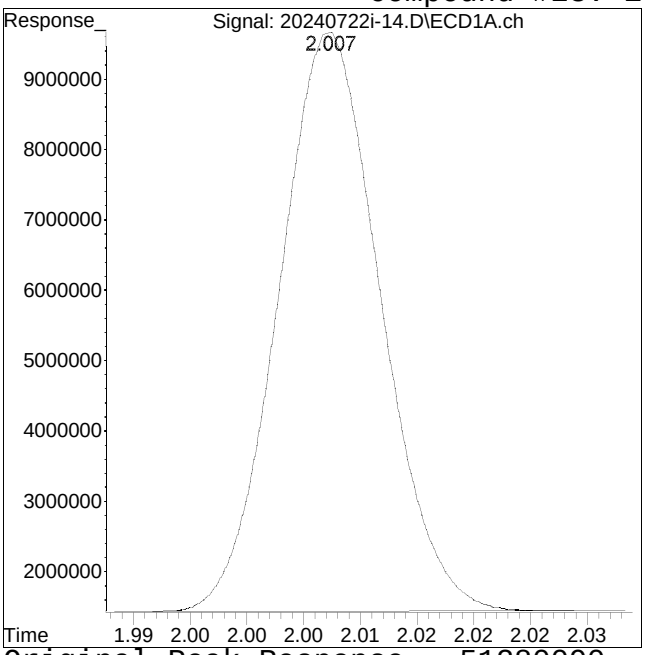
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



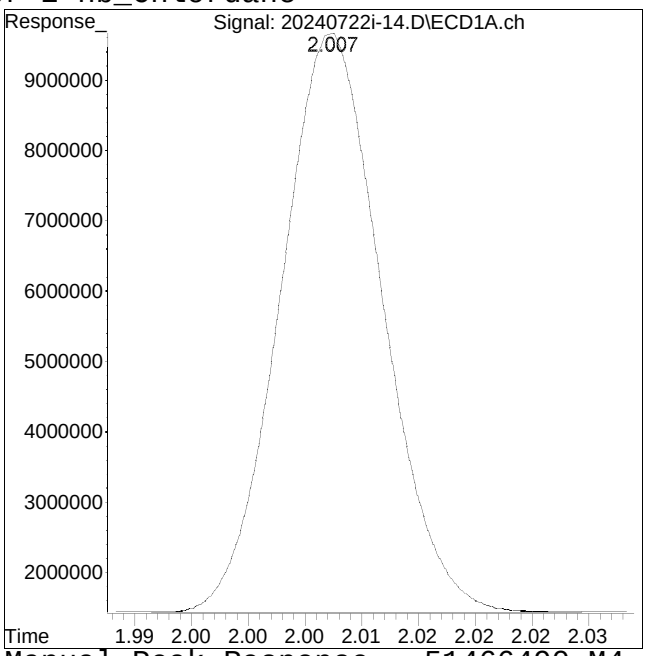
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-14.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:26 Instrument : PEST 20
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 7/23/2024 2:21 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 51280090



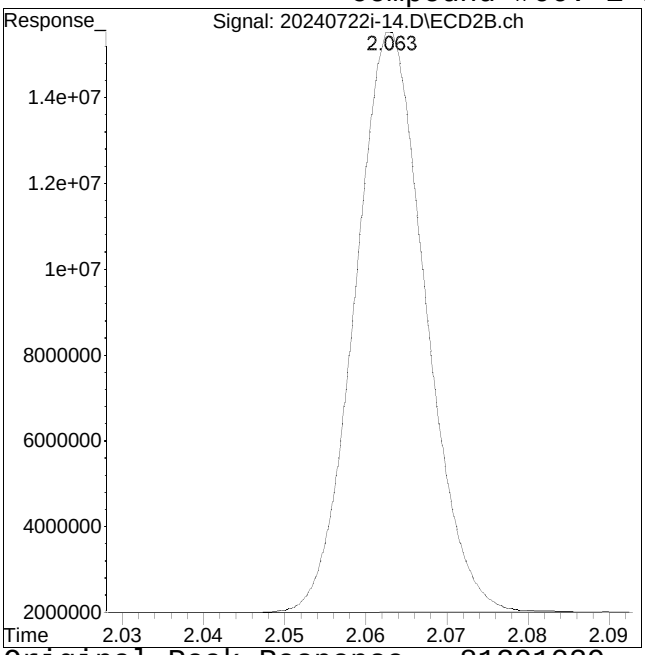
Manual Peak Response = 51466490 M4

M4 = Poor automated baseline construction.

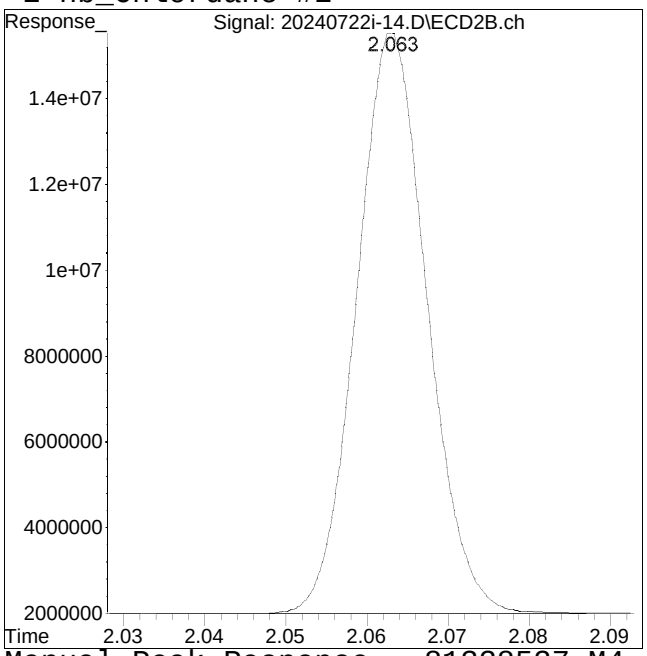
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-14.D
Date Inj'd : 7/22/2024 20:26
Sample : il3chlor,42e,,pp 11694 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:21 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 81291039



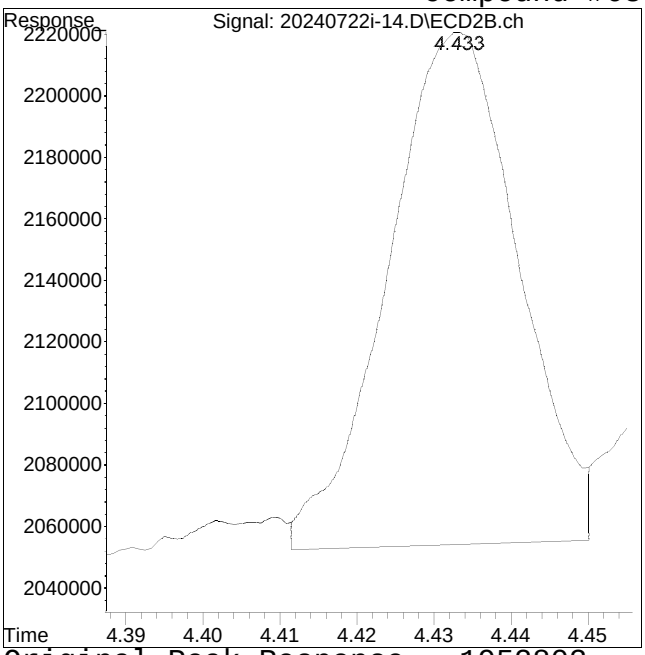
Manual Peak Response = 81338537 M4

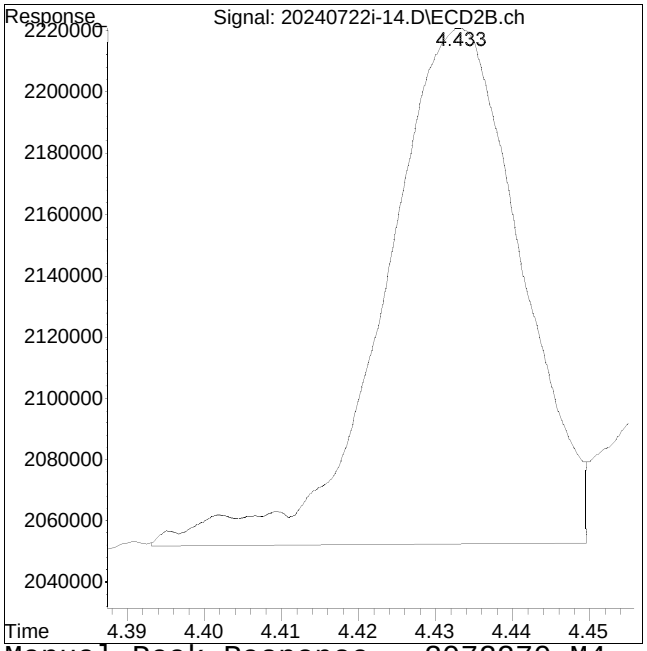
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-14.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:26 Instrument : PEST 20
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 7/23/2024 2:21 pm

Compound #68: chlordane-3 #2





Original Peak Response = 1952803 Manual Peak Response = 2072270 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:38
Operator : pest20:ejl
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:20:41 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:20:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	2.007	2.062	50285949	79236110	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:38
Operator : pest20:ejl
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:20:41 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:20:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D.	N.D.
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29)	l1	chlordane-1	3.441	3.768	2227662	3104416	27.101	28.083
30)	l1	chlordane-3	3.922	4.433	2901092	4124008	28.733	31.374
31)	l1	chlordane-4	4.543	5.140	9506821	11074077	28.456	26.549M3
32)	l1	chlordane-5	4.679	5.295	13476530	8814752	26.146M3	26.916M4
Sum		chlordane-1			28112105	27117252	NoCal	NoCal D
Average		chlordane-1					27.609	28.231
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum		toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum		toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

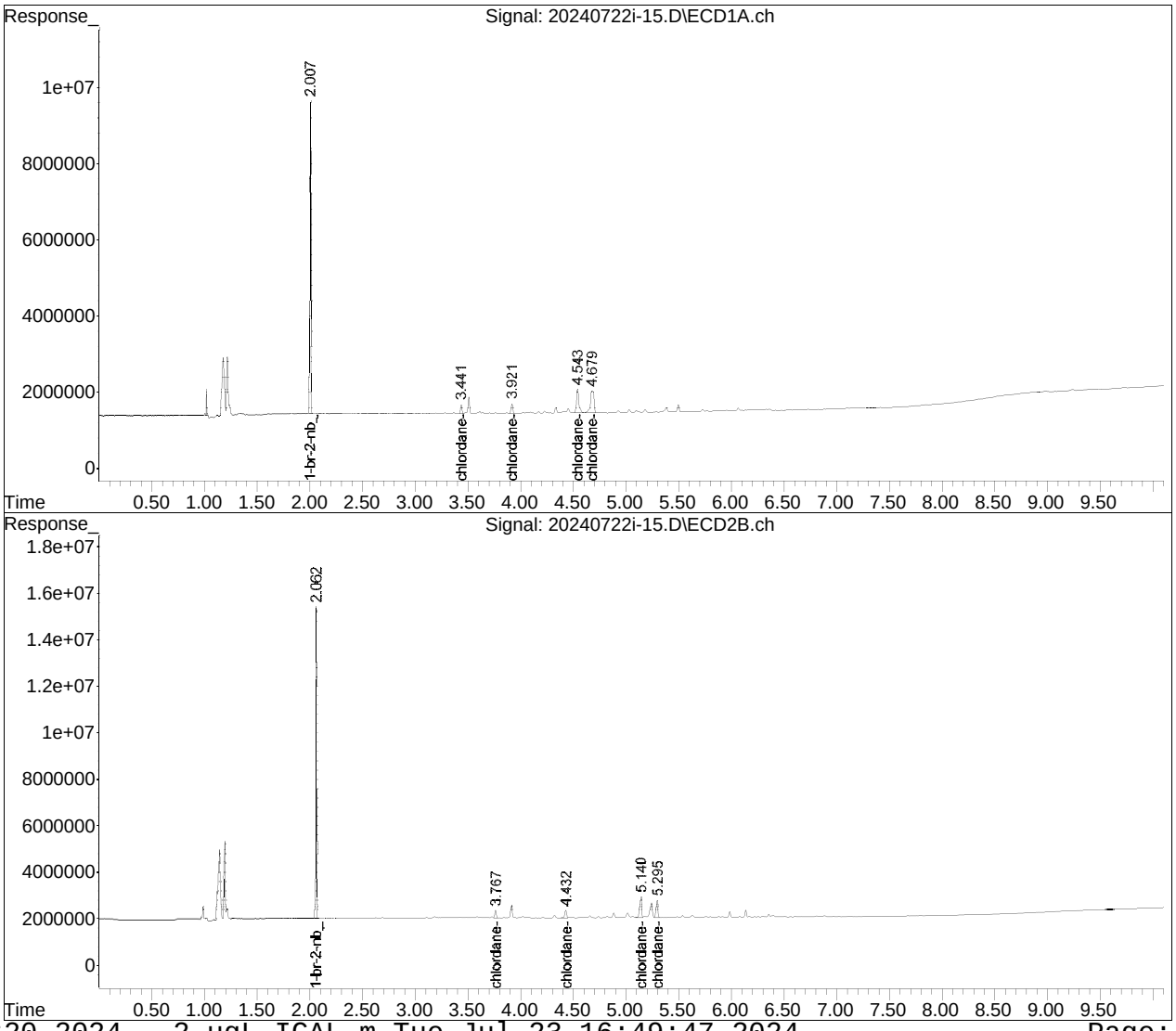
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:38
Operator : pest20:ejl
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:20:41 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:20:35 2024
Response via : Initial Calibration
Integrator: ChemStation

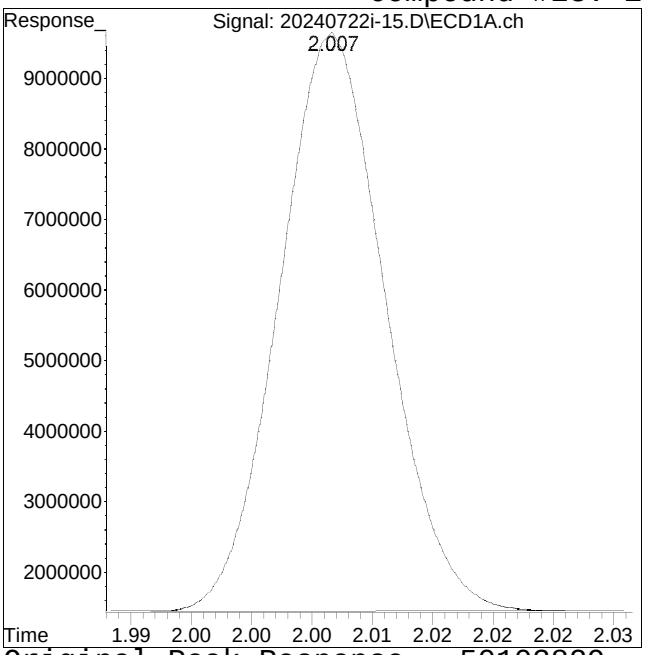
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



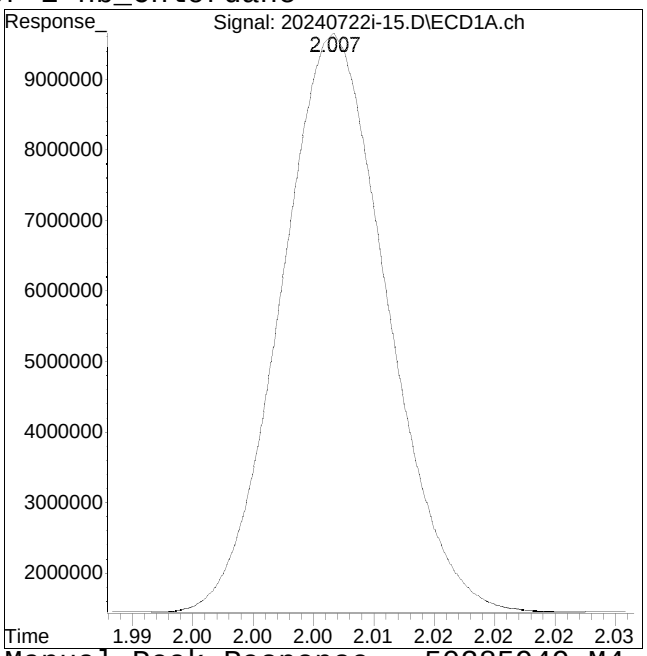
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-15.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:38 Instrument : PEST 20
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 7/23/2024 2:20 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 50103829



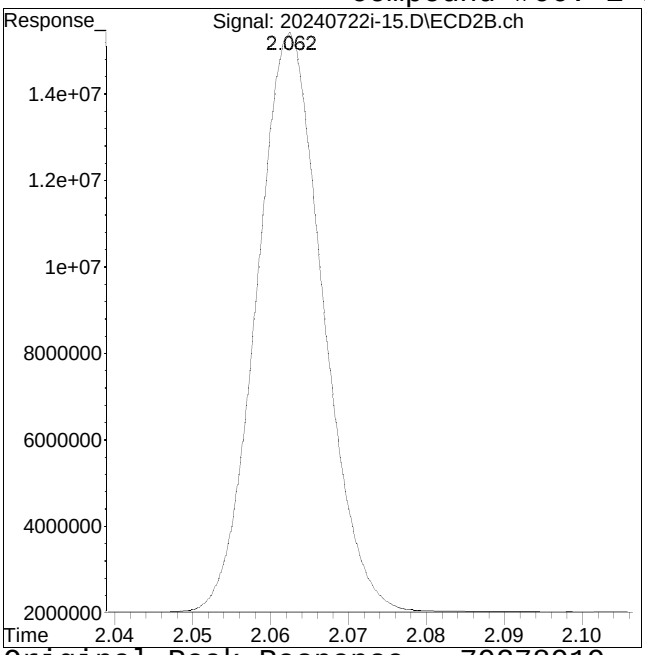
Manual Peak Response = 50285949 M4

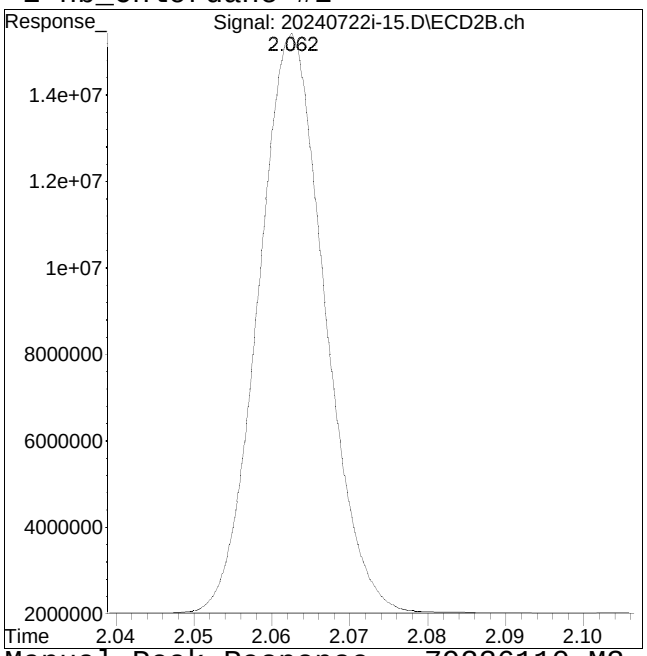
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-15.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:38 Instrument : PEST 20
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 7/23/2024 2:20 pm

Compound #66: 1-br-2-nb_Chlordane #2



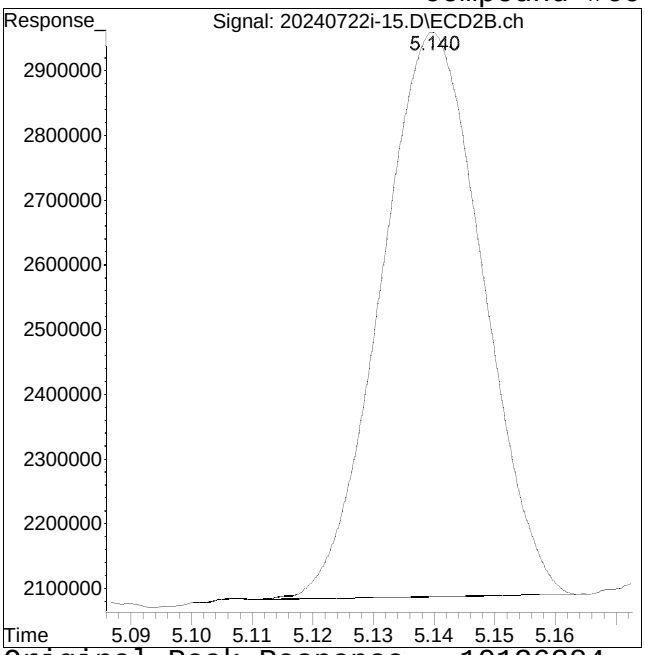


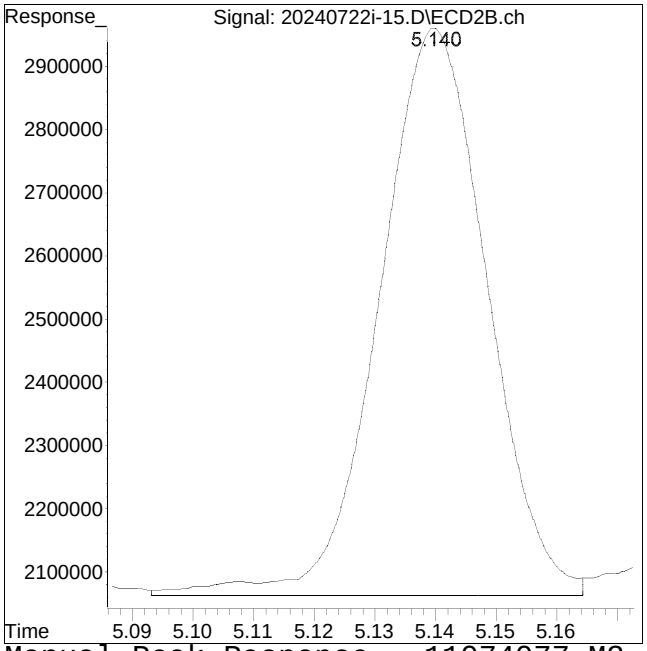
Original Peak Response = 79278919 Manual Peak Response = 79236110 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-15.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:38 Instrument : PEST 20
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 7/23/2024 2:20 pm

Compound #69: chlordane-4 #2



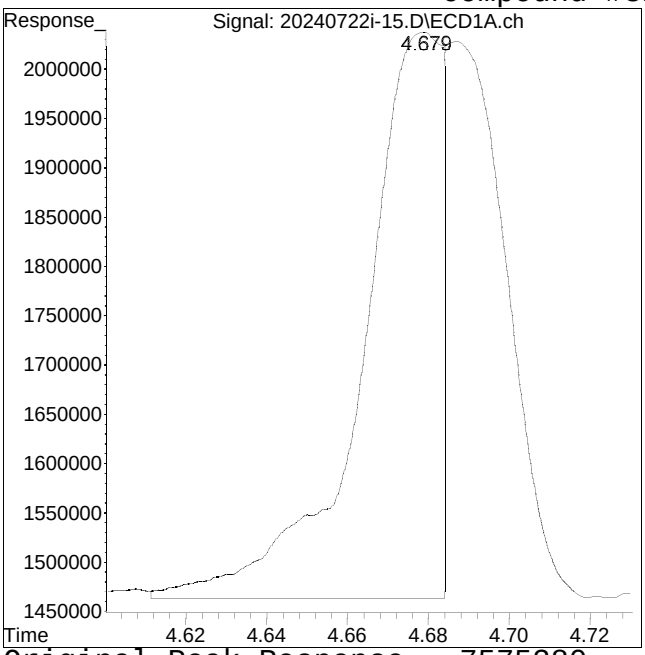


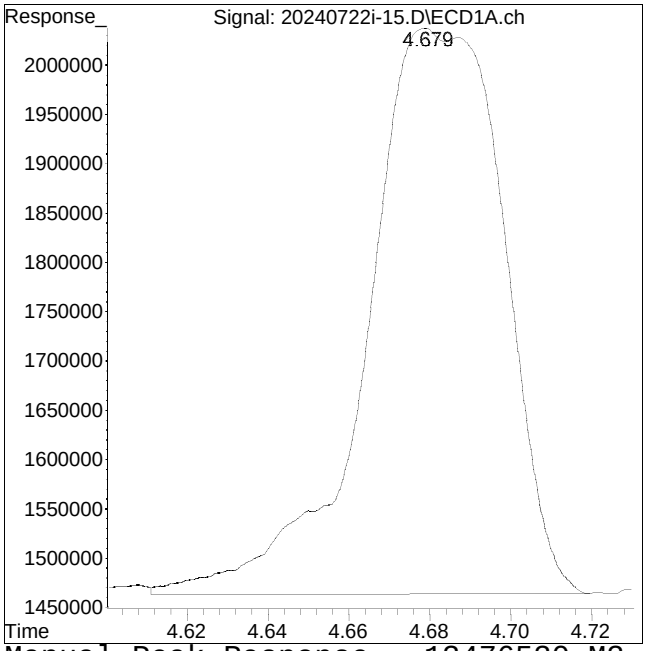
Original Peak Response = 10136384 Manual Peak Response = 11074077 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-15.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:38 Instrument : PEST 20
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 7/23/2024 2:20 pm

Compound #32: chlordane-5



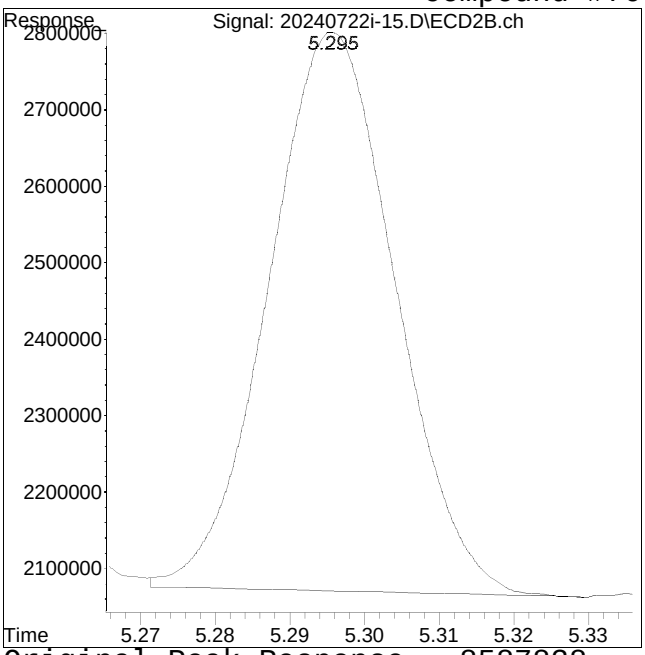


Original Peak Response = 7575380 Manual Peak Response = 13476530 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

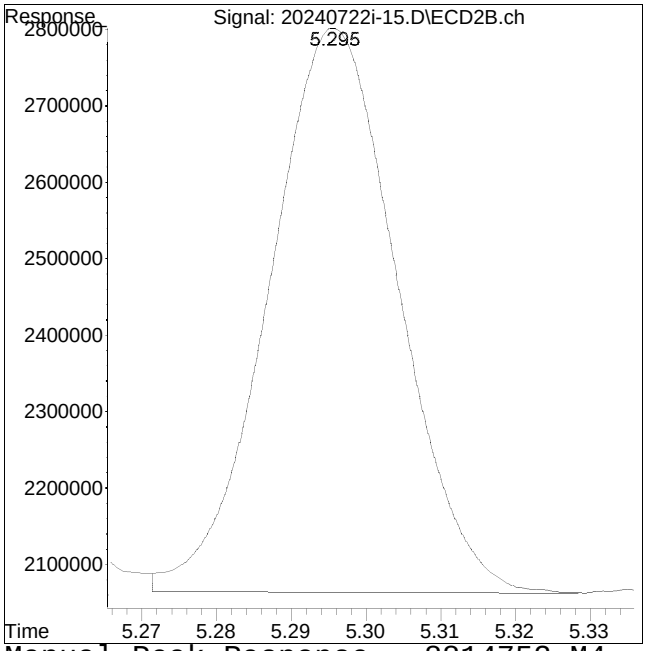
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-15.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:38 Instrument : PEST 20
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 7/23/2024 2:20 pm

Compound #70: chlordane-5 #2



Original Peak Response = 8587838



Manual Peak Response = 8814752 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:51
Operator : pest20:ejl
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:19:19 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:19:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	2.014	2.068	53065082	84184890	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:51
Operator : pest20:ejl
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:19:19 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:19:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.446	3.770	10188218	14403222	122.816	129.991
30)	l1	chlordane-3	3.926	4.435	13137100	17758446	130.923	136.418M3
31)	l1	chlordane-4	4.548	5.142	38766440	50490607	112.768	118.044
32)	l1	chlordane-5	4.682	5.297	59498854	40178741	112.018M3	120.124
		Sum chlordane-1			121.6E6	122.8E6	NoCal	NoCal D
		Average chlordane-1					119.632	126.144
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

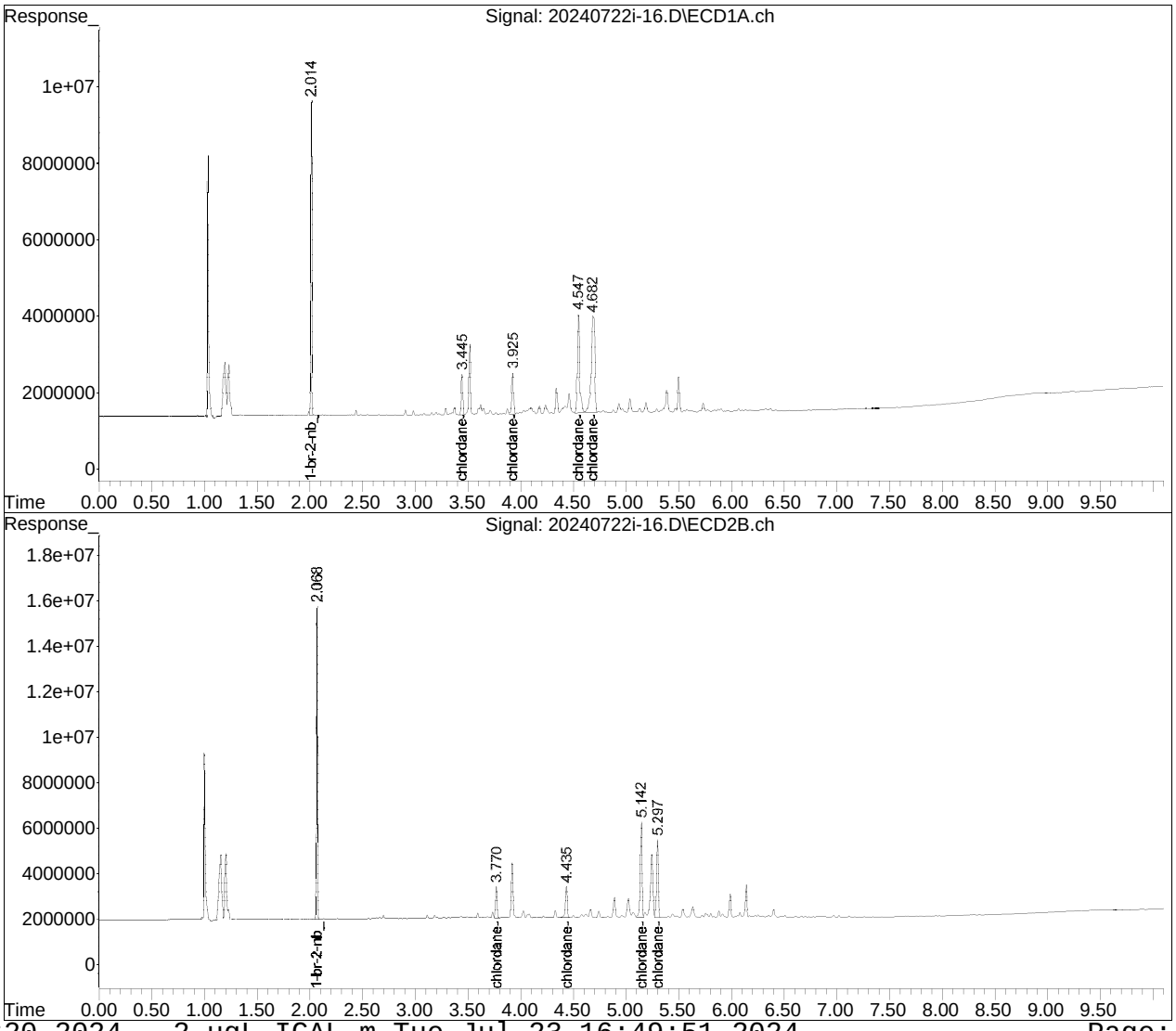
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 20:51
Operator : pest20:ejl
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:19:19 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:19:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

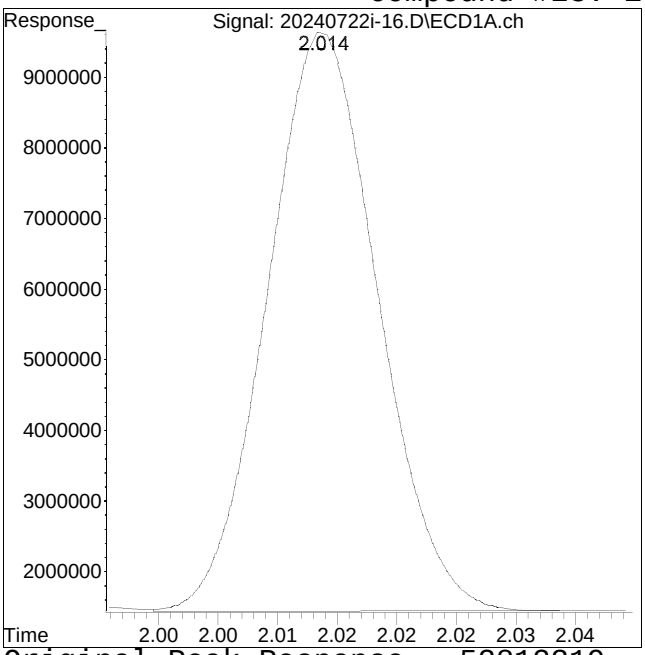


Manual Integration Report

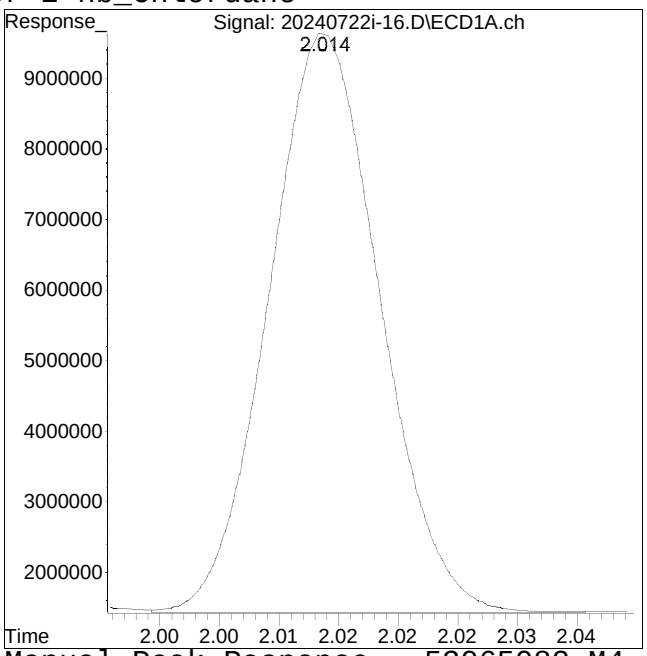
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-16.D
Date Inj'd : 7/22/2024 20:51
Sample : il5chlor,42e,,pp 11692 L0.

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:19 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 52812319



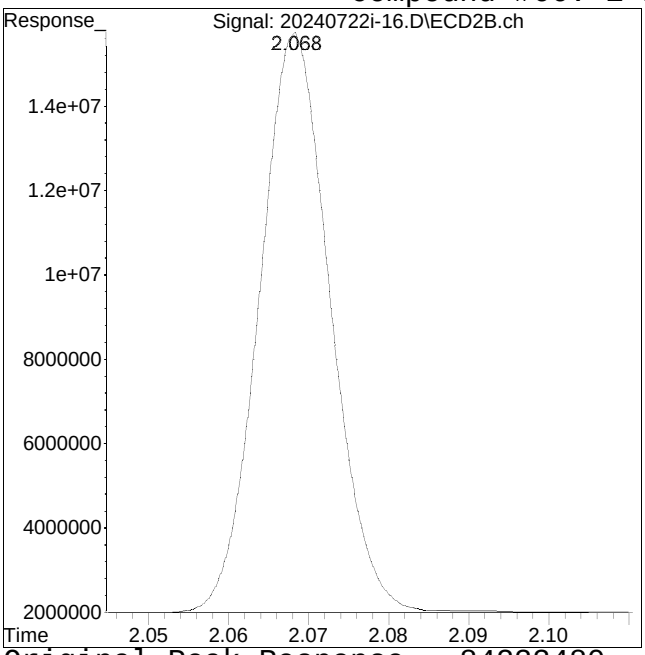
Manual Peak Response = 53065082 M4

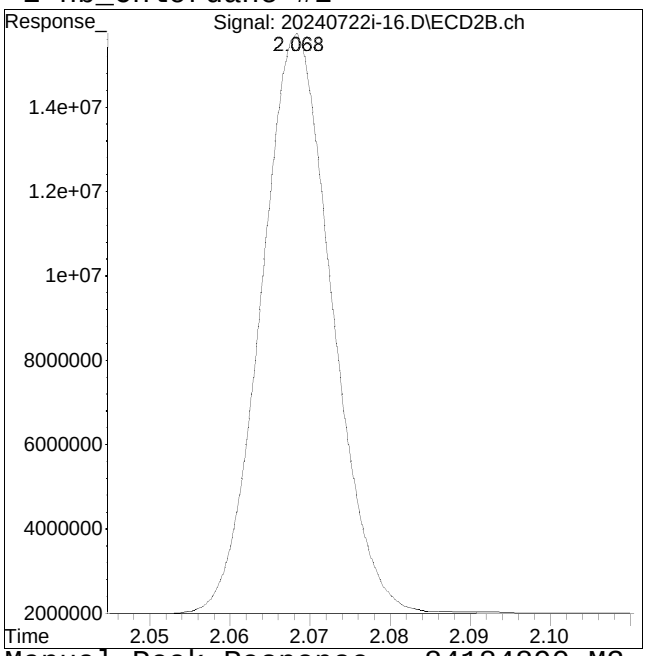
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-16.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:51 Instrument : PEST 20
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 7/23/2024 2:19 pm

Compound #66: 1-br-2-nb_Chlordane #2



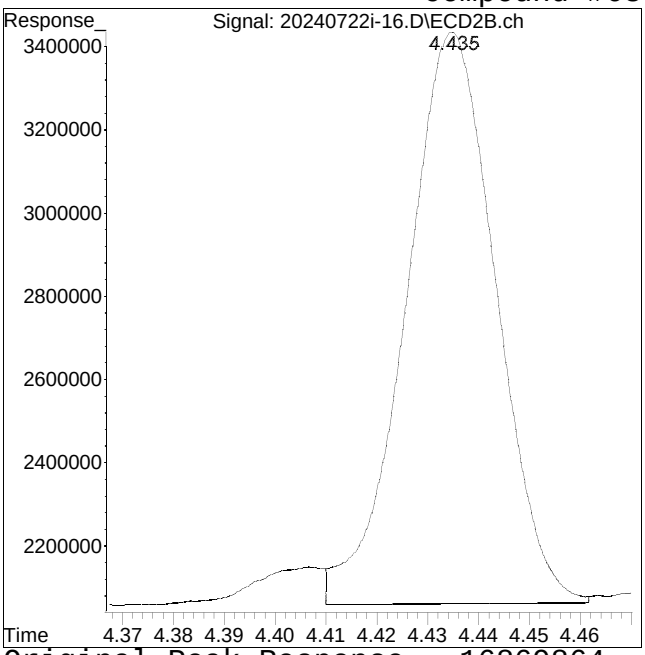


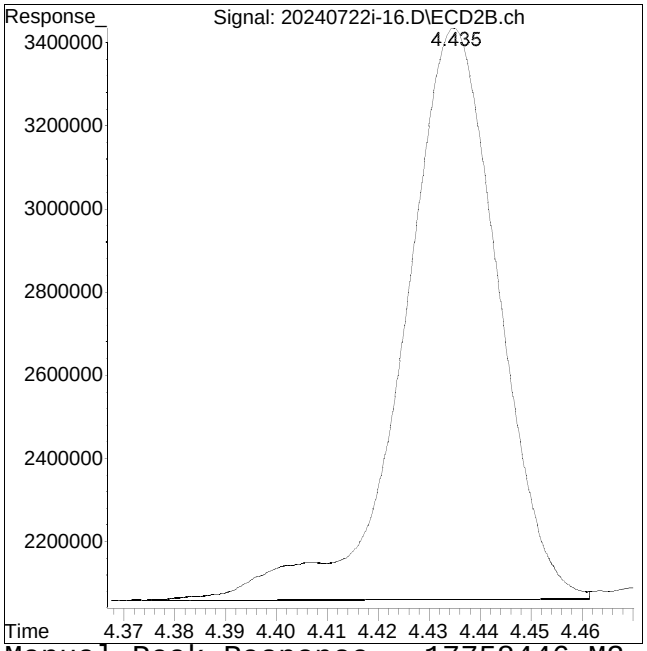
Original Peak Response = 84233480 Manual Peak Response = 84184890 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-16.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:51 Instrument : PEST 20
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 7/23/2024 2:19 pm

Compound #68: chlordane-3 #2



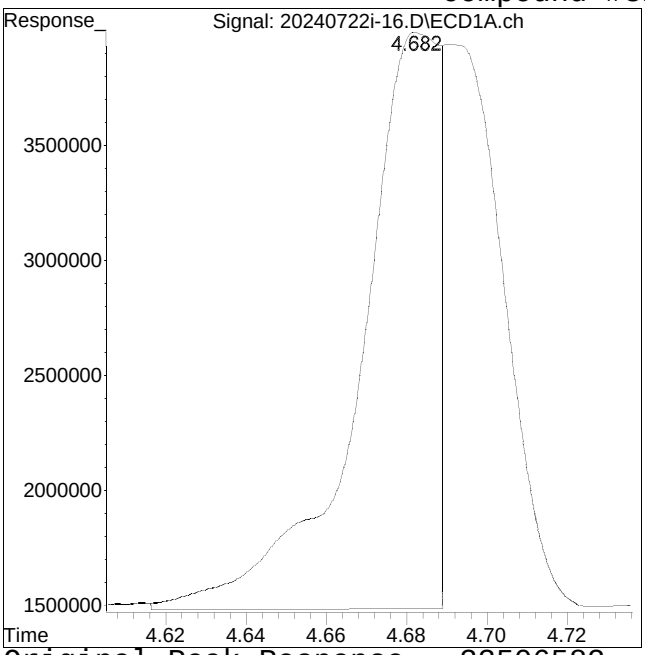


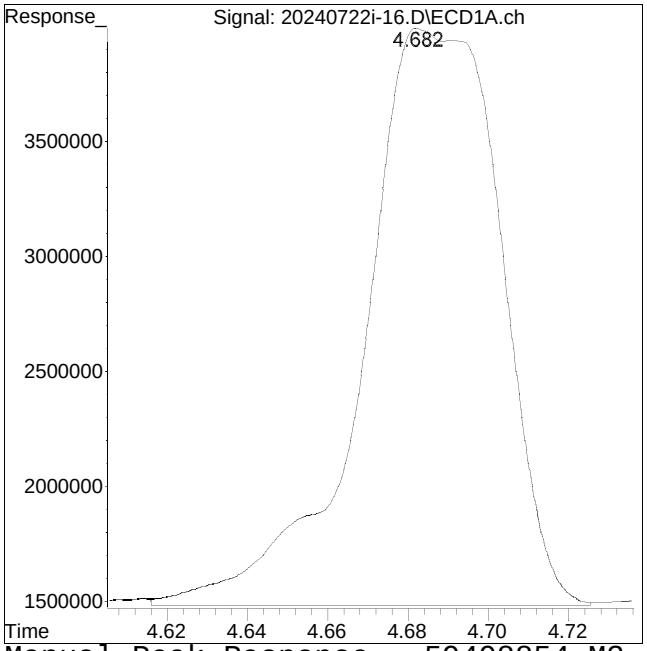
Original Peak Response = 16869864 Manual Peak Response = 17758446 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-16.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 20:51 Instrument : PEST 20
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 7/23/2024 2:19 pm

Compound #32: chlordane-5





Original Peak Response = 33506582 Manual Peak Response = 59498854 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:03
Operator : pest20:ejl
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:18:15 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:18:09 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	2.009	2.065	52196079	84894463	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:03
Operator : pest20:ejl
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:18:15 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:18:09 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.442	3.768	43836436	62893386	550.910	587.502
30)	l1	chlordane-3	3.923	4.433	55017278	76935807	579.616	621.749
31)	l1	chlordane-4	4.545	5.140	178.1E6	238.7E6	536.090	573.948M3
32)	l1	chlordane-5	4.680	5.296	275.6E6	187.9E6	537.387	579.048
	Sum	chlordane-1			552.5E6	566.4E6	NoCal	NoCal D
Average		chlordane-1					551.001	590.562
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

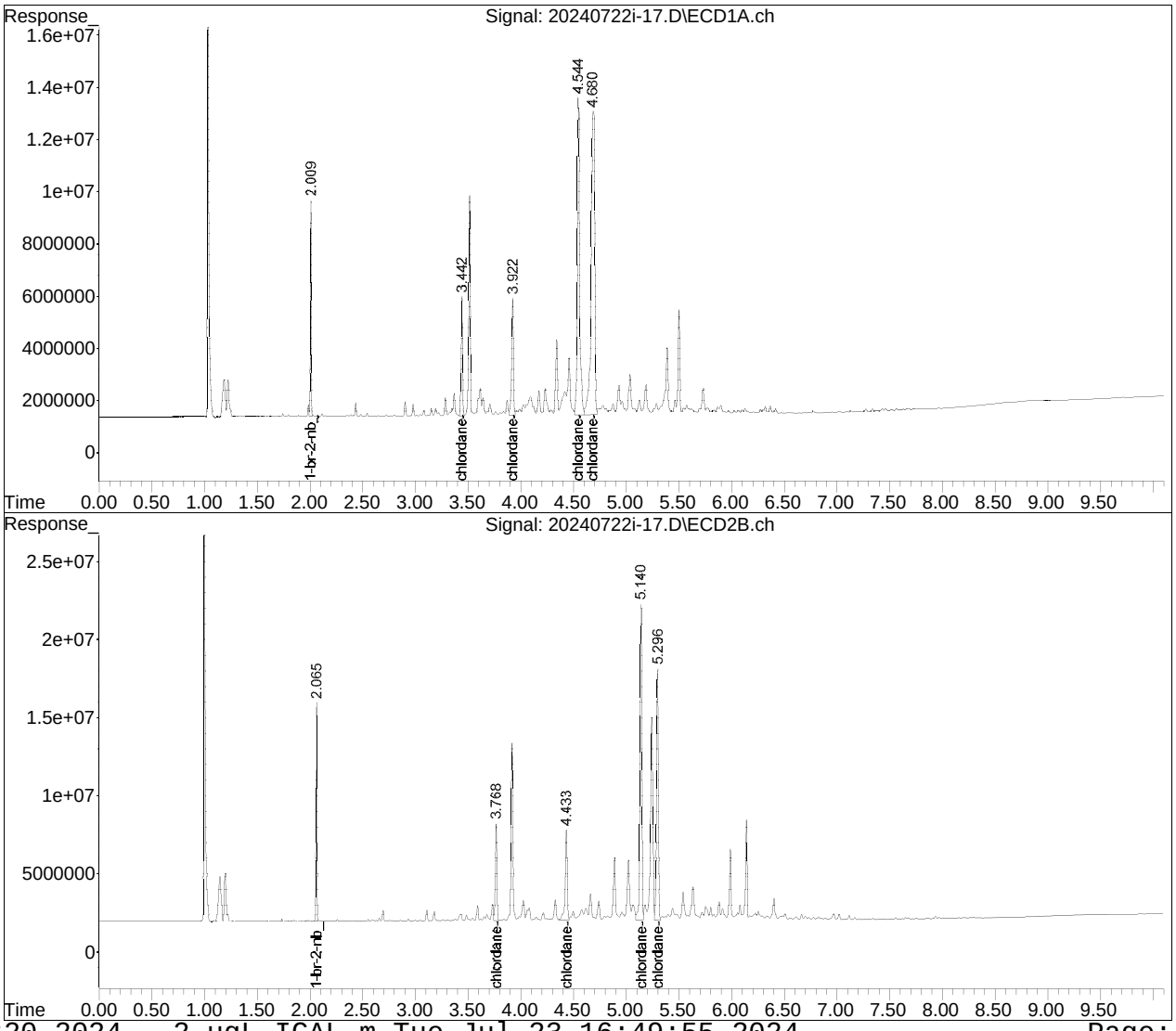
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:03
Operator : pest20:ejl
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:18:15 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:18:09 2024
Response via : Initial Calibration
Integrator: ChemStation

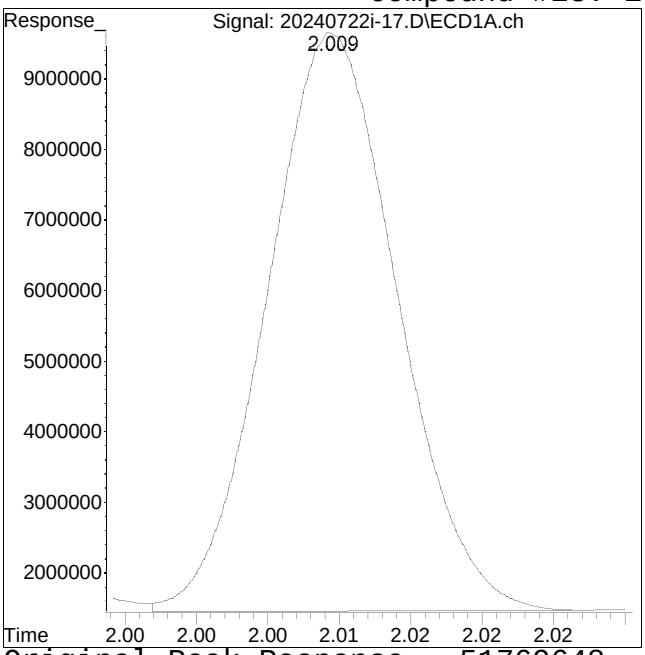
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



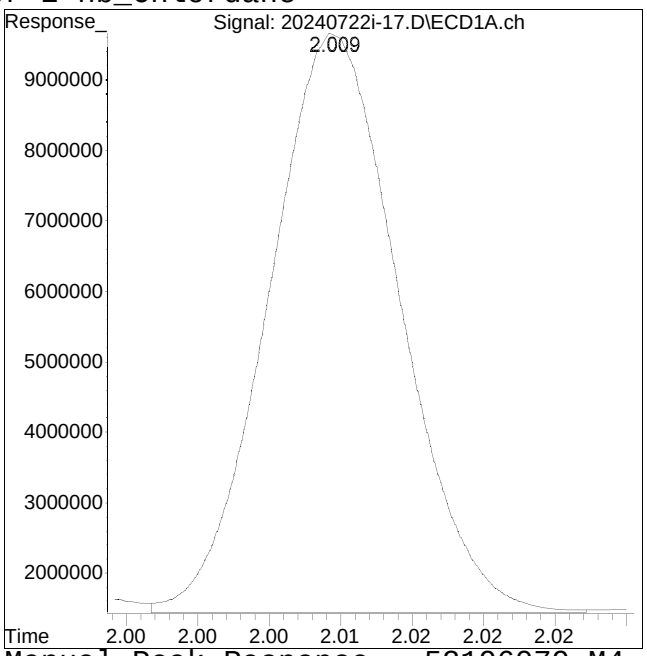
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-17.D
Date Inj'd : 7/22/2024 21:03
Sample : il7chlor,42e,,pp 11691 L0.
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:18 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 51769648



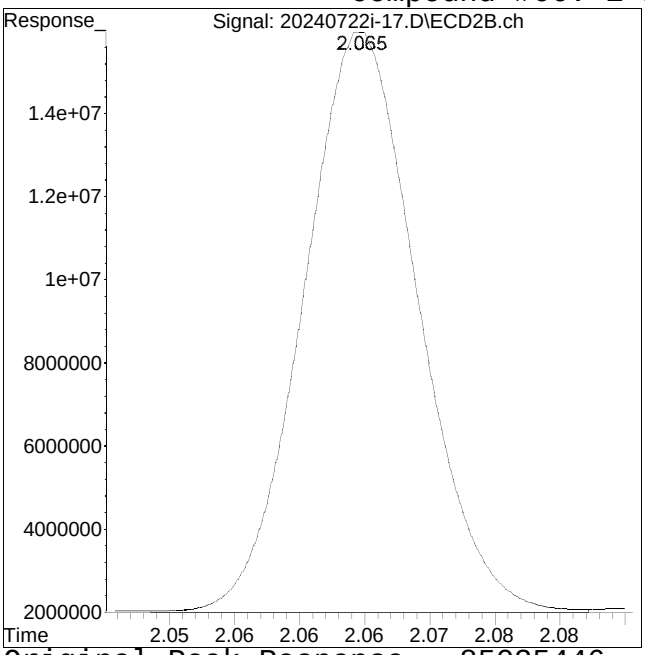
Manual Peak Response = 52196079 M4

M4 = Poor automated baseline construction.

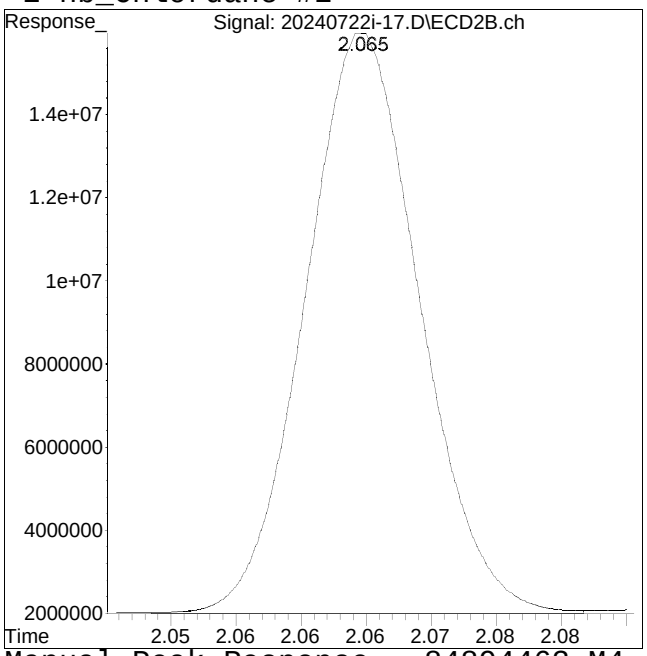
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-17.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:03 Instrument : PEST 20
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 7/23/2024 2:18 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 85035446



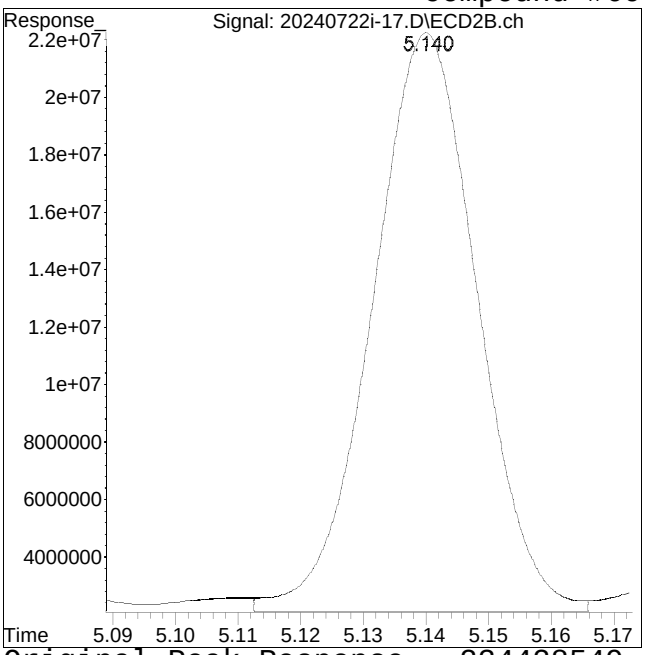
Manual Peak Response = 84894463 M4

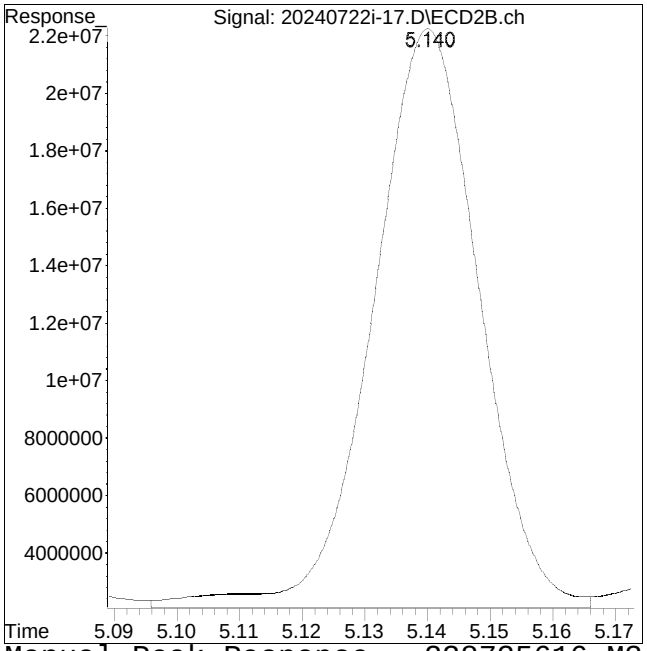
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-17.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:03 Instrument : PEST 20
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 7/23/2024 2:18 pm

Compound #69: chlordane-4 #2





Original Peak Response = 234428549 Manual Peak Response = 238735616 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:16
Operator : pest20:ejl
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:14:41 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:14:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	2.008	2.064	54071095	89744916	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:16
Operator : pest20:ejl
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:14:41 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:14:34 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	3.441	3.768	85480740	126.1E6	NoCal	NoCal
30) l1	chlordane-3	3.922	4.433	104.1E6	150.2E6	NoCal	NoCal
31) l1	chlordane-4	4.544	5.140	356.2E6	490.3E6	NoCal	NoCal
32) l1	chlordane-5	4.679	5.296	552.1E6	383.8E6	NoCal M3	NoCal
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

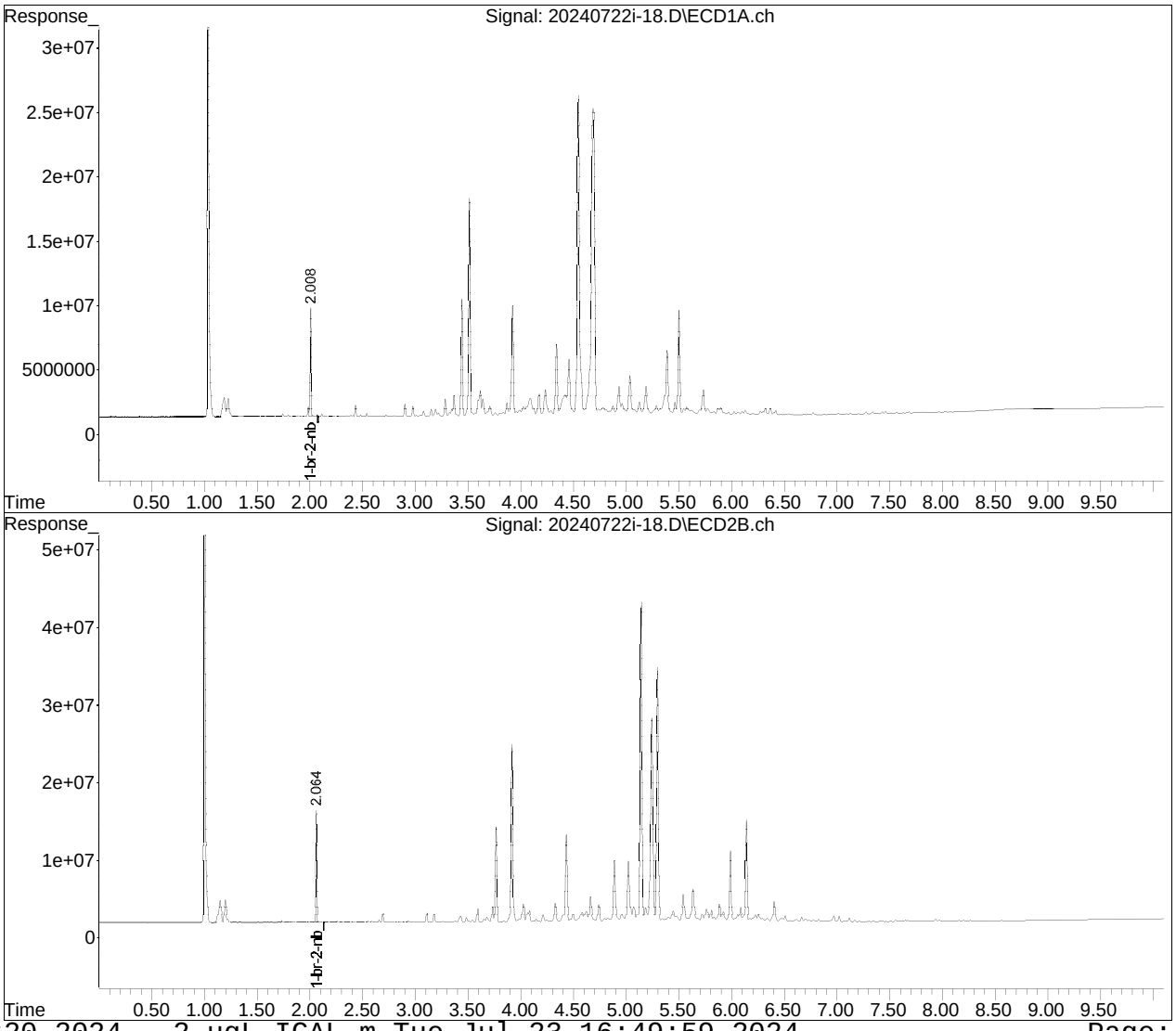
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:16
Operator : pest20:ejl
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:14:41 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:14:34 2024
Response via : Initial Calibration
Integrator: ChemStation

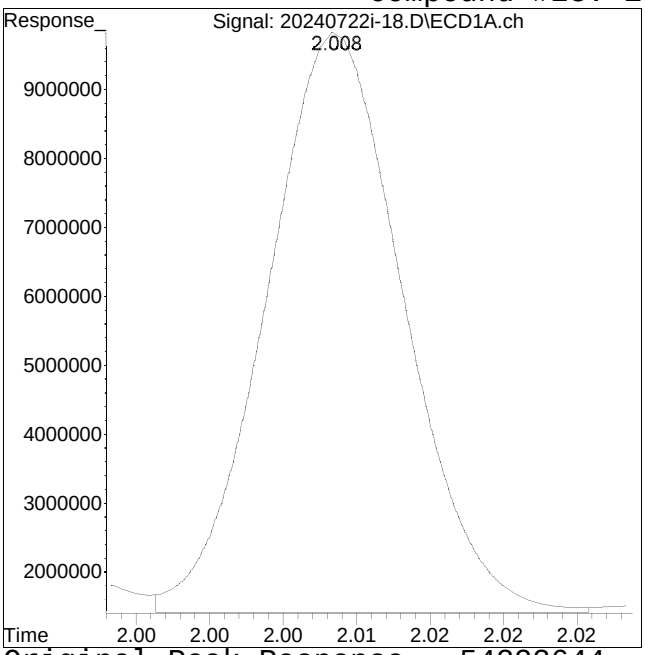
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

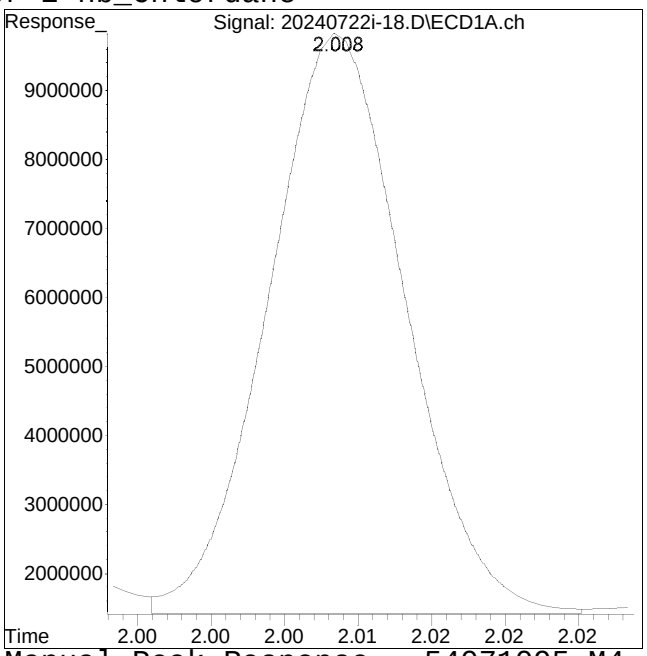


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-18.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:16 Instrument : PEST 20
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/23/2024 2:14 pm

Compound #28: 1-br-2-nb_Chlordane



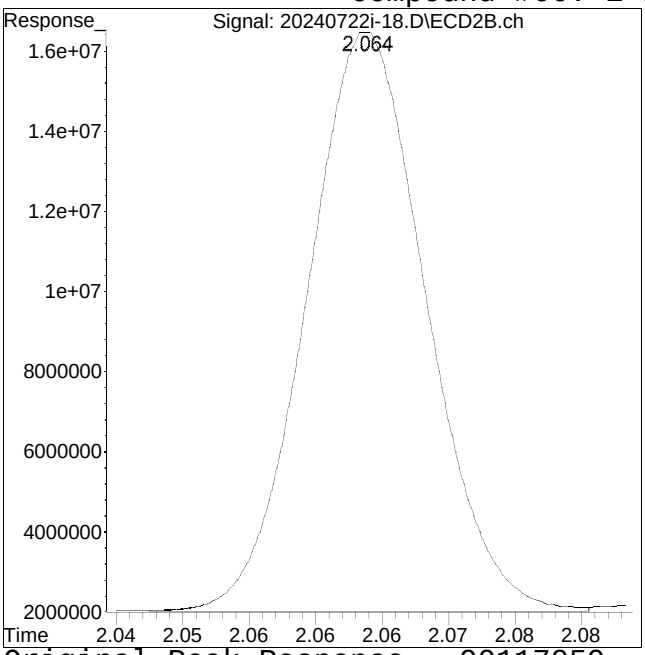


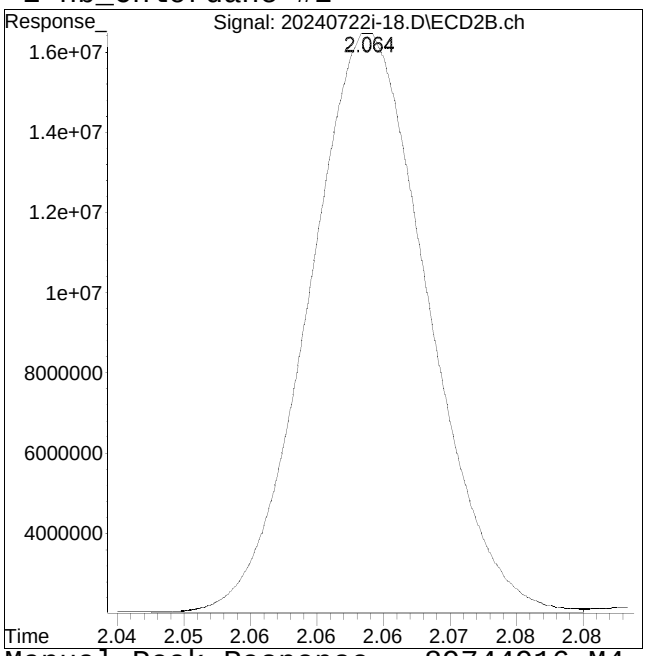
Original Peak Response = 54222644 Manual Peak Response = 54071095 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-18.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:16 Instrument : PEST 20
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/23/2024 2:14 pm

Compound #66: 1-br-2-nb_Chlordane #2



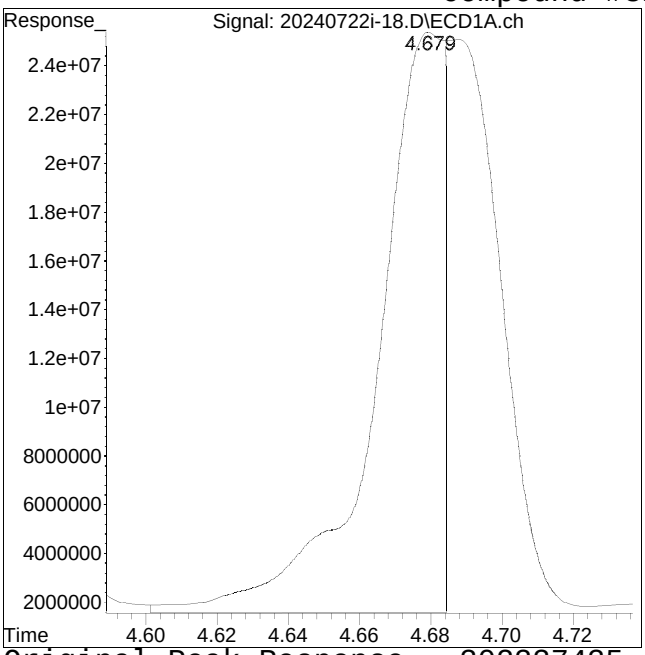


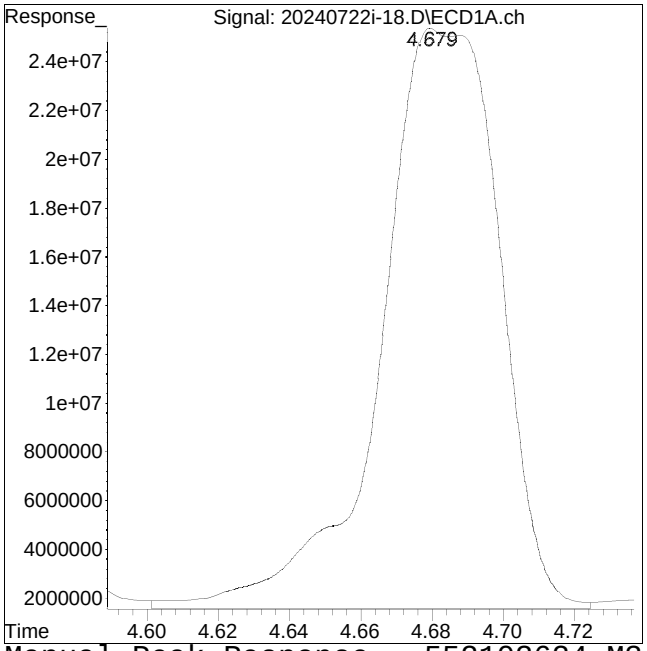
Original Peak Response = 90117059 Manual Peak Response = 89744916 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-18.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:16 Instrument : PEST 20
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 7/23/2024 2:14 pm

Compound #32: chlordane-5





Original Peak Response = 302337435 Manual Peak Response = 552103624 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:28
Operator : pest20:ejl
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:15:52 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:15:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	2.008	2.063	53813832	93943731	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:28
Operator : pest20:ejl
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:15:52 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:15:44 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	3.441	3.768	166.0E6	243.6E6	1951.302	1845.417
30) l1	chlordane-3	3.921	4.433	198.5E6	281.1E6	1915.964	1788.015
31) l1	chlordane-4	4.544	5.140	693.4E6	944.1E6	1956.079	1839.611
32) l1	chlordane-5	4.680	5.296	1067.1E6	736.1E6	1941.986M3	1832.469
Sum	chlordane-1			2125.0E6	2205.0E6	NoCal	NoCal D
Average	chlordane-1					1941.333	1826.378
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

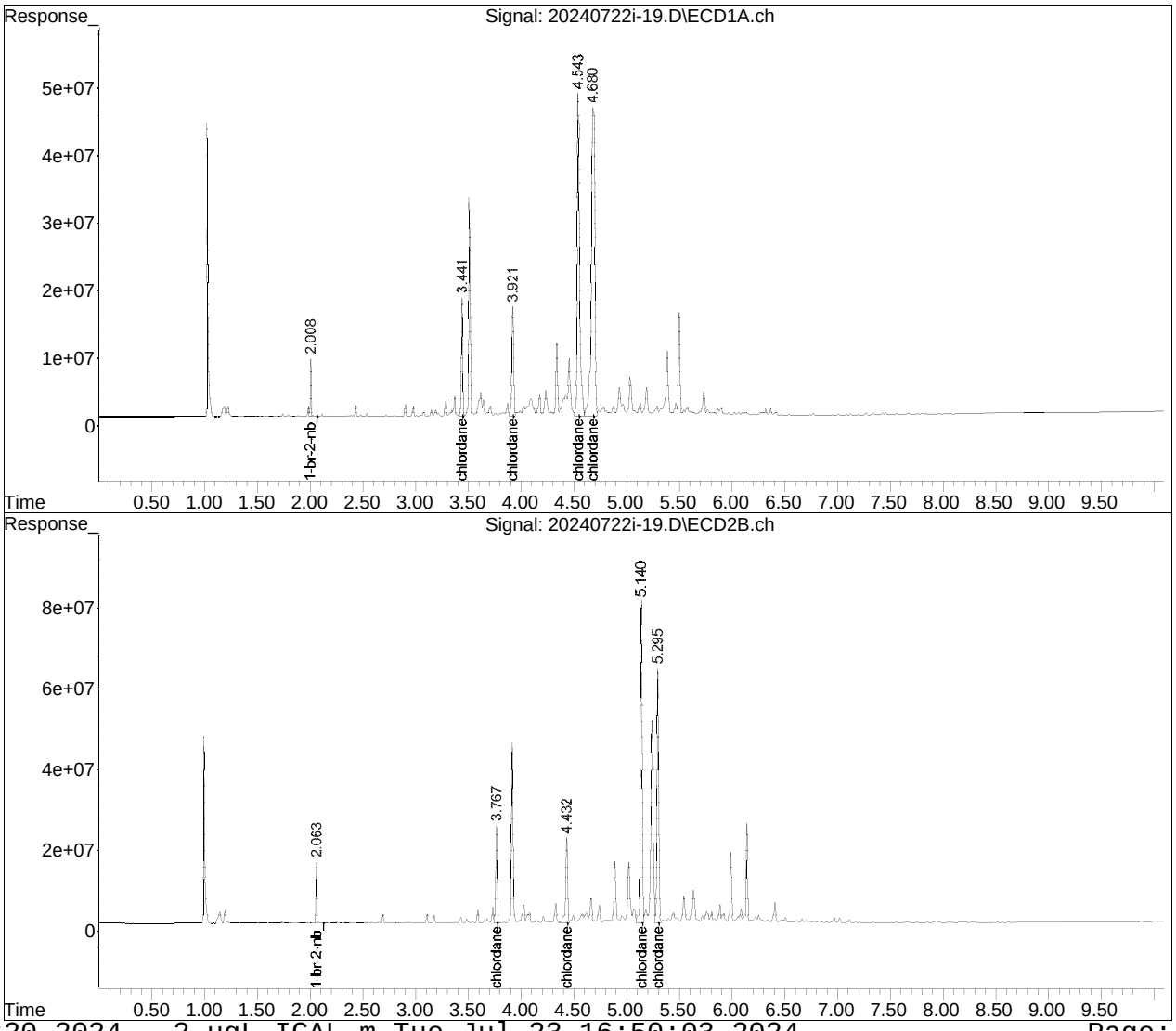
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:28
Operator : pest20:ejl
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:15:52 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:15:44 2024
Response via : Initial Calibration
Integrator: ChemStation

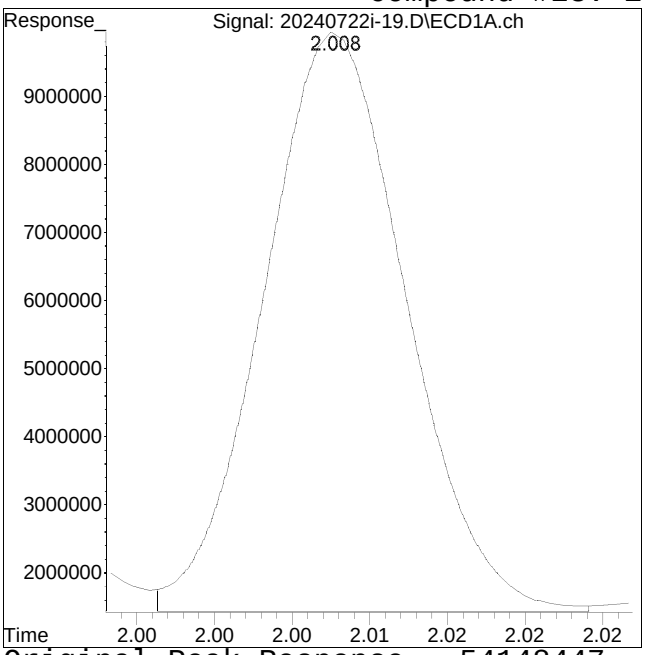
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

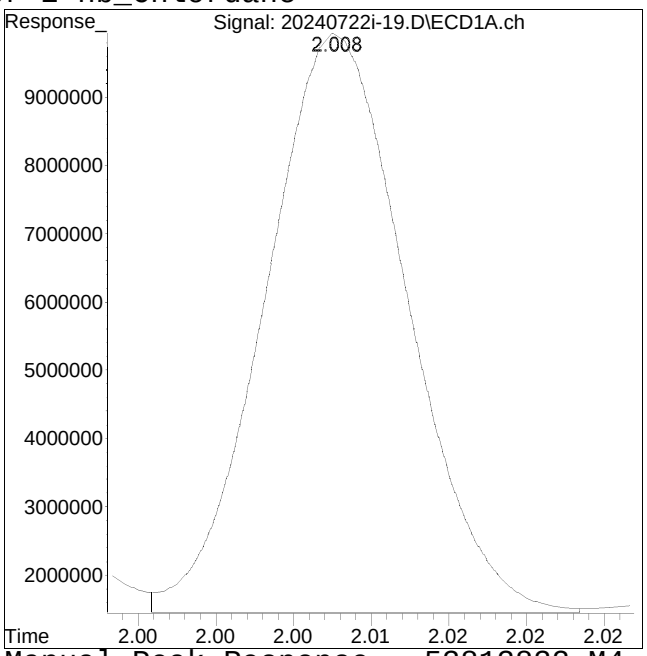


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-19.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:28 Instrument : PEST 20
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 7/23/2024 2:15 pm

Compound #28: 1-br-2-nb_Chlordane



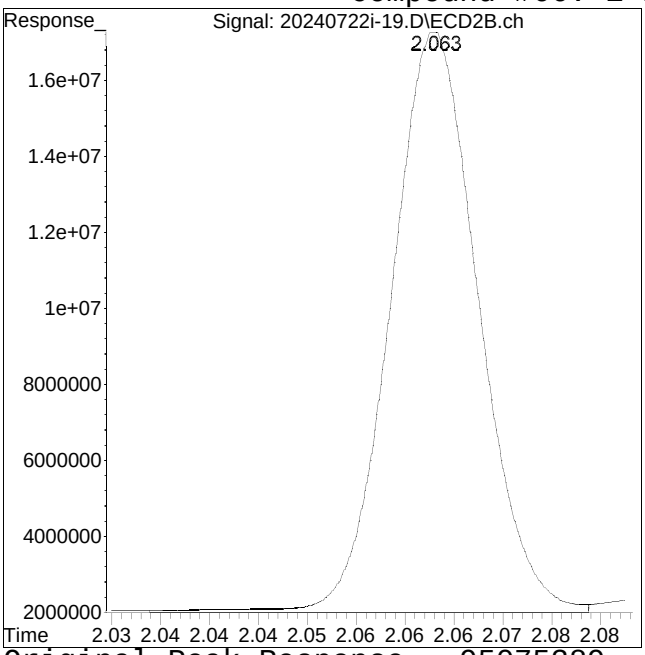


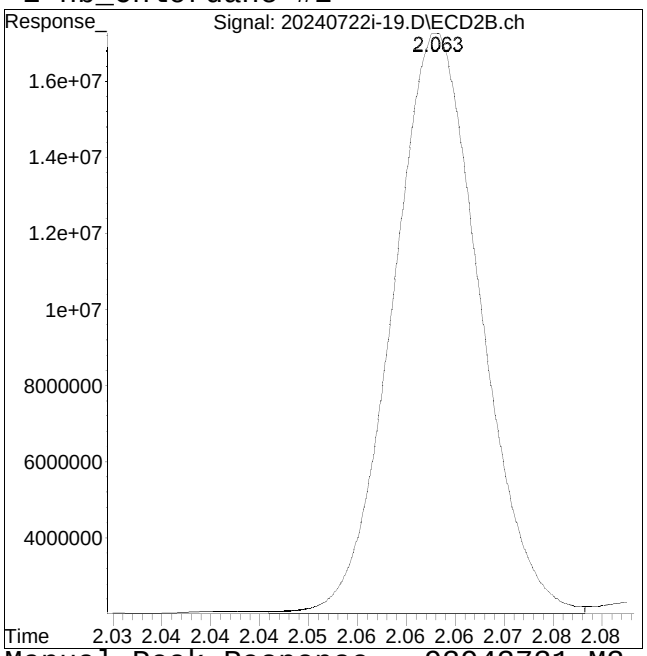
Original Peak Response = 54148447 Manual Peak Response = 53813832 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-19.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:28 Instrument : PEST 20
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 7/23/2024 2:15 pm

Compound #66: 1-br-2-nb_Chlordane #2



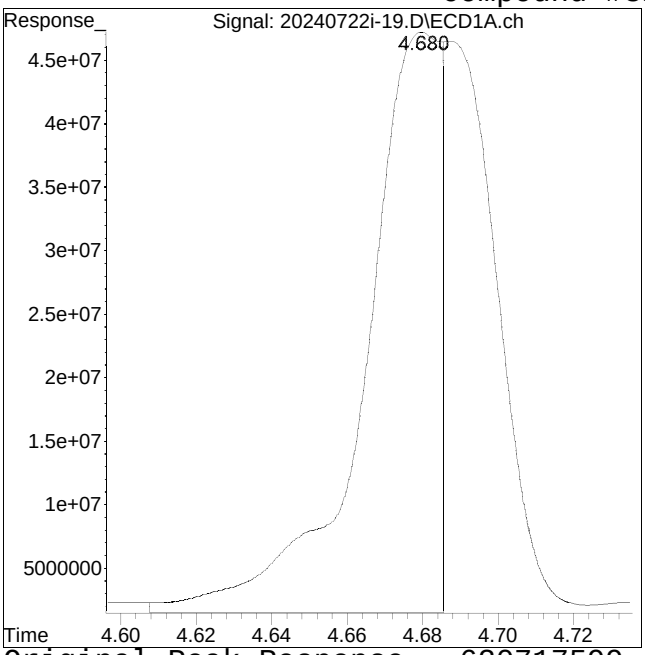


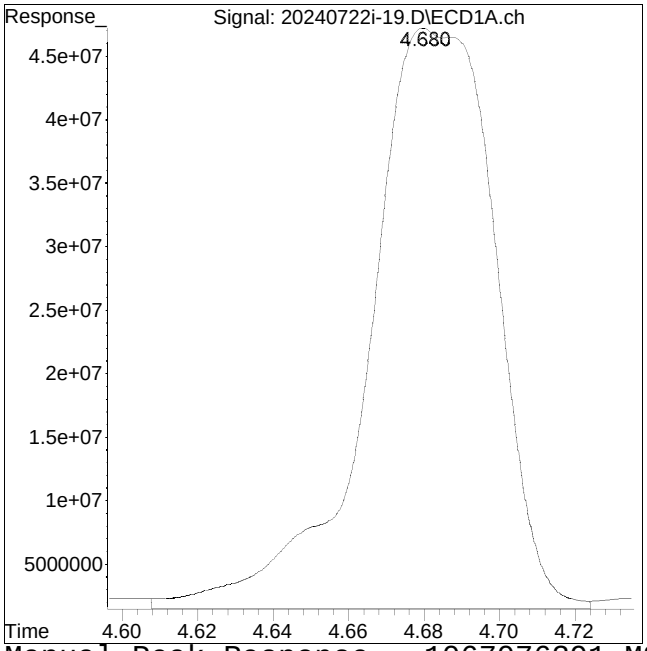
Original Peak Response = 95075389 Manual Peak Response = 93943731 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-19.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:28 Instrument : PEST 20
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 7/23/2024 2:15 pm

Compound #32: chlordane-5





Original Peak Response = 620717599 Manual Peak Response = 1067076391 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:40
Operator : pest20:ejl
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:16:54 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:16:47 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	2.009	2.064	55809863	110.6E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:40
Operator : pest20:ejl
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:16:54 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:16:47 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.442	3.768	404.6E6	597.8E6	4642.822	4001.095
30)	l1	chlordane-3	3.922	4.433	470.4E6	665.2E6	4471.299	3795.501
31)	l1	chlordane-4	4.544	5.140	1691.1E6	2328.6E6	4650.862	4015.476M3
32)	l1	chlordane-5	4.679	5.296	2609.7E6	1809.2E6	4646.971M3	3993.051
Sum		chlordane-1			5175.8E6	5400.7E6	NoCal	NoCal D
Average		chlordane-1					4602.989	3951.281
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum		toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum		toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

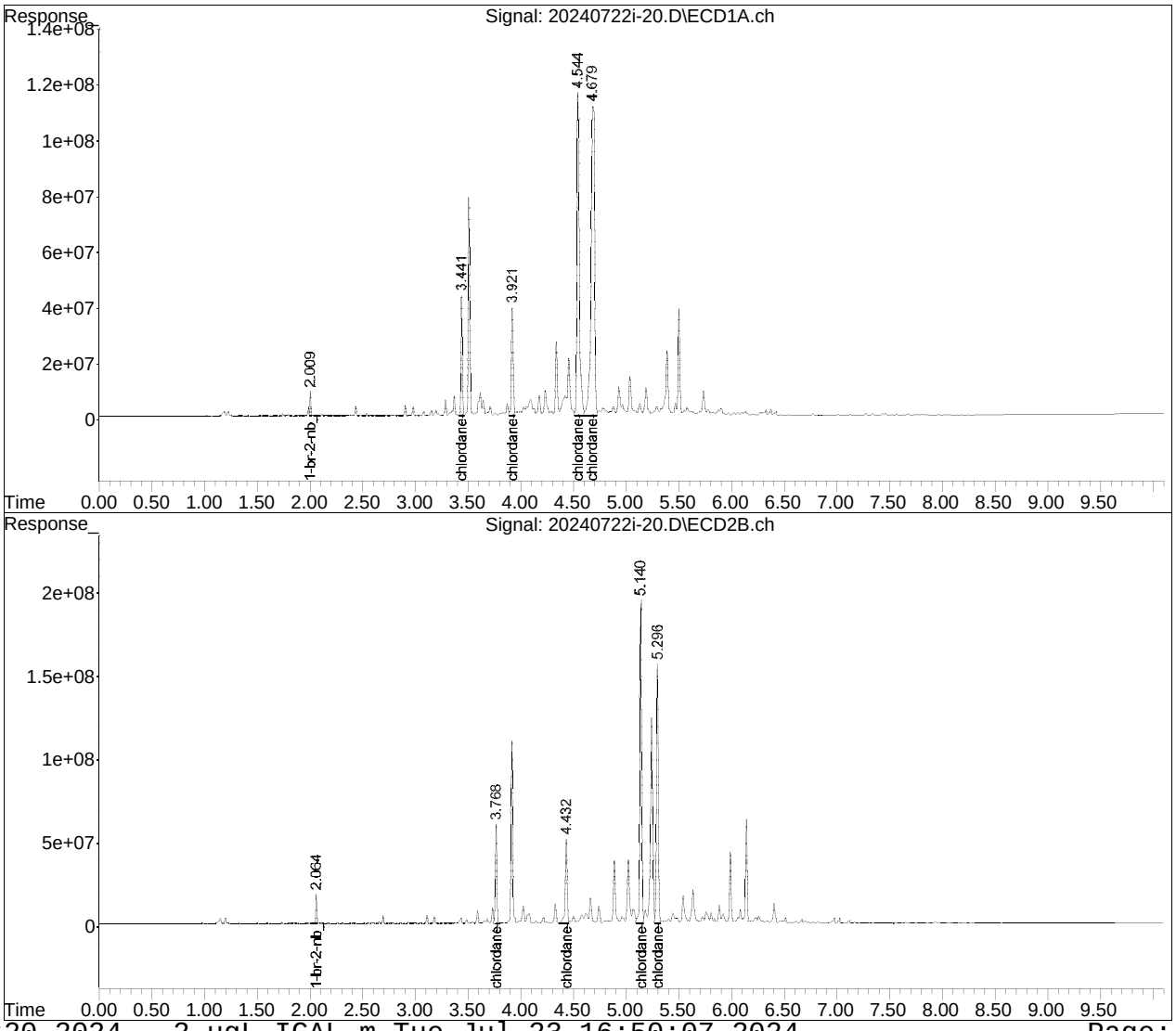
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:40
Operator : pest20:ejl
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:16:54 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:16:47 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

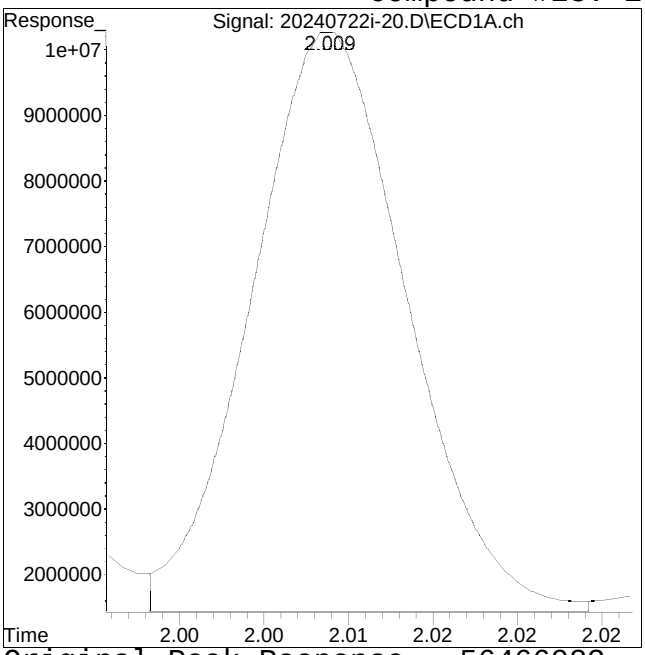


Manual Integration Report

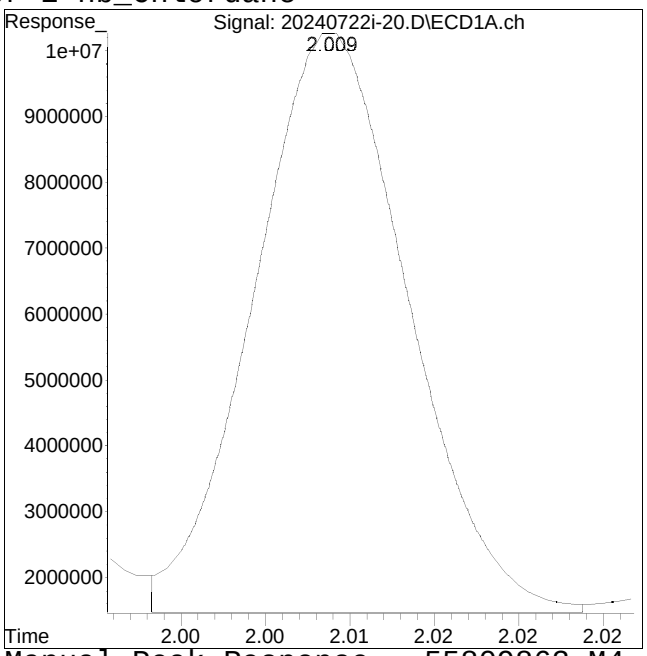
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-20.D
Date Inj'd : 7/22/2024 21:40
Sample : il10chlor,42e,,pp 11688 L5

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:16 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 56466023



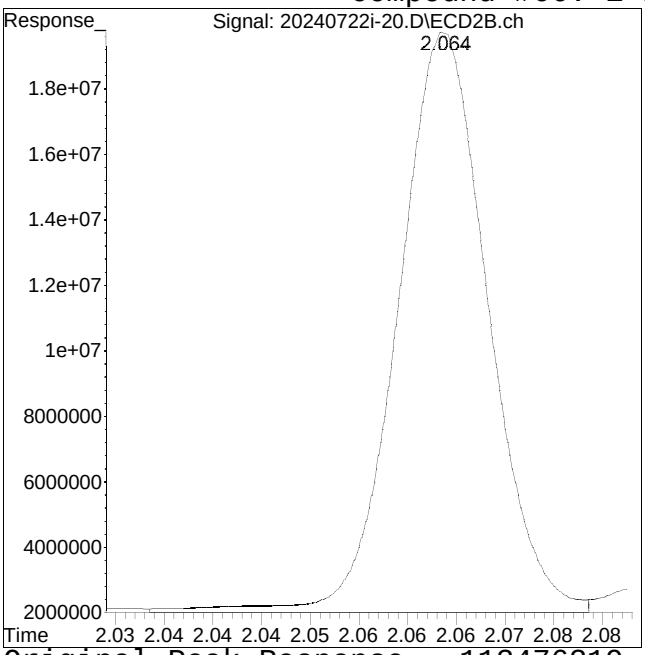
Manual Peak Response = 55809863 M4

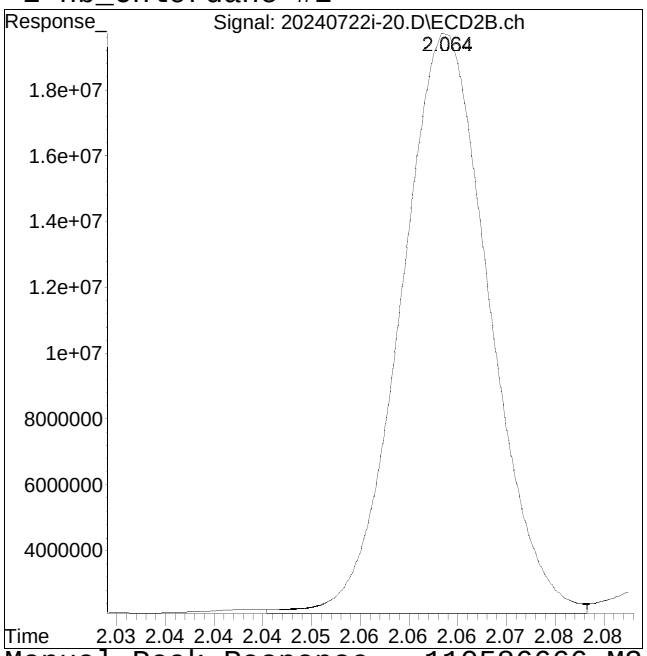
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-20.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:40 Instrument : PEST 20
Sample : il10chlor,42e,,pp 11688 L5Quant Date : 7/23/2024 2:16 pm

Compound #66: 1-br-2-nb_Chlordane #2



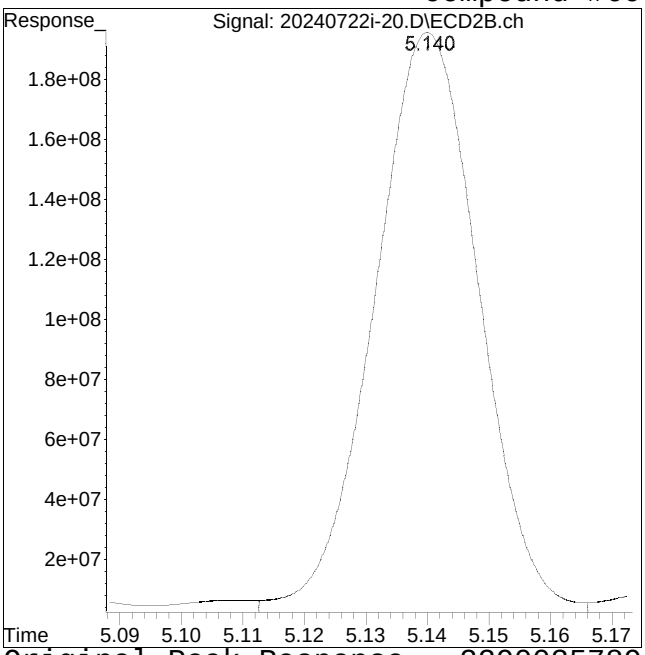


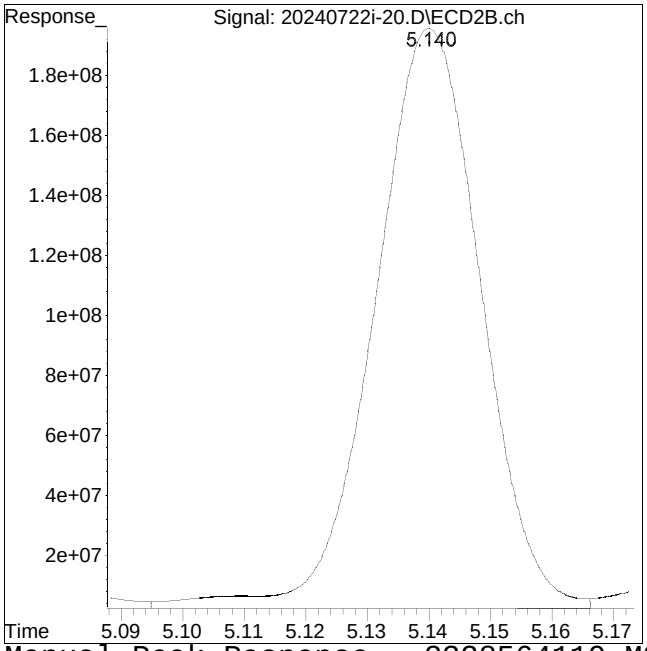
Original Peak Response = 113476319 Manual Peak Response = 110586666 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-20.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:40 Instrument : PEST 20
Sample : il10chlor,42e,,pp 11688 L5Quant Date : 7/23/2024 2:16 pm

Compound #69: chlordane-4 #2



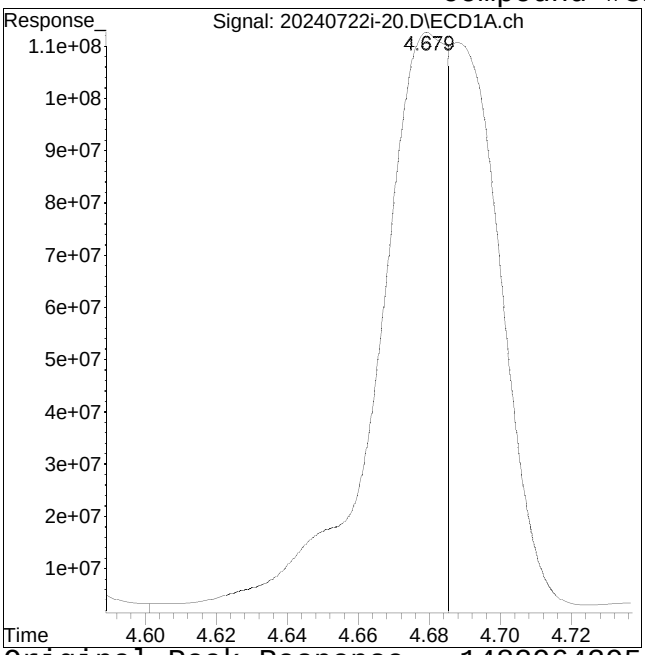


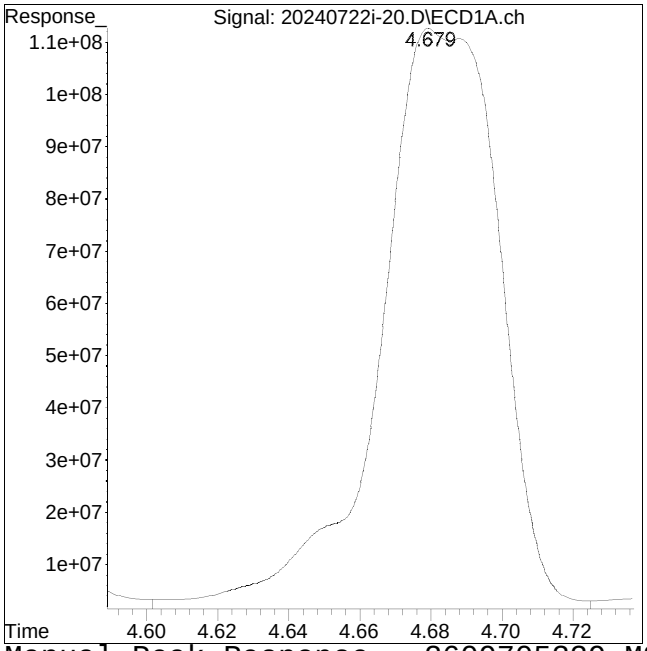
Original Peak Response = 2290035789 Manual Peak Response = 2328564119 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-20.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:40 Instrument : PEST 20
Sample : il10chlor,42e,,pp 11688 L5Quant Date : 7/23/2024 2:16 pm

Compound #32: chlordane-5





Original Peak Response = 1482964395 Manual Peak Response = 2609705339 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 22 Jul 2024 21:53
Operator : pest20:ejl
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 21   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:24:30 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:23:58 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	101	0.00
29	l1	chlordane-1		*1000.000	874.631	12.5	86	0.00
30	l1	chlordane-3		*1000.000	874.303	12.6	86	0.00
31	l1	chlordane-4		*1000.000	851.331	14.9	84	0.00
32	l1	chlordane-5		*1000.000	942.704	5.7	92	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	92	0.00
29	l1	chlordane-1		*1000.000	954.598	4.5	85	0.00
30	l1	chlordane-3		*1000.000	952.183	4.8	83	0.00
31	l1	chlordane-4		*1000.000	908.193	9.2	80	0.00
32	l1	chlordane-5		*1000.000	894.940	10.5	79	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-2.01#
2	s	2,4,5,6-Tetrachloro-m-xylen	*	50.000	0.000	100.0#	0	-2.47#
3		Hexachlorobenzene	*	50.000	0.000	100.0#	0	-2.74#
4		alpha-BHC		1.586	0.000	100.0#	0#	-2.86#
5		gamma-BHC (lindane)		1.529	0.000	100.0#	0#	-3.11#
6		beta-BHC	*	50.000	0.000	100.0#	0	-3.17#
7		delta-BHC		1.478	0.000	100.0#	0#	-3.32#
8		Heptachlor		1.494	0.000	100.0#	0#	-3.51#
9		Aldrin		1.394	0.000	100.0#	0#	-3.79#
10		Alachlor	*	50.000	0.000	100.0#	0	-3.93#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.03#
12		Heptachlor Epoxide		1.349	0.000	100.0#	0#	-4.41#
13		gamma-Chlordane (trans)	*	50.000	0.000	100.0#	0	-4.54#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 22 Jul 2024 21:53
Operator : pest20:ejl
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 21   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:24:30 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:23:58 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)	*	50.000	0.000	100.0#	0	-4.69#
15		4,4'-DDE		1.333	0.000	100.0#	0#	-4.79#
16		Endosulfan I		1.261	0.000	100.0#	0#	-4.84#
17		Dieldrin		1.315	0.000	100.0#	0#	-5.11#
18		Endrin		1.292	0.000	100.0#	0#	-5.34#
19		4,4'-DDD		1.086	0.000	100.0#	0#	-5.43#
20		Endosulfan II		1.175	0.000	100.0#	0#	-5.57#
21		4,4'-DDT	*	50.000	0.000	100.0#	0	-5.70#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.96#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.15#
24		Mirex	*	50.000	0.000	100.0#	0	-6.23#
25		Endosulfan Sulfate	*	50.000	0.000	100.0#	0	-6.33#
26		Endrin Ketone		1.275	0.000	100.0#	0#	-6.56#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.33#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-2.01#
34	l2	toxaphene-1	*	0.043	0.000	100.0#	0#	-5.56#
35	l2	toxaphene-2	*	0.043	0.000	100.0#	0#	-6.07#
36	l2	toxaphene-4	*	0.030	0.000	100.0#	0#	-6.16#
37	l2	toxaphene-5	*	0.044	0.000	100.0#	0#	-6.24#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-2.06#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.223	0.000	100.0#	0#	-2.66#
3		Hexachlorobenzene	*	50.000	0.000	100.0#	0	-3.04#
4		alpha-BHC		1.533	0.000	100.0#	0#	-3.15#
5		gamma-BHC (lindane)		1.477	0.000	100.0#	0#	-3.48#
6		beta-BHC	*	50.000	0.000	100.0#	0	-3.55#
7		delta-BHC		1.443	0.000	100.0#	0#	-3.85#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 22 Jul 2024 21:53
Operator : pest20:ejl
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 21   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:24:30 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:23:58 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.403	0.000	100.0#	0#	-3.92#
9		Aldrin		1.268	0.000	100.0#	0#	-4.27#
10		Alachlor	*	50.000	0.000	100.0#	0	-4.14#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.52#
12		Heptachlor Epoxide		1.268	0.000	100.0#	0#	-4.93#
13		gamma-Chlordane (trans)		1.090	0.000	100.0#	0#	-5.14#
14		alpha-Chlordane (cis)		1.237	0.000	100.0#	0#	-5.30#
15		4,4'-DDE		1.193	0.000	100.0#	0#	-5.47#
16		Endosulfan I		1.153	0.000	100.0#	0#	-5.35#
17		Dieldrin		1.161	0.000	100.0#	0#	-5.63#
18		Endrin		1.185	0.000	100.0#	0#	-5.91#
19		4,4'-DDD		0.979	0.000	100.0#	0#	-6.02#
20		Endosulfan II		1.098	0.000	100.0#	0#	-6.10#
21		4,4'-DDT		1.110	0.000	100.0#	0#	-6.29#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-6.38#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.83#
24		Mirex	*	50.000	0.000	100.0#	0	-6.99#
25		Endosulfan Sulfate	*	50.000	0.000	100.0#	0	-6.61#
26		Endrin Ketone		1.192	0.000	100.0#	0#	-7.02#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.90#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-2.06#
34	l2	toxaphene-1	*	0.023	0.000	100.0#	0#	-6.06#
35	l2	toxaphene-2	*	0.034	0.000	100.0#	0#	-6.09#
36	l2	toxaphene-4	*	0.039	0.000	100.0#	0#	-6.39#
37	l2	toxaphene-5	*	0.038	0.000	100.0#	0#	-6.79#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:53
Operator : pest20:ejl
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:24:30 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:23:58 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	2.010	2.065	53282302	81942988	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:53
Operator : pest20:ejl
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:24:30 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:23:58 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.443	3.768	73746032	106.6E6	874.631	954.598
30)	l1	chlordane-3	3.923	4.433	89470488	125.2E6	874.303	952.183M3
31)	l1	chlordane-4	4.545	5.140	297.7E6	391.0E6	851.331	908.193M3
32)	l1	chlordane-5	4.679	5.296	508.3E6	301.4E6	942.704	894.940
	Sum	chlordane-1			969.1E6	924.2E6	NoCal	NoCal D
Average		chlordane-1					885.742	927.479
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

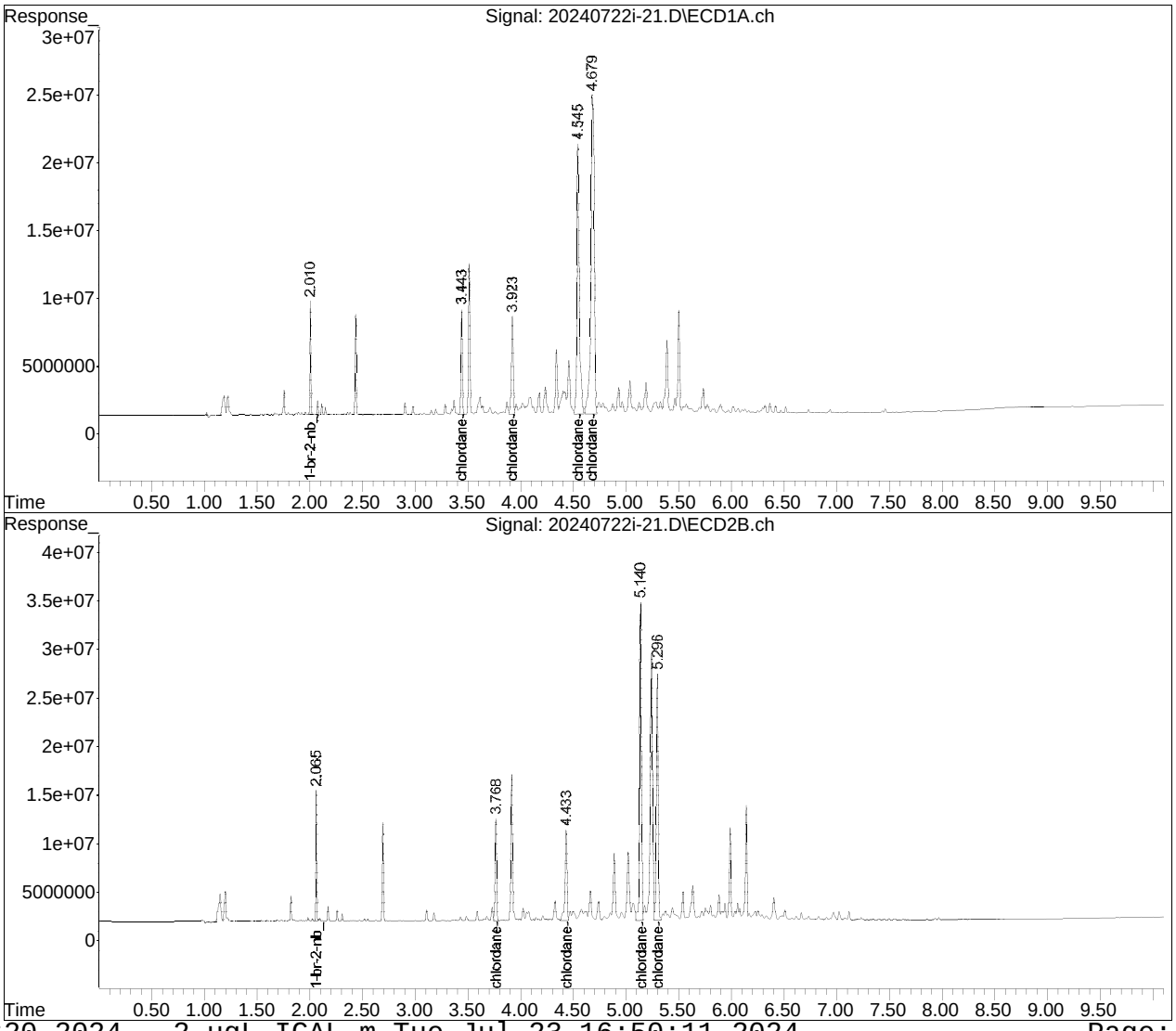
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 21:53
Operator : pest20:ejl
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:24:30 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:23:58 2024
Response via : Initial Calibration
Integrator: ChemStation

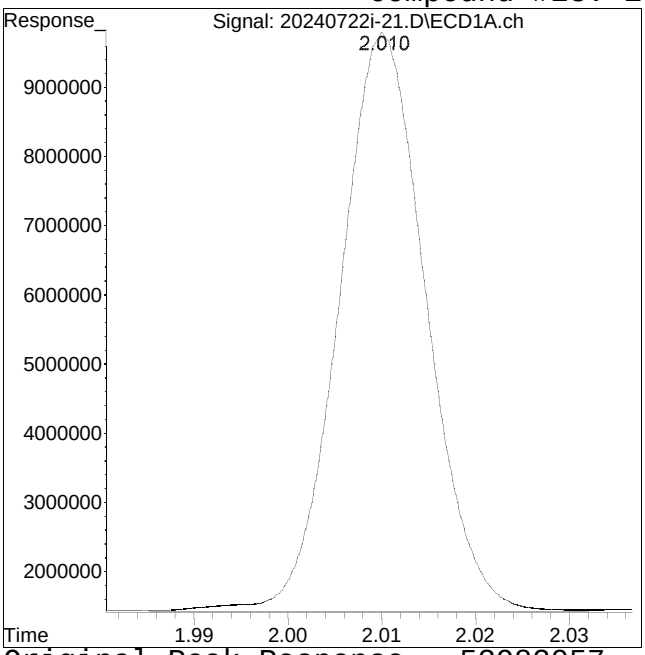
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

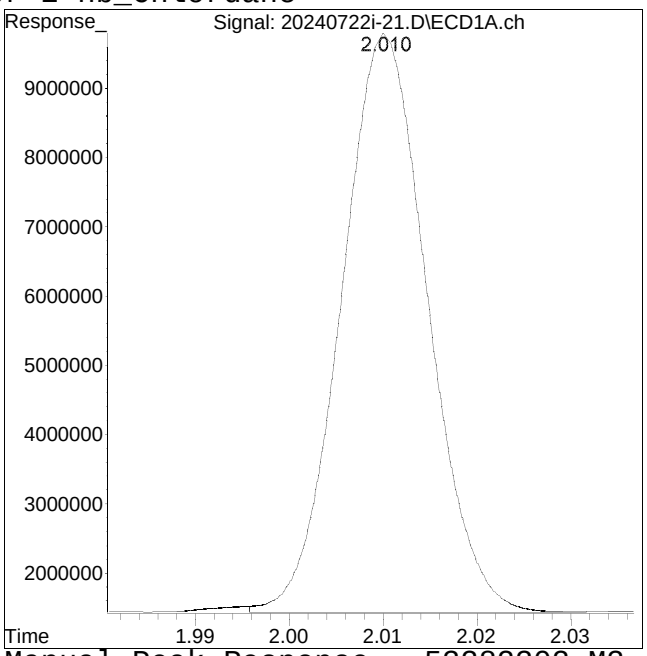


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-21.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:53 Instrument : PEST 20
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 7/23/2024 2:24 pm

Compound #28: 1-br-2-nb_Chlordane



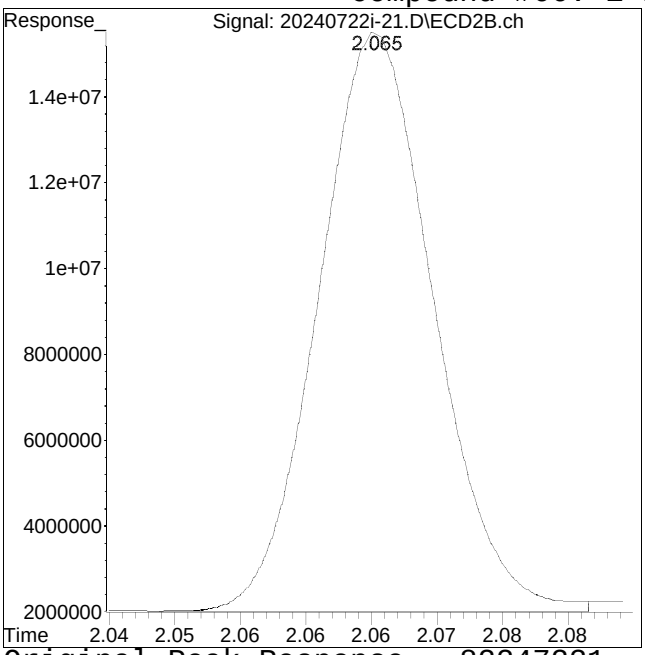


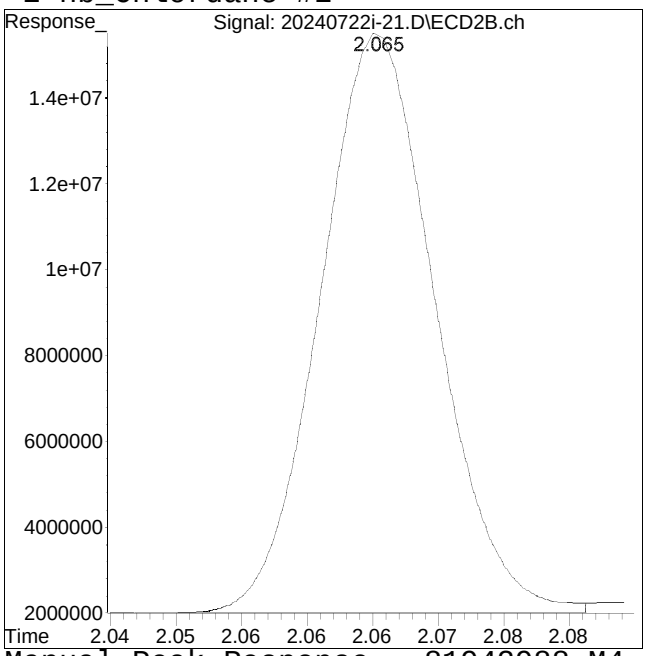
Original Peak Response = 53982057 Manual Peak Response = 53282302 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-21.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:53 Instrument : PEST 20
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 7/23/2024 2:24 pm

Compound #66: 1-br-2-nb_Chlordane #2



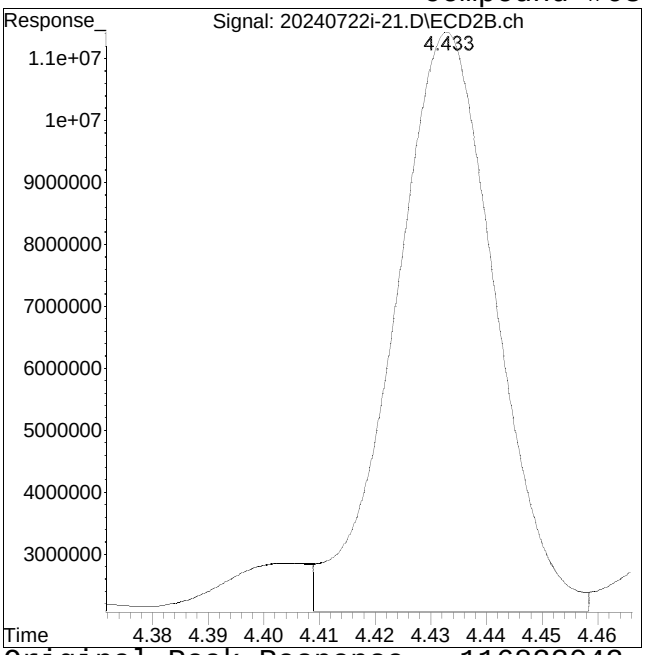


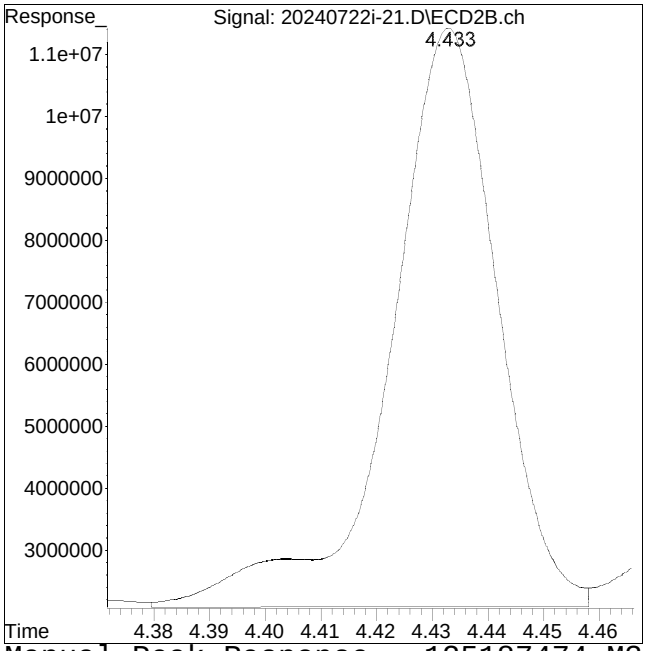
Original Peak Response = 82247231 Manual Peak Response = 81942988 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-21.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:53 Instrument : PEST 20
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 7/23/2024 2:24 pm

Compound #68: chlordane-3 #2



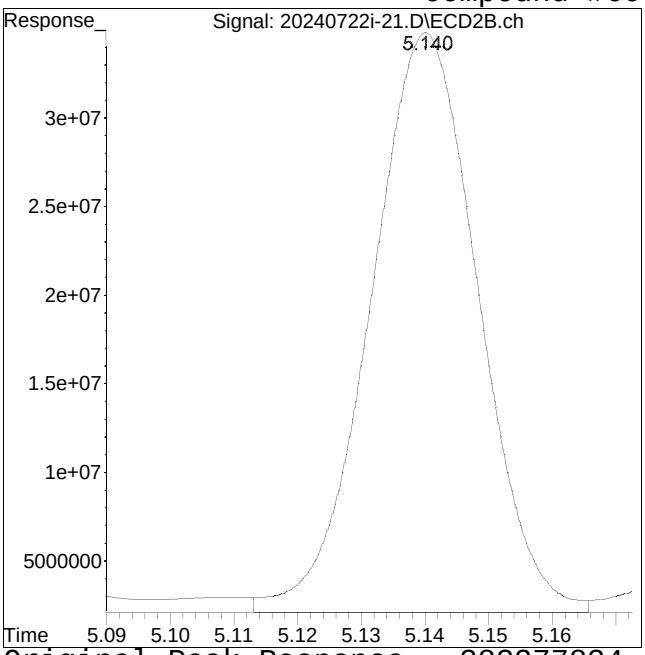


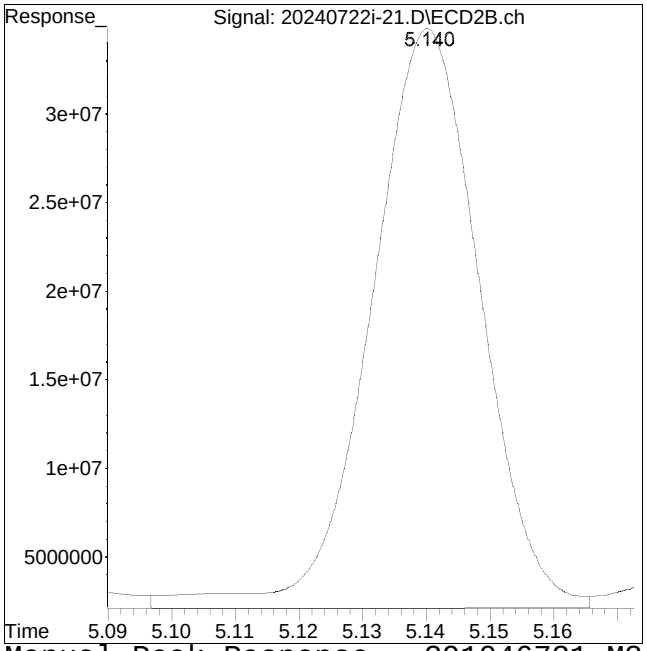
Original Peak Response = 116833042 Manual Peak Response = 125187474 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-21.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 21:53 Instrument : PEST 20
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 7/23/2024 2:24 pm

Compound #69: chlordane-4 #2





Original Peak Response = 383377834 Manual Peak Response = 391046731 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:05
Operator : pest20:ejl
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:31:13 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	2.009	2.065	52522268	82768638	25.000M4	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D.	N.D.
14)	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:05
Operator : pest20:ejl
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:31:13 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D.	N.D.
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D.	N.D.
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.557	6.058	1801980	1449965	19.779	19.319M4
35) l2	toxaphene-2	6.067	6.087	1994294	2343061	22.947M4	21.155M4
36) l2	toxaphene-4	6.162	6.389	1602672	2790765	27.696M4	21.904M4
37) l2	toxaphene-5	6.244	6.794	2228060	2948500	25.207M4	24.191M4
Sum	toxaphene-1			7627007	9532291	95.628	86.569
Average	toxaphene-1					23.907	21.642

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			7627007	9532291	95.628	86.569
Average	toxaphene-1					23.907	21.642

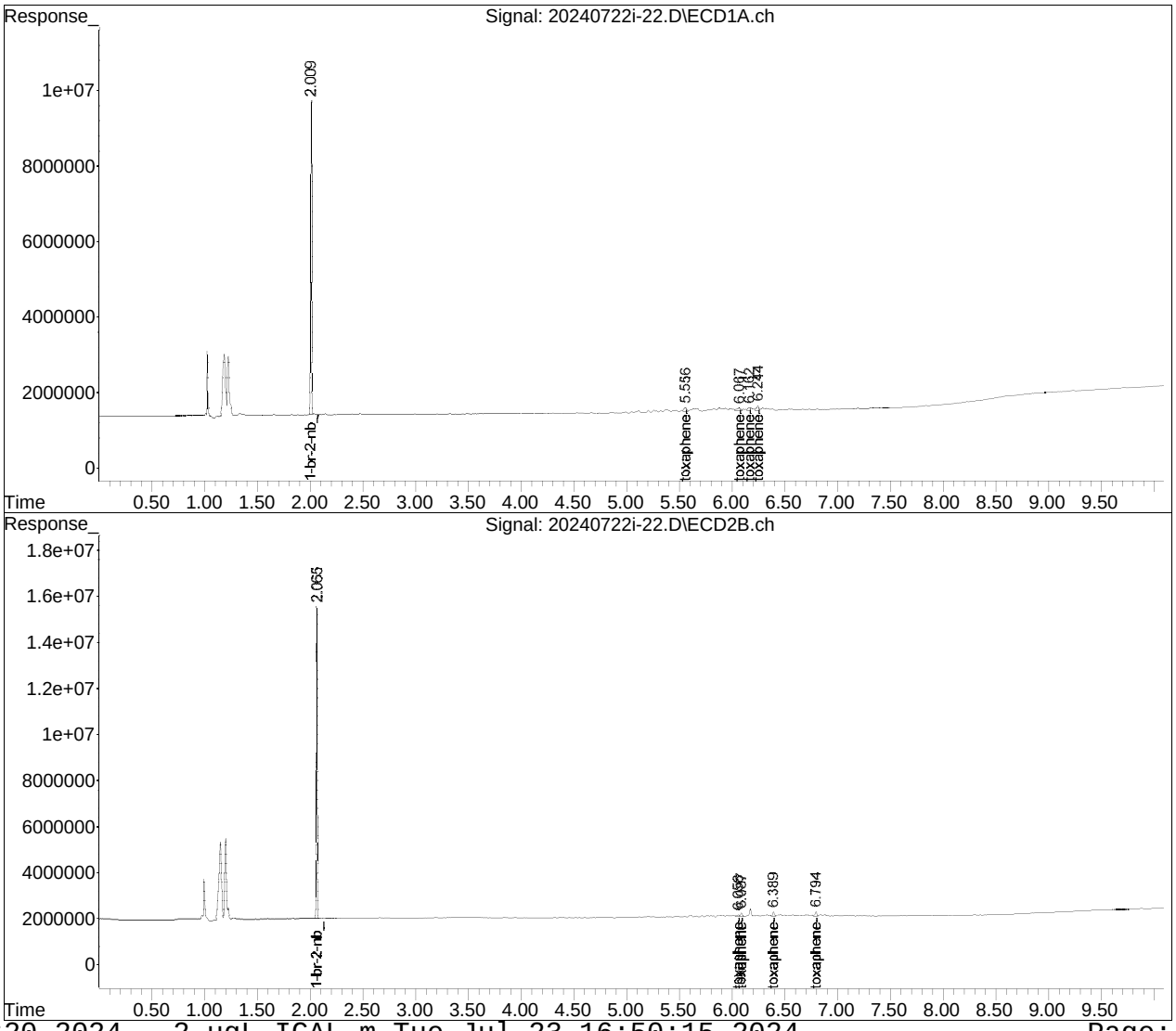
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:05
Operator : pest20:ejl
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:31:13 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation

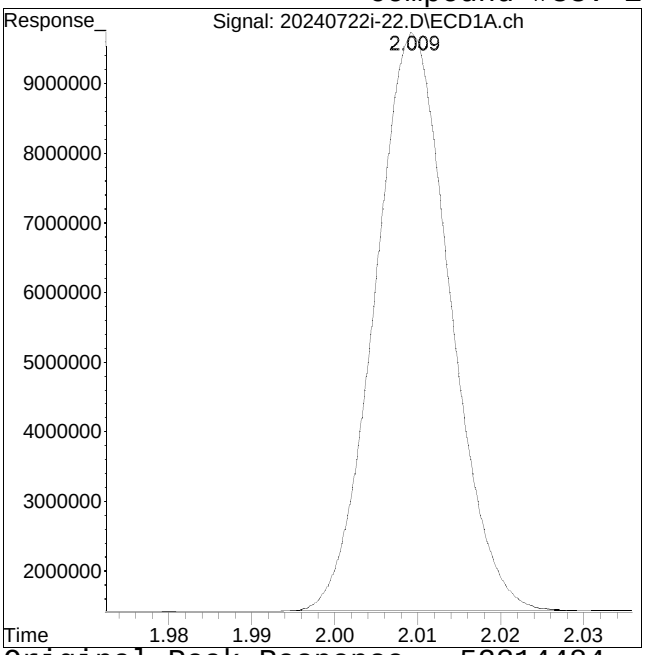
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



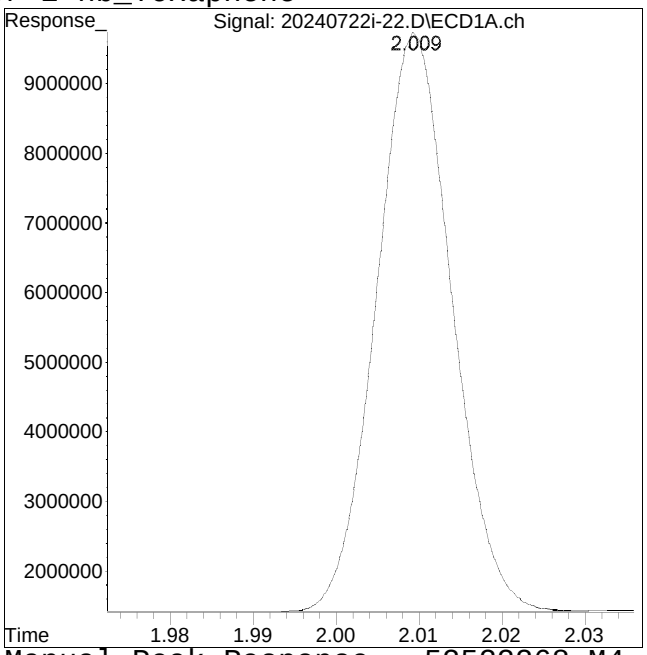
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-22.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:05 Instrument : PEST 20
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 7/23/2024 2:31 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 52314484



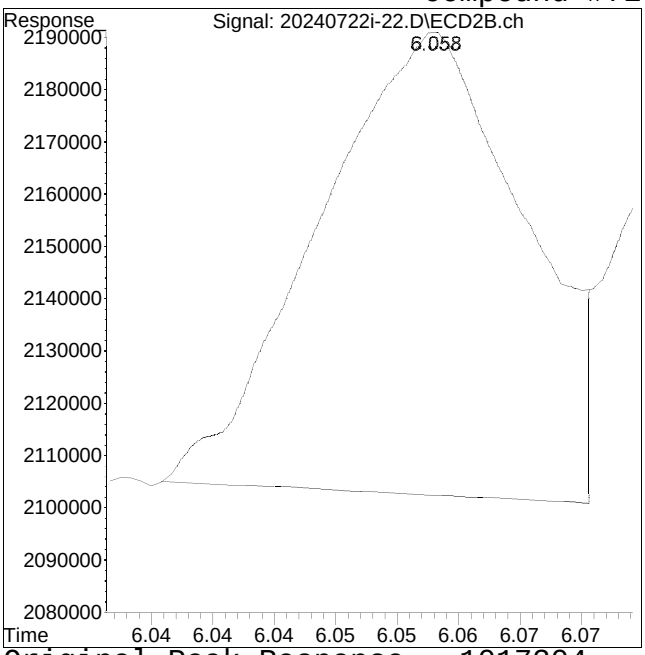
Manual Peak Response = 52522268 M4
M4 = Poor automated baseline construction.

Manual Integration Report

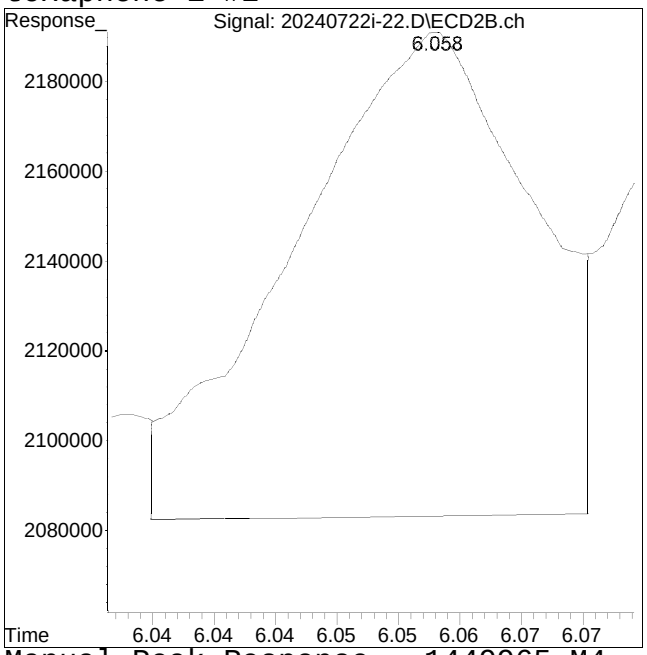
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-22.D
Date Inj'd : 7/22/2024 22:05
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:31 pm

Compound #72: toxaphene-1 #2



Original Peak Response = 1017304



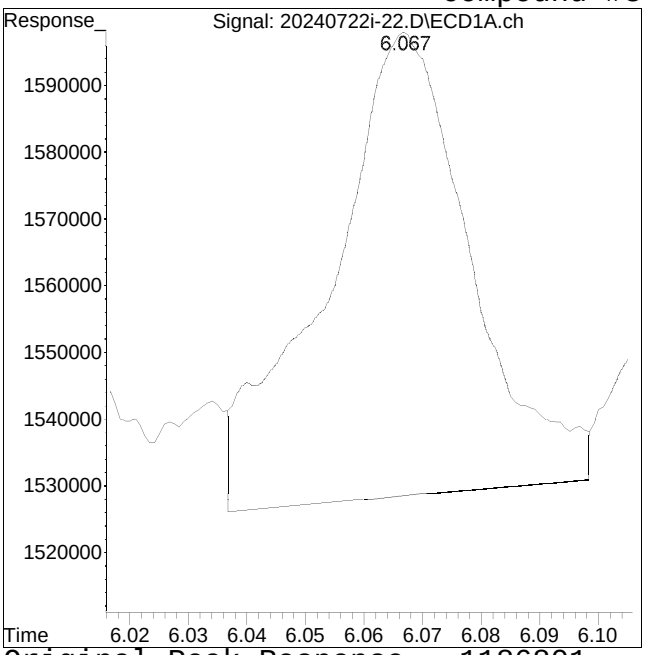
Manual Peak Response = 1449965 M4

M4 = Poor automated baseline construction.

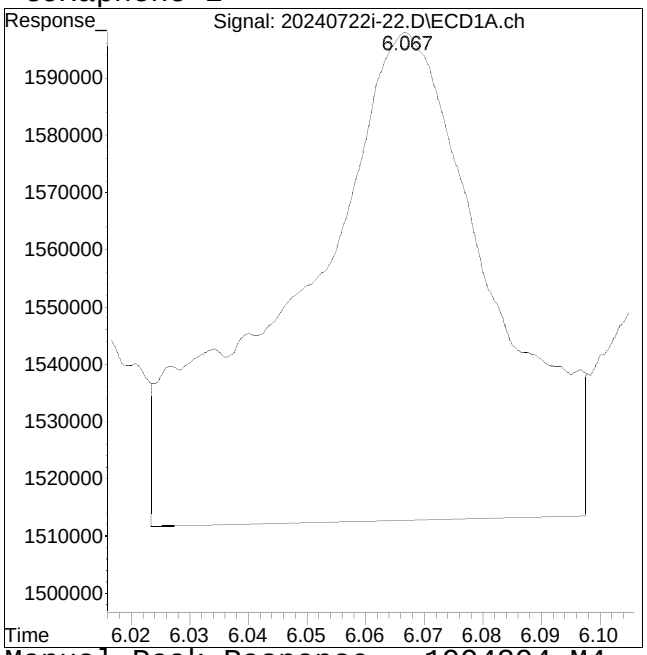
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-22.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:05 Instrument : PEST 20
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 7/23/2024 2:31 pm

Compound #35: toxaphene-2



Original Peak Response = 1186801



Manual Peak Response = 1994294 M4

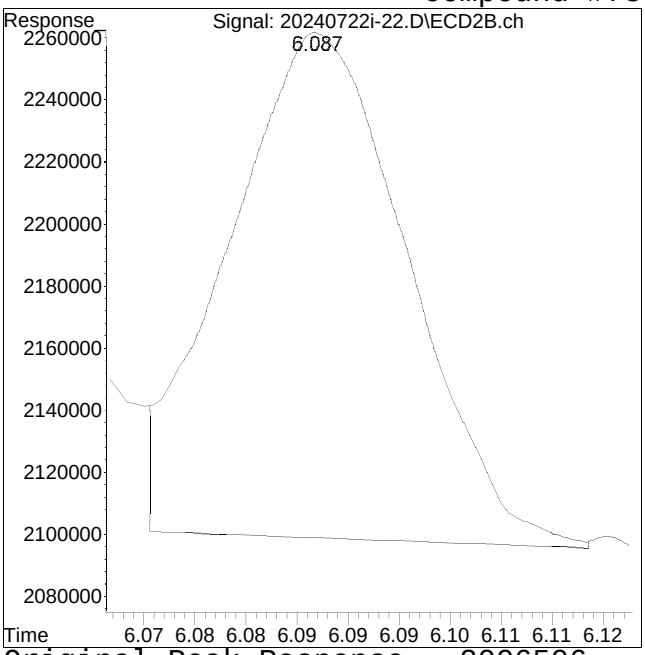
M4 = Poor automated baseline construction.

Manual Integration Report

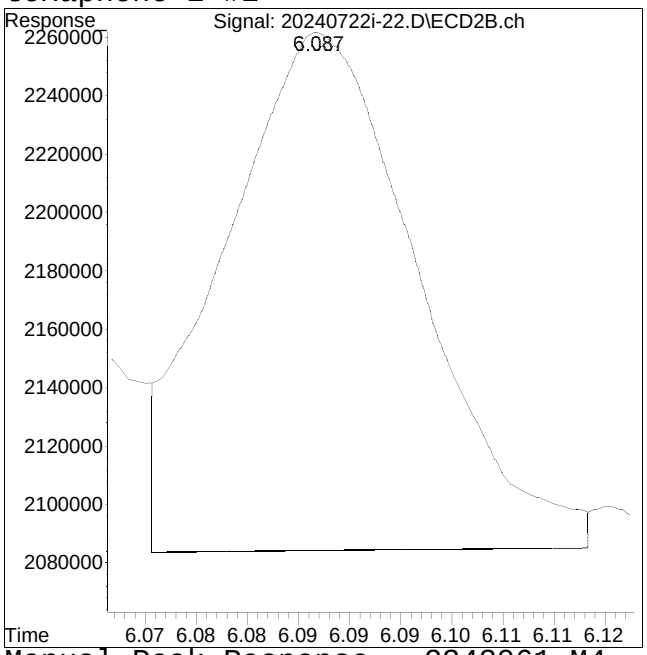
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-22.D
Date Inj'd : 7/22/2024 22:05
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:31 pm

Compound #73: toxaphene-2 #2



Original Peak Response = 2006506



Manual Peak Response = 2343061 M4

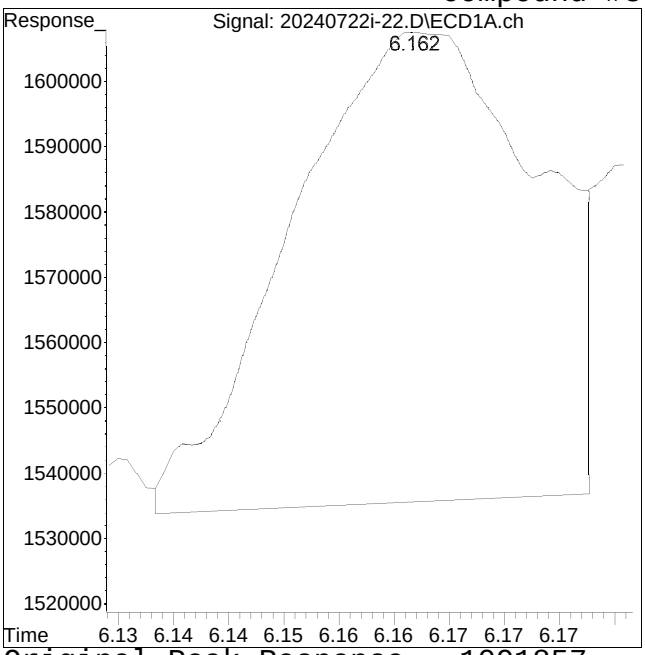
M4 = Poor automated baseline construction.

Manual Integration Report

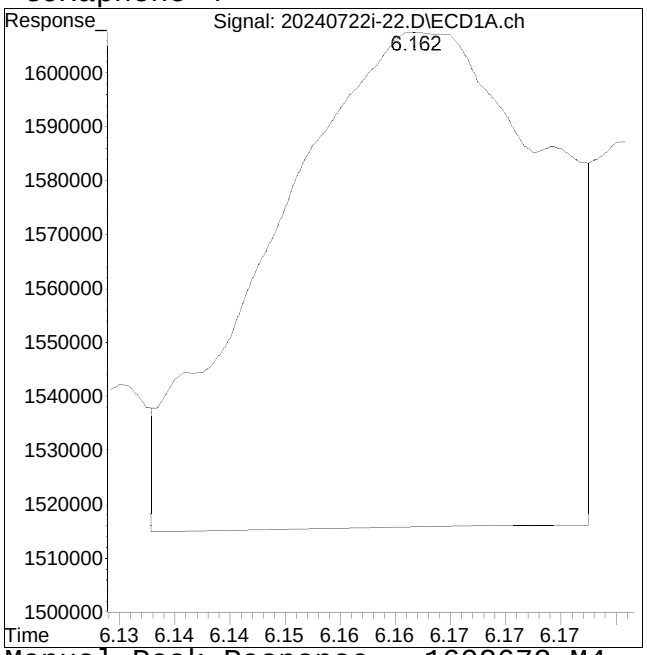
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-22.D
Date Inj'd : 7/22/2024 22:05
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:31 pm

Compound #36: toxaphene-4



Original Peak Response = 1091857



Manual Peak Response = 1602672 M4

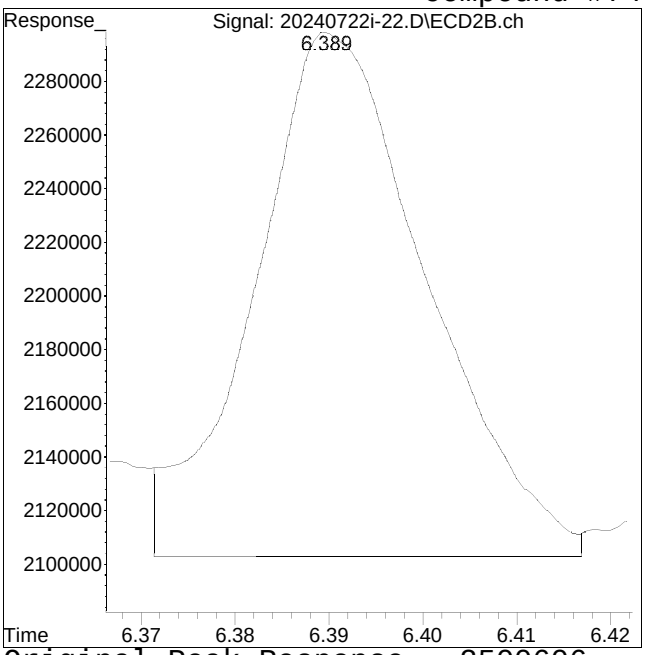
M4 = Poor automated baseline construction.

Manual Integration Report

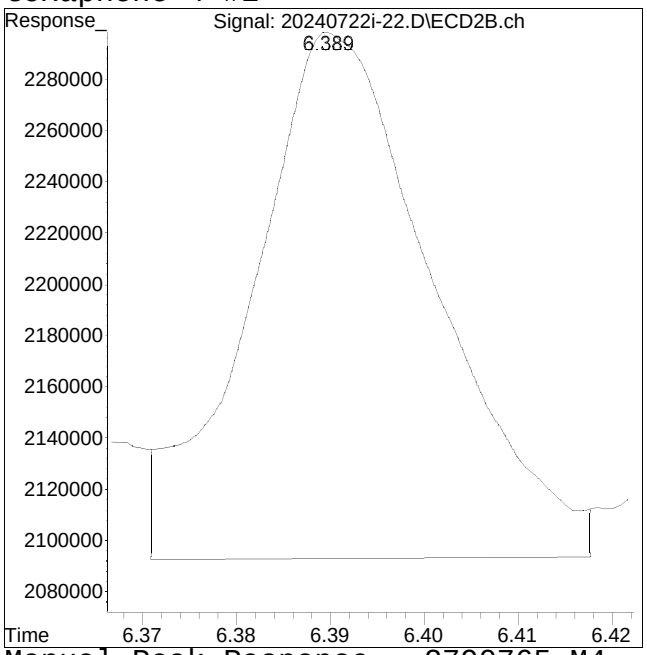
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-22.D
Date Inj'd : 7/22/2024 22:05
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:31 pm

Compound #74: toxaphene-4 #2



Original Peak Response = 2500606



Manual Peak Response = 2790765 M4

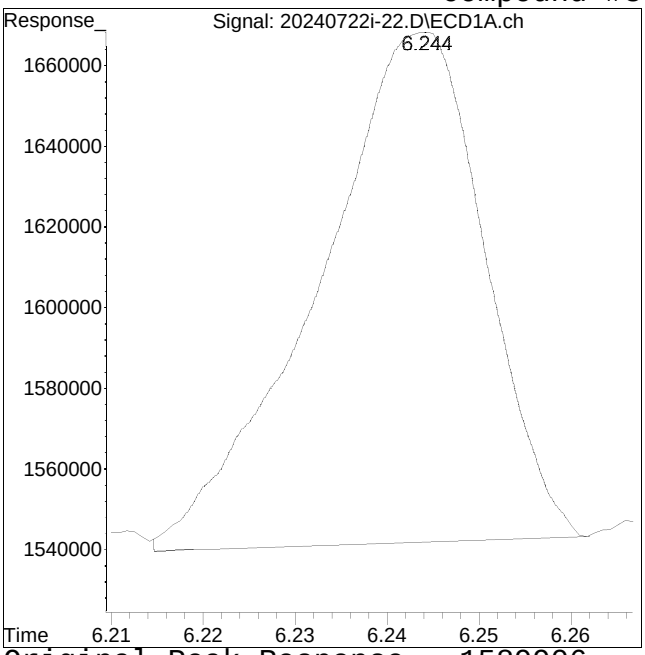
M4 = Poor automated baseline construction.

Manual Integration Report

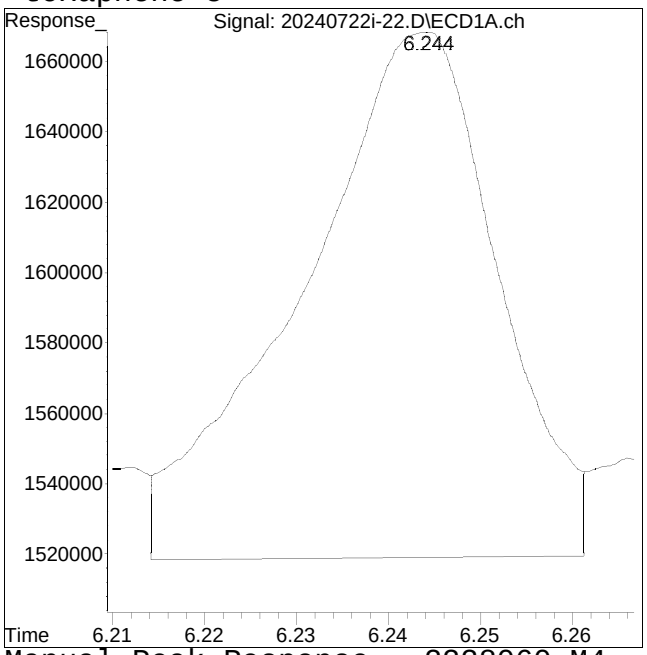
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-22.D
Date Inj'd : 7/22/2024 22:05
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:31 pm

Compound #37: toxaphene-5



Original Peak Response = 1589906



Manual Peak Response = 2228060 M4

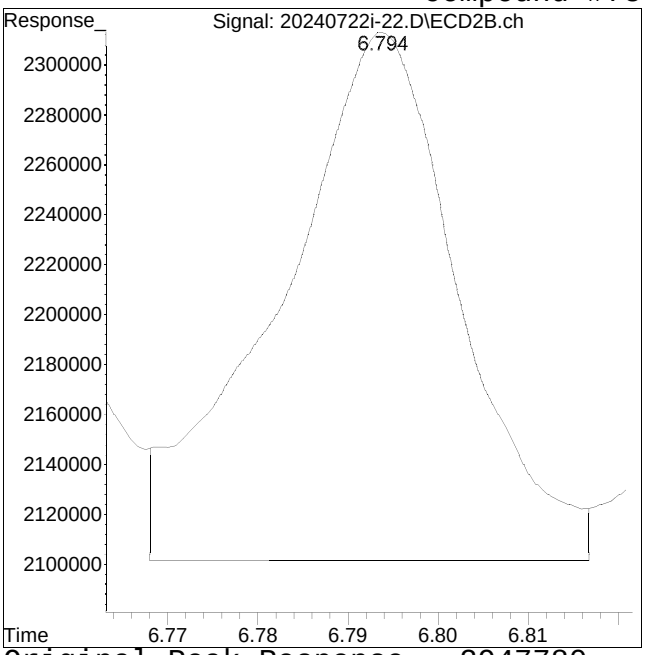
M4 = Poor automated baseline construction.

Manual Integration Report

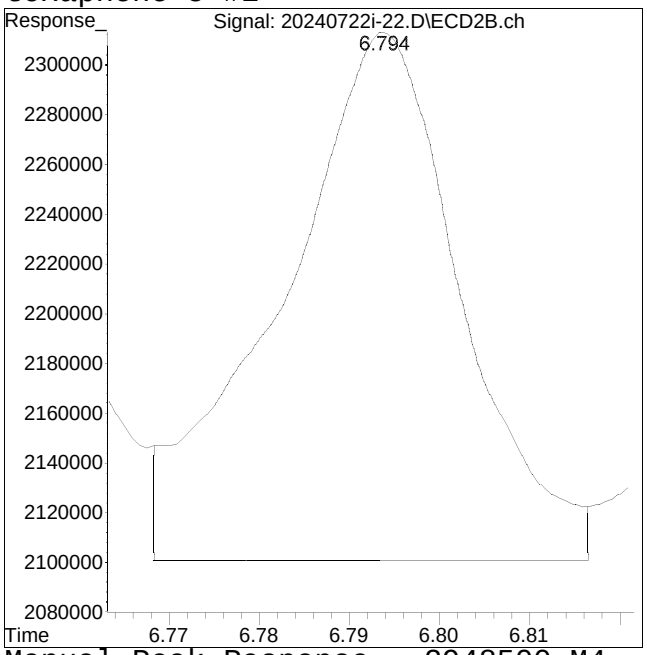
Data Path : I:\PEST\Pest20\2024\240722Q
Data File : 20240722i-22.D
Date Inj'd : 7/22/2024 22:05
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 7/23/2024 2:31 pm

Compound #75: toxaphene-5 #2



Original Peak Response = 2947780



Manual Peak Response = 2948500 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:18
Operator : pest20:ejl
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:29:13 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:29:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	2.009	2.064	51810590	81156173	25.000M4	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10)	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:18
Operator : pest20:ejl
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:29:13 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:29:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.556	6.057	10211438	8450116	119.030M4	120.793
35) l2	toxaphene-2	6.065	6.087	9022017	12273629	107.103M3	118.141
36) l2	toxaphene-4	6.163	6.391	6461388	13952728	118.399M4	116.217
37) l2	toxaphene-5	6.244	6.794	9890411	13600372	118.746M4	119.290
Sum	toxaphene-1			35585254	48276844	463.279	474.442
Average	toxaphene-1					115.820	118.610

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			35585254	48276844	463.279	474.442
Average	toxaphene-1					115.820	118.610

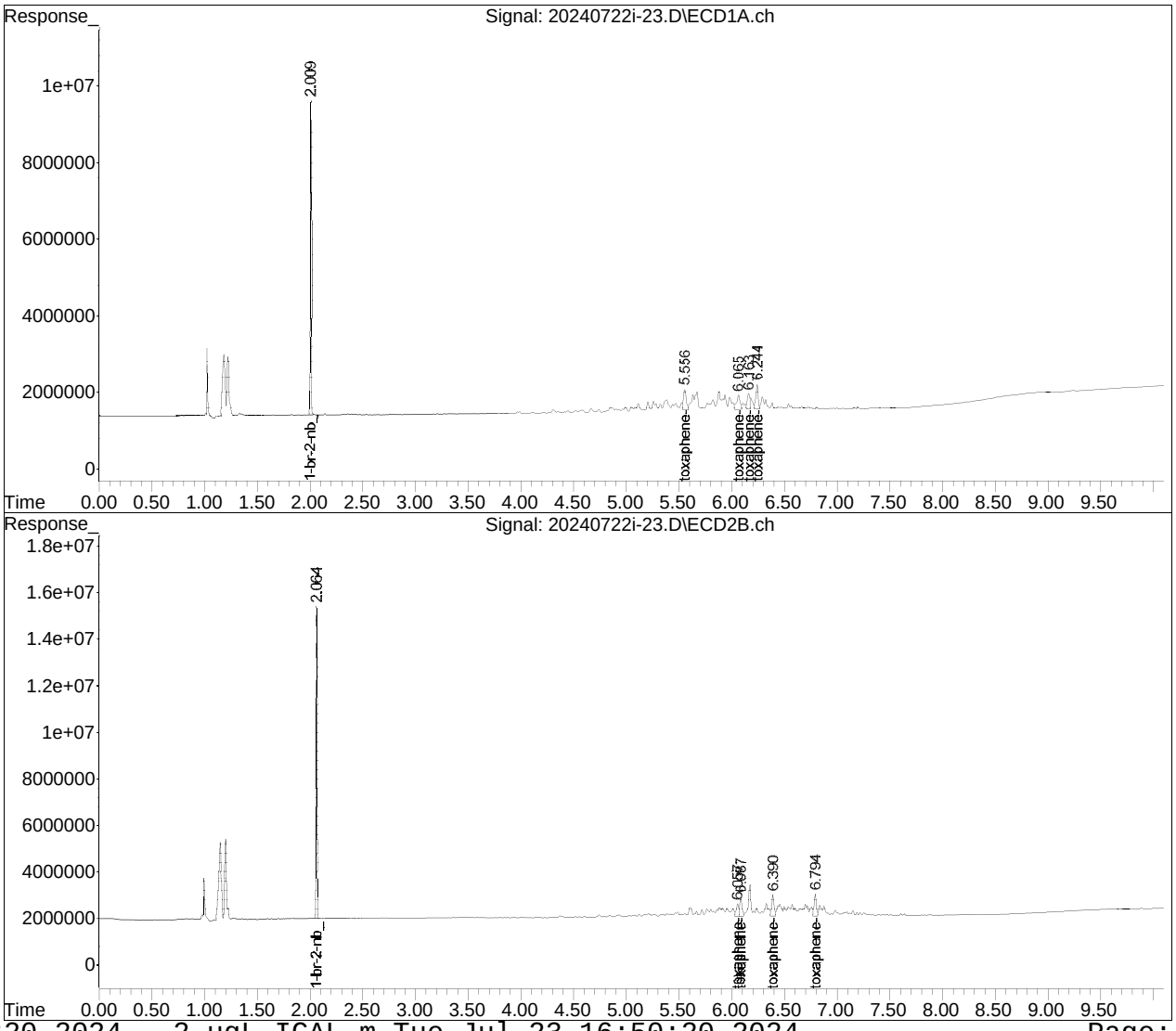
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:18
Operator : pest20:ejl
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:29:13 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:29:03 2024
Response via : Initial Calibration
Integrator: ChemStation

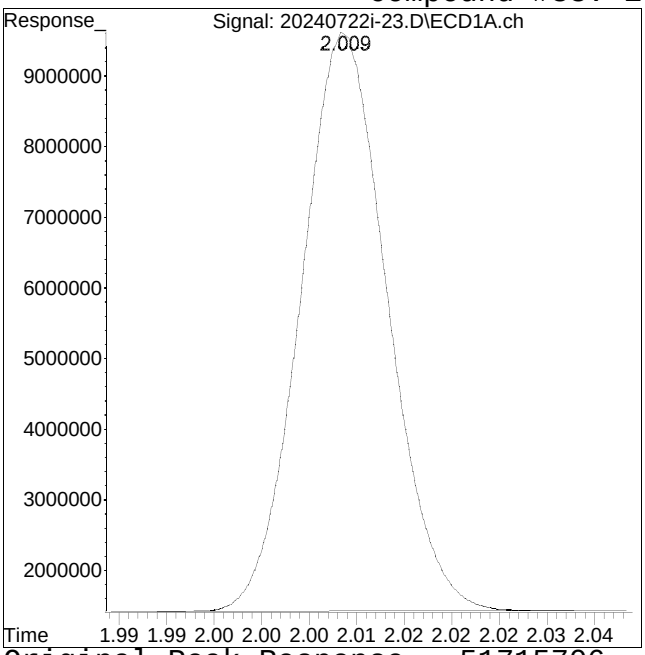
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



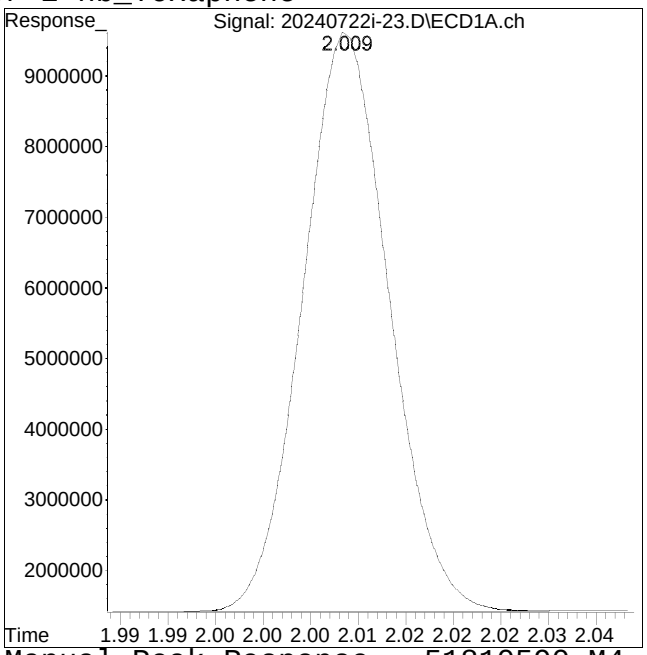
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-23.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:18 Instrument : PEST 20
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 7/23/2024 2:29 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 51715706



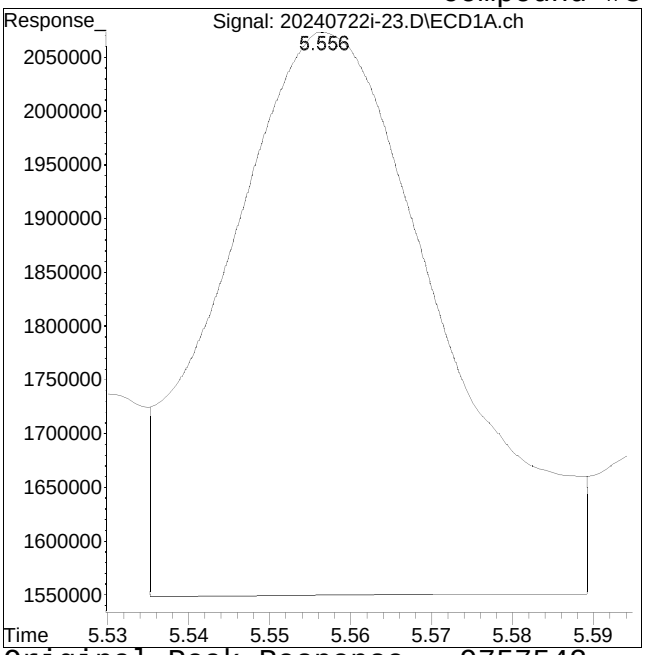
Manual Peak Response = 51810590 M4

M4 = Poor automated baseline construction.

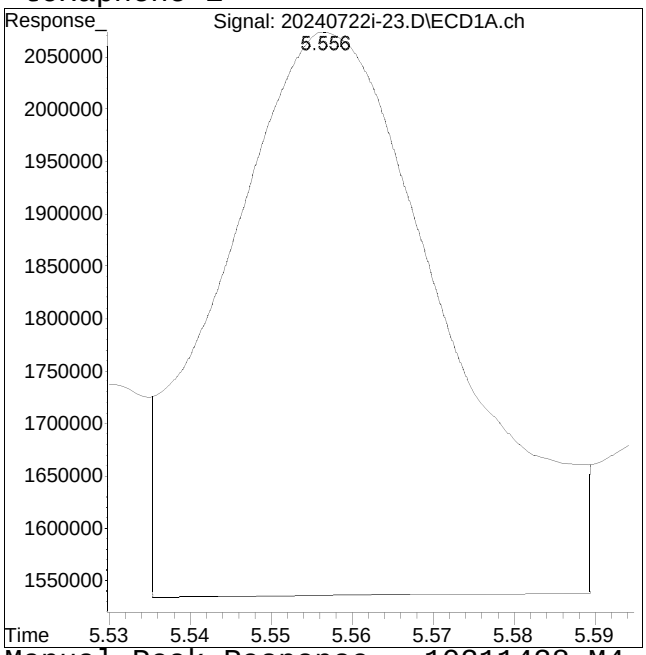
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-23.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:18 Instrument : PEST 20
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 7/23/2024 2:29 pm

Compound #34: toxaphene-1



Original Peak Response = 9757542



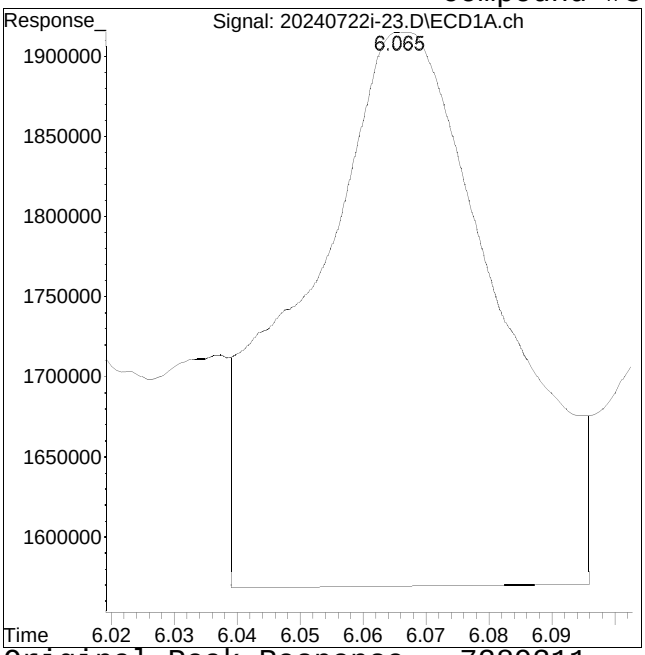
Manual Peak Response = 10211438 M4

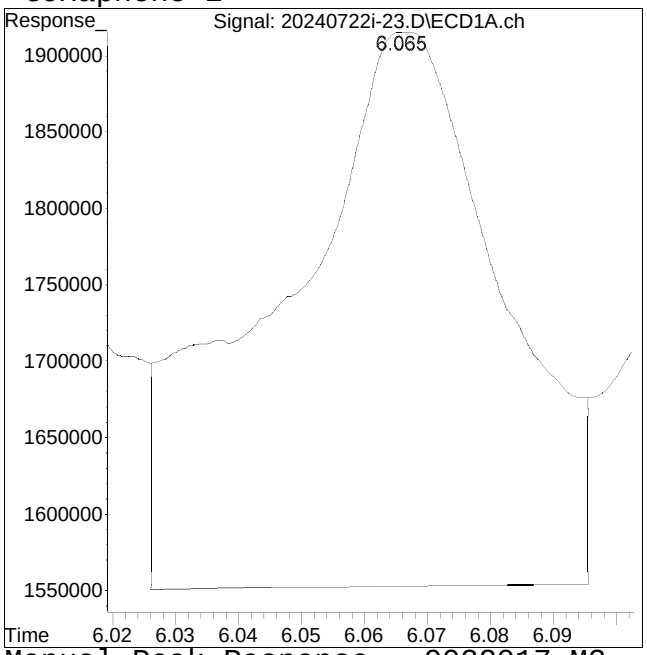
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-23.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:18 Instrument : PEST 20
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 7/23/2024 2:29 pm

Compound #35: toxaphene-2



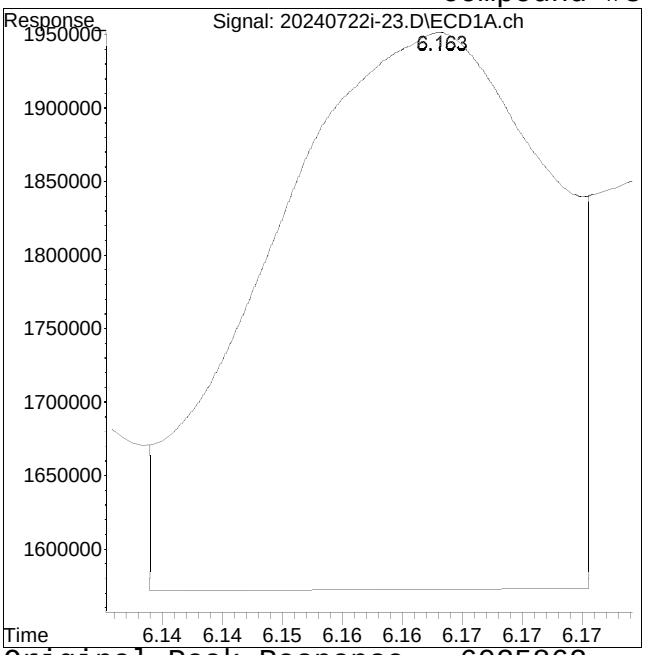


Original Peak Response = 7289311 Manual Peak Response = 9022017 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

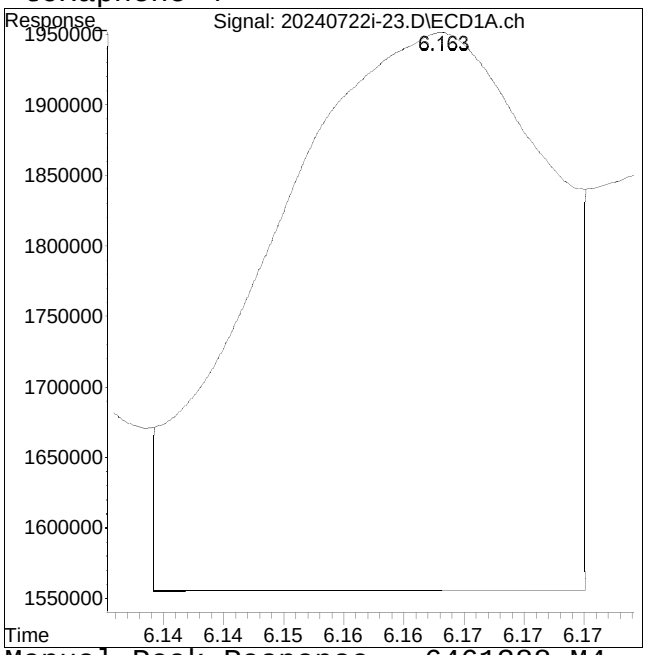
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-23.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:18 Instrument : PEST 20
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 7/23/2024 2:29 pm

Compound #36: toxaphene-4



Original Peak Response = 6025862



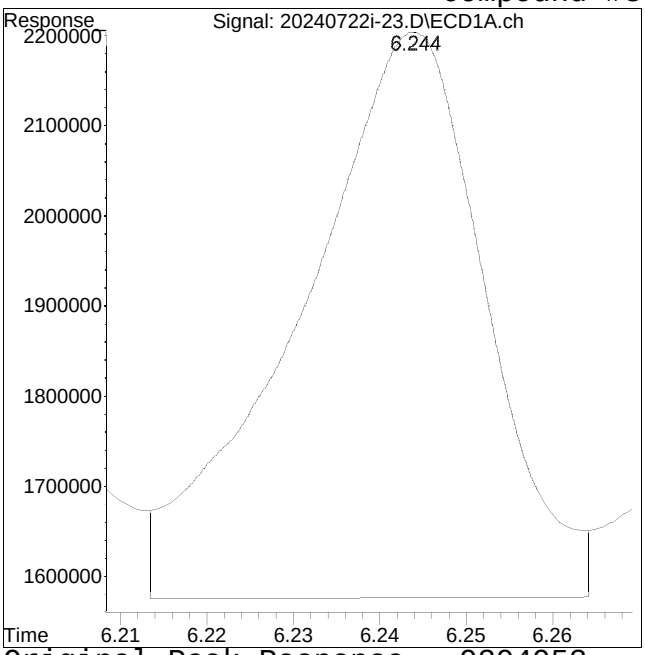
Manual Peak Response = 6461388 M4

M4 = Poor automated baseline construction.

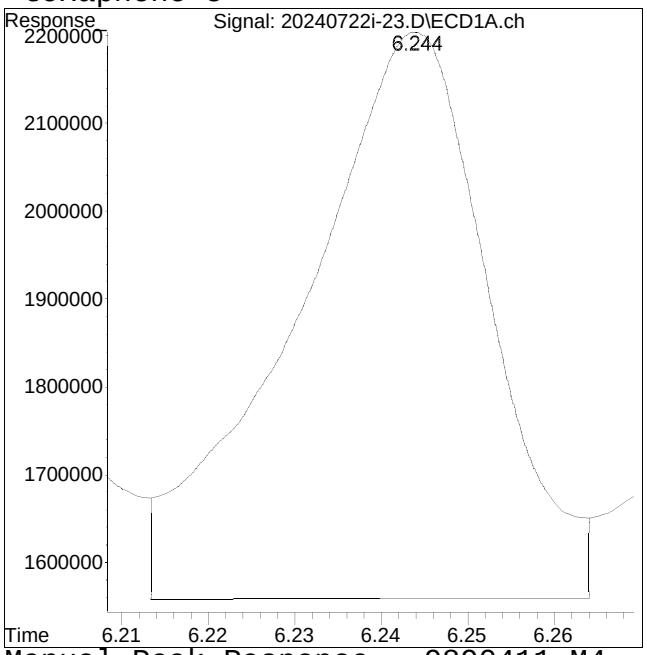
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-23.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:18 Instrument : PEST 20
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 7/23/2024 2:29 pm

Compound #37: toxaphene-5



Original Peak Response = 9394953



Manual Peak Response = 9890411 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:30
Operator : pest20:ejl
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:28:23 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:28:17 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	2.009	2.064	53328589	82924599	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:30
Operator : pest20:ejl
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:28:23 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:28:17 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.558	6.058	96639621	73444227	1148.651	1041.805
35) l2	toxaphene-2	6.067	6.087	92883487	109.8E6	1110.846	1052.147
36) l2	toxaphene-4	6.162	6.391	60400151	125.8E6	1117.328	1039.152
37) l2	toxaphene-5	6.244	6.795	91901899	119.8E6	1112.005	1043.284
Sum	toxaphene-1			341.8E6	428.9E6	4488.829	4176.388
Average	toxaphene-1					1122.207	1044.097

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			341.8E6	428.9E6	4488.829	4176.388
Average	toxaphene-1					1122.207	1044.097

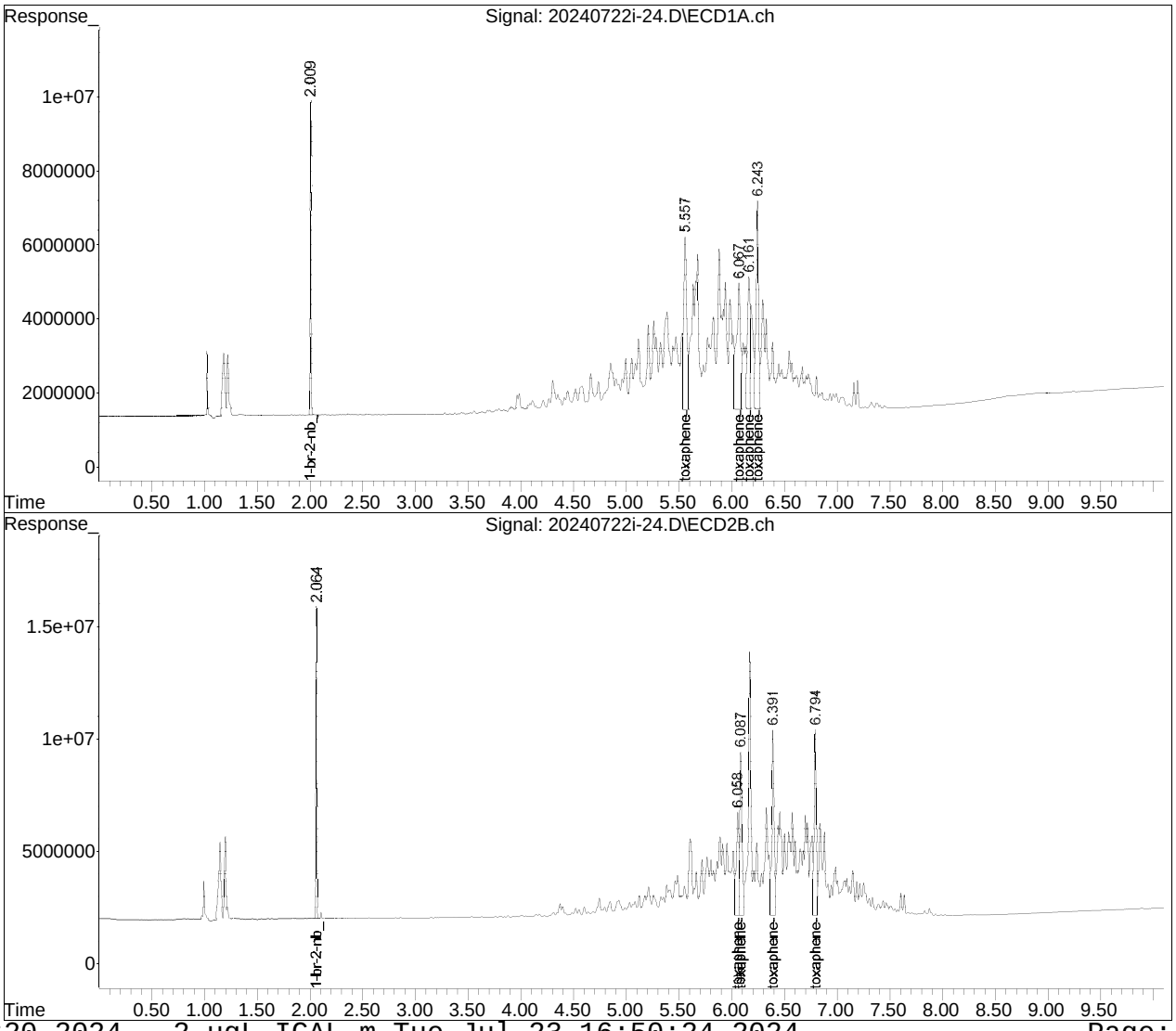
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:30
Operator : pest20:ejl
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:28:23 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:28:17 2024
Response via : Initial Calibration
Integrator: ChemStation

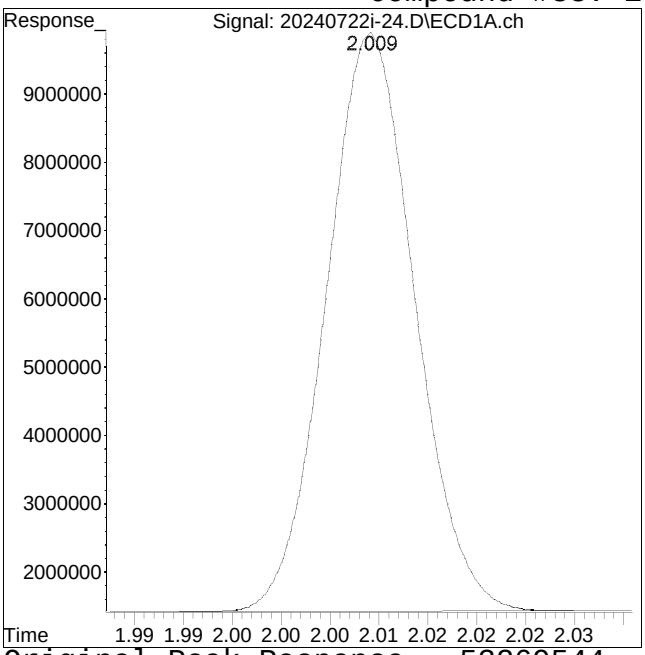
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



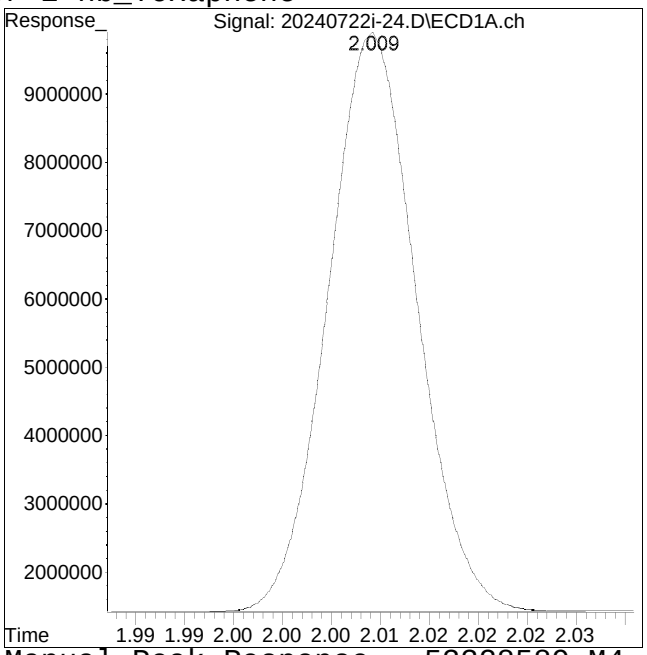
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-24.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:30 Instrument : PEST 20
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 7/23/2024 2:28 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 53269544



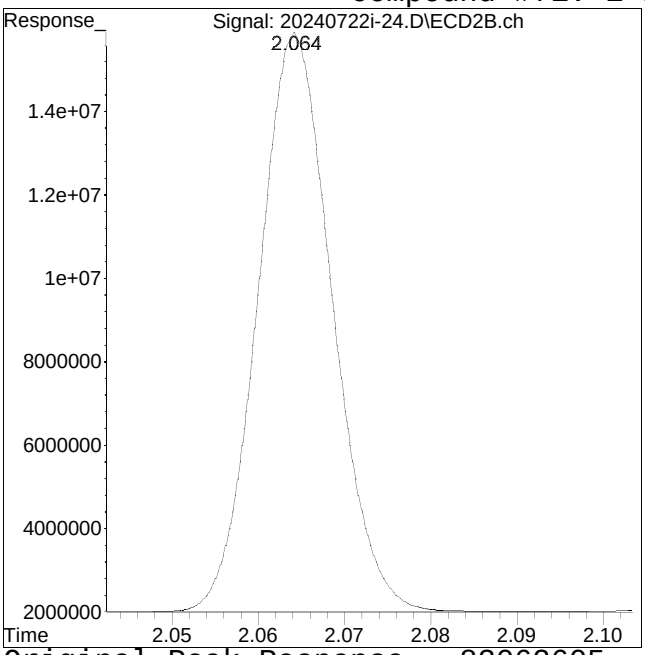
Manual Peak Response = 53328589 M4

M4 = Poor automated baseline construction.

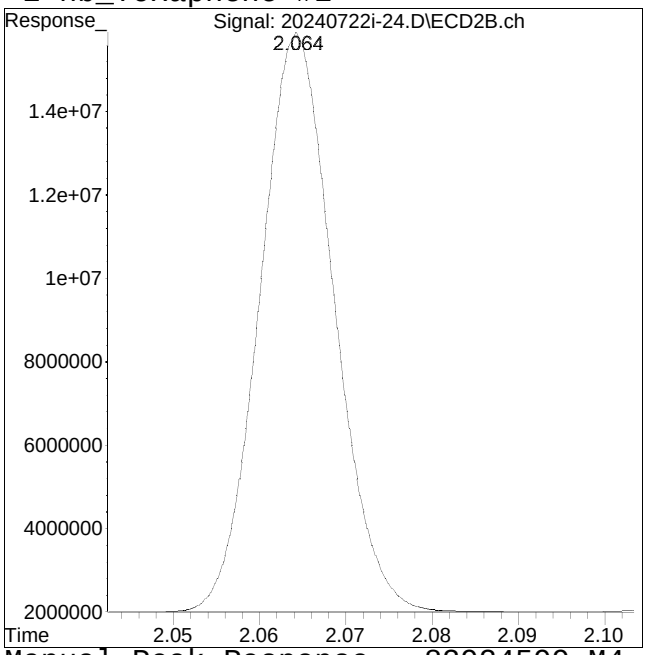
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-24.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:30 Instrument : PEST 20
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 7/23/2024 2:28 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 83062605



Manual Peak Response = 82924599 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:42
Operator : pest20:ejl
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:26:56 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:26:48 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	2.009	2.065	54460607	83405814	25.000M4	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:42
Operator : pest20:ejl
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:26:56 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:26:48 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.558	6.058	183.8E6	145.6E6	NoCal	NoCal
35) l2	toxaphene-2	6.068	6.087	180.2E6	213.4E6	NoCal	NoCal
36) l2	toxaphene-4	6.163	6.391	116.4E6	247.7E6	NoCal	NoCal
37) l2	toxaphene-5	6.244	6.794	176.6E6	233.8E6	NoCal	NoCal
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

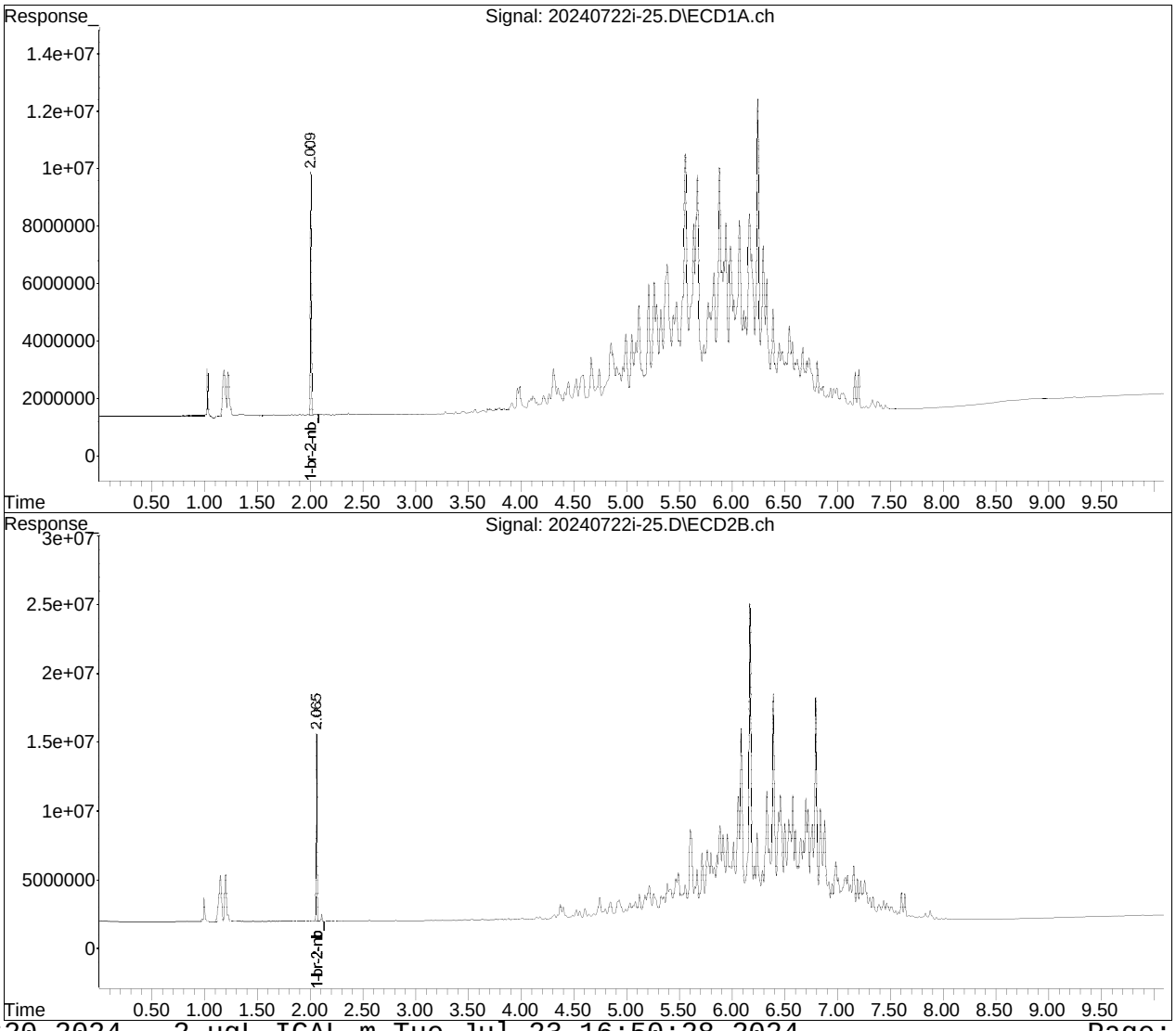
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:42
Operator : pest20:ejl
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:26:56 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:26:48 2024
Response via : Initial Calibration
Integrator: ChemStation

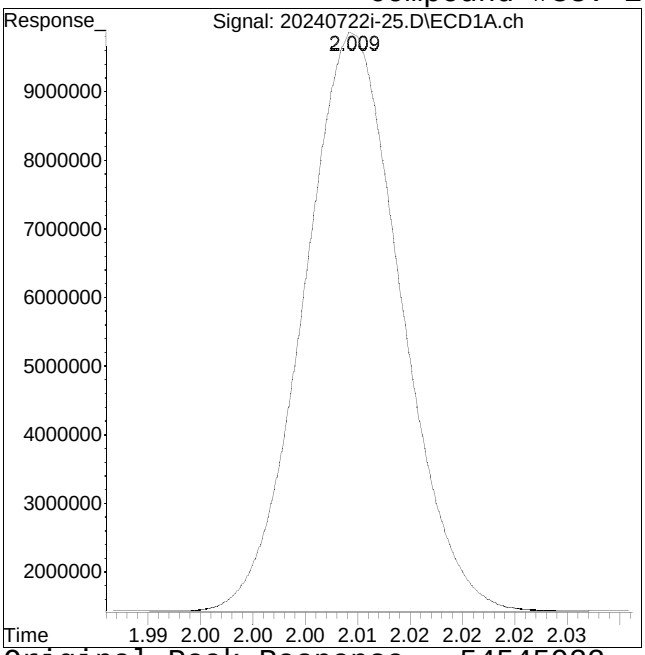
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



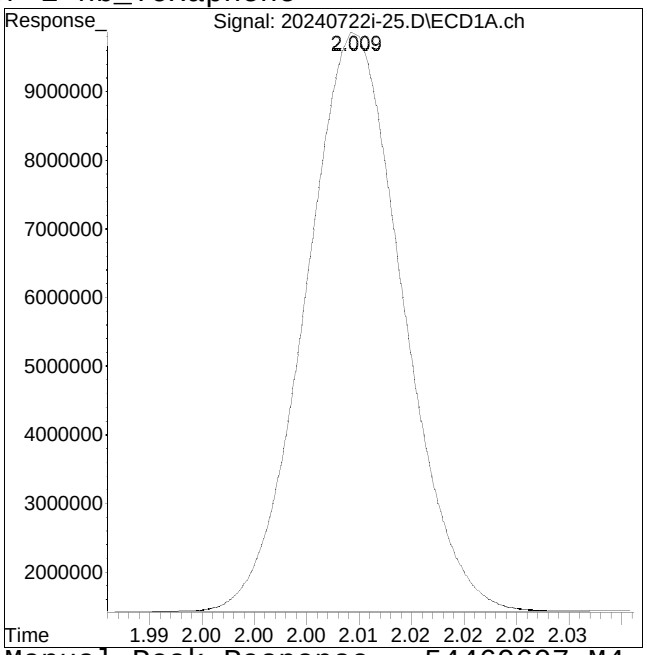
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-25.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:42 Instrument : PEST 20
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 7/23/2024 2:26 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 54545932



Manual Peak Response = 54460607 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:55
Operator : pest20:ejl
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:27:41 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:27:33 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	2.011	2.066	56883381	83929231	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:55
Operator : pest20:ejl
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:27:41 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:27:33 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.558	6.058	417.4E6	347.1E6	4348.186	4736.796
35) l2	toxaphene-2	6.069	6.087	421.3E6	519.2E6	4475.735	4834.833
36) l2	toxaphene-4	6.163	6.391	272.6E6	602.5E6	4483.989	4834.037
37) l2	toxaphene-5	6.245	6.795	420.3E6	574.2E6	4556.462	4881.238
Sum	toxaphene-1			1531.6E6	2042.9E6	17864.372	19286.904
Average	toxaphene-1					4466.093	4821.726

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			1531.6E6	2042.9E6	17864.372	19286.904
Average	toxaphene-1					4466.093	4821.726

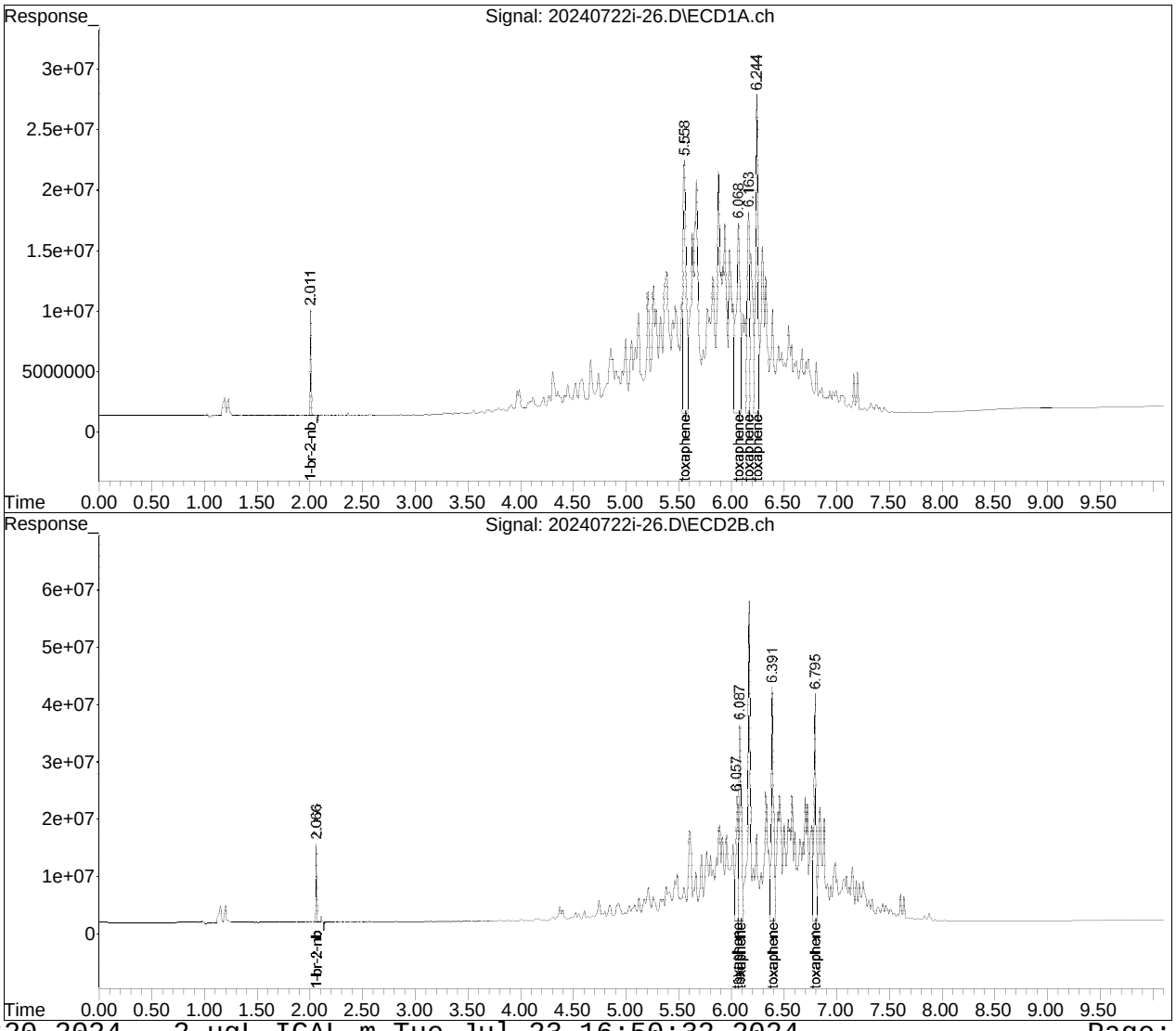
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 22:55
Operator : pest20:ejl
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:27:41 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:27:33 2024
Response via : Initial Calibration
Integrator: ChemStation

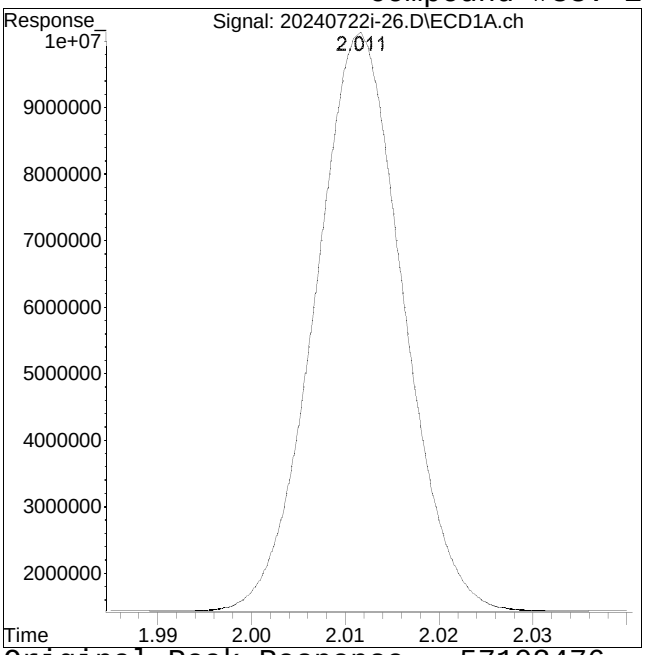
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



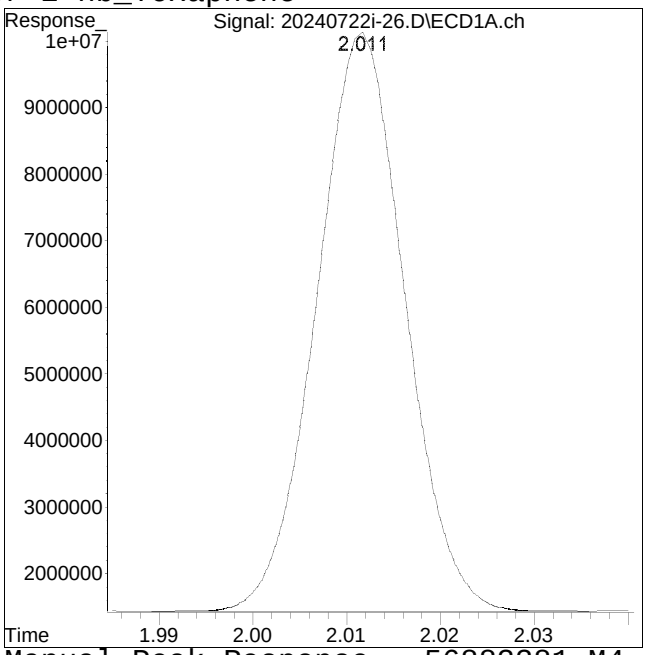
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-26.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:55 Instrument : PEST 20
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 7/23/2024 2:27 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 57102476



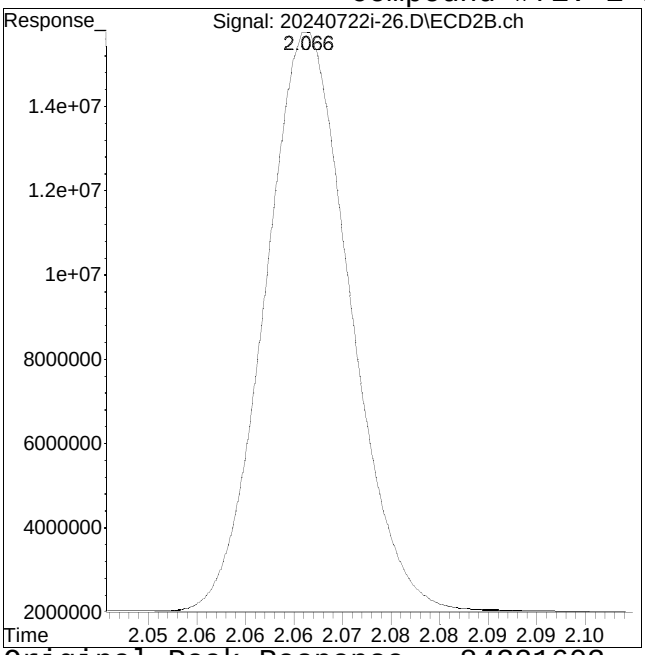
Manual Peak Response = 56883381 M4

M4 = Poor automated baseline construction.

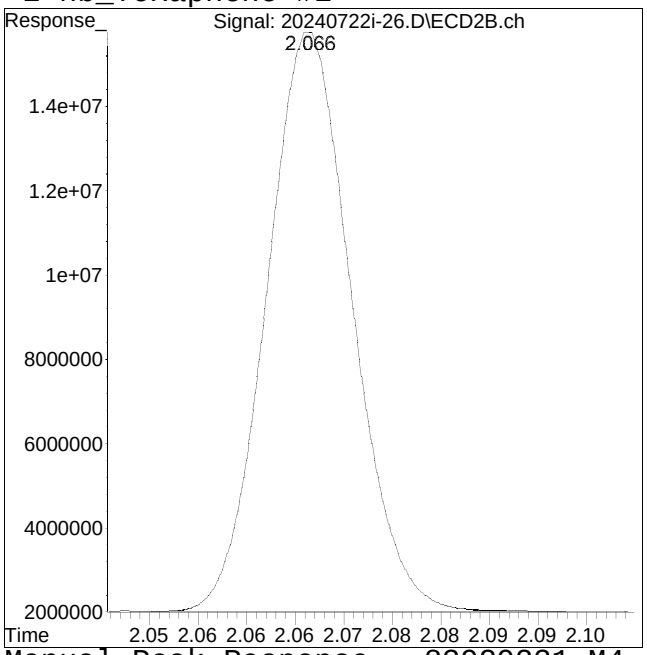
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-26.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 22:55 Instrument : PEST 20
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 7/23/2024 2:27 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 84221603



Manual Peak Response = 83929231 M4

M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 22 Jul 2024 23:07
Operator : pest20:ejl
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 27   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:35:01 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:34:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	102	0.00
34	l2	toxaphene-1		*2000.000	1910.430	4.5	89	0.00
35	l2	toxaphene-2		*2000.000	2020.455	-1.0	96	0.00
36	l2	toxaphene-4		*2000.000	1769.029	11.5	84	0.00
37	l2	toxaphene-5		*2000.000	1906.387	4.7	92	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	100	0.00
34	l2	toxaphene-1		*2000.000	2006.136	-0.3	97	0.00
35	l2	toxaphene-2		*2000.000	1913.492	4.3	93	0.00
36	l2	toxaphene-4		*2000.000	1782.047	10.9	87	0.00
37	l2	toxaphene-5		*2000.000	1904.999	4.8	94	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-2.01#
2	s	2,4,5,6-Tetrachloro-m-xylen	*	50.000	0.000	100.0#	0	-2.47#
3		Hexachlorobenzene	*	50.000	0.000	100.0#	0	-2.74#
4		alpha-BHC		1.586	0.000	100.0#	0#	-2.86#
5		gamma-BHC (lindane)		1.529	0.000	100.0#	0#	-3.11#
6		beta-BHC	*	50.000	0.000	100.0#	0	-3.17#
7		delta-BHC		1.478	0.000	100.0#	0#	-3.32#
8		Heptachlor		1.494	0.000	100.0#	0#	-3.51#
9		Aldrin		1.394	0.000	100.0#	0#	-3.79#
10		Alachlor	*	50.000	0.000	100.0#	0	-3.93#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.03#
12		Heptachlor Epoxide		1.349	0.000	100.0#	0#	-4.41#
13		gamma-Chlordane (trans)	*	50.000	0.000	100.0#	0	-4.54#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 22 Jul 2024 23:07
Operator : pest20:ejl
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 27   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:35:01 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:34:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)	*	50.000	0.000	100.0#	0	-4.69#
15		4,4'-DDE		1.333	0.000	100.0#	0#	-4.79#
16		Endosulfan I		1.261	0.000	100.0#	0#	-4.84#
17		Dieldrin		1.315	0.000	100.0#	0#	-5.11#
18		Endrin		1.292	0.000	100.0#	0#	-5.34#
19		4,4'-DDD		1.086	0.000	100.0#	0#	-5.43#
20		Endosulfan II		1.175	0.000	100.0#	0#	-5.57#
21		4,4'-DDT	*	50.000	0.000	100.0#	0	-5.70#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.96#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.15#
24		Mirex	*	50.000	0.000	100.0#	0	-6.23#
25		Endosulfan Sulfate	*	50.000	0.000	100.0#	0	-6.33#
26		Endrin Ketone		1.275	0.000	100.0#	0#	-6.56#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.33#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-2.01#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-3.44#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.92#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.54#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.68#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-2.06#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.223	0.000	100.0#	0#	-2.66#
3		Hexachlorobenzene	*	50.000	0.000	100.0#	0	-3.04#
4		alpha-BHC		1.533	0.000	100.0#	0#	-3.15#
5		gamma-BHC (lindane)		1.477	0.000	100.0#	0#	-3.48#
6		beta-BHC	*	50.000	0.000	100.0#	0	-3.55#
7		delta-BHC		1.443	0.000	100.0#	0#	-3.85#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 22 Jul 2024 23:07
Operator : pest20:ejl
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 27   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:35:01 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:34:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.403	0.000	100.0#	0#	-3.92#
9		Aldrin		1.268	0.000	100.0#	0#	-4.27#
10		Alachlor	*	50.000	0.000	100.0#	0	-4.14#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.52#
12		Heptachlor Epoxide		1.268	0.000	100.0#	0#	-4.93#
13		gamma-Chlordane (trans)		1.090	0.000	100.0#	0#	-5.14#
14		alpha-Chlordane (cis)		1.237	0.000	100.0#	0#	-5.30#
15		4,4'-DDE		1.193	0.000	100.0#	0#	-5.47#
16		Endosulfan I		1.153	0.000	100.0#	0#	-5.35#
17		Dieldrin		1.161	0.000	100.0#	0#	-5.63#
18		Endrin		1.185	0.000	100.0#	0#	-5.91#
19		4,4'-DDD		0.979	0.000	100.0#	0#	-6.02#
20		Endosulfan II		1.098	0.000	100.0#	0#	-6.10#
21		4,4'-DDT		1.110	0.000	100.0#	0#	-6.29#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-6.38#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.83#
24		Mirex	*	50.000	0.000	100.0#	0	-6.99#
25		Endosulfan Sulfate	*	50.000	0.000	100.0#	0	-6.61#
26		Endrin Ketone		1.192	0.000	100.0#	0#	-7.02#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.90#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-2.06#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-3.77#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-4.43#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-5.14#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-5.30#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 23:07
Operator : pest20:ejl
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:35:01 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:34:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	2.009	2.064	54779274	82658598	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 23:07
Operator : pest20:ejl
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:35:01 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:34:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.557	6.057	164.3E6	140.6E6	1910.430	2006.136
35) l2	toxaphene-2	6.067	6.087	172.5E6	199.5E6	2020.455	1913.492
36) l2	toxaphene-4	6.163	6.391	98003799	215.3E6	1769.029	1782.047
37) l2	toxaphene-5	6.244	6.795	161.7E6	218.8E6	1906.387	1904.999
Sum	toxaphene-1			596.5E6	774.2E6	7606.302	7606.674
Average	toxaphene-1					1901.576	1901.668

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			596.5E6	774.2E6	7606.302	7606.674
Average	toxaphene-1					1901.576	1901.668

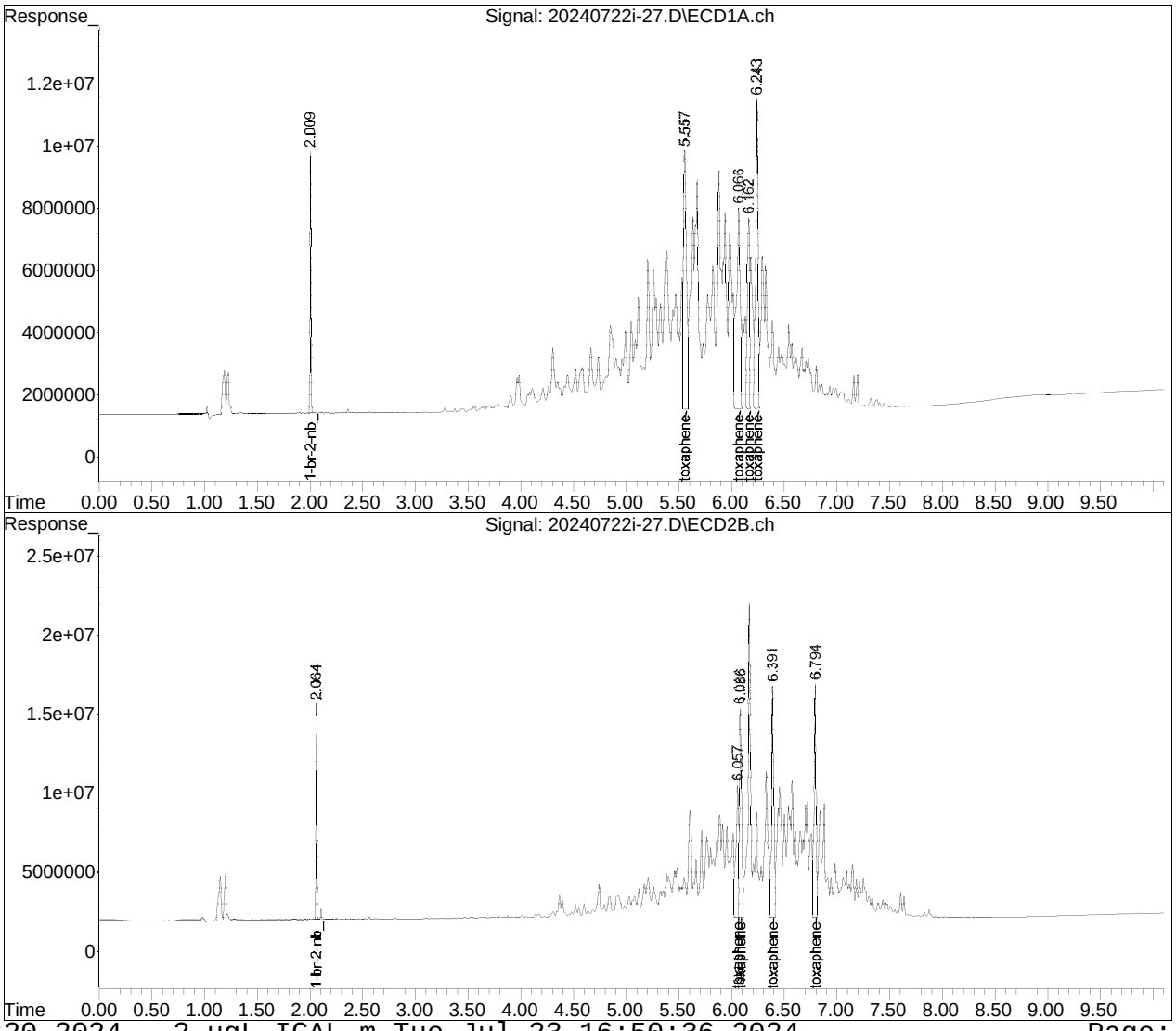
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240722ical\
Data File : 20240722i-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2024 23:07
Operator : pest20:ejl
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1950439, (Sig #1); ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 23 14:35:01 2024
Quant Method : I:\PEST\Pest20\2024\240722ical\pest20_2024_07_22_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Jul 23 14:34:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240722QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240722i-27.D Operator : pest20:ejl
Date Inj'd : 7/22/2024 23:07 Instrument : PEST 20
Sample : cicvtox,42e,,pp 11668 L2.0Quant Date : 7/23/2024 2:35 pm

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

Evaluate Relative Error Report PEST 20

Method Path : I:\PEST\Pest20\2024\240722ical\
Method File : pest20_2024_07_22_ugL_ICAL.m
Title : pest
Last Update : Tue Jul 23 14:34:40 2024

		COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
2	S	2,4,5,6-Tetrachloro-m-xylen	L	ug/l	50.0	52.208	4.4	1.00	0.721	-27.9
3		Hexachlorobenzene	L	ug/l	50.0	52.539	5.1	2.00	1.654	-17.3
6		beta-BHC	L	ug/l	50.0	52.345	4.7	2.00	1.615	-19.3
10		Alachlor	L	ug/l	50.0	54.664	9.3	2.00	1.418	-29.1
11		Chlorpyrifos	L	ug/l	50.0	53.443	6.9	2.00	1.431	-28.4
13		gamma-Chlordane (trans)	L	ug/l	50.0	50.271	0.5	2.00	1.721	-13.9
14		alpha-Chlordane (cis)	L	ug/l	50.0	50.997	2.0	1.00	0.739	-26.1
21		4,4'-DDT	L	ug/l	50.0	51.284	2.6	1.00	0.767	-23.3
22		Endrin Aldehyde	L	ug/l	50.0	51.646	3.3	1.00	0.732	-26.8
23		Methoxychlor	L	ug/l	50.0	54.654	9.3	2.00	1.447	-27.6
24		Mirex	L	ug/l	50.0	53.648	7.3	2.00	1.510	-24.5
25		Endosulfan Sulfate	L	ug/l	50.0	50.589	1.2	1.00	0.699	-30.1
27	S	Decachlorobiphenyl	L	ug/l	50.0	51.892	3.8	2.00	1.686	-15.7
29	L1	chlordane-1	L	ug/l	1000.0	1000.007	0.0	10.00	7.493	-25.1
30	L1	chlordane-3	L	ug/l	1000.0	1003.848	0.4	10.00	6.651	-33.5
31	L1	chlordane-4	L	ug/l	1000.0	1005.401	0.5	10.00	9.278	-7.2
32	L1	chlordane-5	L	ug/l	1000.0	1009.499	0.9	10.00	8.607	-13.9
34	L2	toxaphene-1	L	ug/l	2000.0	2151.224	7.6	20.00	13.239	-33.8
35	L2	toxaphene-2	L	ug/l	2000.0	2123.474	6.2	20.00	16.585	-17.1
36	L2	toxaphene-4	L	ug/l	2000.0	2116.598	5.8	20.00	15.587	-22.1
37	L2	toxaphene-5	L	ug/l	2000.0	2095.486	4.8	20.00	15.363	-23.2
41		Hexachlorobenzene #2	L	ug/l	50.0	51.420	2.8	2.00	1.772	-11.4
44		beta-BHC #2	L	ug/l	50.0	51.199	2.4	2.00	1.780	-11.0
48		Alachlor #2	L	ug/l	50.0	53.616	7.2	2.00	1.531	-23.5
49		Chlorpyrifos #2	L	ug/l	50.0	52.619	5.2	2.00	1.559	-22.1
60		Endrin Aldehyde #2	L	ug/l	50.0	50.335	0.7	1.00	0.903	-9.7
61		Methoxychlor #2	L	ug/l	50.0	53.350	6.7	2.00	1.631	-18.4
62		Mirex #2	L	ug/l	50.0	52.756	5.5	2.00	1.586	-20.7
63		Endosulfan Sulfate #2	L	ug/l	50.0	49.881	-0.2	1.00	0.833	-16.7
65	S	Decachlorobiphenyl #2	L	ug/l	50.0	51.406	2.8	2.00	1.737	-13.1
67	L1	chlordane-1 #2	L	ug/l	1000.0	1031.959	3.2	10.00	6.920	-30.8
68	L1	chlordane-3 #2	L	ug/l	1000.0	1044.056	4.4	10.00	5.572	-44.3
69	L1	chlordane-4 #2	L	ug/l	1000.0	1040.549	4.1	10.00	8.235	-17.7
70	L1	chlordane-5 #2	L	ug/l	1000.0	1041.436	4.1	10.00	8.000	-20.0
72	L2	toxaphene-1 #2	L	ug/l	2000.0	2059.579	3.0	20.00	15.452	-22.7
73	L2	toxaphene-2 #2	L	ug/l	2000.0	2029.025	1.5	20.00	16.303	-18.5
74	L2	toxaphene-4 #2	L	ug/l	2000.0	2032.982	1.6	20.00	16.905	-15.5
75	L2	toxaphene-5 #2	L	ug/l	2000.0	2017.744	0.9	20.00	16.897	-15.5

Calibration Correlation Report

		COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
2	S	2,4,5,6-Tetrachloro-m-xylen	Linear	0.998878	0.000000	1.07815	0.0346799
3		Hexachlorobenzene	Linear	0.999002	0.000000	1.10624	0.0633567
6		beta-BHC	Linear	0.999081	0.000000	0.604484	0.0362348
10		Alachlor	Linear	0.995489	0.000000	0.188324	0.011531
11		Chlorpyrifos	Linear	0.996776	0.000000	0.563077	0.0458591
13		gamma-Chlordane (trans)	Linear	0.999733	0.000000	1.05525	0.0470874
14		alpha-Chlordane (cis)	Linear	0.999594	0.000000	1.18633	0.0331924
21		4,4'-DDT	Linear	0.999439	0.000000	1.04538	0.0252257
22		Endrin Aldehyde	Linear	0.999136	0.000000	0.860717	0.019689
23		Methoxychlor	Linear	0.997028	0.000000	0.54871	0.040152
24		Mirex	Linear	0.998159	0.000000	0.846835	0.0641476
25		Endosulfan Sulfate	Linear	0.999117	0.000000	0.961816	0.0328339
27	S	Decachlorobiphenyl	Linear	0.998626	0.000000	1.04644	0.0624231
29	L1	chlordane-1	Linear	0.998388	0.000000	0.0392486	0.0109399
30	L1	chlordane-3	Linear	0.996450	0.000000	0.0475205	0.0172865
31	L1	chlordane-4	Linear	0.999690	0.000000	0.162364	0.0577897

32	L1 chlordane-5	Linear	0.999412	0.000000	0.25146	0.0567687
34	L2 toxaphene-1	Linear	0.992398	0.000000	0.0390668	0.0136212
35	L2 toxaphene-2	Linear	0.995779	0.000000	0.0388176	0.0122192
36	L2 toxaphene-4	Linear	0.995749	0.000000	0.0250729	0.0148817
37	L2 toxaphene-5	Linear	0.996449	0.000000	0.0384701	0.0187809
41	Hexachlorobenzene #2	Linear	0.999585	0.000000	1.09885	0.0452509
44	beta-BHC #2	Linear	0.999696	0.000000	0.615064	0.0259462
48	Alachlor #2	Linear	0.996997	0.000000	0.164106	0.0102653
49	Chlorpyrifos #2	Linear	0.998119	0.000000	0.575466	0.0377732
60	Endrin Aldehyde #2	Linear	0.999654	0.000000	0.836579	0.0108613
61	Methoxychlor #2	Linear	0.998104	0.000000	0.522216	0.0315616
62	Mirex #2	Linear	0.998903	0.000000	0.766206	0.0498281
63	Endosulfan Sulfate #2	Linear	0.999787	0.000000	0.955236	0.0206112
65	S Decachlorobiphenyl #2	Linear	0.999051	0.000000	0.871139	0.041628
67	L1 chlordane-1 #2	Linear	0.996286	0.000000	0.0337844	0.0107145
68	L1 chlordane-3 #2	Linear	0.992910	0.000000	0.0396747	0.0166348
69	L1 chlordane-4 #2	Linear	0.997636	0.000000	0.130461	0.0328213
70	L1 chlordane-5 #2	Linear	0.997239	0.000000	0.101993	0.0274149
72	L2 toxaphene-1 #2	Linear	0.998653	0.000000	0.0211424	0.00445037
73	L2 toxaphene-2 #2	Linear	0.999124	0.000000	0.0314307	0.00781184
74	L2 toxaphene-4 #2	Linear	0.999367	0.000000	0.036409	0.00909794
75	L2 toxaphene-5 #2	Linear	0.999454	0.000000	0.0345774	0.0122529

Response Factor Report Pest 11

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024
Response Via : Initial Calibration

Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.070	1.052	1.075	1.017	1.028	1.042	1.068	1.019	0.980	1.039	3.00
3)	t	Hexachloroben...		1.537	1.511	1.518	1.421	1.398	1.344	1.370	1.302	1.253	1.406	7.13
4)	t	alpha-BHC		1.293	1.326	1.375	1.322	1.428	1.579	1.657	1.604	1.561	1.461	9.59
5)	t	gamma-BHC (li...	1.464	1.305	1.312	1.356	1.278	1.355	1.457	1.524	1.473	1.430	1.395	6.06
6)	t	beta-BHC		0.665	0.662	0.666	0.624	0.626	0.607	0.622	0.597	0.580	0.628	4.95
7)	t	delta-BHC		1.249	1.257	1.303	1.246	1.337	1.470	1.546	1.502	1.457	1.374	8.70
8)	t	Heptachlor		1.313	1.322	1.357	1.281	1.318	1.358	1.400	1.323	1.217	1.321	3.91
9)	t	Aldrin		1.175	1.189	1.221	1.154	1.205	1.287	1.348	1.300	1.220	1.233	5.24
10)	t	Alachlor			0.247	0.248	0.233	0.238	0.226	0.221	0.199		0.230	7.42
11)	t	Chlorpyrifos			0.674	0.682	0.634	0.615	0.538	0.520	0.466		0.590	14.01
12)	t	Heptachlor Ep...		1.181	1.208	1.238	1.159	1.186	1.202	1.236	1.175	1.082	1.185	3.96
13)	t	gamma-Chlorda...		1.079	1.070	1.097	1.026	1.044	1.078	1.133	1.110	1.057	1.077	3.07
14)	t	alpha-Chlorda...		1.192	1.207	1.248	1.181	1.200	1.223	1.275	1.242	1.178	1.216	2.74
15)	t	4,4'-DDE		1.107	1.137	1.186	1.119	1.167	1.226	1.298	1.275	1.207	1.192	5.61
16)	t	Endosulfan I		1.109	1.123	1.156	1.085	1.112	1.130	1.172	1.121	1.038	1.116	3.49

Response Factor Report Pest 11

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024
Response Via : Initial Calibration

Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
17)	t	Dieldrin		1.070	1.103	1.138	1.067	1.113	1.174	1.234	1.196	1.123	1.135	4.98
18)	t	Endrin		1.098	1.132	1.175	1.100	1.144	1.192	1.239	1.188	1.107	1.153	4.25
19)	t	4,4'-DDD		0.857	0.879	0.918	0.859	0.900	0.956	1.015	1.002	0.960	0.927	6.36
20)	t	Endosulfan II		1.034	1.062	1.094	1.026	1.054	1.071	1.111	1.052	0.964	1.052	4.03
21)	t	4,4'-DDT		0.969	1.034	1.071	0.998	1.036	1.083	1.139	1.124	1.071	1.058	5.22
22)	t	Endrin Aldehyde		0.906	0.889	0.917	0.869	0.878	0.877	0.913	0.888	0.841	0.886	2.70
23)	t	Methoxychlor		0.656	0.635	0.675	0.610	0.607	0.565	0.567	0.527	0.485	0.592	10.43
24)	t	Mirex			1.027	1.066	0.980	0.964	0.880	0.899	0.864	0.822	0.938	9.06
25)	t	Endosulfan Su...		1.084	1.035	1.065	0.986	1.001	0.988	1.026	0.981	0.922	1.010	4.83
26)	t	Endrin Ketone		1.166	1.200	1.247	1.167	1.200	1.196	1.227	1.160	1.085	1.183	3.94
27)	s	Decachlorobip...		1.355	1.316	1.321	1.208	1.146	1.036	1.055	1.020	1.010	1.163	12.13
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.038	0.036	0.037	0.037	0.038	0.037	0.036		*L	0.999
3														
30)	l1	chlordane-3			0.049	0.052	0.049	0.046	0.045	0.044	0.040		*L	0.997
4														
31)	l1	chlordane-4			0.164	0.158	0.156	0.160	0.165	0.162	0.151		*L	0.998
6														
32)	l1	chlordane-5			0.243	0.244	0.245	0.250	0.255	0.249	0.230		*L	0.998
2														

Response Factor Report Pest 11

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024
Response Via : Initial Calibration

Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-2			0.038	0.046		0.055	0.055	0.056			*L	0.9998
35)	l2	toxaphene-3			0.032	0.035		0.042	0.043	0.044			*L	0.9995
36)	l2	toxaphene-4			0.041	0.040		0.042	0.043	0.045			*L	0.9992
37)	l2	toxaphene-5			0.053	0.041		0.039	0.039	0.040			*L	0.9999

Signal #2 Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...			1.206	1.206	1.141	1.107	1.082	1.085	1.067	1.091	1.038	1.114	5.33
3)	t	Hexachloroben...			1.451	1.390	1.323	1.249	1.197	1.146	1.145	1.144	1.106	1.239	9.92
4)	t	alpha-BHC			1.558	1.563	1.526	1.479	1.547	1.686	1.736	1.764	1.719	1.620	6.53
5)	t	gamma-BHC (li...		1.777	1.551	1.516	1.480	1.413	1.442	1.525	1.563	1.584	1.540	1.539	6.46
6)	t	beta-BHC			0.854	0.824	0.779	0.737	0.692	0.642	0.639	0.637	0.614	*L	0.9996
7)	t	delta-BHC			1.529	1.507	1.460	1.411	1.443	1.548	1.598	1.627	1.582	1.523	4.86
8)	t	Heptachlor			1.786	1.721	1.657	1.575	1.545	1.553	1.565	1.548	1.427	1.598	6.72
9)	t	Aldrin			1.511	1.468	1.436	1.367	1.367	1.434	1.469	1.478	1.382	1.435	3.65

Response Factor Report Pest 11

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024
Response Via : Initial Calibration

Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

	Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
10) t	Alachlor			0.293	0.281	0.264	0.241	0.197	0.183	0.172		*L	0.996
7													
11) t	Chlorpyrifos			1.095	1.043	0.969	0.877	0.736	0.700	0.666		*L	0.998
3													
12) t	Heptachlor Ep...		1.616	1.577	1.520	1.425	1.372	1.353	1.362	1.352	1.252	1.425	8.44
13) t	gamma-Chlorda...		1.483	1.457	1.376	1.298	1.234	1.224	1.252	1.275	1.205	1.312	7.85
14) t	alpha-Chlorda...		1.641	1.577	1.521	1.435	1.382	1.359	1.381	1.400	1.318	1.446	7.54
15) t	4,4'-DDE		1.377	1.359	1.330	1.263	1.272	1.348	1.390	1.418	1.327	1.343	3.82
16) t	Endosulfan I		1.515	1.476	1.419	1.334	1.284	1.260	1.269	1.263	1.167	1.332	8.59
17) t	Dieldrin		1.415	1.389	1.352	1.281	1.267	1.305	1.334	1.344	1.257	1.327	4.11
18) t	Endrin		1.442	1.411	1.375	1.305	1.290	1.326	1.350	1.356	1.265	1.347	4.25
19) t	4,4'-DDD		1.118	1.104	1.084	1.022	1.026	1.071	1.106	1.134	1.088	1.084	3.57
20) t	Endosulfan II		1.364	1.341	1.298	1.220	1.180	1.154	1.164	1.150	1.053	1.214	8.39
21) t	4,4'-DDT		1.293	1.294	1.271	1.196	1.196	1.227	1.262	1.290	1.222	1.250	3.26
22) t	Endrin Aldehyde		1.156	1.131	1.093	1.025	0.982	0.941	0.951	0.957	0.906	*L	0.999
3													
23) t	Methoxychlor		0.848	0.816	0.797	0.739	0.695	0.630	0.620	0.614	0.581	0.704	14.13
24) t	Mirex			1.298	1.250	1.156	1.061	0.921	0.910	0.914	0.867	*L	0.999
3													
25) t	Endosulfan Su...		1.382	1.336	1.302	1.218	1.159	1.107	1.116	1.118	1.054	1.199	9.68

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024
Response Via : Initial Calibration

Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg		%RSD
26)	t	Endrin Ketone		1.378	1.372	1.340	1.264	1.245	1.205	1.207	1.200	1.136	1.261		6.75
27)	s	Decachlorobip...		1.252	1.219	1.185	1.105	1.040	0.936	0.932	0.943	0.929	1.060		12.61
28)	i	1-br-2-nb_Chlordane	----------ISTD----------												
29)	l1	chlordane-1		0.054	0.052	0.044	0.039	0.040	0.040	0.035				*L	0.9963
30)	l1	chlordane-3		0.070	0.064	0.055	0.047	0.046	0.044	0.037				*L	0.9912
31)	l1	chlordane-4		0.208	0.191	0.166	0.163	0.167	0.169	0.147				*L	0.9959
32)	l1	chlordane-5		0.162	0.149	0.130	0.126	0.128	0.129	0.113				*L	0.9961
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------												
34)	l2	toxaphene-2		0.028	0.028		0.023	0.023	0.024					*L	0.9997
35)	l2	toxaphene-3		0.042	0.040		0.035	0.035	0.035					*L	0.9998
36)	l2	toxaphene-4		0.049	0.047		0.041	0.041	0.042					*L	0.9997
37)	l2	toxaphene-5		0.050	0.045		0.038	0.038	0.039					*L	0.9997

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:25
Operator : PEST11:ejl
Sample : pem11240801i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG1955254,ical
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:30:39 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	226.2E6	184.7E6	25.000M4	25.000
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.659	4.472	862871	1055459	0.080M2	0.106M4
18) t	Endrin	4.211	4.925	519.0E6	456.6E6	49.762M4	45.902M3
19) t	4,4'-DDD	4.325	5.050	1951195	2046326	0.233M4	0.256M3
21) t	4,4'-DDT	4.616	5.325	974.6E6	872.9E6	101.766M4	94.533M4
22) t D	Endrin Aldeh	4.869	5.421	1022766	1047335	0.128M3	N.D. M4
26) t	Endrin Keton	5.487	6.059	4628888	4774072	0.432M4	0.513M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:25
Operator : PEST11:ejl
Sample : pem11240801i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG1955254,ical
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:30:39 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

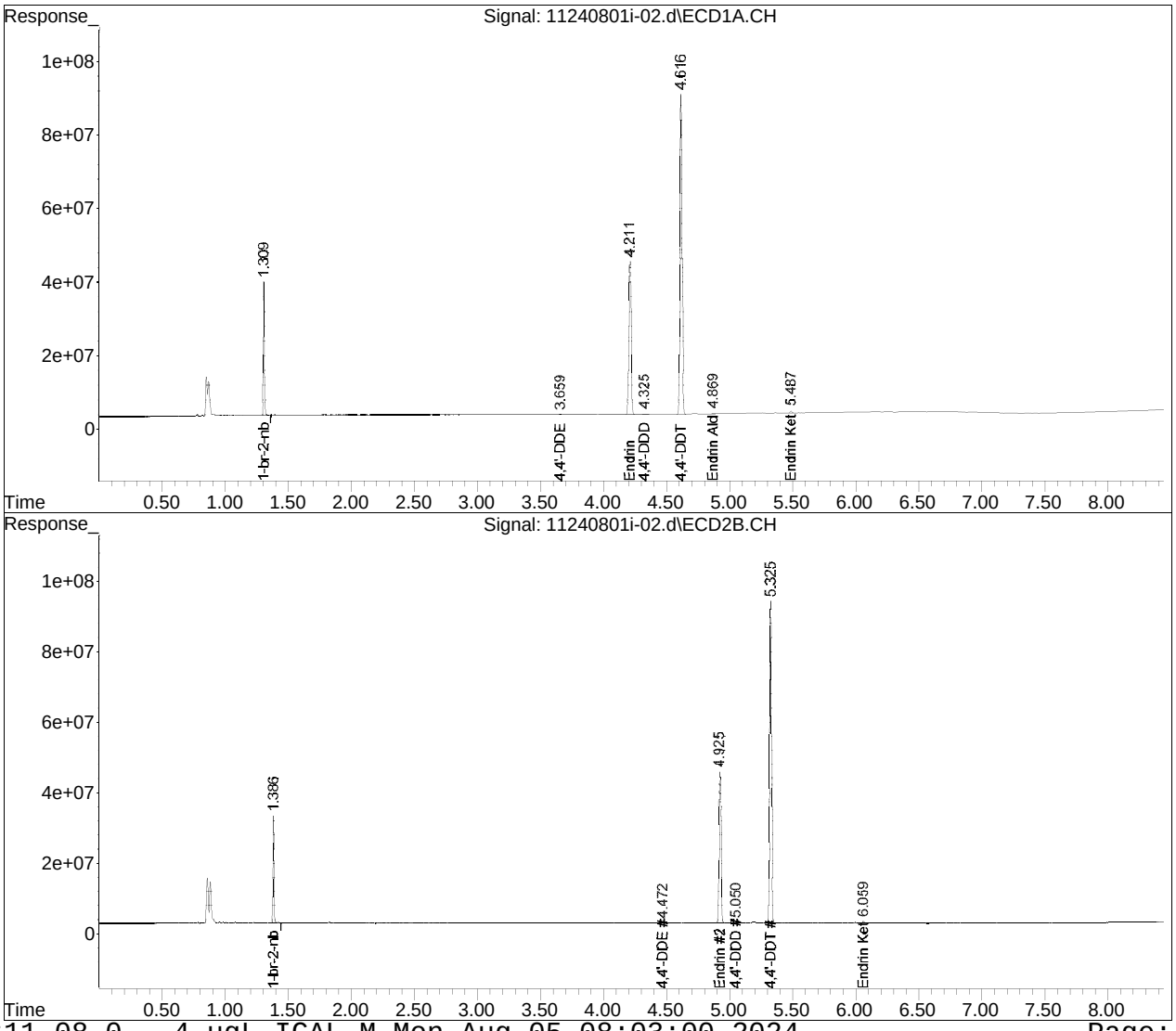
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:25
Operator : PEST11:ejl
Sample : pem11240801i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (
Misc : WG1955254,ical
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:30:39 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

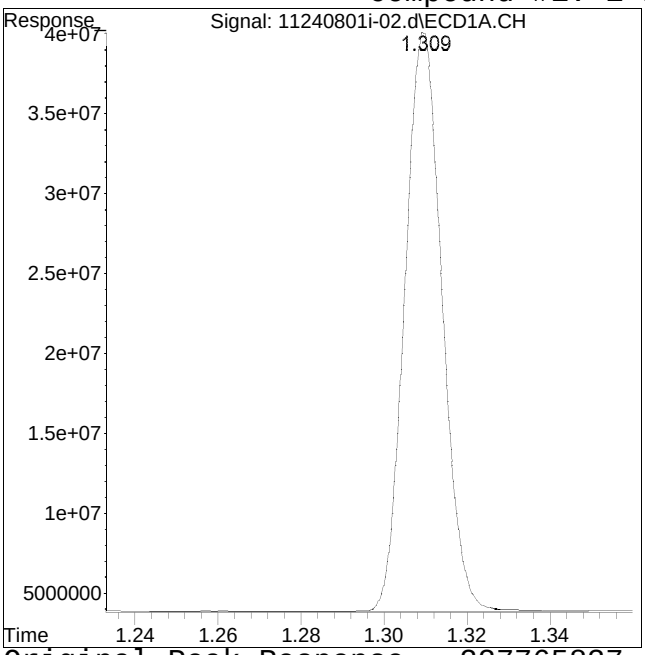


Manual Integration Report

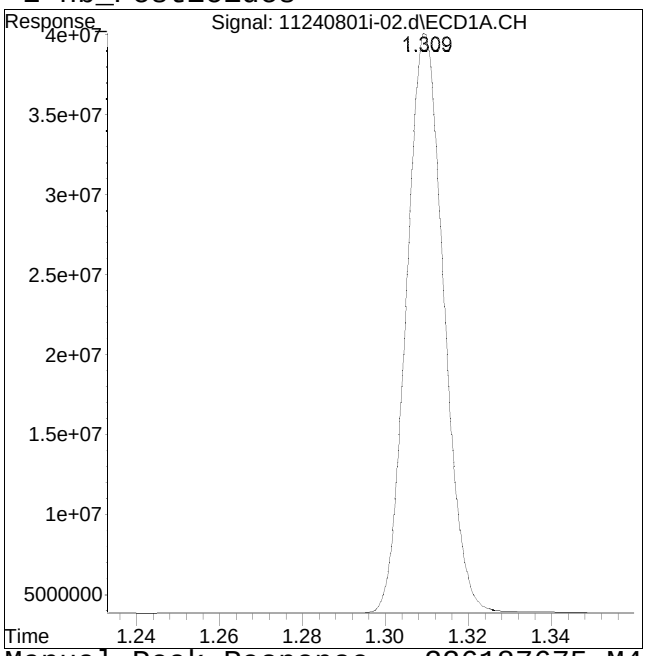
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 227765837



Manual Peak Response = 226187675 M4

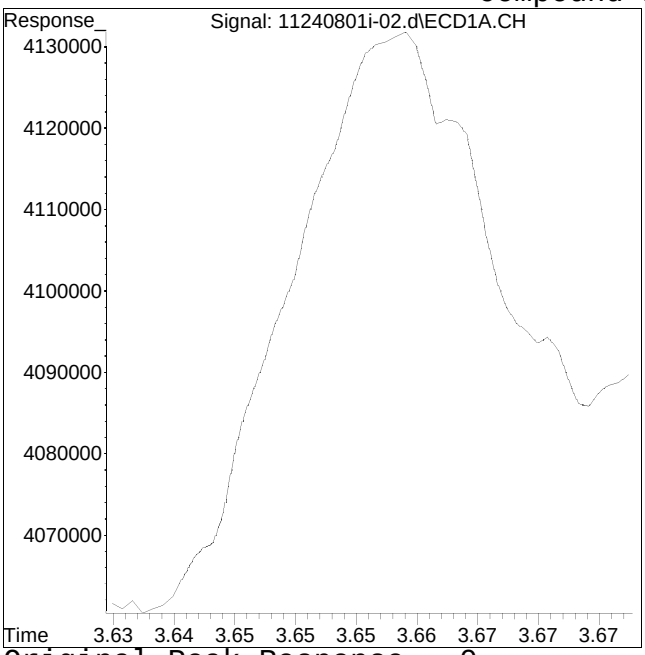
M4 = Poor automated baseline construction.

Manual Integration Report

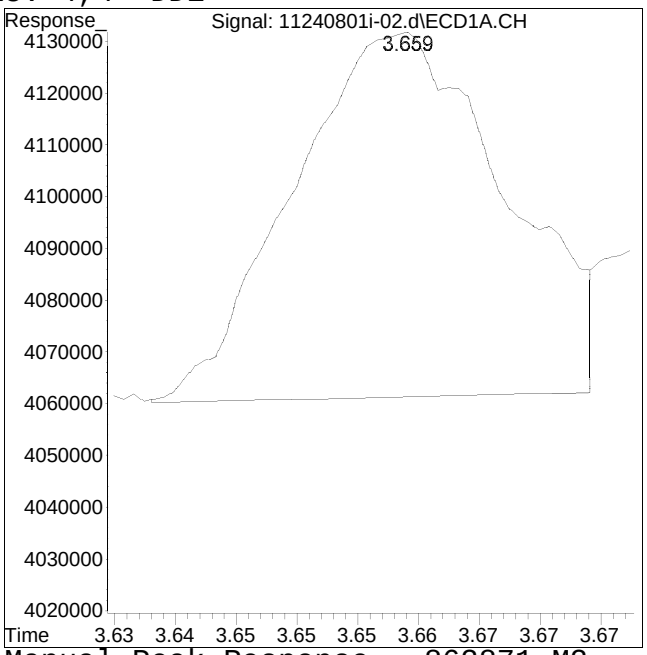
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #15: 4,4'-DDE



Original Peak Response = 0



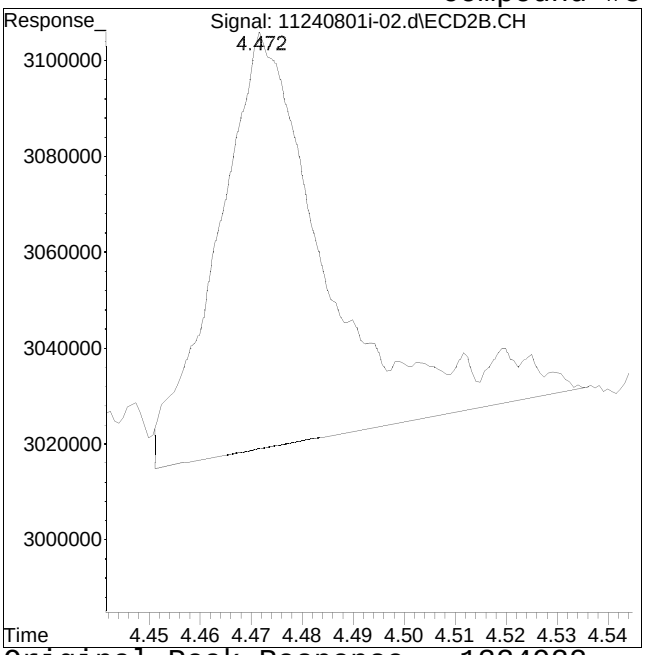
Manual Peak Response = 862871 M2

M2 = Peak not found by automatic integration algorithm.

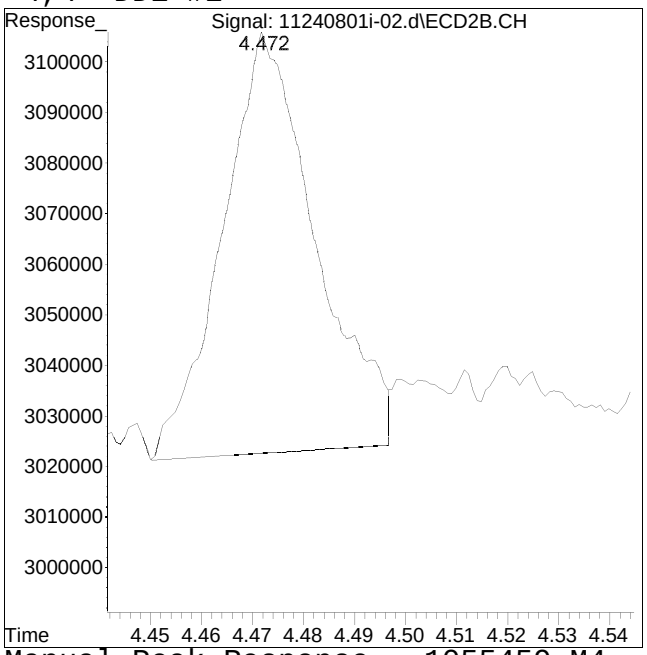
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 1324922



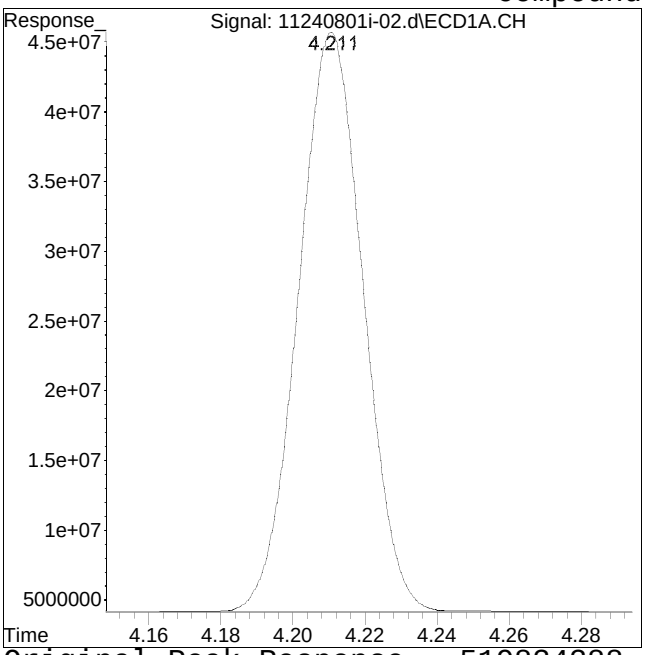
Manual Peak Response = 1055459 M4

M4 = Poor automated baseline construction.

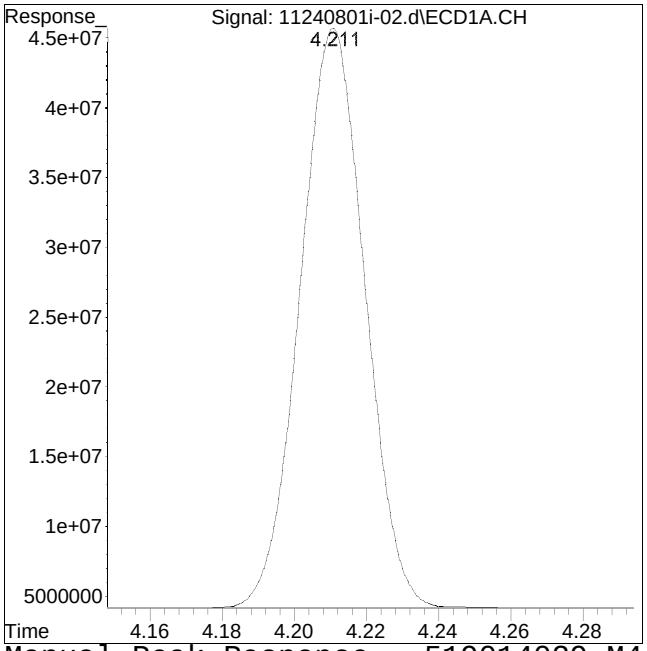
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #18: Endrin



Original Peak Response = 519834388



Manual Peak Response = 519014029 M4

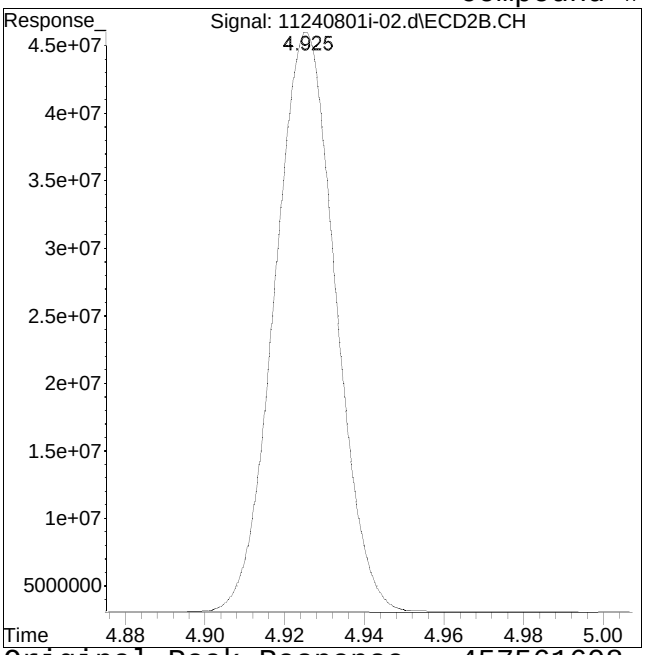
M4 = Poor automated baseline construction.

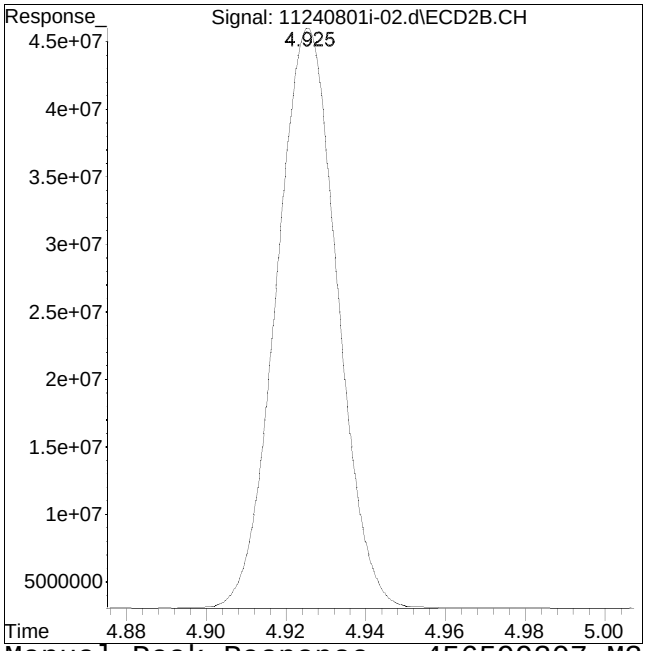
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #56: Endrin #2





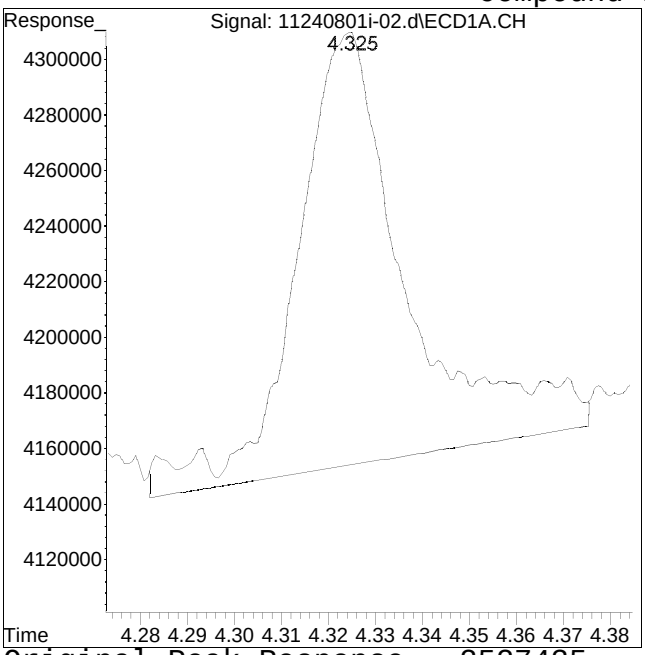
Original Peak Response = 457561608 Manual Peak Response = 456599307 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

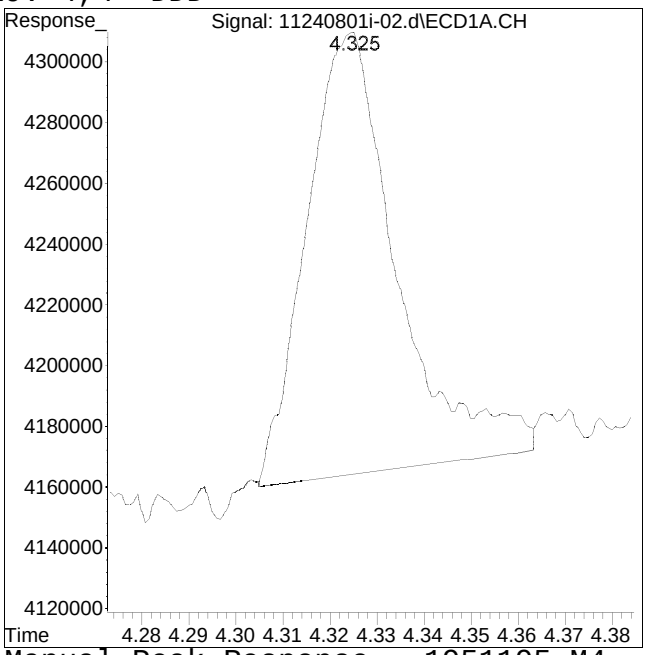
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #19: 4,4'-DDD



Original Peak Response = 2527435



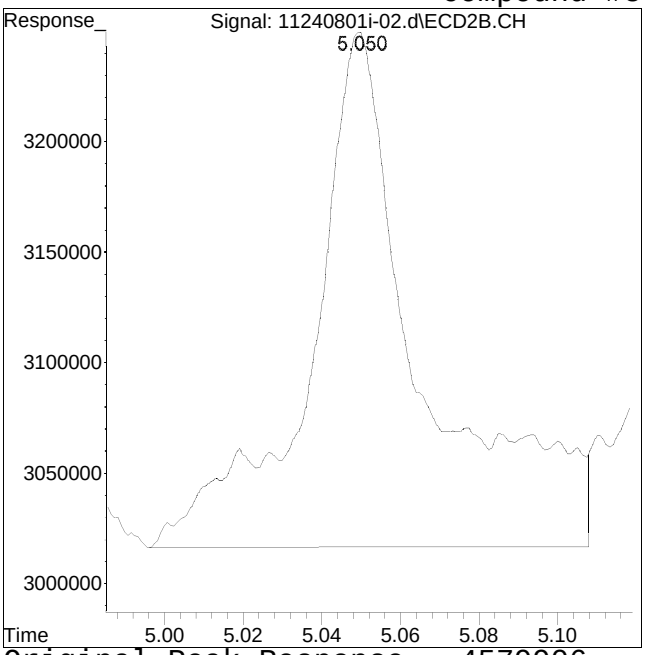
Manual Peak Response = 1951195 M4

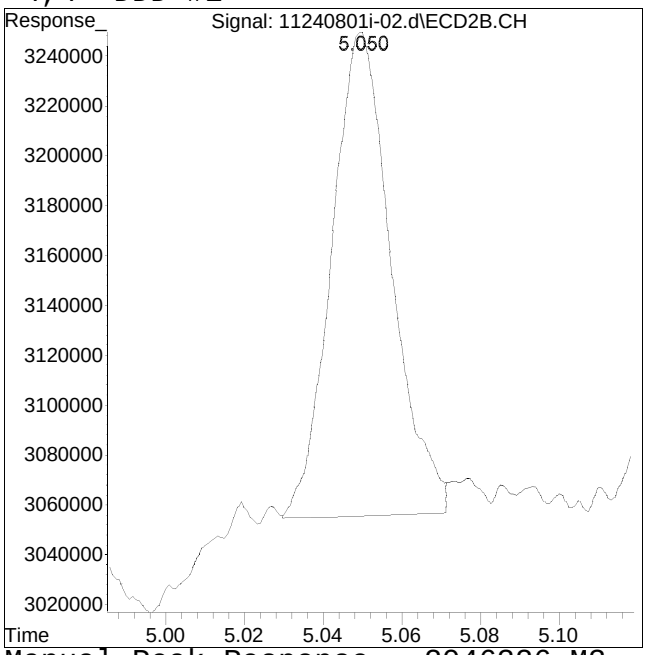
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #57: 4,4'-DDD #2



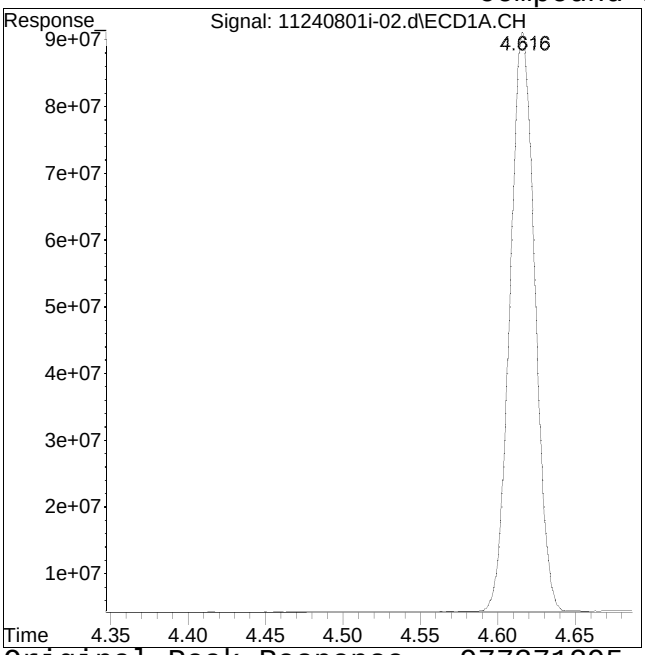


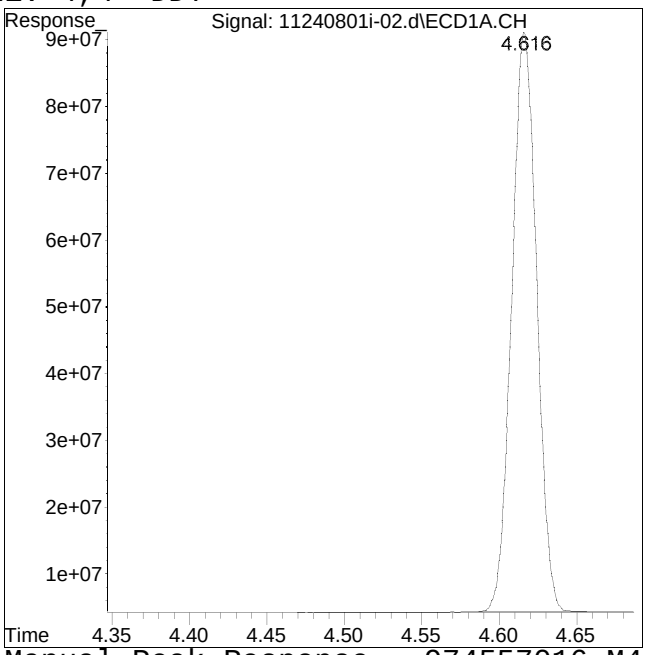
Original Peak Response = 4579906 Manual Peak Response = 2046326 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #21: 4,4'-DDT



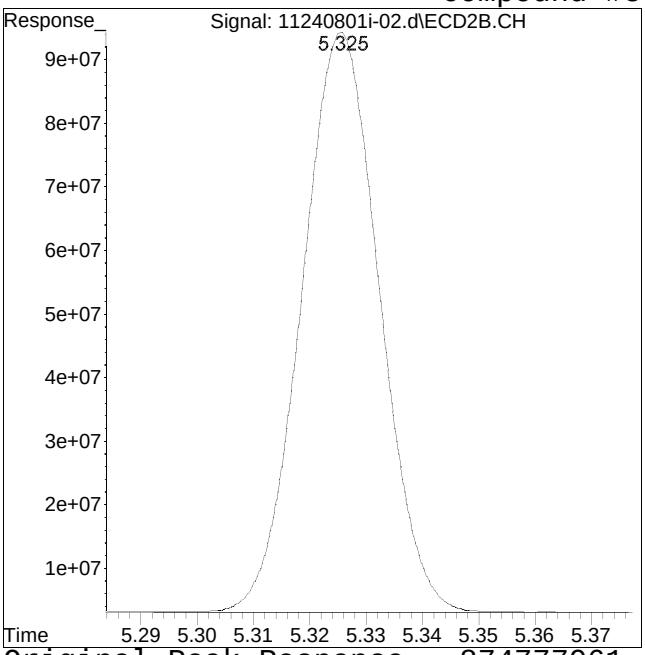


Original Peak Response = 977371295 Manual Peak Response = 974557016 M4
M4 = Poor automated baseline construction.

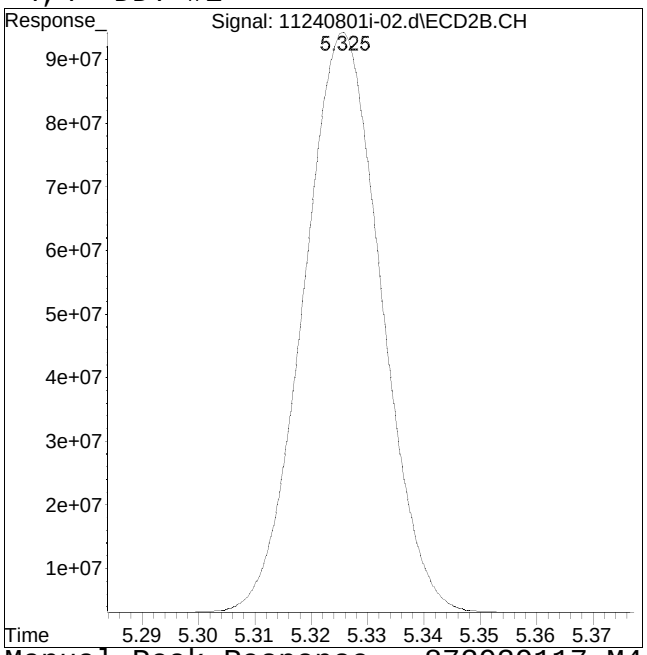
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #59: 4,4'-DDT #2



Original Peak Response = 874777961



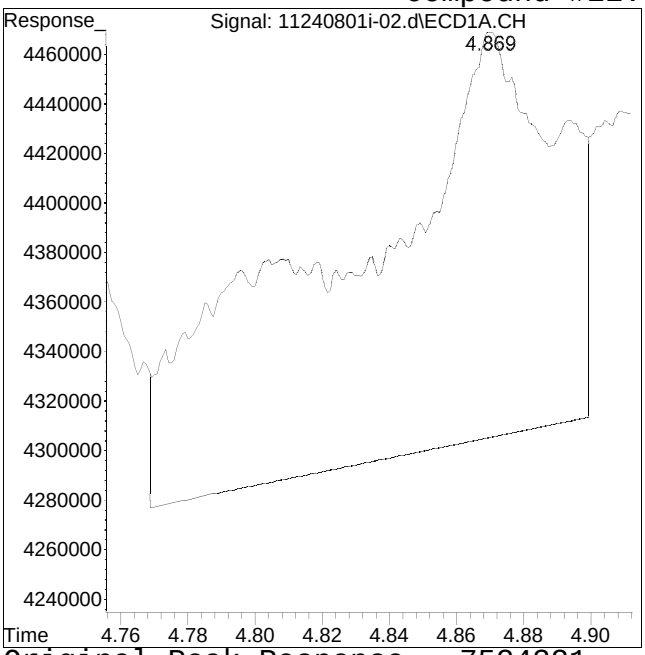
Manual Peak Response = 872939117 M4

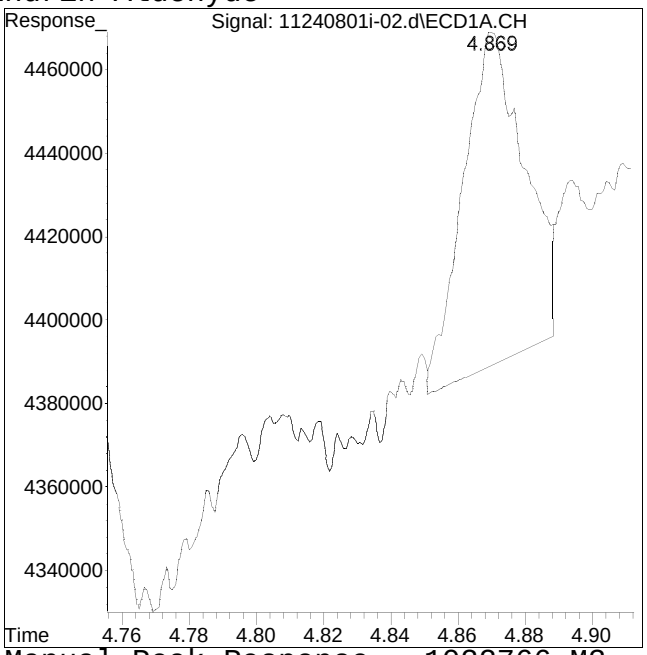
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #22: Endrin Aldehyde



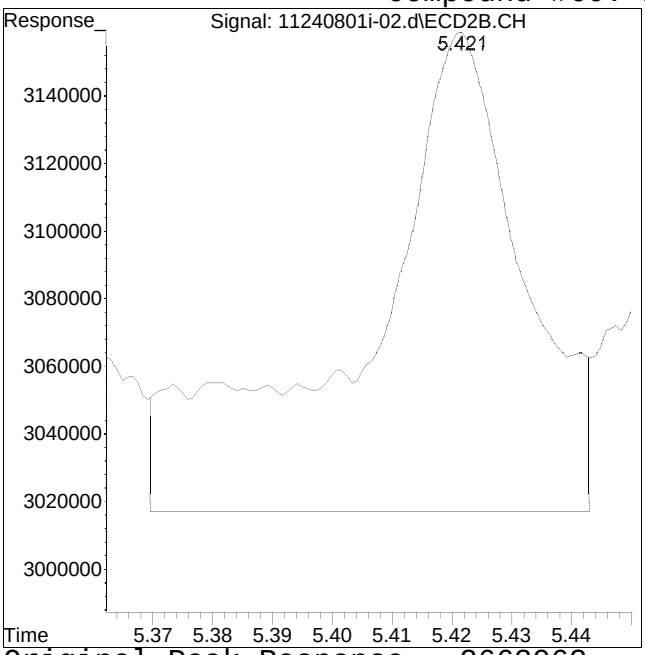


Original Peak Response = 7524321 Manual Peak Response = 1022766 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

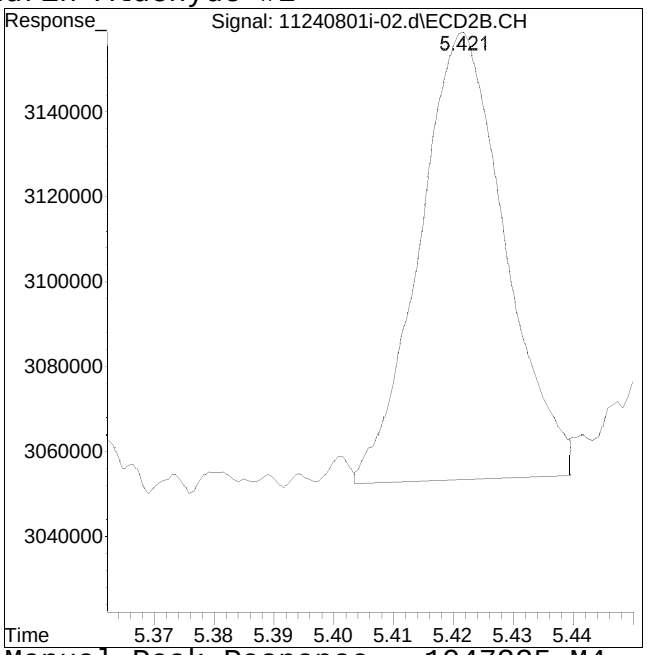
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 2663063



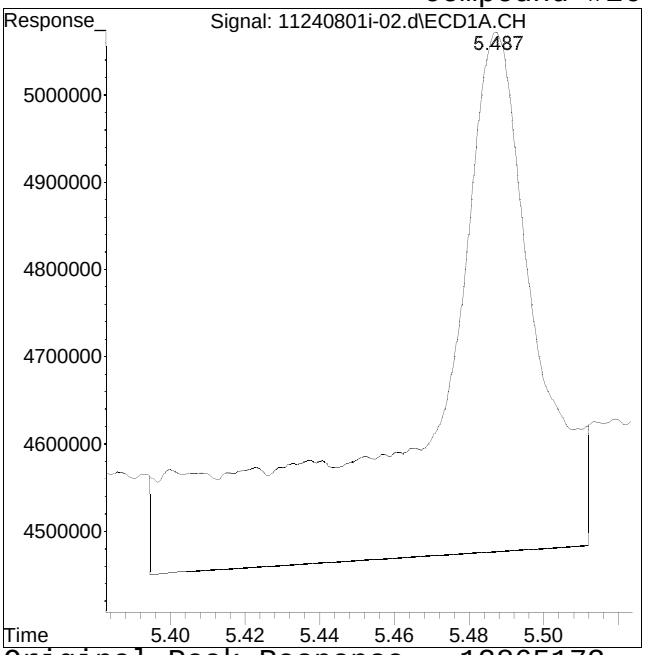
Manual Peak Response = 1047335 M4

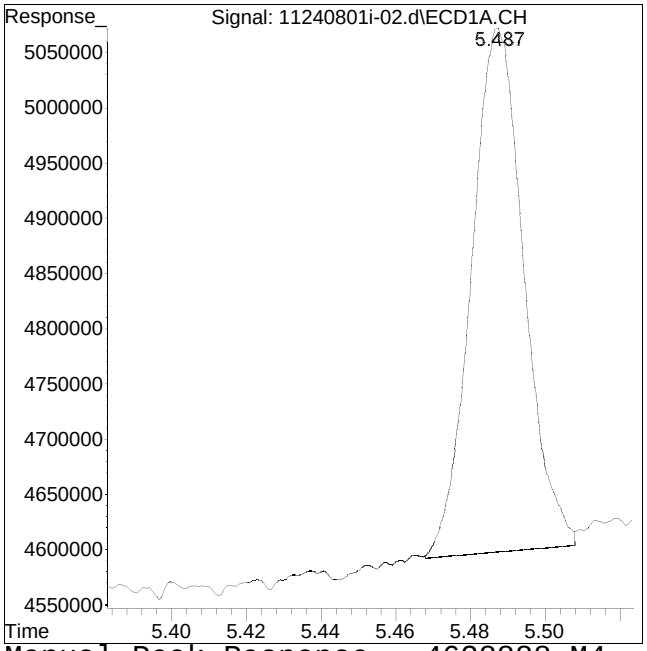
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #26: Endrin Ketone



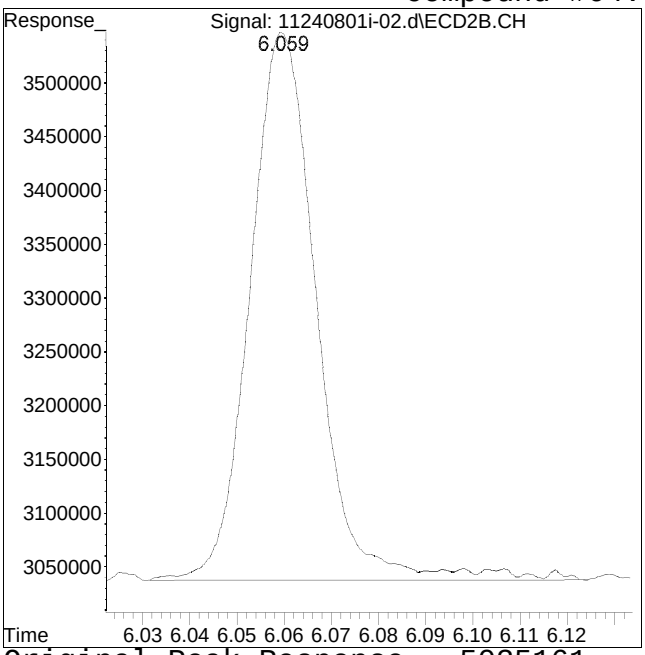


Original Peak Response = 12865173 Manual Peak Response = 4628888 M4
M4 = Poor automated baseline construction.

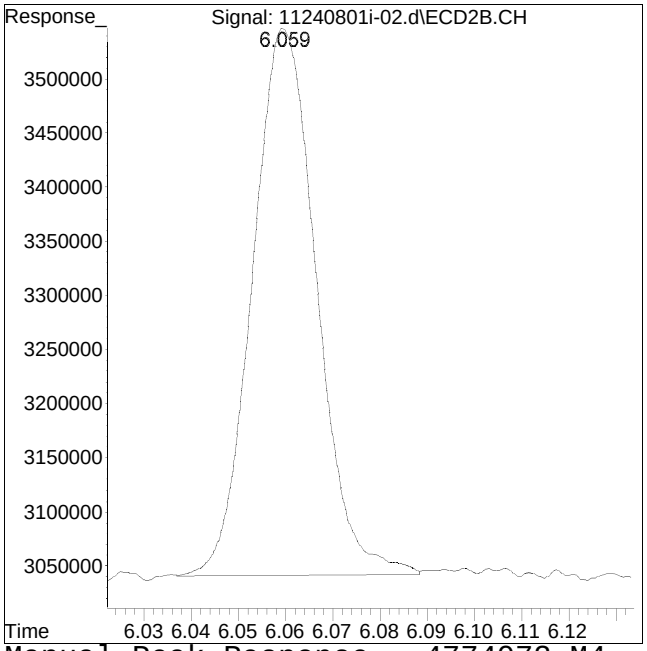
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 5035161



Manual Peak Response = 4774072 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:37
Operator : PEST11:ejl
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:37:46 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:37:32 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	220.8E6	175.5E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	2.165	2.556	6465041	6237465	0.527M4	0.587M4
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:37
Operator : PEST11:ejl
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:37:46 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:37:32 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

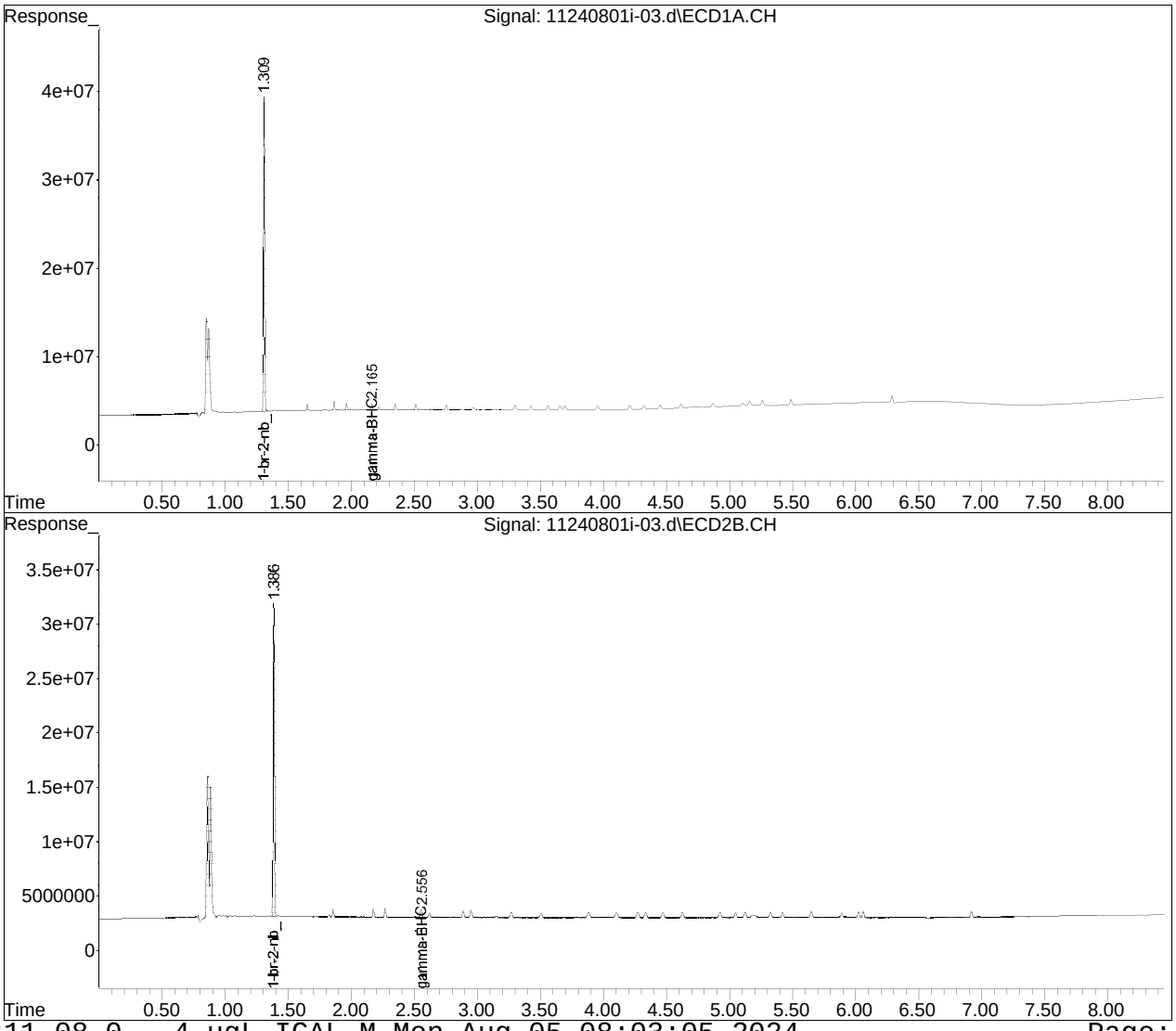
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:37
Operator : PEST11:ejl
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:37:46 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:37:32 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

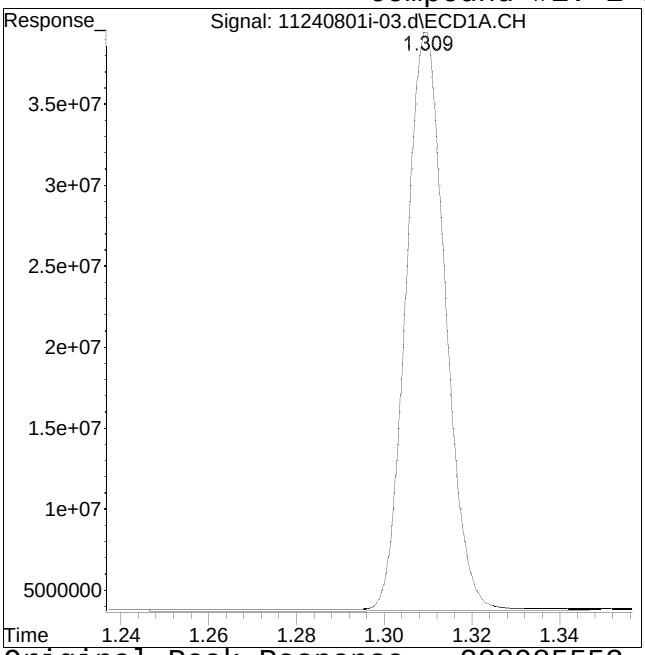


Manual Integration Report

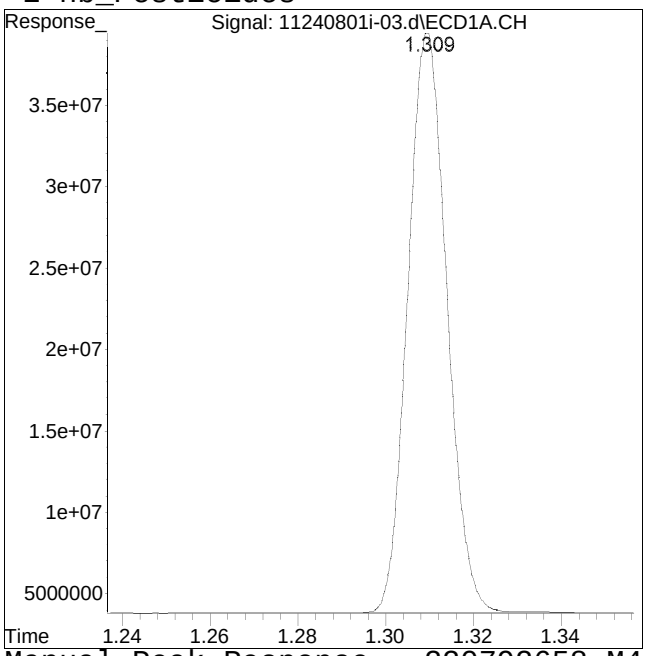
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-03.d
Date Inj'd : 8/1/2024 18:37
Sample : il1pest,42e,,pp 11687 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:37 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 228985553



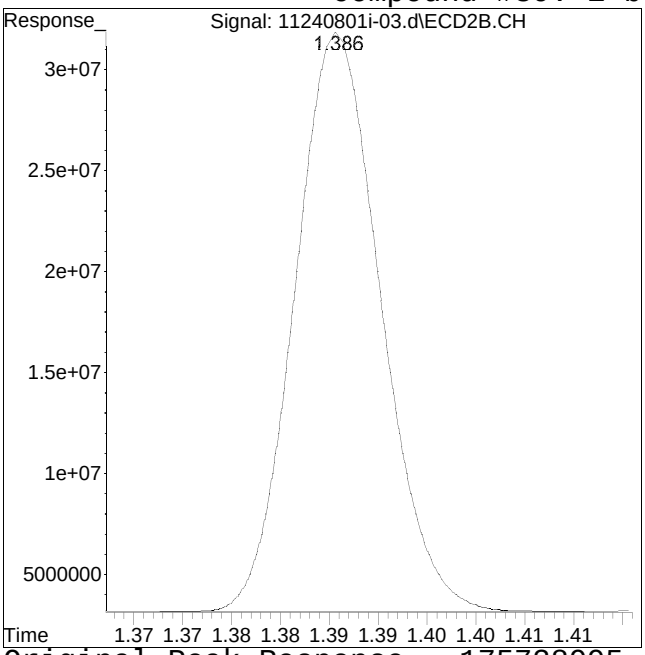
Manual Peak Response = 220792658 M4

M4 = Poor automated baseline construction.

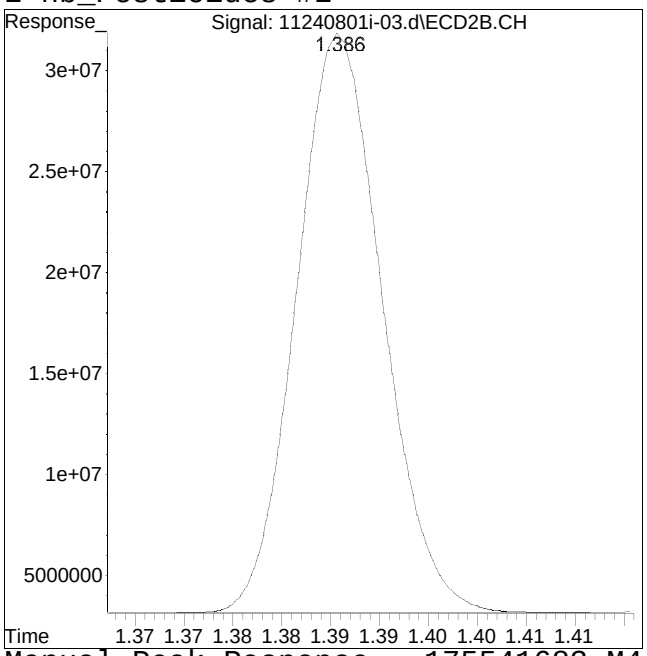
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-03.d
Date Inj'd : 8/1/2024 18:37
Sample : il1pest,42e,,pp 11687 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:37 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 175738995



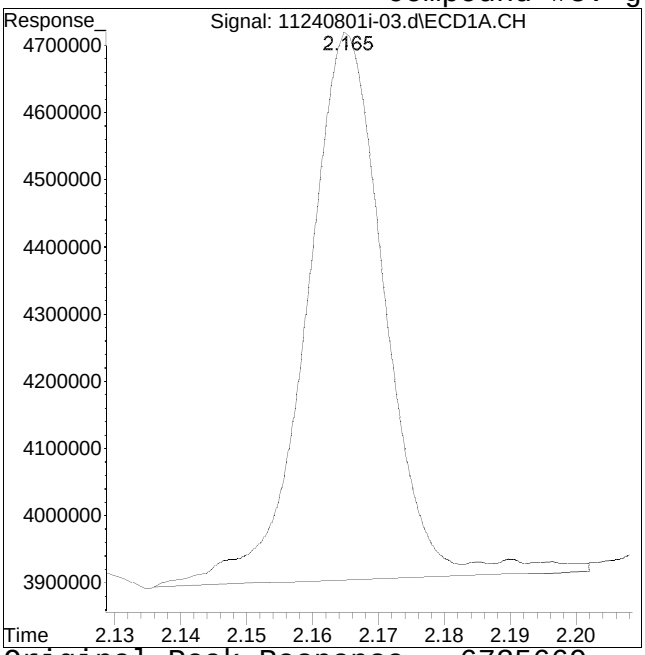
Manual Peak Response = 175541683 M4

M4 = Poor automated baseline construction.

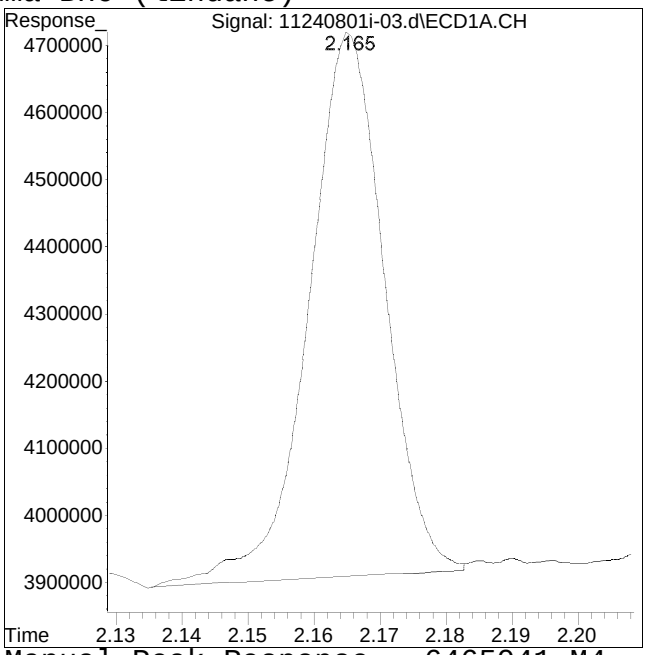
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-03.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:37 Instrument : Pest 11
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 8/2/2024 11:37 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 6735669



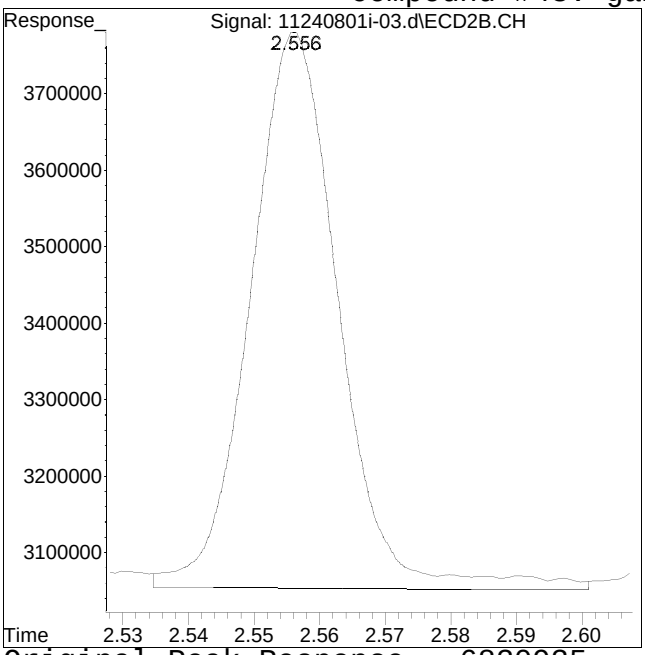
Manual Peak Response = 6465041 M4

M4 = Poor automated baseline construction.

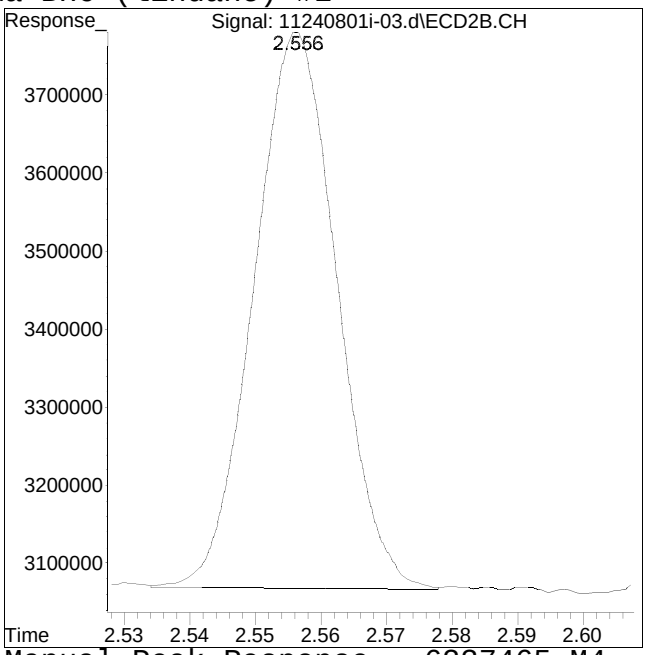
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-03.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:37 Instrument : Pest 11
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 8/2/2024 11:37 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 6830935



Manual Peak Response = 6237465 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:49
Operator : PEST11:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:23:45 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:23:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.385	236.2E6	189.9E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.651	1.857	10103750	9166304	1.033M4	1.095M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.07%#	2.19%#
27) s	Decachlorobi	6.287	6.916	12797286	9509129	1.189M4	1.208M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.38%#	2.42%#
	Target Compounds						
3) t	Hexachlorobe	1.864	2.177	14522616	11025327	1.106M4	1.197M3
4) t	alpha-BHC	1.963	2.270	12213270	11833439	0.873M3	0.957M4
5) t	gamma-BHC (l	2.165	2.555	12327860	11786896	0.933M4	1.029M4
6) t	beta-BHC	2.221	2.622	6284813	6484776	1.068M4	1.227
7) t	delta-BHC	2.349	2.888	11794485	11613870	0.898M4	1.004M4
8) t	Heptachlor	2.512	2.951	12406198	13569126	0.994M4	1.135M4
9) t	Aldrin	2.755	3.270	11094967	11481671	0.947M3	1.060M4
10) t	Alachlor	2.875	3.152	2283039	2193840	1.050M4	1.239M3
11) t	Chlorpyrifos	2.968	3.506	6350609	8645243	1.140M4	1.309M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:49
Operator : PEST11:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:23:45 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:23:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.883	11159206	12274465	0.996M4	1.153M4
13)	t	gamma-Chlord	3.424	4.104	10188540	11268731	1.002M4	1.150M3
14)	t	alpha-Chlord	3.558	4.274	11264127	12463945	0.978M4	1.154M4
15)	t	4,4'-DDE	3.655	4.472	10456227	10459964	0.921M4	1.029M4
16)	t	Endosulfan I	3.694	4.335	10476077	11507441	0.993M4	1.157M4
17)	t	Dieldrin	3.954	4.627	10104411	10753372	0.936M4	1.075M4
18)	t	Endrin	4.208	4.925	10369621	10955743	0.947M4	1.080M3
19)	t	4,4'-DDD	4.320	5.049	8095840	8492171	0.916M4	1.035M3
20)	t	Endosulfan I	4.450	5.125	9763069	10359858	0.980M4	1.141M4
21)	t	4,4'-DDT	4.615	5.326	9158338	9826532	0.906M4	1.039M4
22)	t	Endrin Aldeh	4.868	5.421	8559160	8781210	1.025M3	1.158M4
23)	t	Methoxychlor	5.103	5.890	6198489	6445389	1.124M3	1.236M4
24)	t	Mirex	5.159	6.023	10519898	10310168	1.188M3	1.296M4
25)	t	Endosulfan S	5.260	5.649	10237086	10496074	1.083M3	1.175M4
26)	t	Endrin Keton	5.486	6.060	11019089	10468738	0.984M4	1.106M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:49
Operator : PEST11:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:23:45 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:23:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

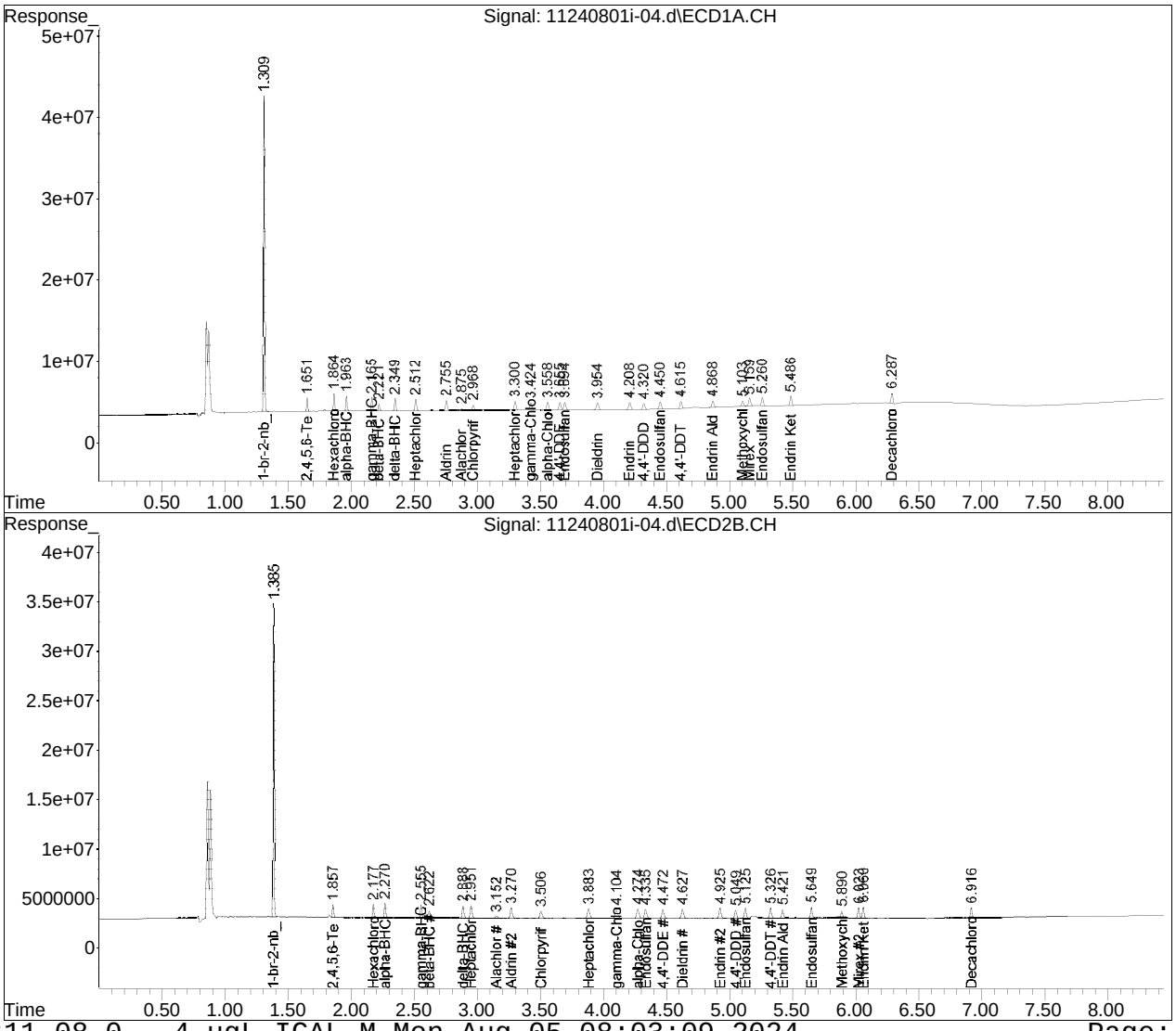
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:49
Operator : PEST11:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:23:45 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:23:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

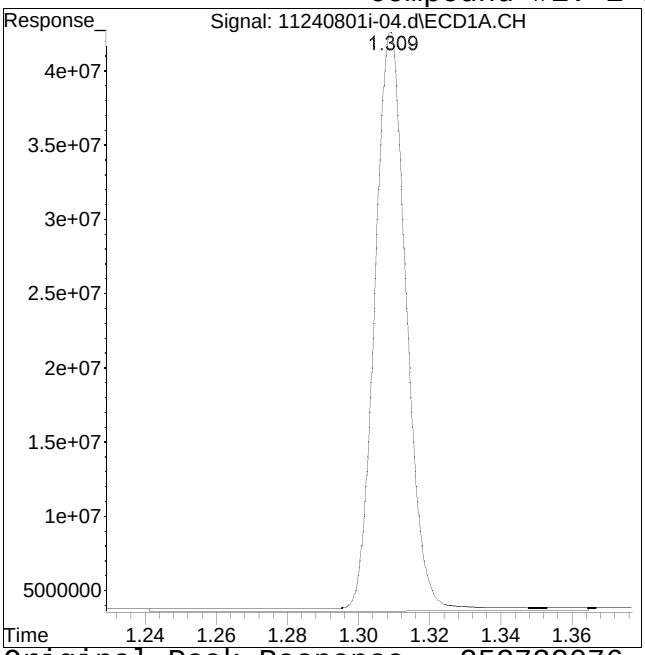


Manual Integration Report

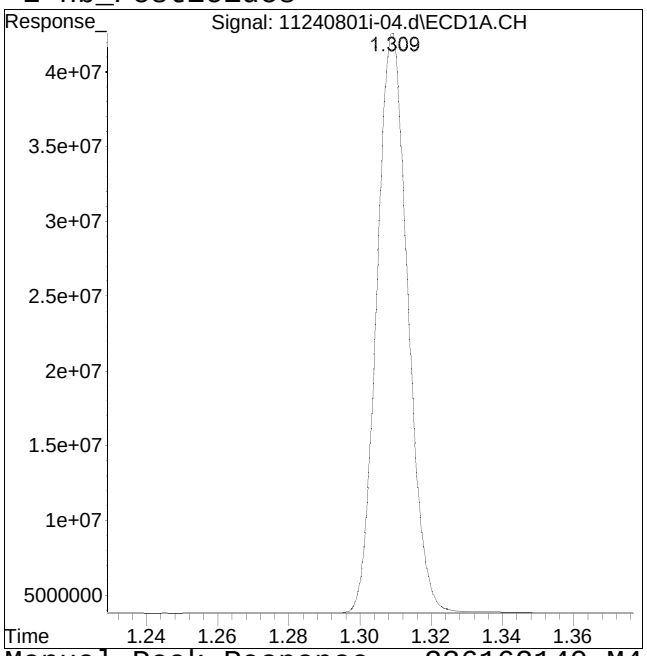
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 252732076



Manual Peak Response = 236162140 M4

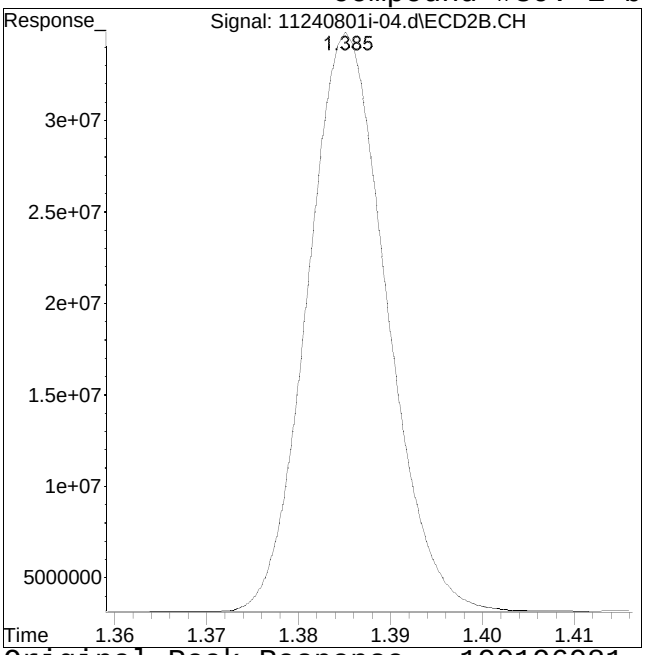
M4 = Poor automated baseline construction.

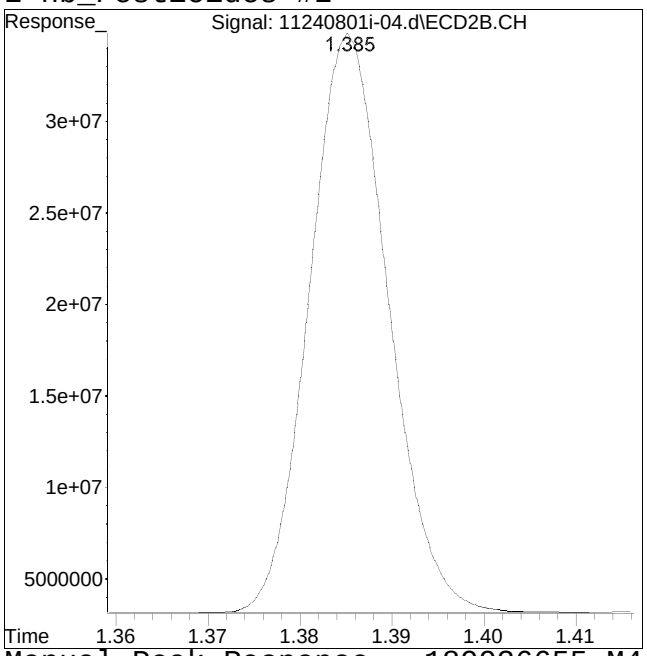
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #39: 1-br-2-nb_Pesticides #2





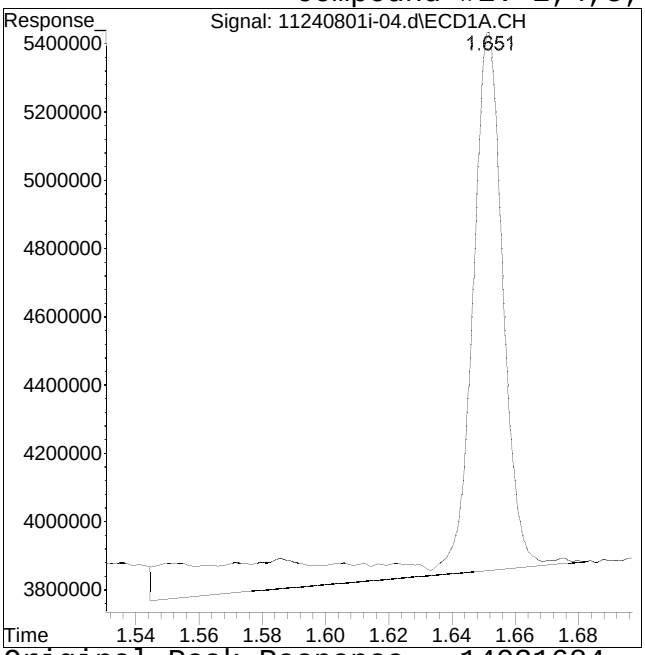
Original Peak Response = 190196981 Manual Peak Response = 189936655 M4
M4 = Poor automated baseline construction.

Manual Integration Report

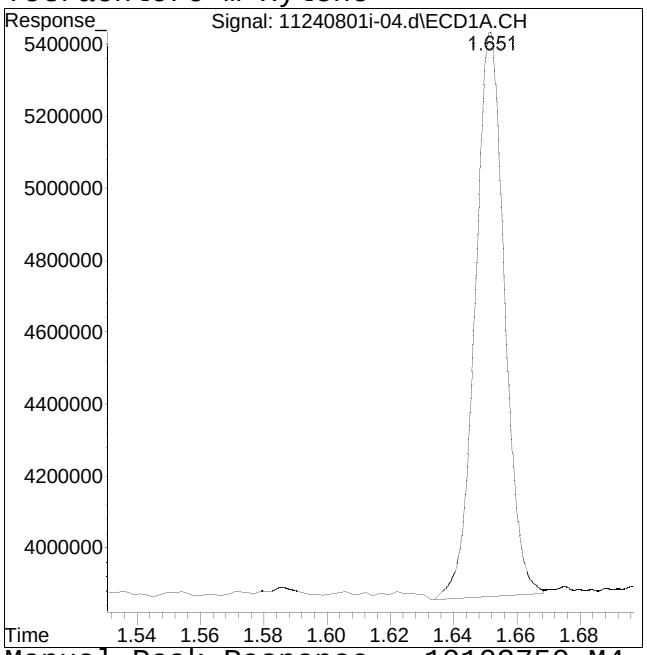
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 14031684



Manual Peak Response = 10103750 M4

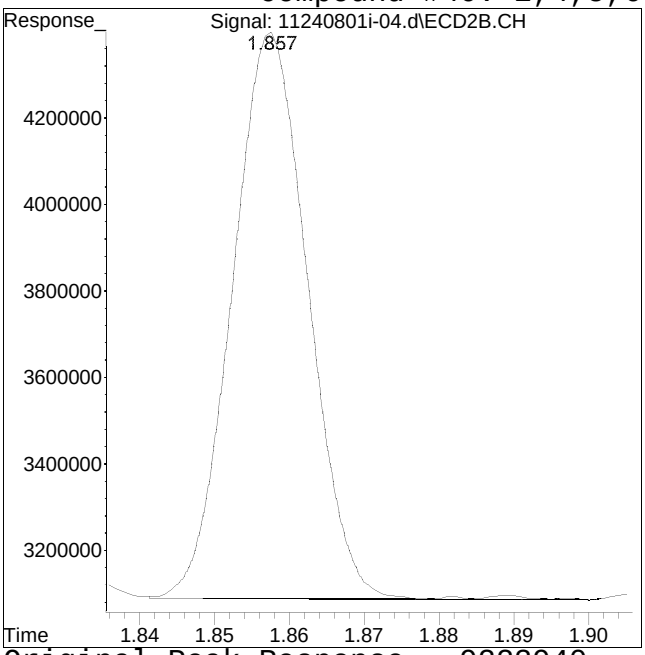
M4 = Poor automated baseline construction.

Manual Integration Report

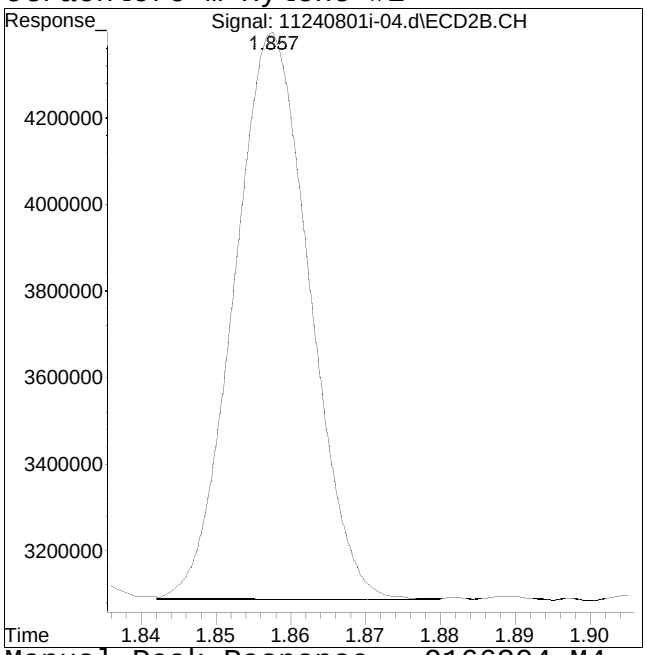
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 9223940



Manual Peak Response = 9166304 M4

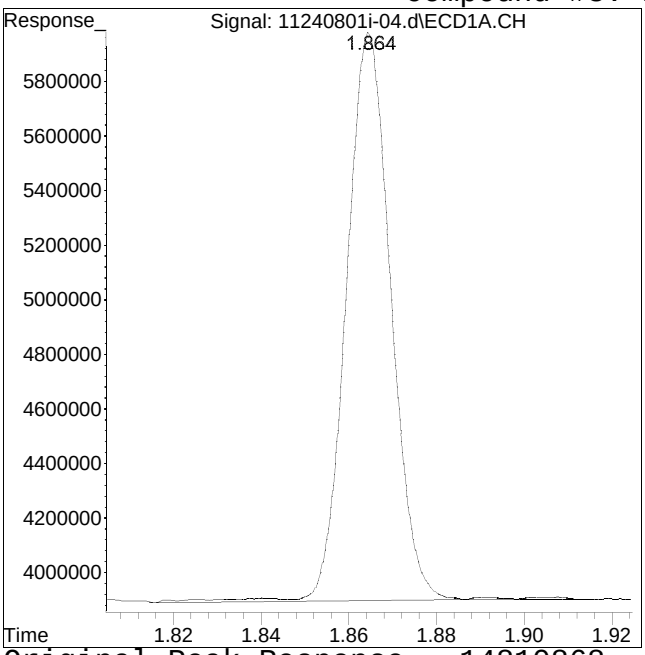
M4 = Poor automated baseline construction.

Manual Integration Report

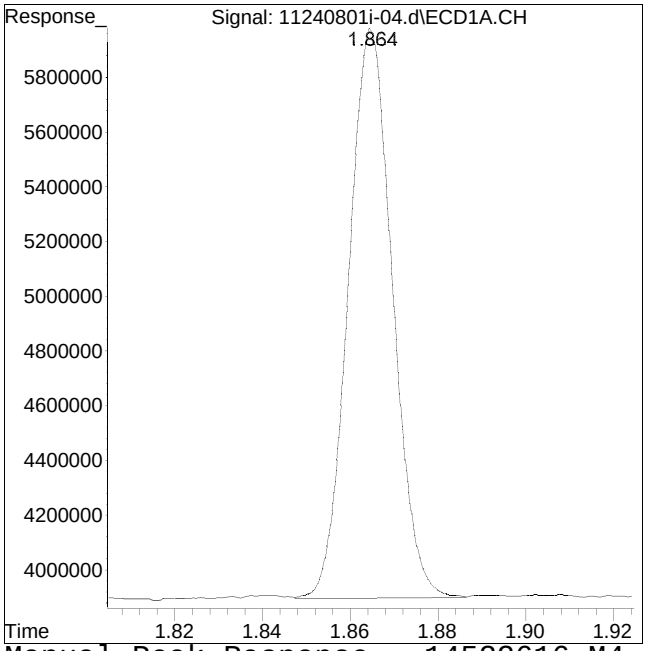
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #3: Hexachlorobenzene



Original Peak Response = 14810868



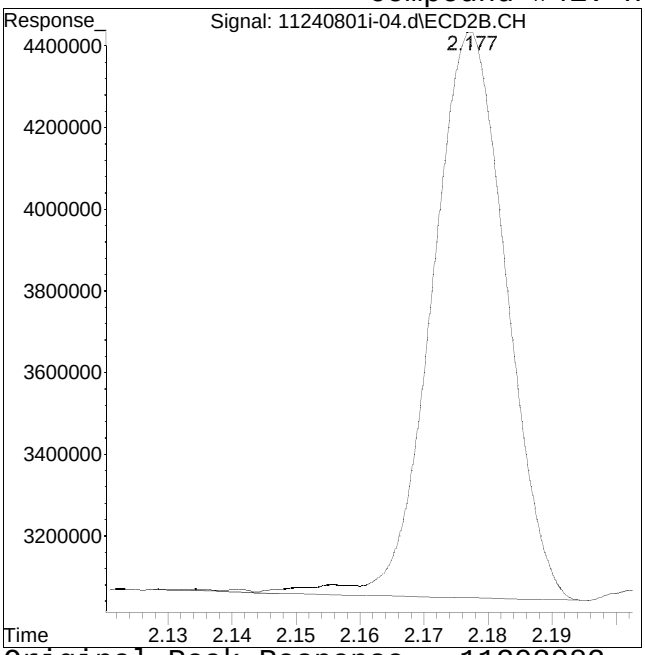
Manual Peak Response = 14522616 M4

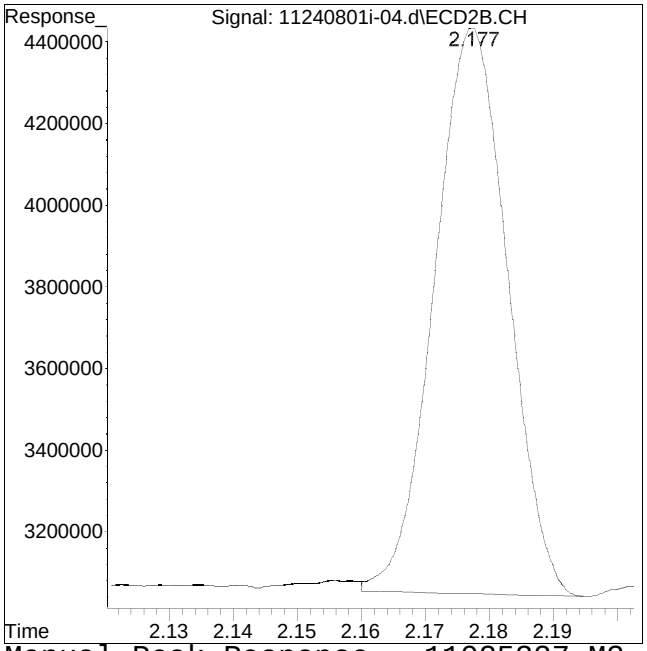
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #41: Hexachlorobenzene #2





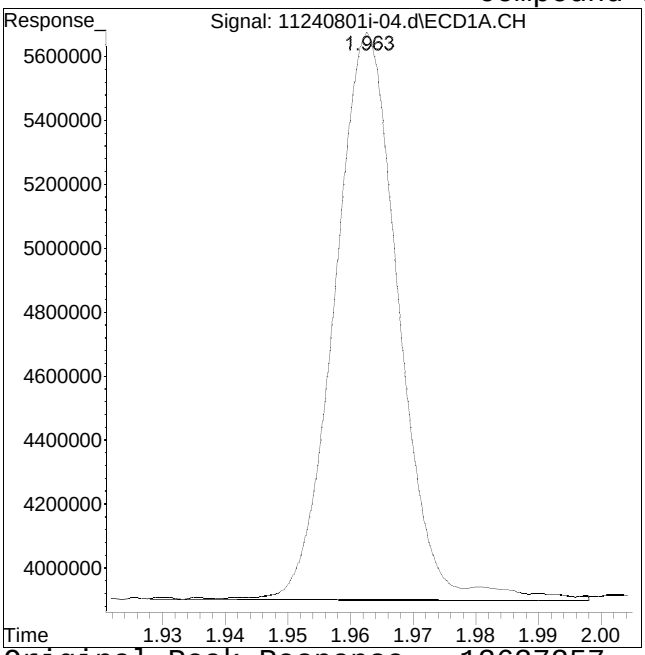
Original Peak Response = 11202282 Manual Peak Response = 11025327 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

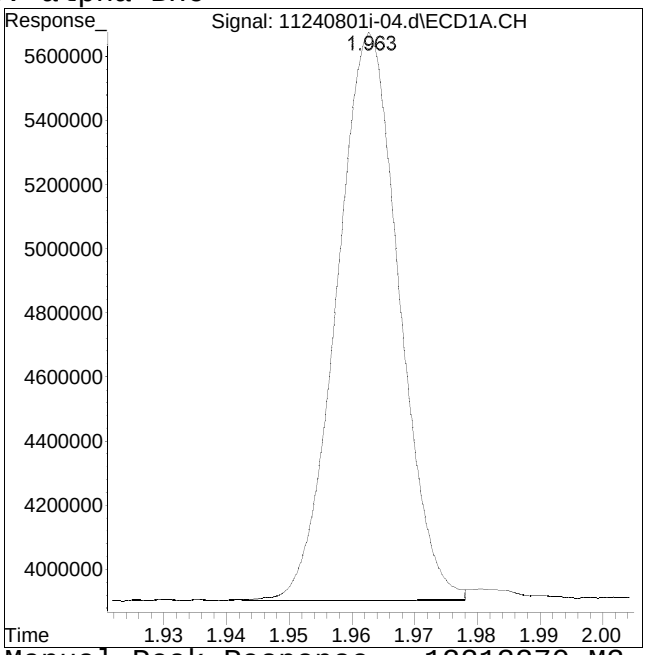
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #4: alpha-BHC





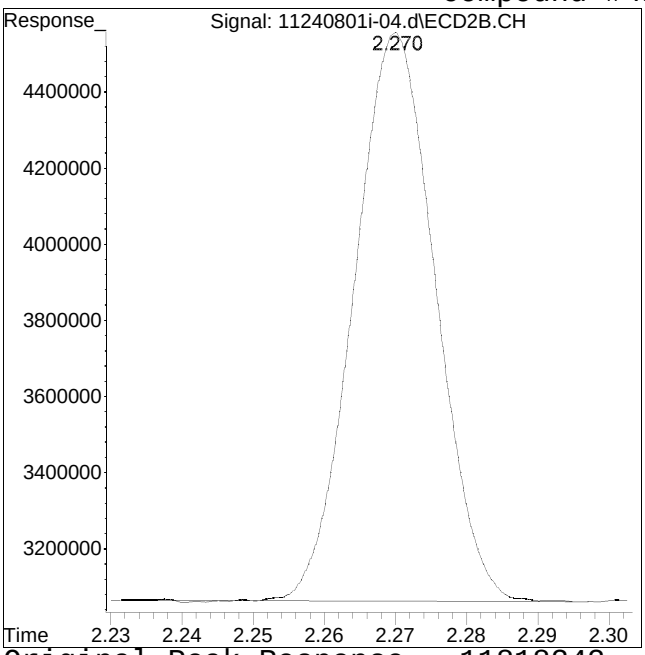
Original Peak Response = 12637257 Manual Peak Response = 12213270 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

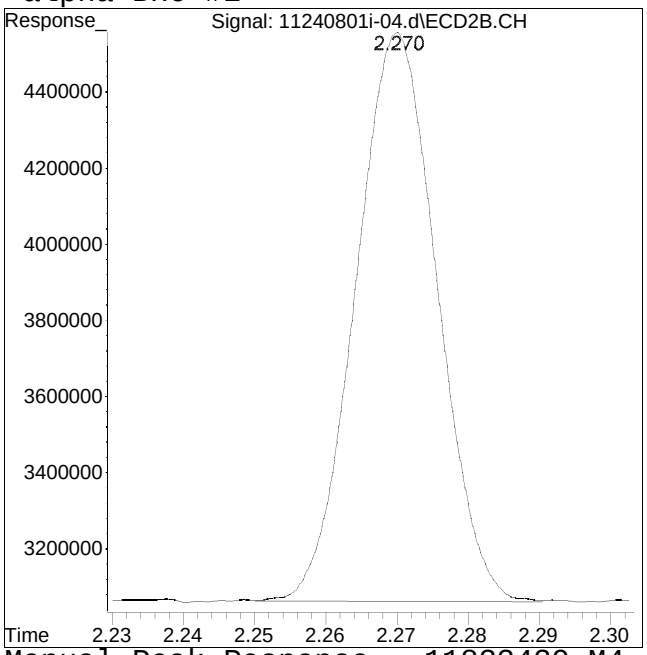
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #42: alpha-BHC #2



Original Peak Response = 11818242



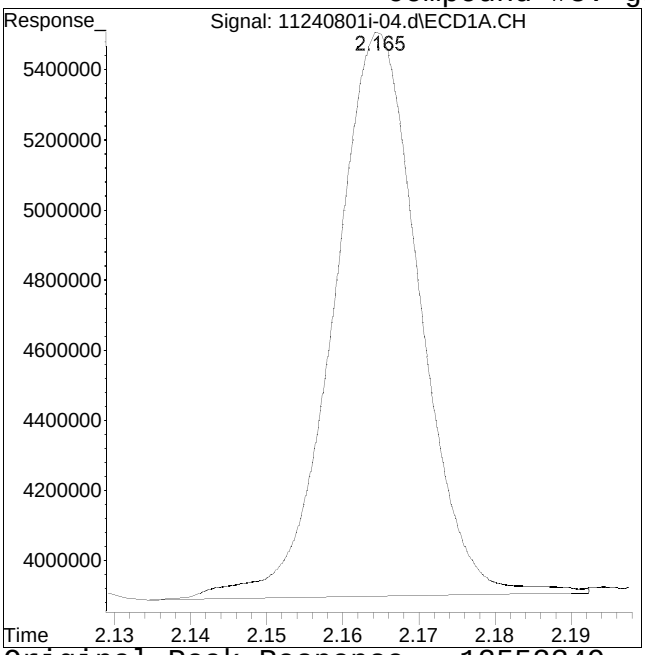
Manual Peak Response = 11833439 M4

M4 = Poor automated baseline construction.

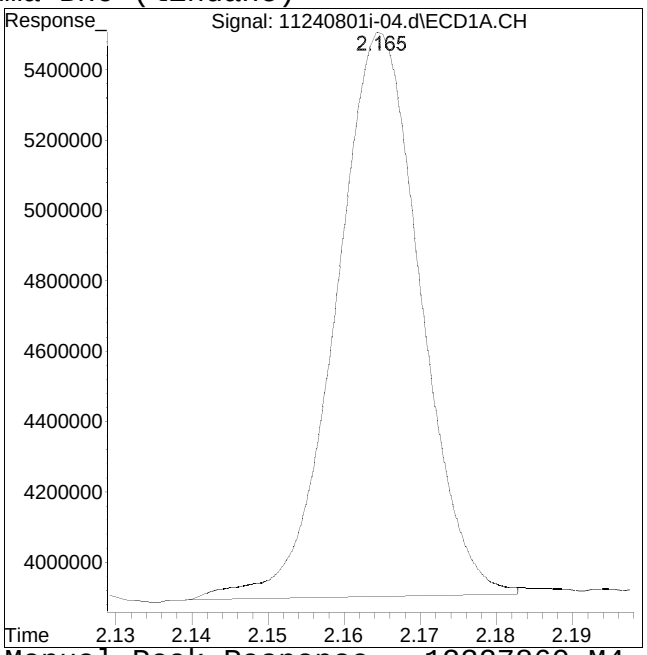
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 12552349



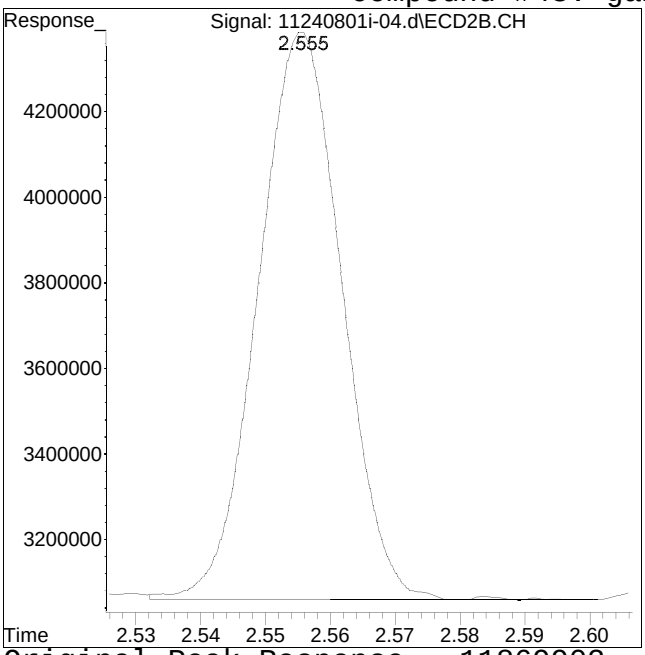
Manual Peak Response = 12327860 M4
M4 = Poor automated baseline construction.

Manual Integration Report

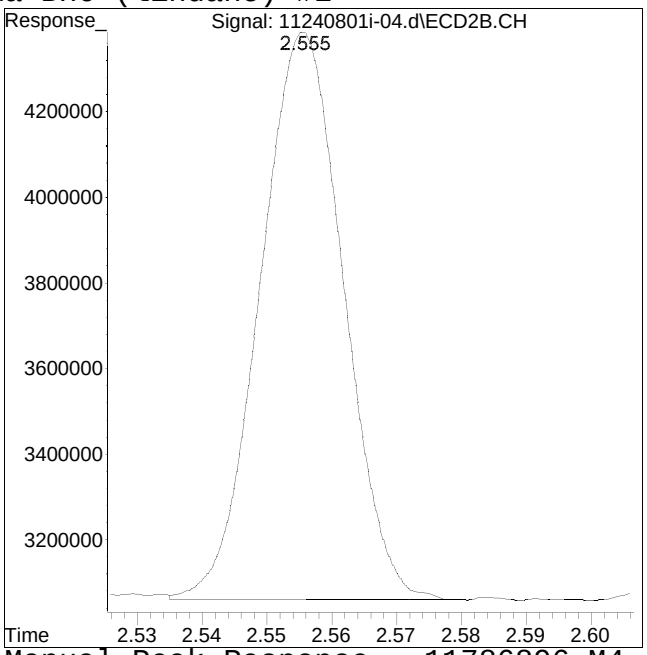
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 11869902



Manual Peak Response = 11786896 M4

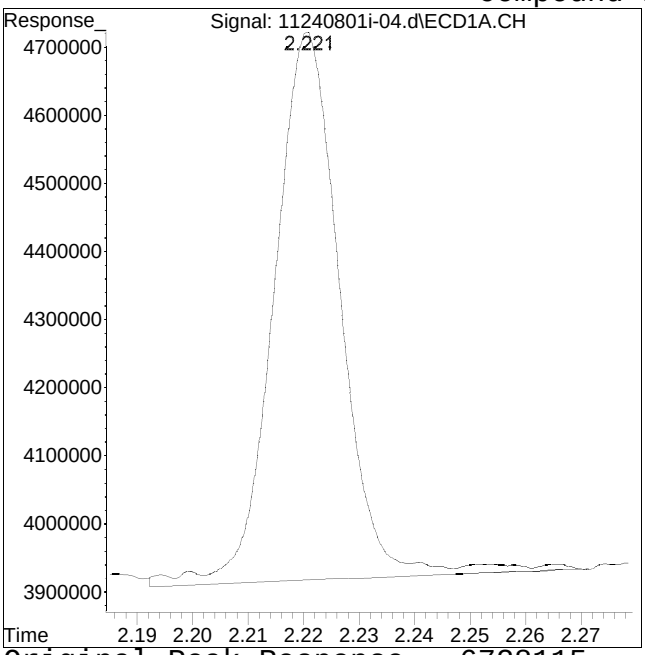
M4 = Poor automated baseline construction.

Manual Integration Report

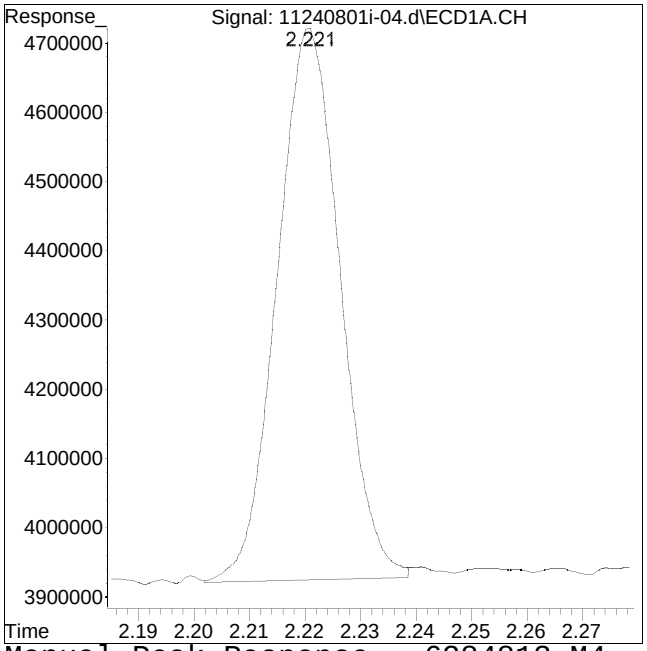
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #6: beta-BHC



Original Peak Response = 6728115



Manual Peak Response = 6284813 M4

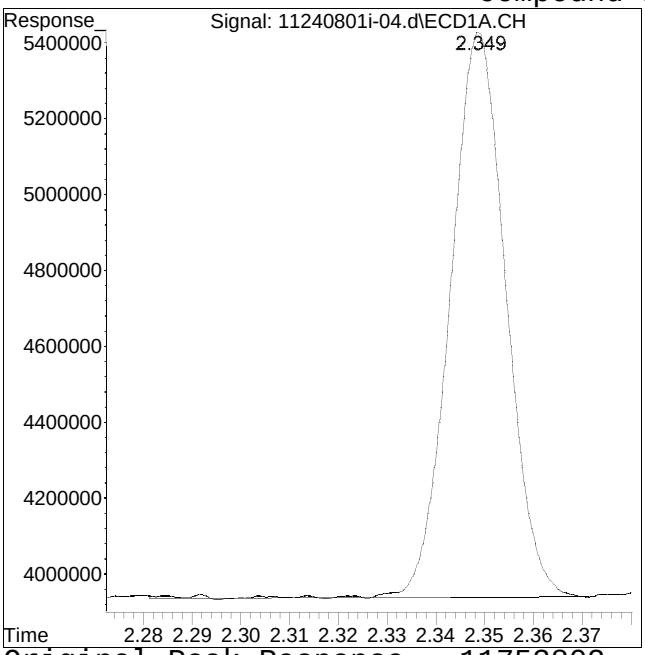
M4 = Poor automated baseline construction.

Manual Integration Report

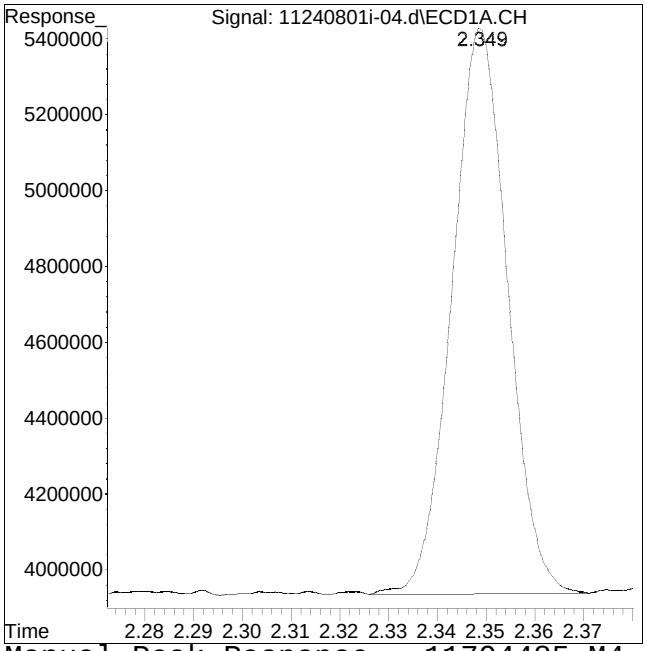
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #7: delta-BHC



Original Peak Response = 11753802



Manual Peak Response = 11794485 M4

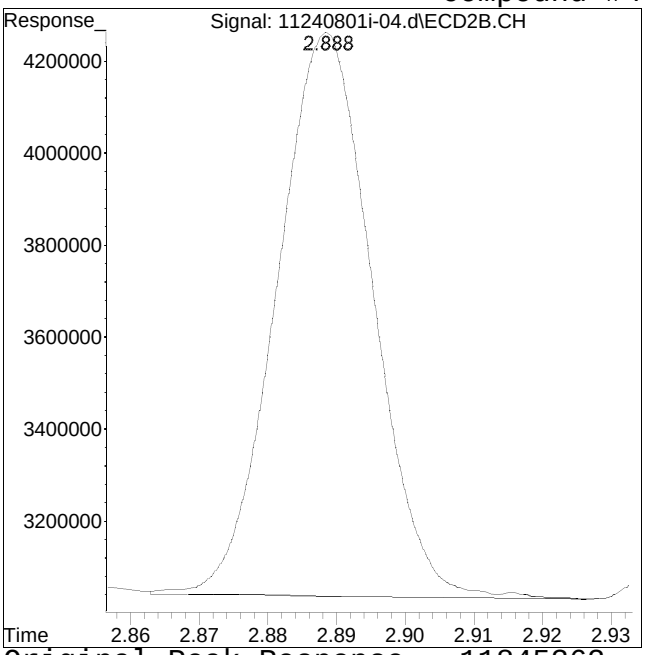
M4 = Poor automated baseline construction.

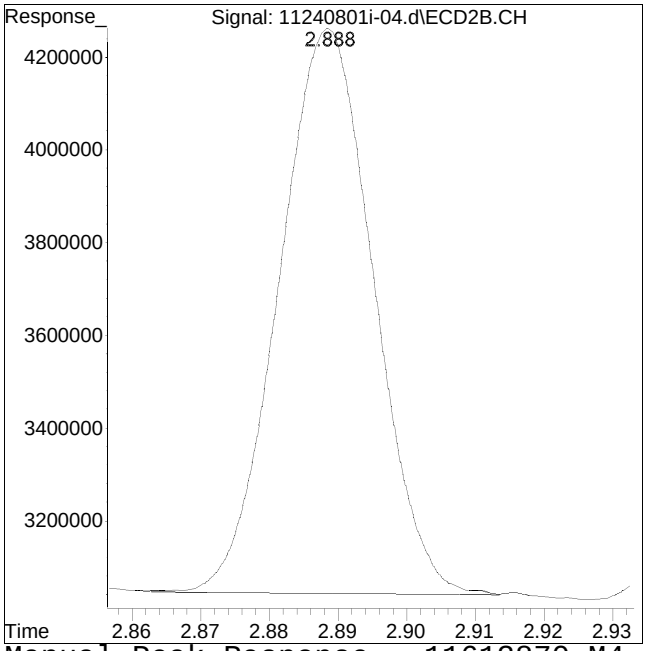
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #45: delta-BHC #2



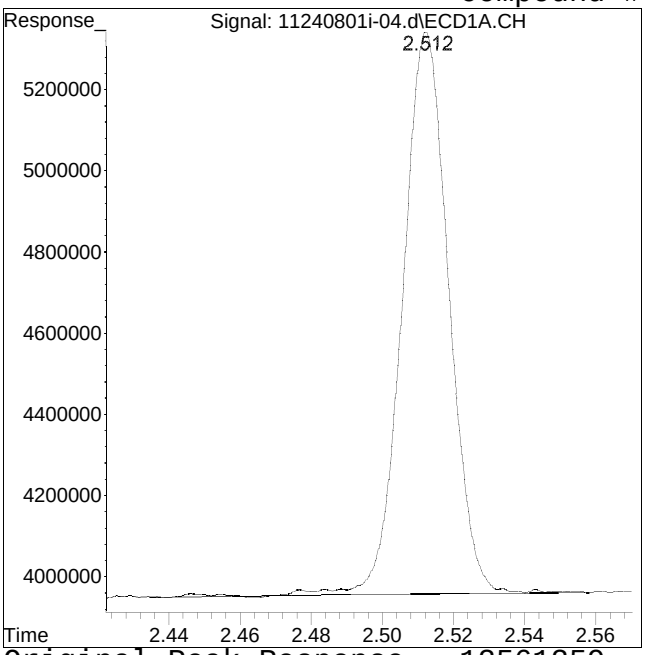


Original Peak Response = 11845362 Manual Peak Response = 11613870 M4
M4 = Poor automated baseline construction.

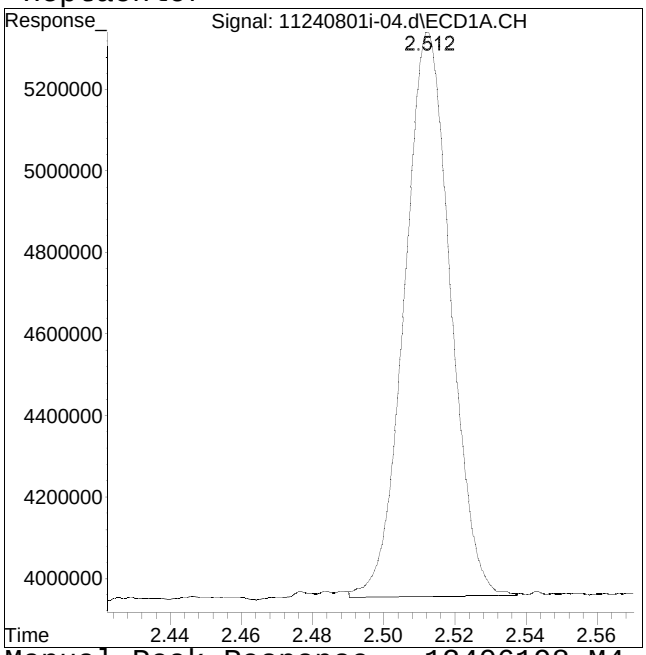
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #8: Heptachlor



Original Peak Response = 12561259



Manual Peak Response = 12406198 M4

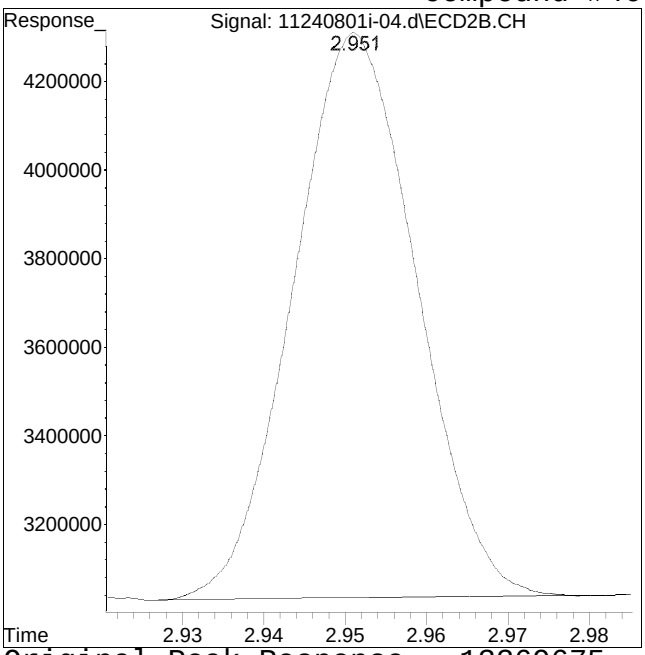
M4 = Poor automated baseline construction.

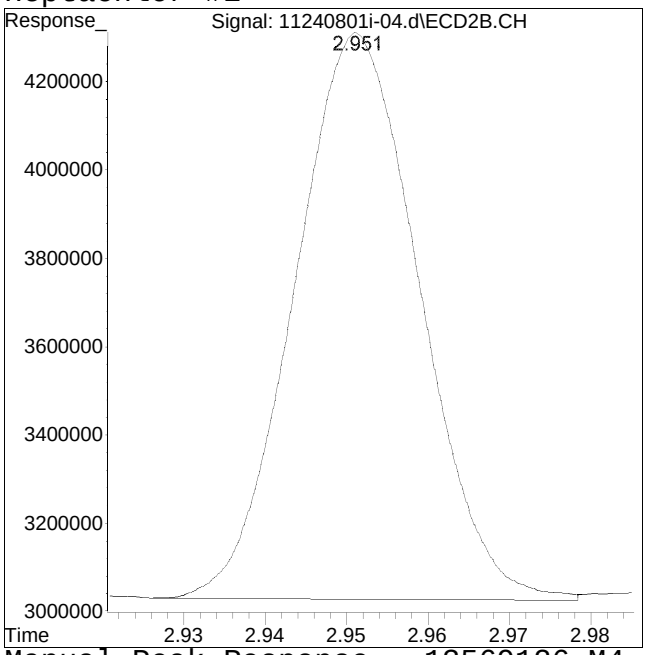
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #46: Heptachlor #2





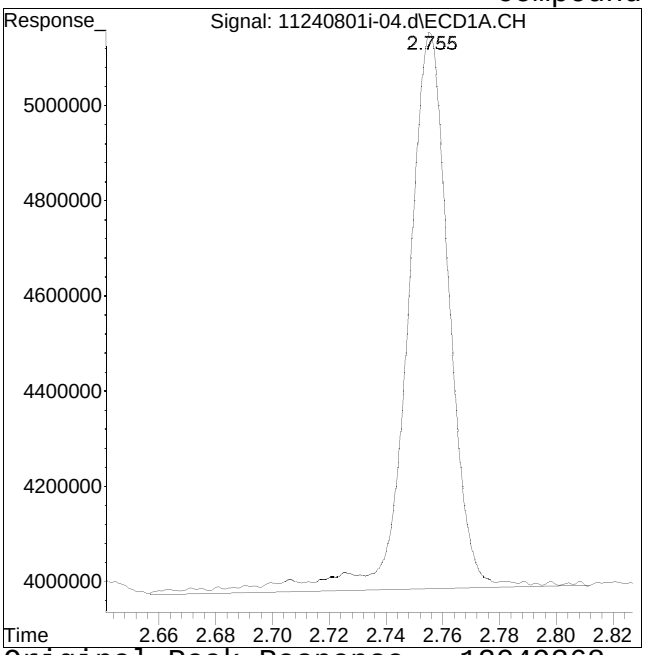
Original Peak Response = 13369675 Manual Peak Response = 13569126 M4
M4 = Poor automated baseline construction.

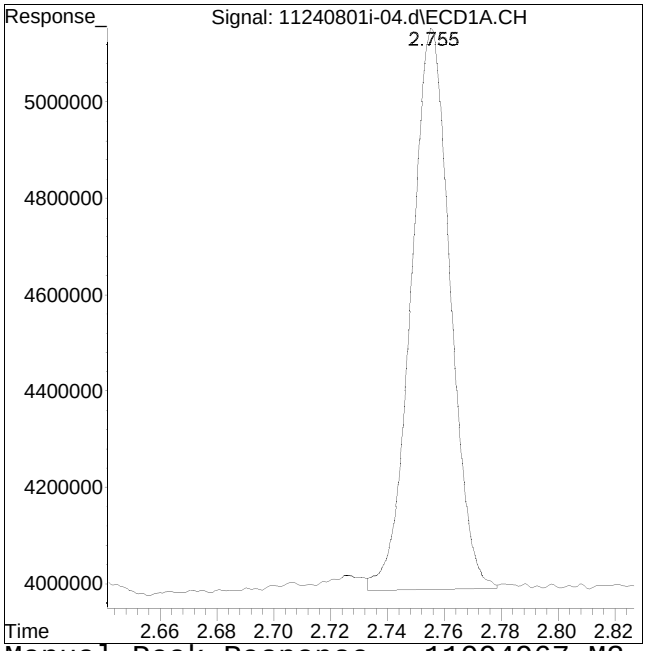
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #9: Aldrin





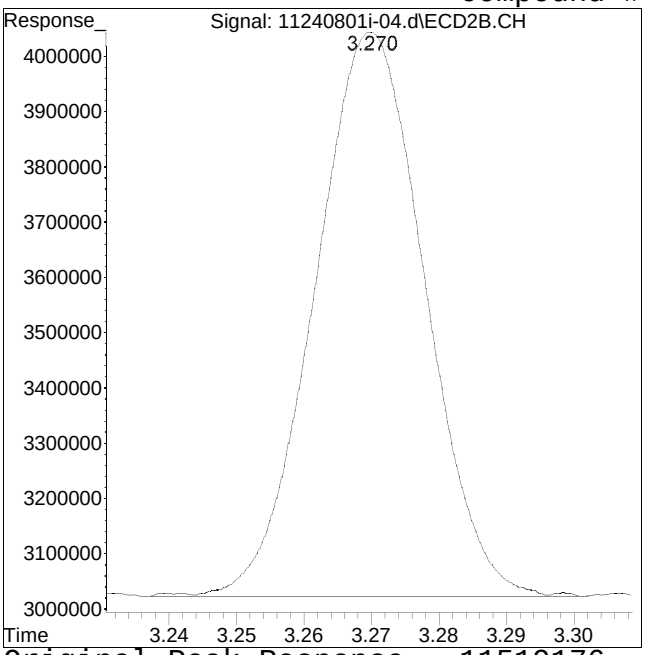
Original Peak Response = 12049368 Manual Peak Response = 11094967 M3

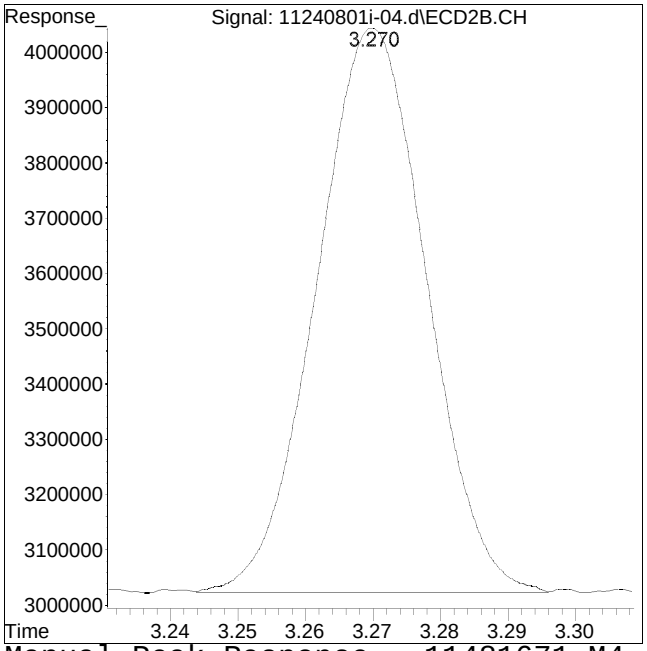
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #47: Aldrin #2





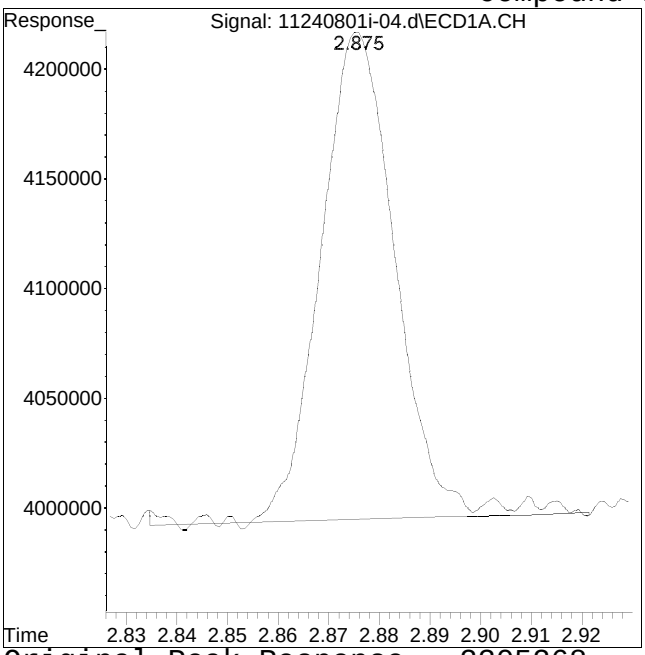
Original Peak Response = 11519176 Manual Peak Response = 11481671 M4
M4 = Poor automated baseline construction.

Manual Integration Report

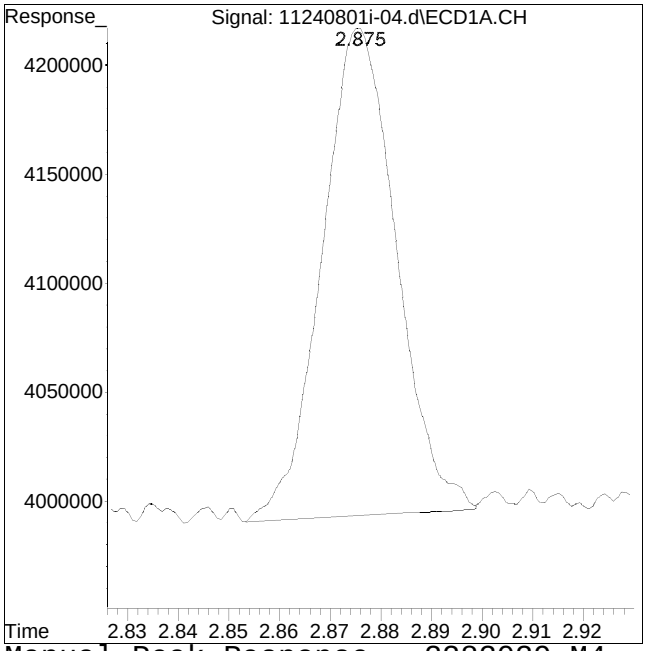
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #10: Alachlor



Original Peak Response = 2305268



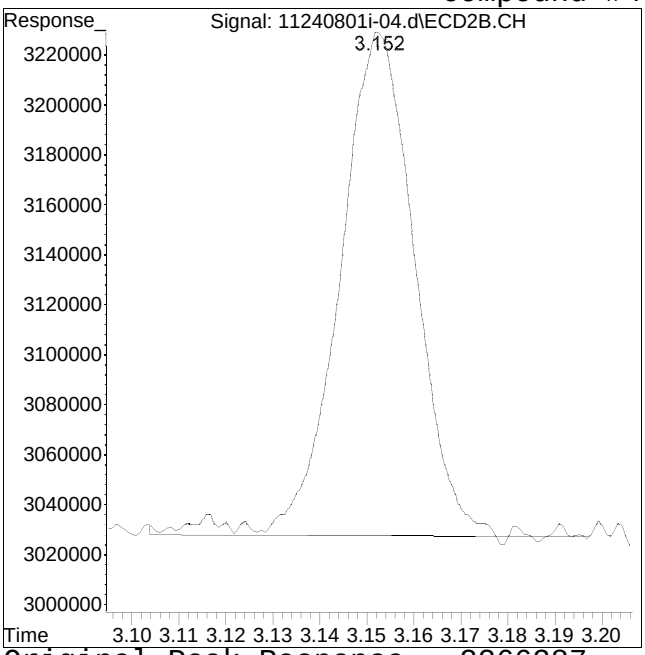
Manual Peak Response = 2283039 M4

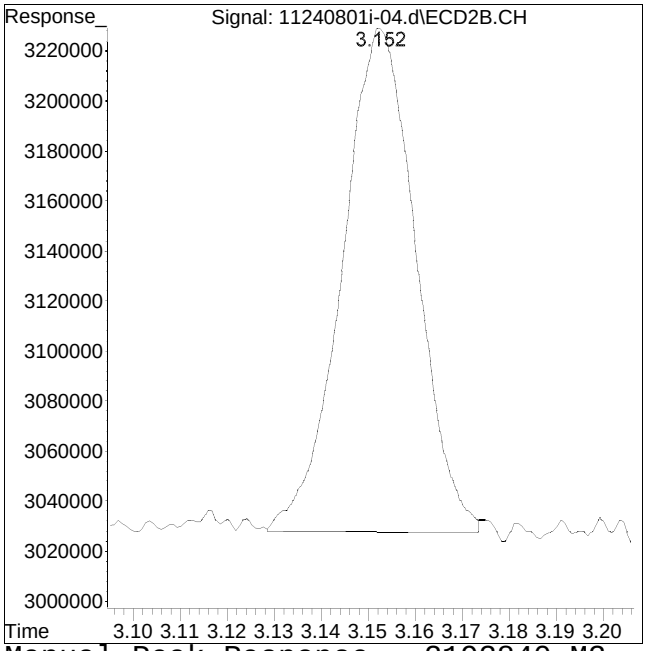
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #48: Alachlor #2





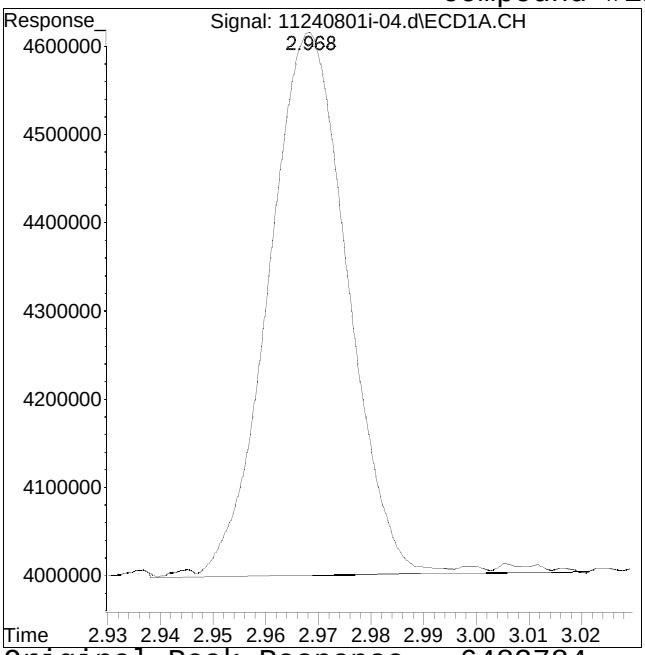
Original Peak Response = 2266287 Manual Peak Response = 2193840 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

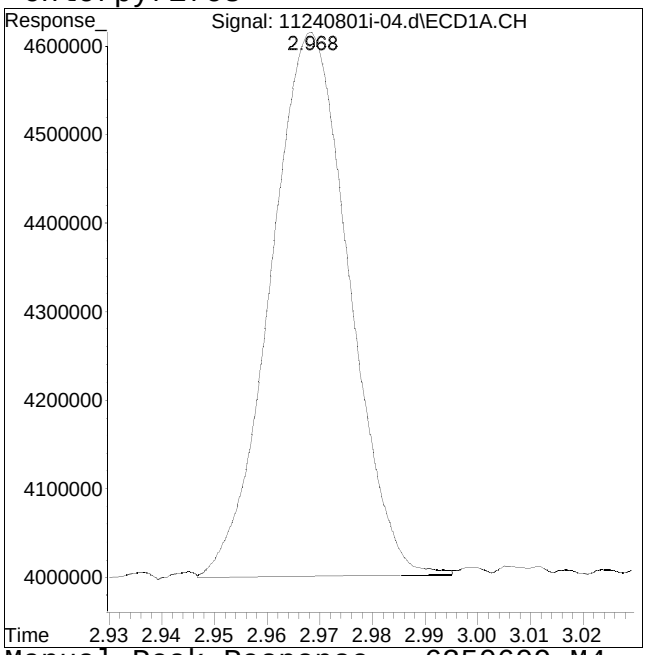
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #11: Chlorpyrifos



Original Peak Response = 6483784



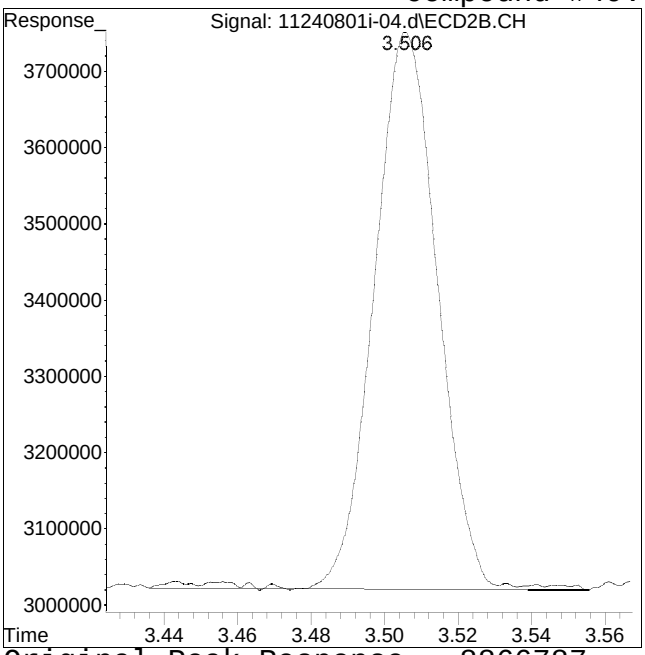
Manual Peak Response = 6350609 M4

M4 = Poor automated baseline construction.

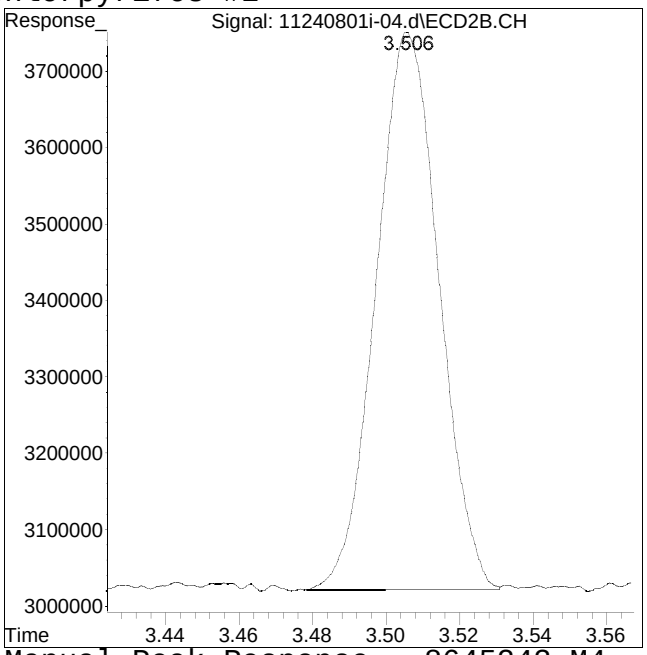
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 8866787



Manual Peak Response = 8645243 M4

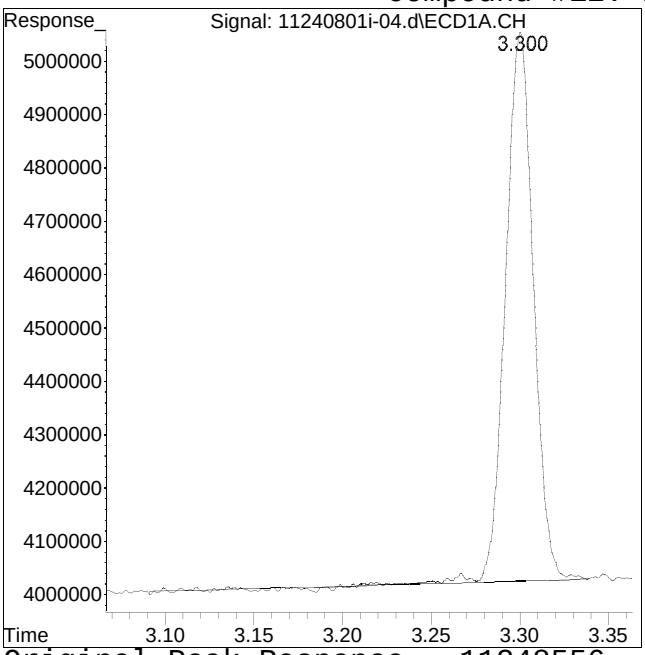
M4 = Poor automated baseline construction.

Manual Integration Report

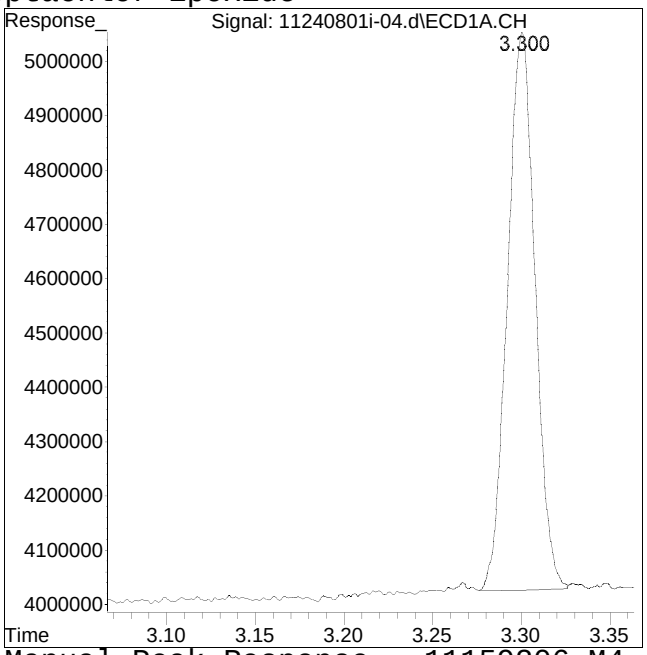
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 11248556



Manual Peak Response = 11159206 M4

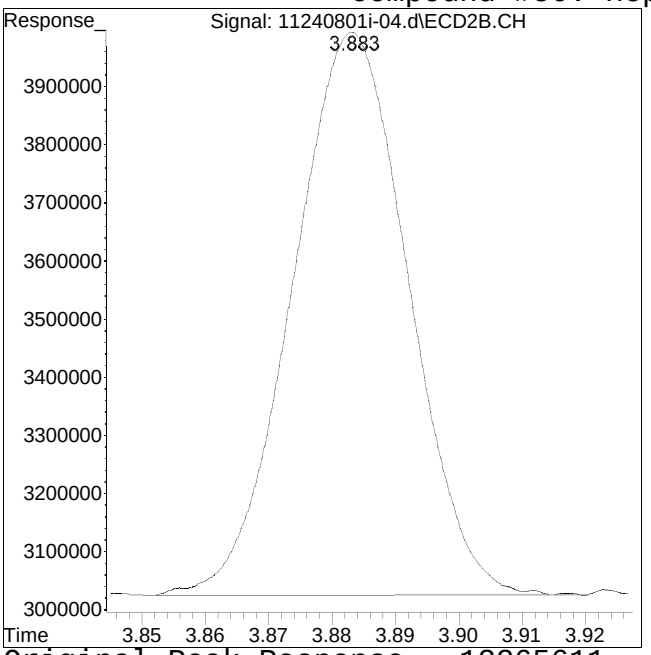
M4 = Poor automated baseline construction.

Manual Integration Report

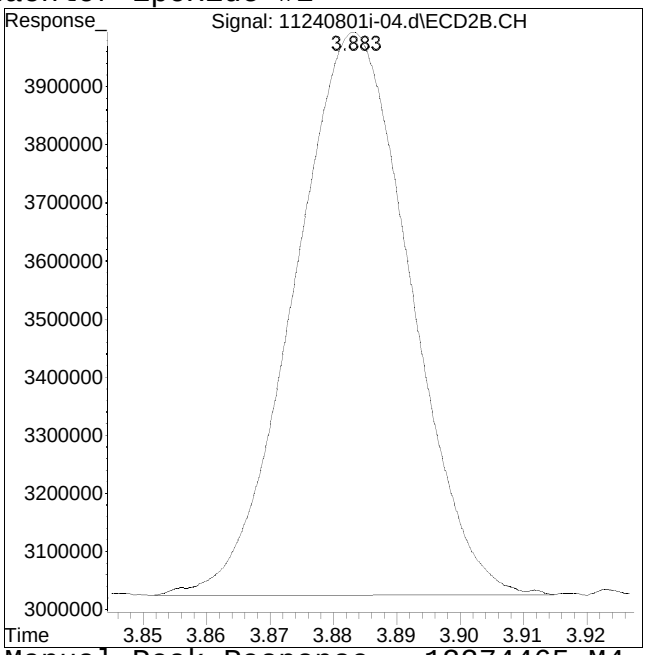
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 12265611



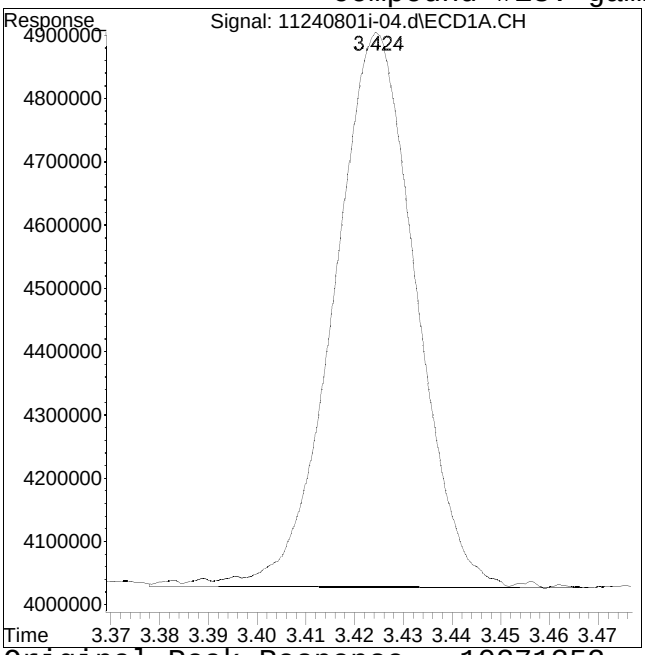
Manual Peak Response = 12274465 M4

M4 = Poor automated baseline construction.

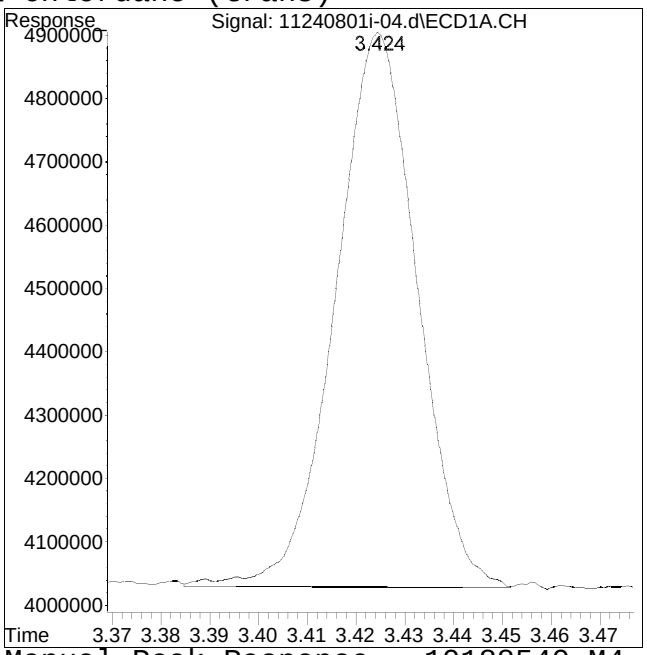
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 10271352



Manual Peak Response = 10188540 M4

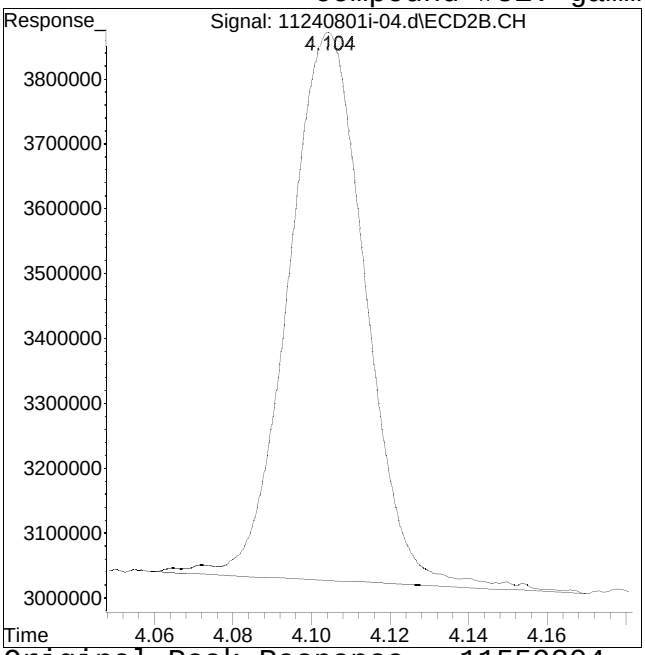
M4 = Poor automated baseline construction.

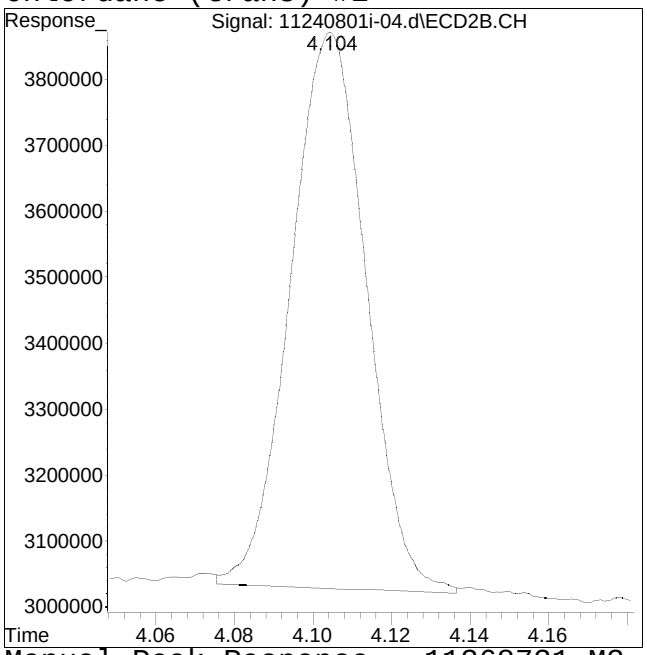
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #51: gamma-Chlordane (trans) #2





Original Peak Response = 11559204 Manual Peak Response = 11268731 M3

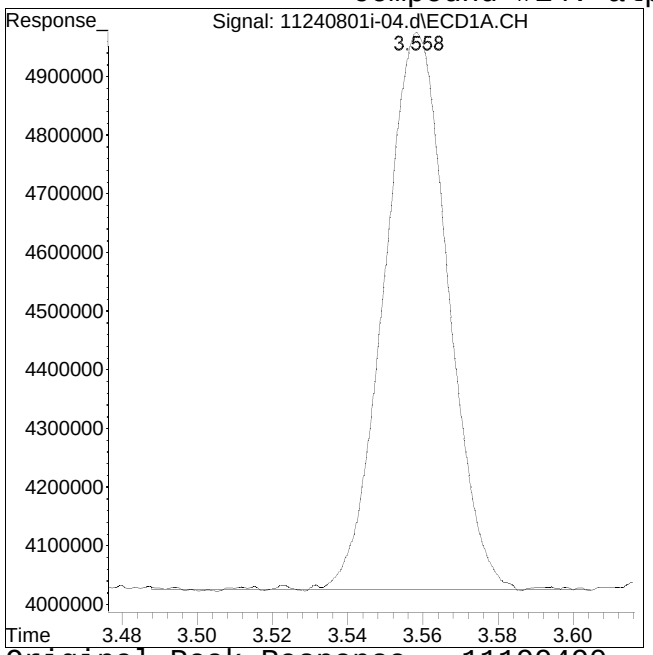
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

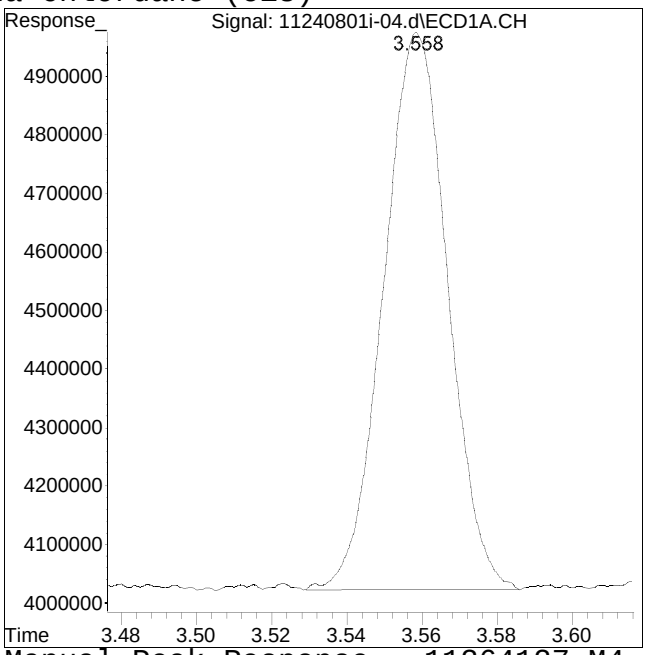
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 11199490



Manual Peak Response = 11264127 M4

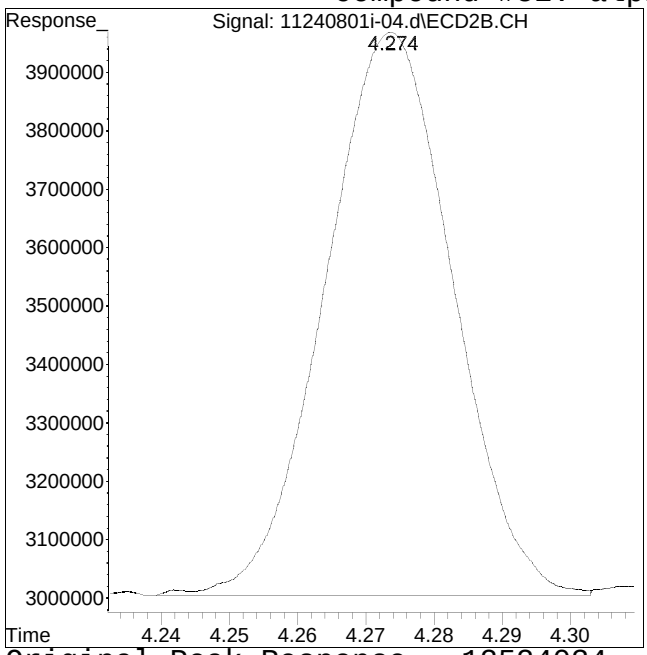
M4 = Poor automated baseline construction.

Manual Integration Report

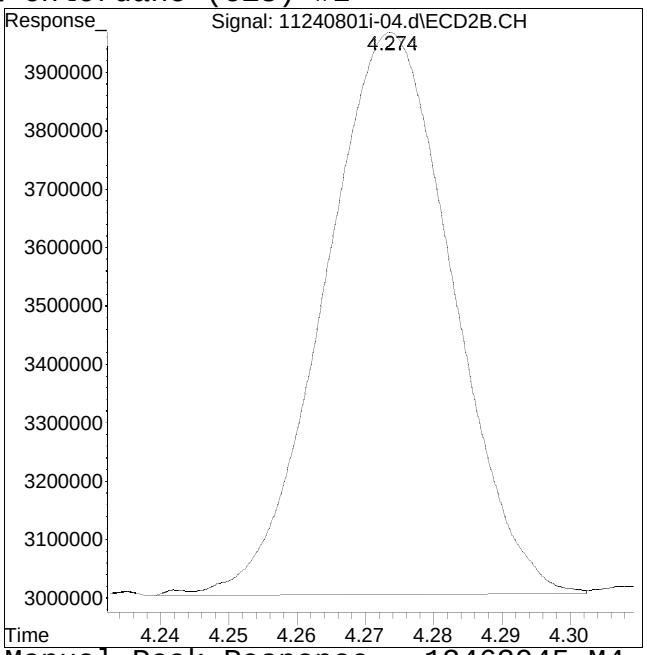
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 12524034



Manual Peak Response = 12463945 M4

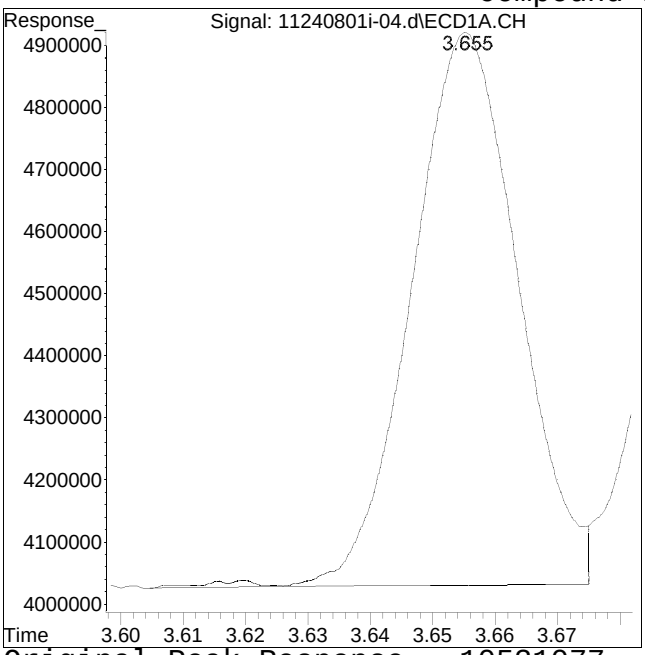
M4 = Poor automated baseline construction.

Manual Integration Report

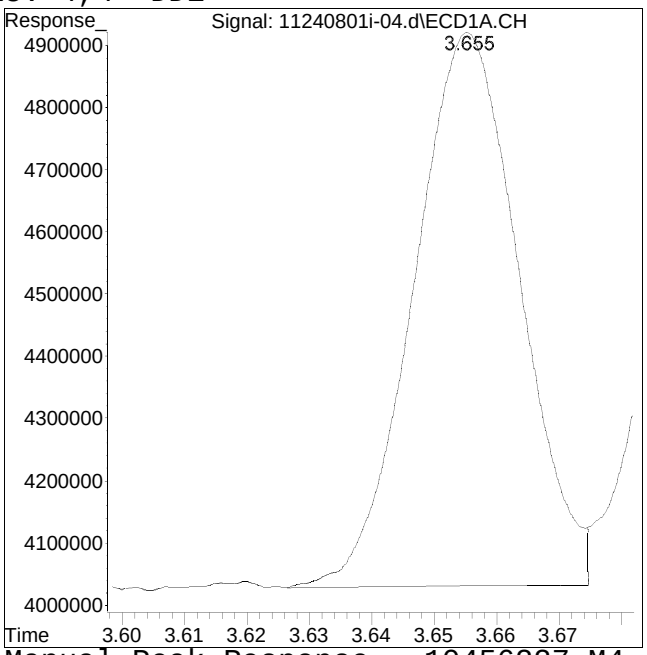
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #15: 4,4'-DDE



Original Peak Response = 10531077



Manual Peak Response = 10456227 M4

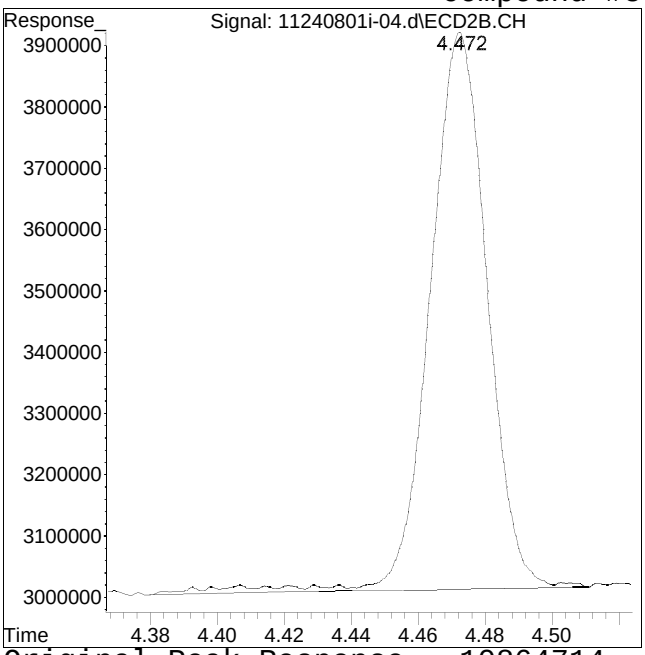
M4 = Poor automated baseline construction.

Manual Integration Report

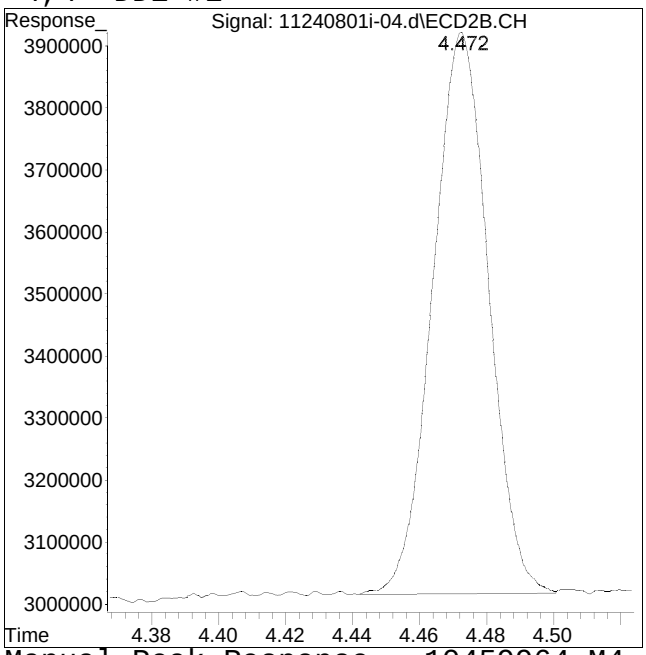
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 10864714



Manual Peak Response = 10459964 M4

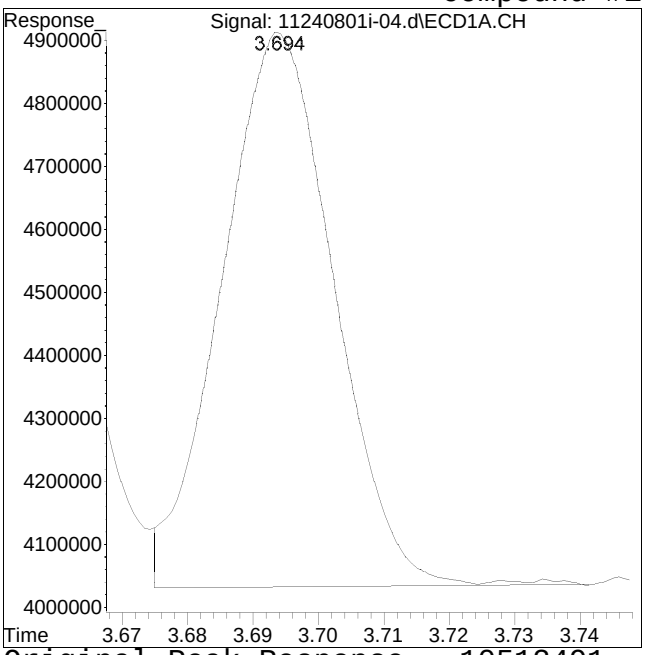
M4 = Poor automated baseline construction.

Manual Integration Report

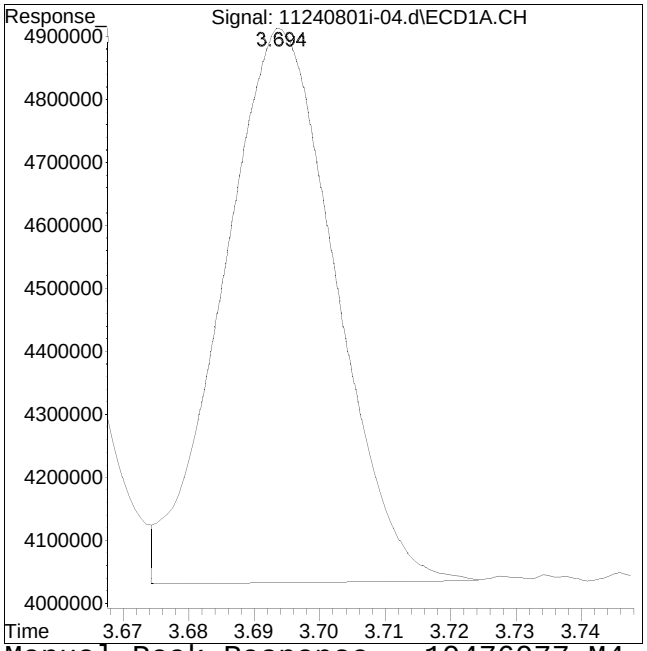
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #16: Endosulfan I



Original Peak Response = 10512491



Manual Peak Response = 10476077 M4

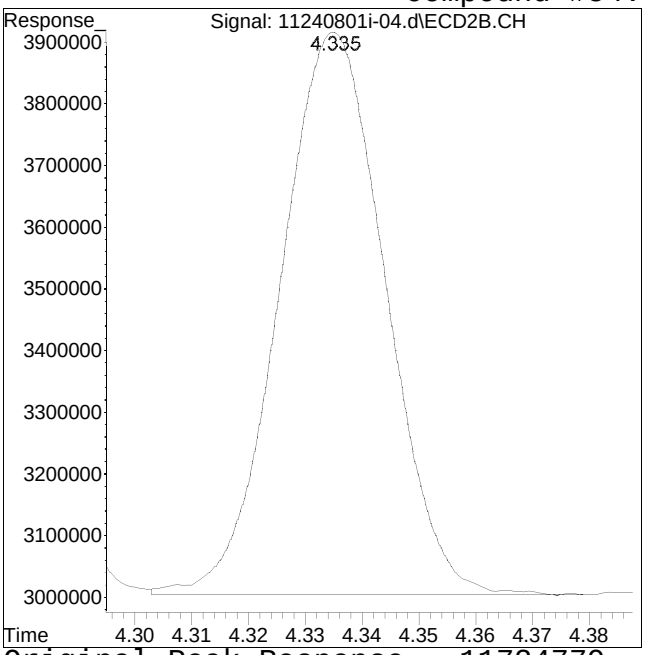
M4 = Poor automated baseline construction.

Manual Integration Report

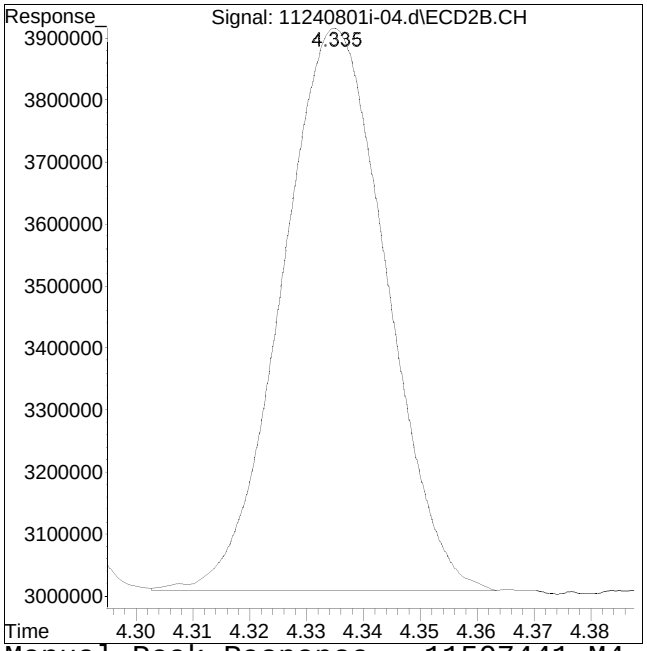
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #54: Endosulfan I #2



Original Peak Response = 11724779



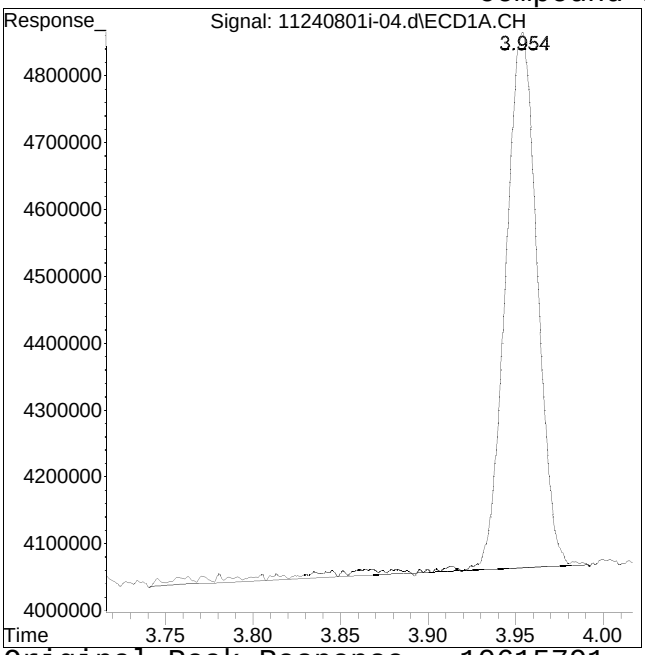
Manual Peak Response = 11507441 M4

M4 = Poor automated baseline construction.

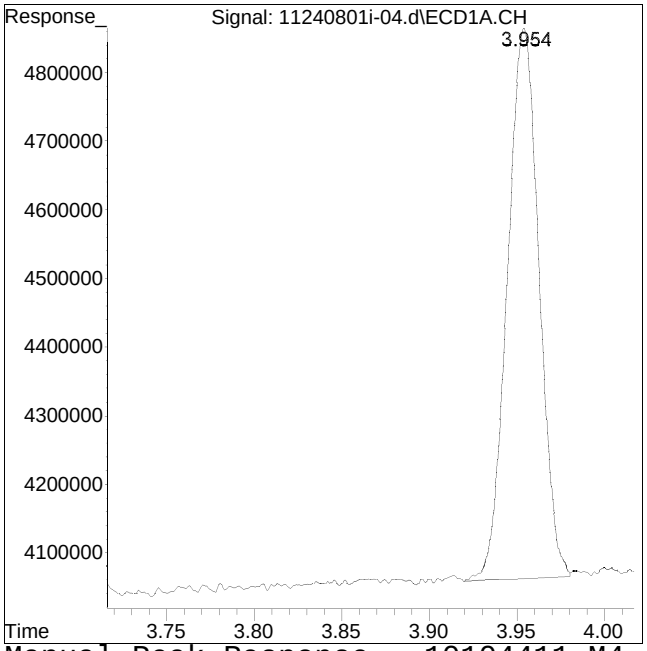
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #17: Dieldrin



Original Peak Response = 10615791



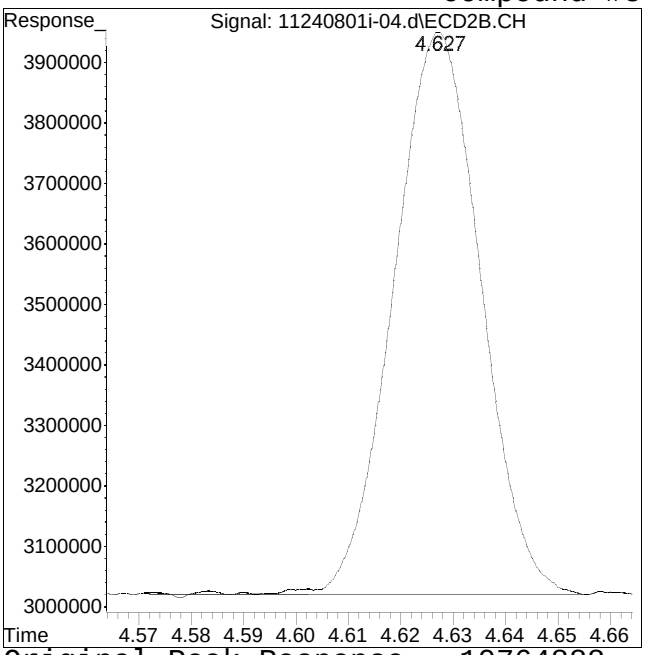
Manual Peak Response = 10104411 M4

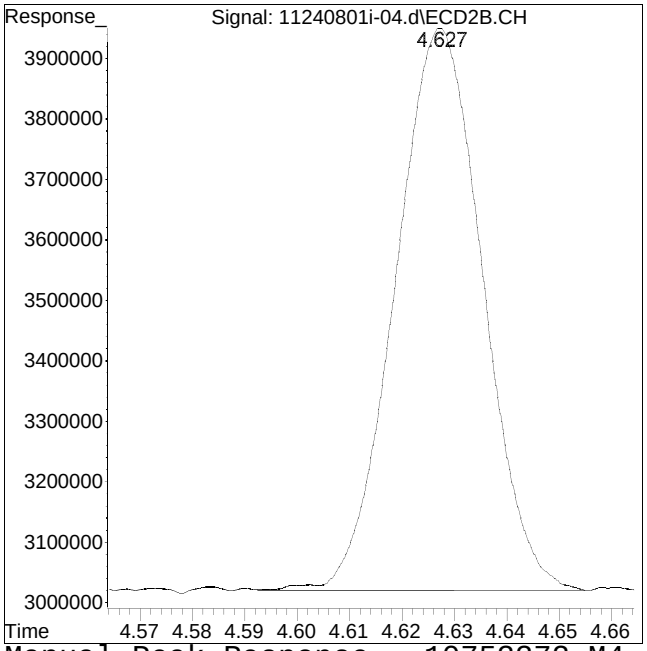
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #55: Dieldrin #2





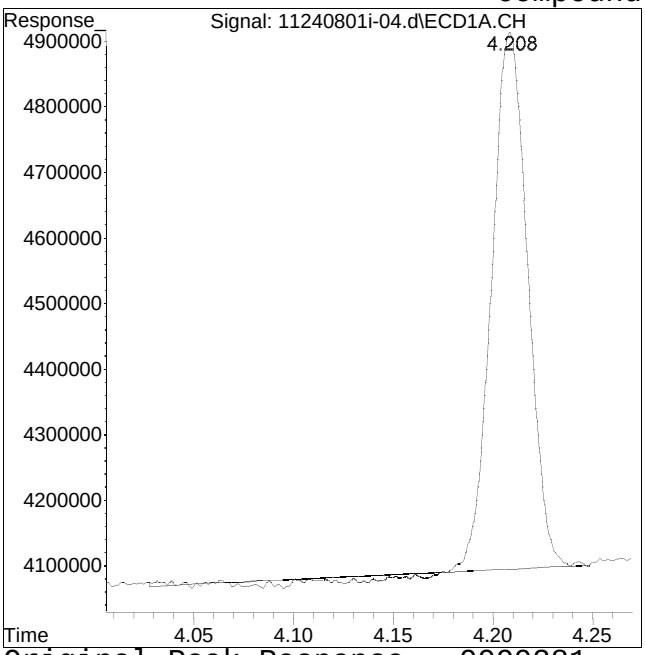
Original Peak Response = 10764888 Manual Peak Response = 10753372 M4
M4 = Poor automated baseline construction.

Manual Integration Report

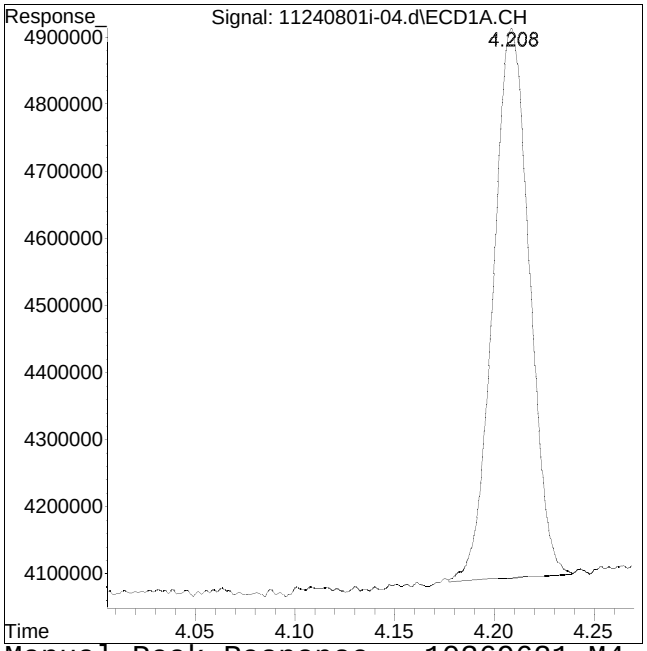
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #18: Endrin



Original Peak Response = 9999281



Manual Peak Response = 10369621 M4

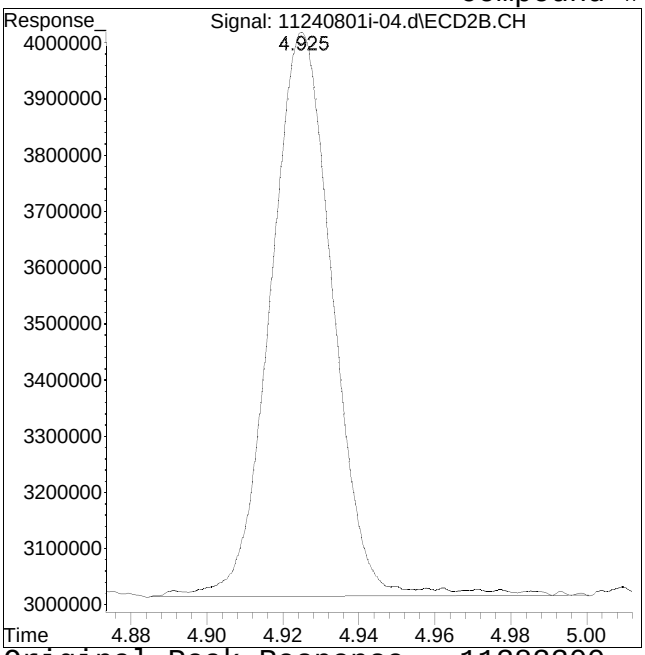
M4 = Poor automated baseline construction.

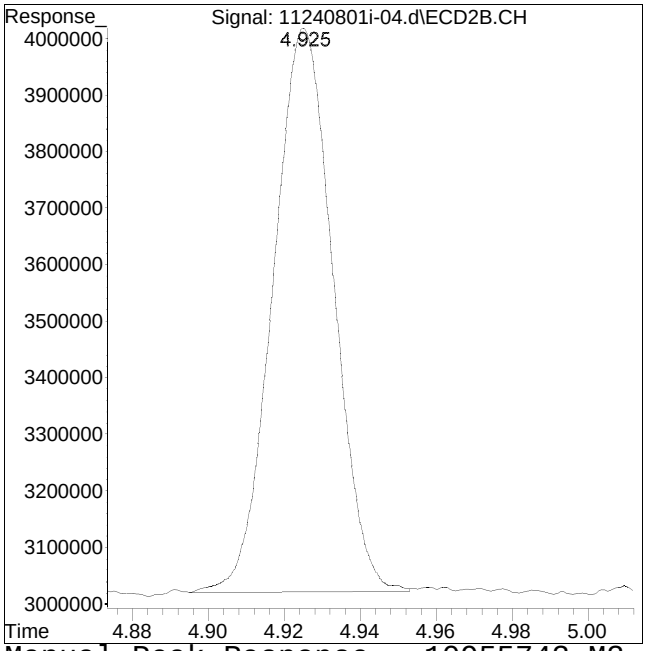
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #56: Endrin #2





Original Peak Response = 11383300 Manual Peak Response = 10955743 M3

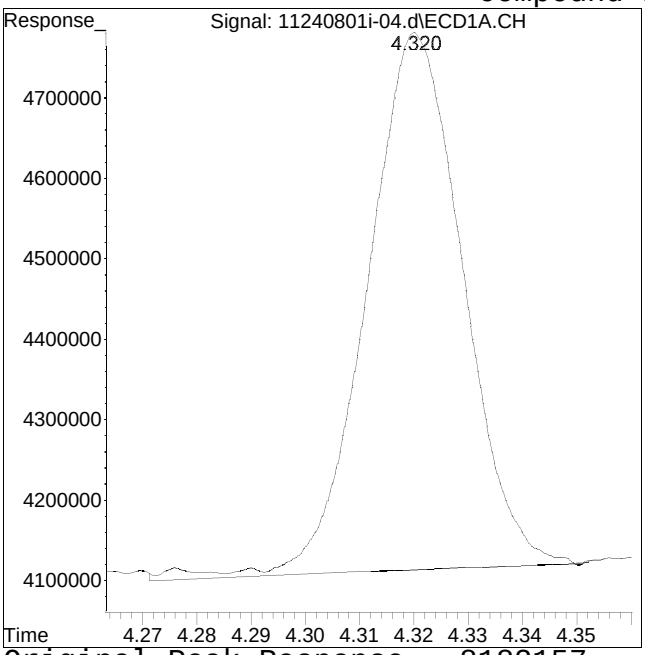
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

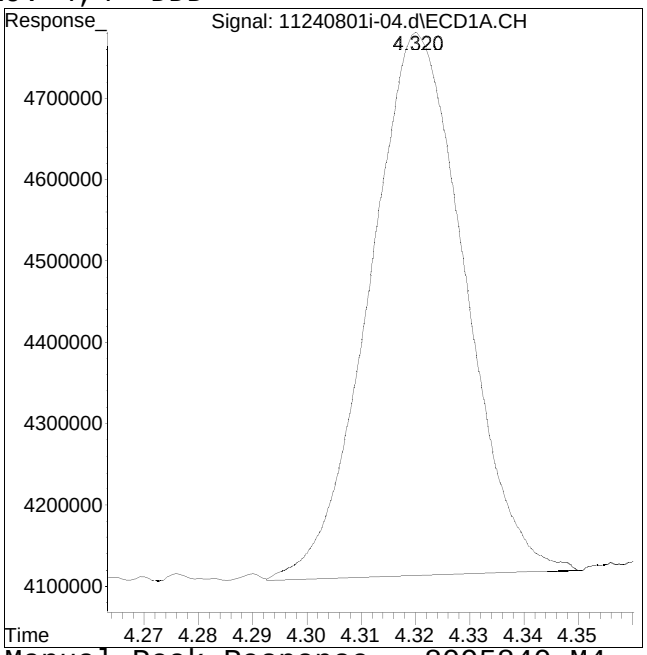
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #19: 4,4'-DDD



Original Peak Response = 8182157



Manual Peak Response = 8095840 M4

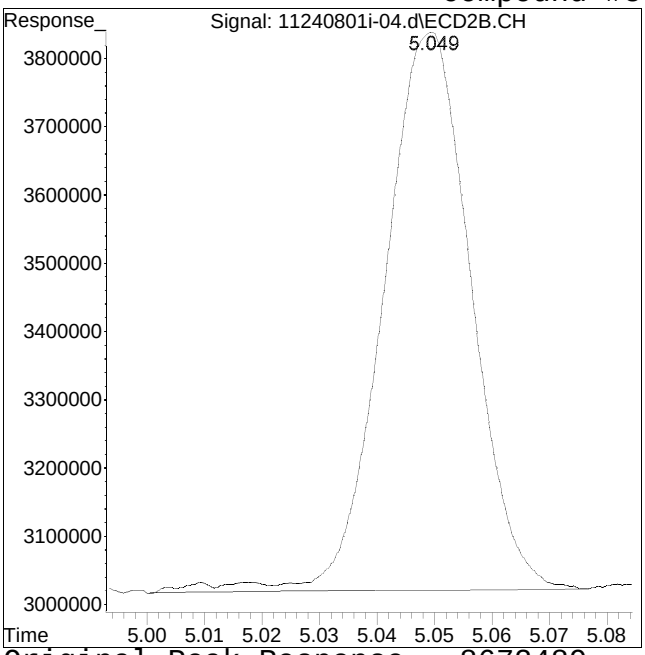
M4 = Poor automated baseline construction.

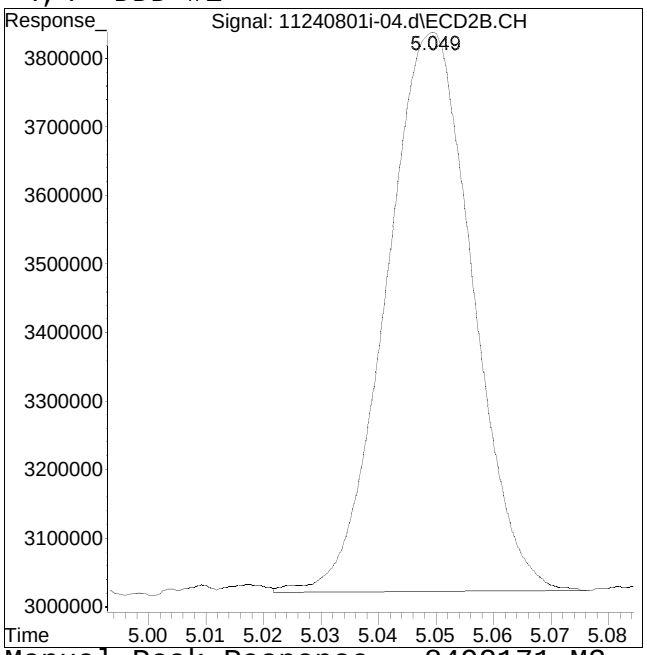
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #57: 4,4'-DDD #2





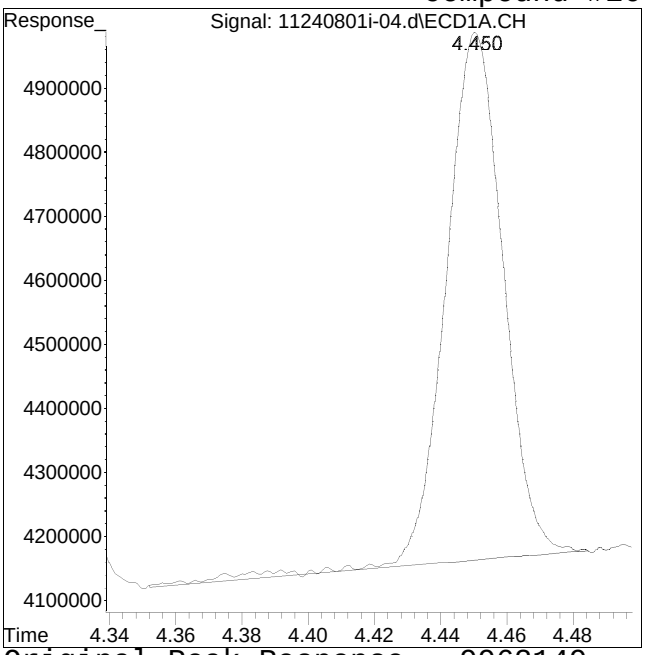
Original Peak Response = 8672489 Manual Peak Response = 8492171 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

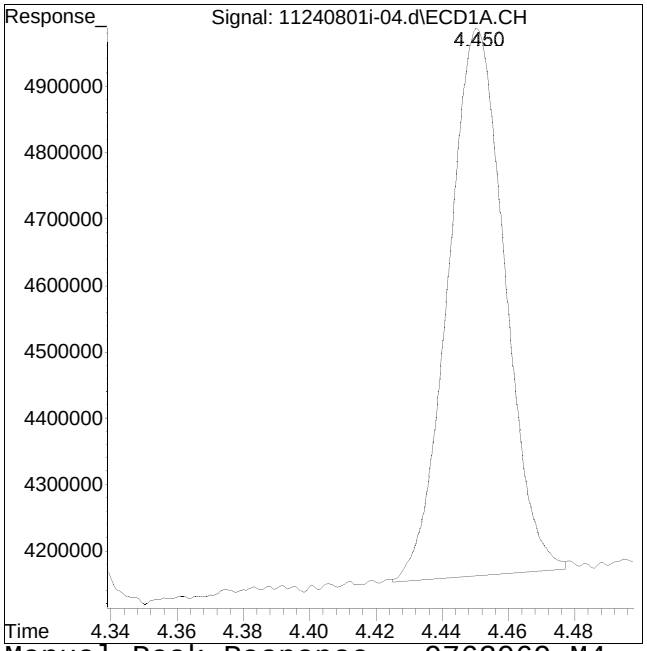
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #20: Endosulfan II



Original Peak Response = 9962149



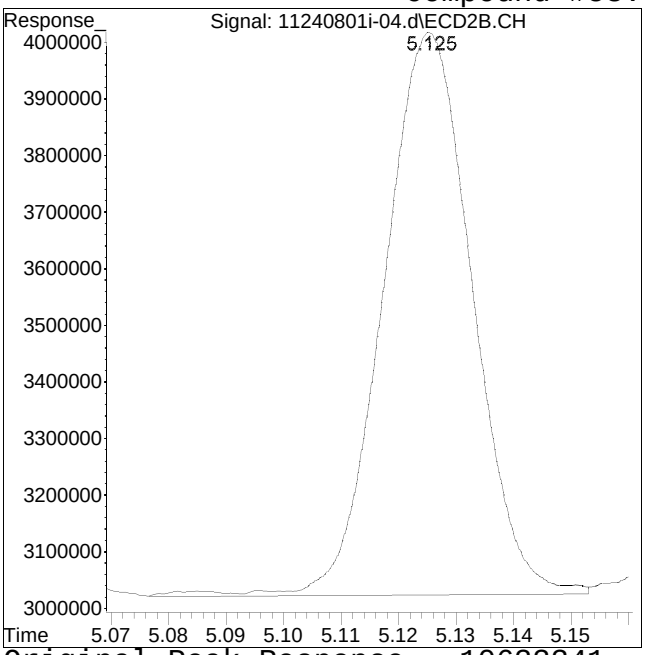
Manual Peak Response = 9763069 M4

M4 = Poor automated baseline construction.

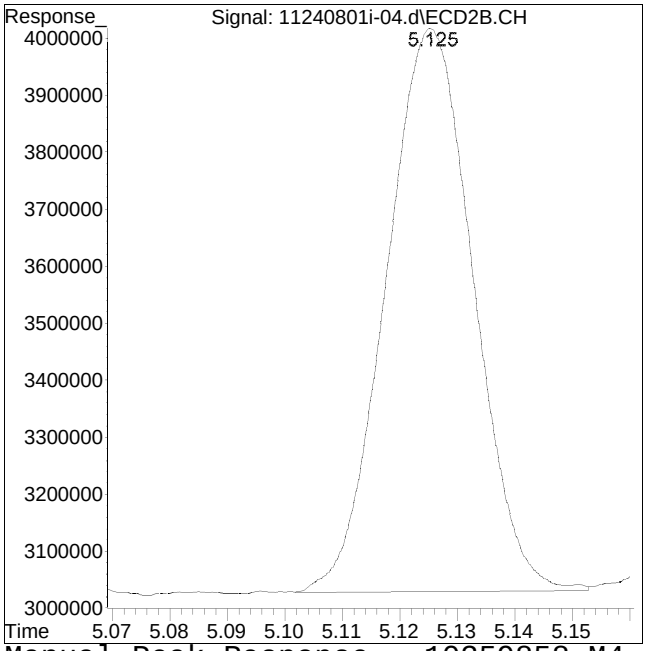
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #58: Endosulfan II #2



Original Peak Response = 10633341



Manual Peak Response = 10359858 M4

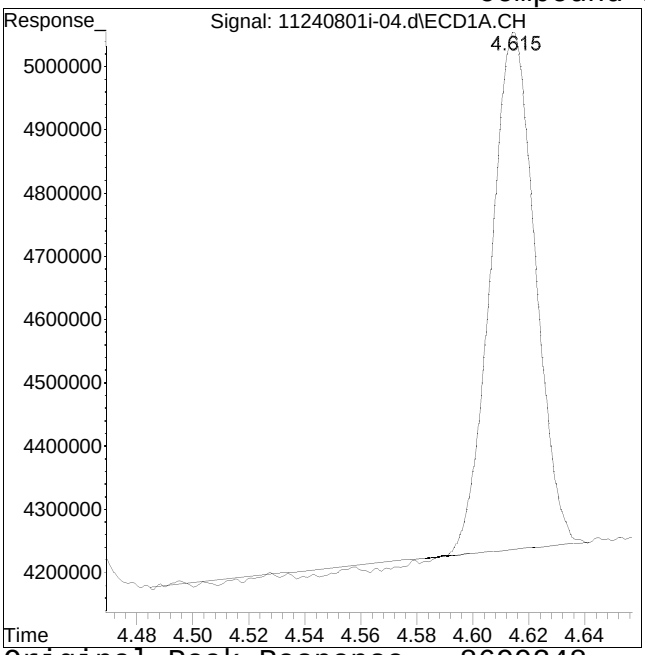
M4 = Poor automated baseline construction.

Manual Integration Report

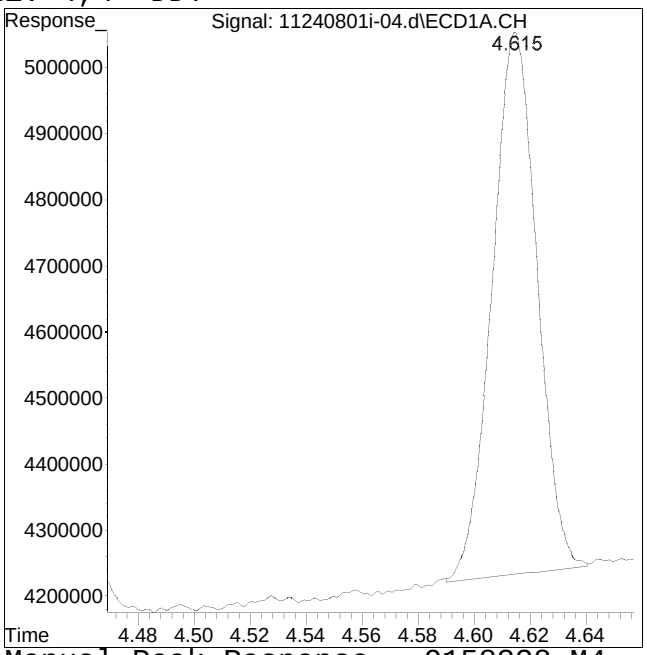
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #21: 4,4'-DDT



Original Peak Response = 8699248



Manual Peak Response = 9158338 M4

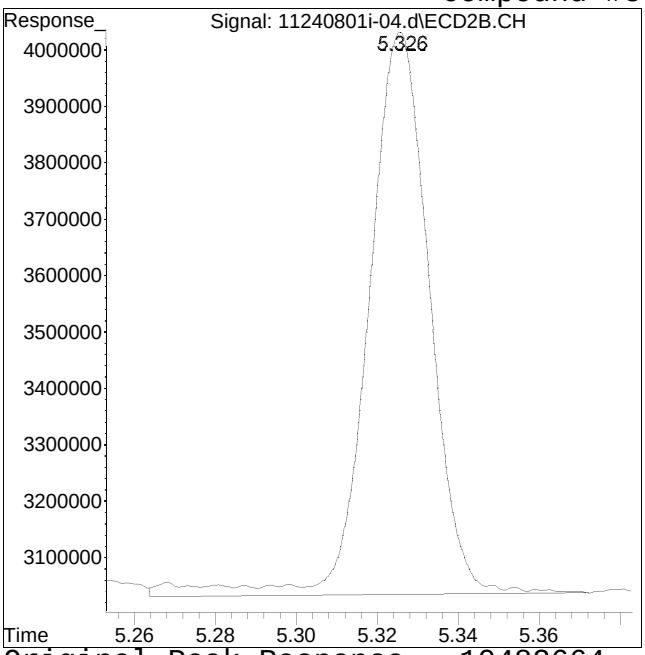
M4 = Poor automated baseline construction.

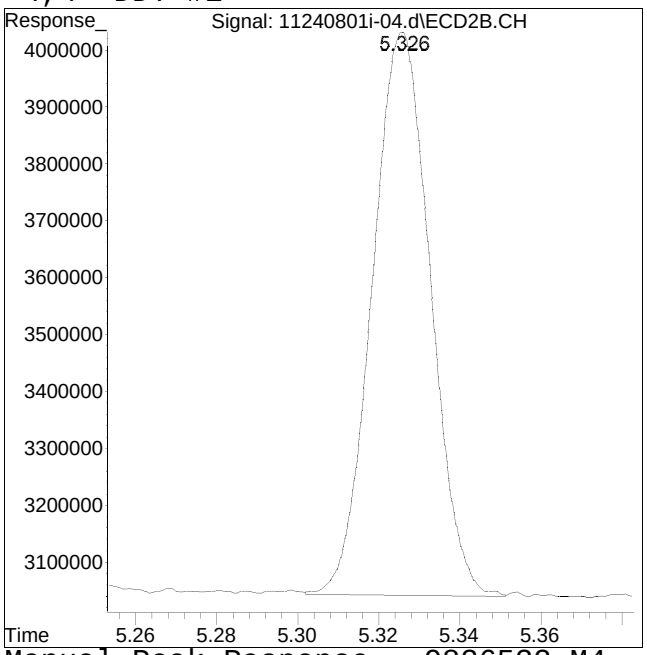
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #59: 4,4'-DDT #2





Original Peak Response = 10482664 Manual Peak Response = 9826532 M4

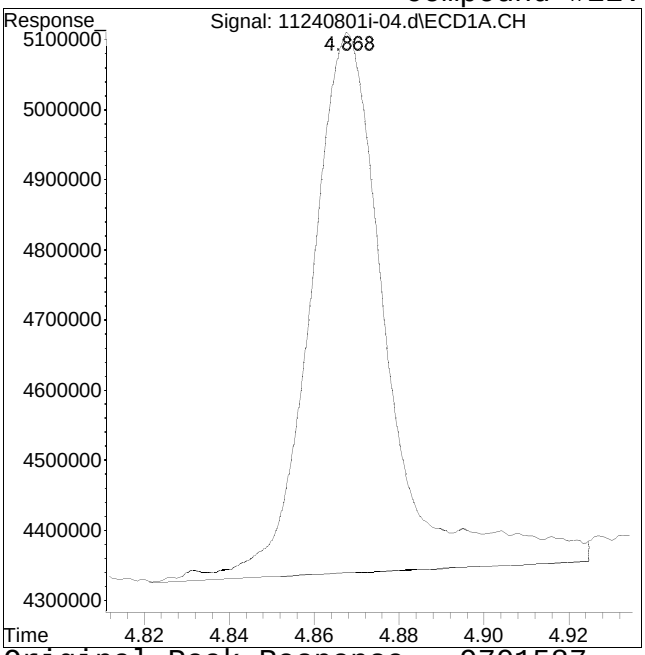
M4 = Poor automated baseline construction.

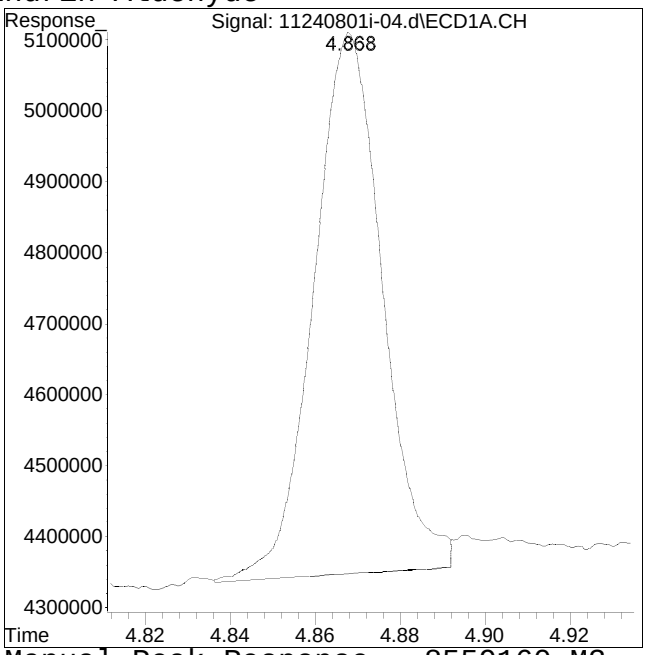
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #22: Endrin Aldehyde





Original Peak Response = 9701587 Manual Peak Response = 8559160 M3

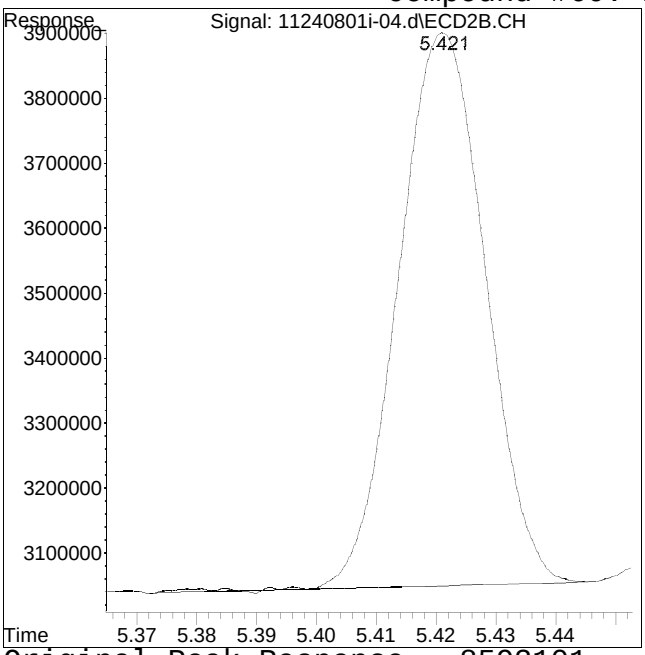
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

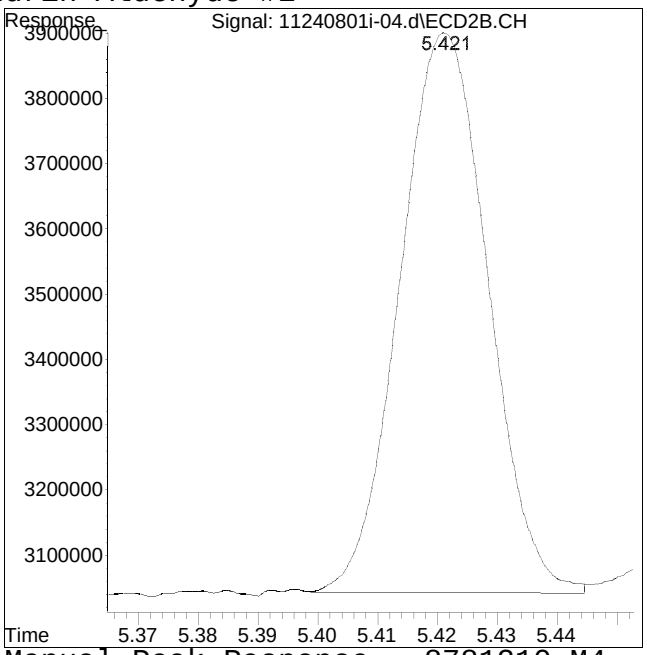
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 8593101



Manual Peak Response = 8781210 M4

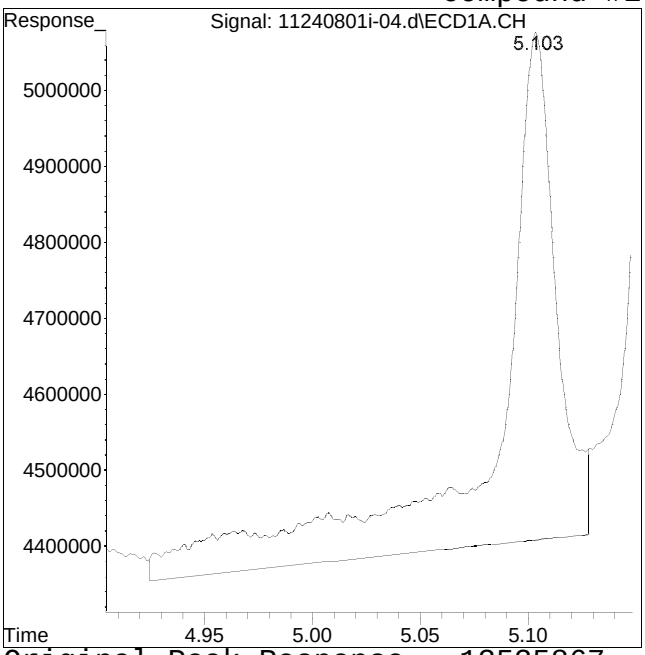
M4 = Poor automated baseline construction.

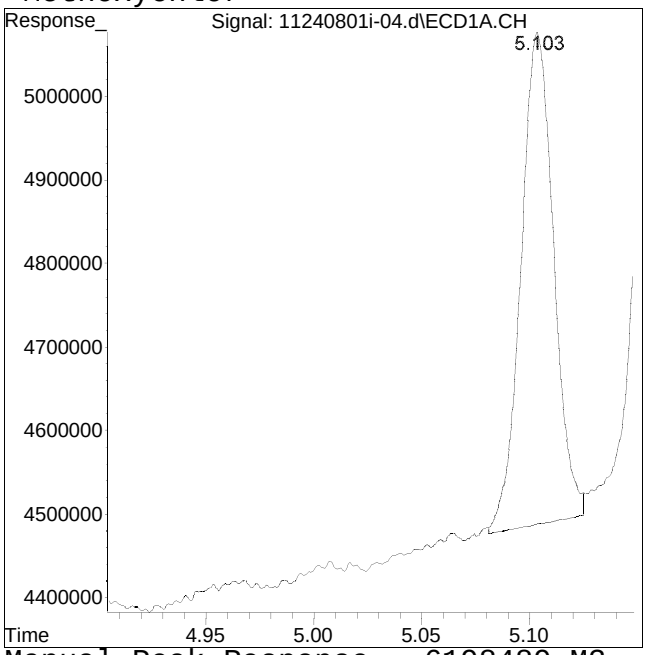
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #23: Methoxychlor





Original Peak Response = 13535867 Manual Peak Response = 6198489 M3

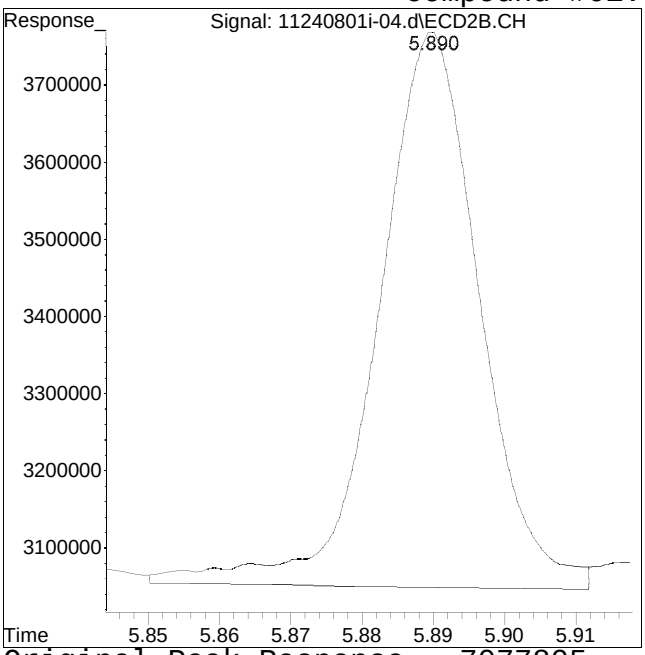
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

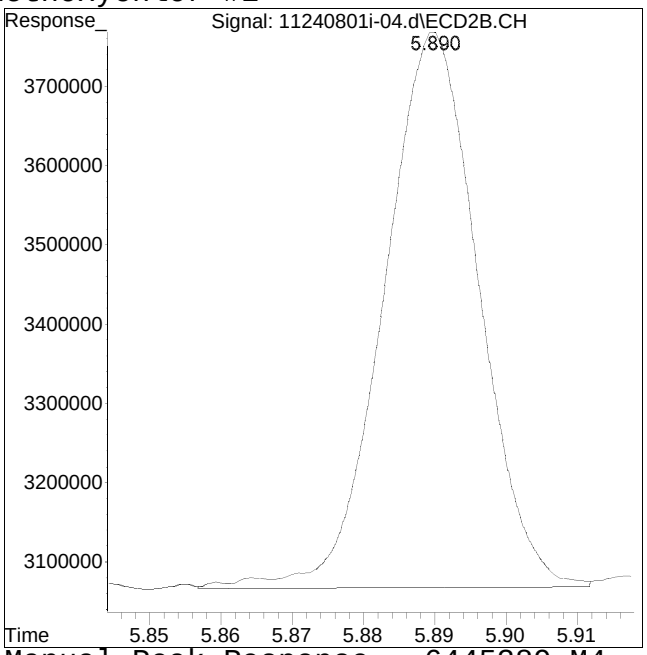
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #61: Methoxychlor #2



Original Peak Response = 7077805



Manual Peak Response = 6445389 M4

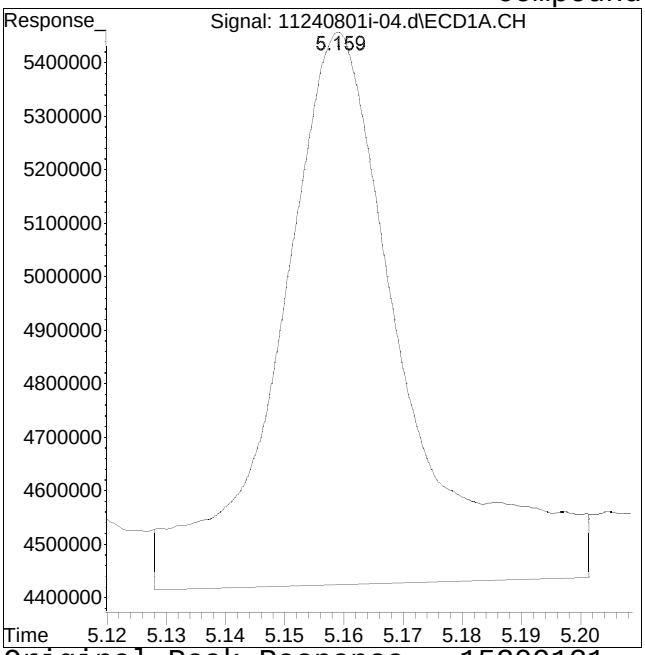
M4 = Poor automated baseline construction.

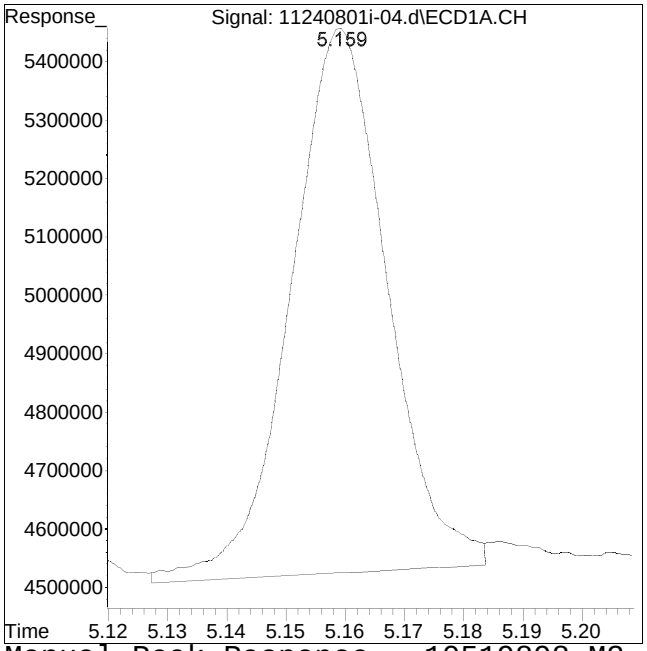
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #24: Mirex





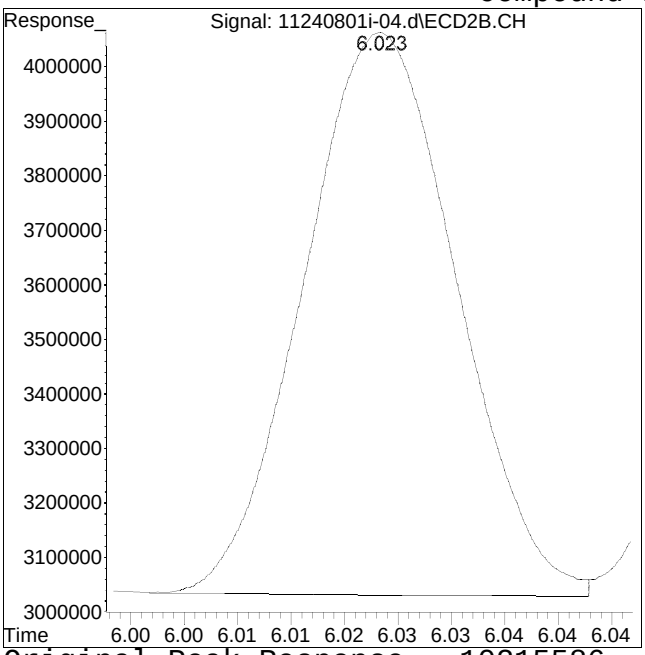
Original Peak Response = 15209131 Manual Peak Response = 10519898 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

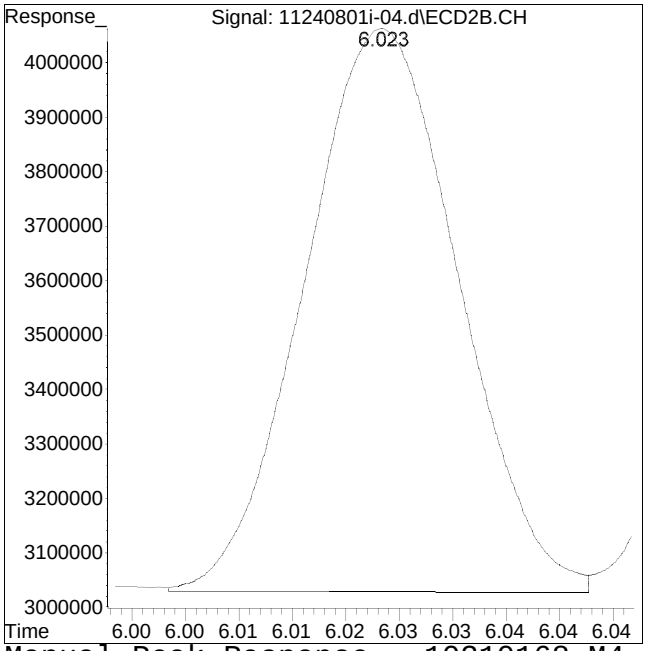
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #62: Mirex #2



Original Peak Response = 10215586



Manual Peak Response = 10310168 M4

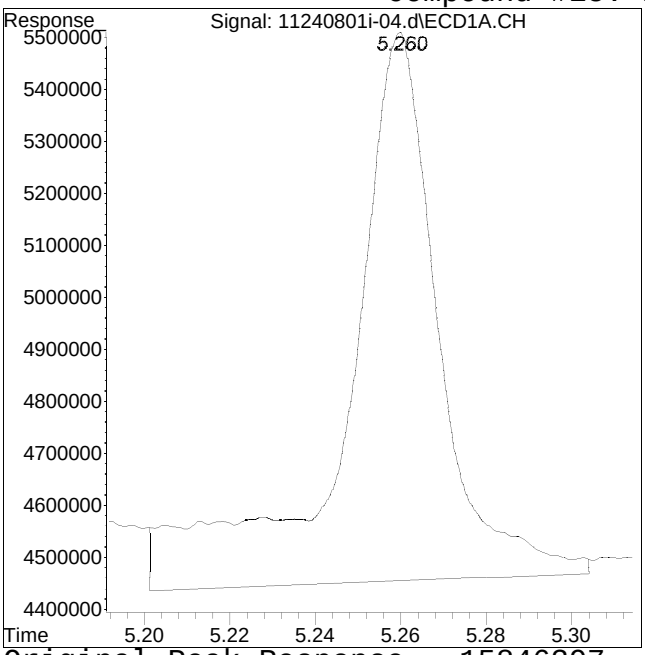
M4 = Poor automated baseline construction.

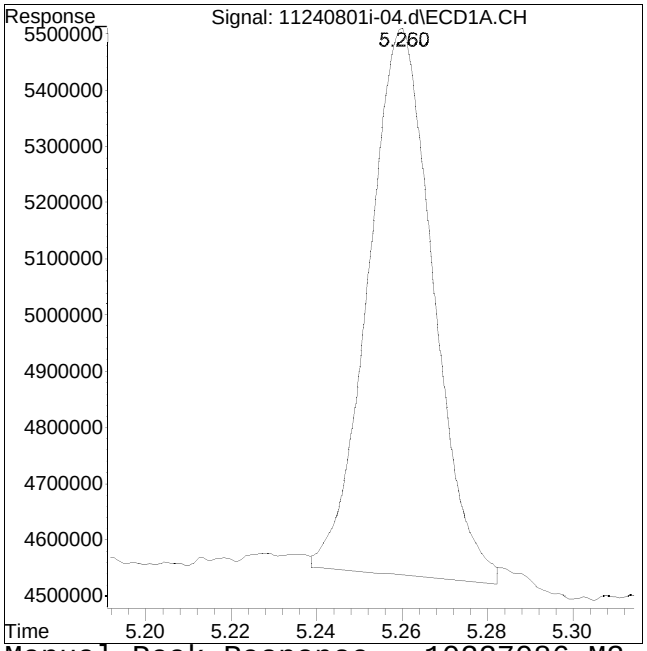
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #25: Endosulfan Sulfate





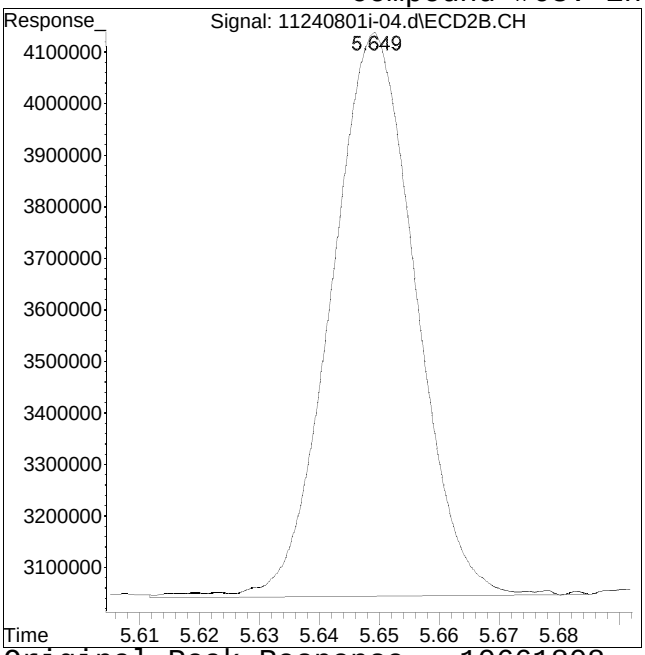
Original Peak Response = 15846397 Manual Peak Response = 10237086 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

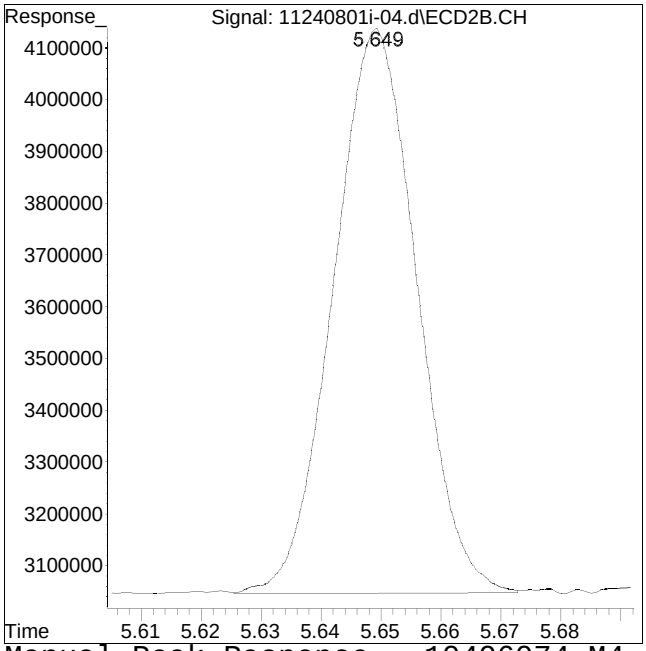
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 10661808



Manual Peak Response = 10496074 M4

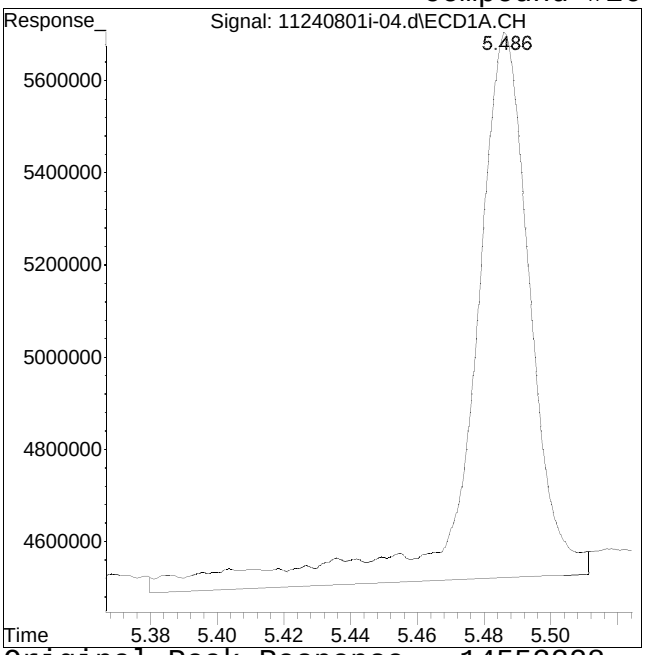
M4 = Poor automated baseline construction.

Manual Integration Report

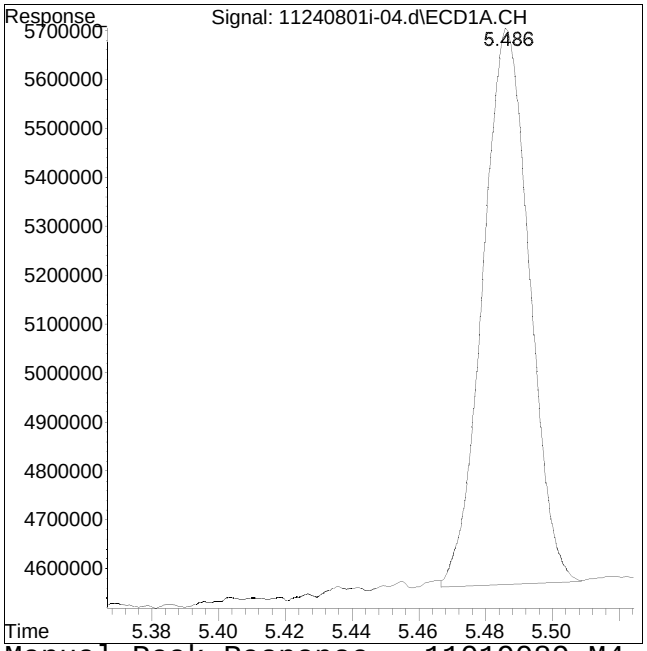
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #26: Endrin Ketone



Original Peak Response = 14553228



Manual Peak Response = 11019089 M4

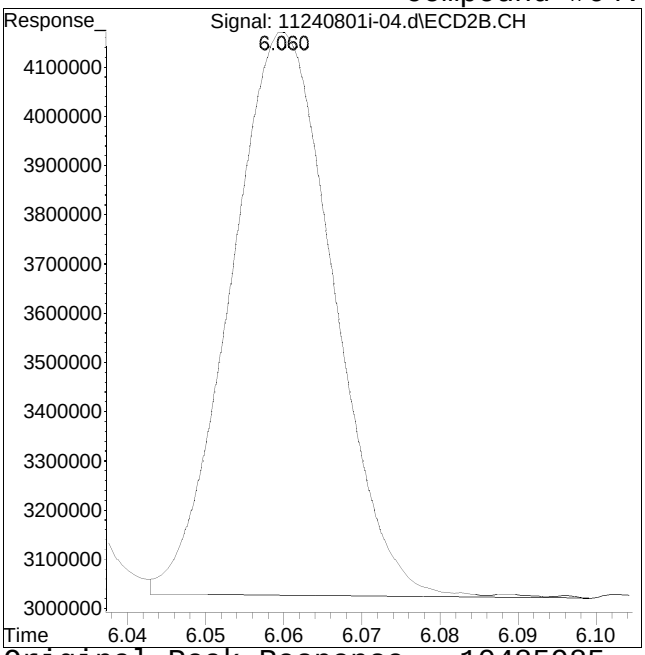
M4 = Poor automated baseline construction.

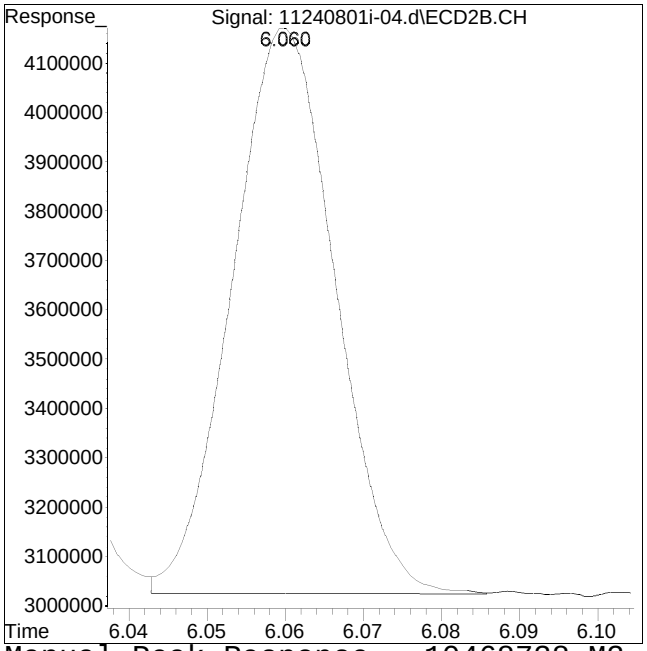
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #64: Endrin Ketone #2





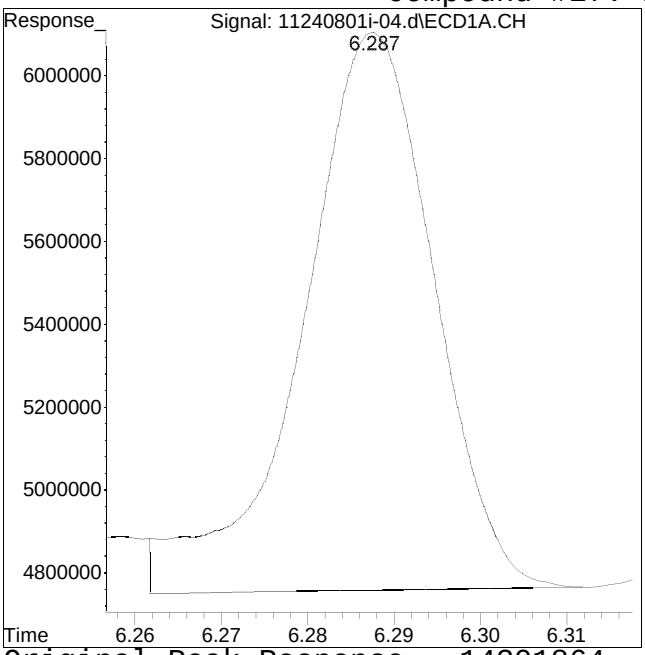
Original Peak Response = 10485985 Manual Peak Response = 10468738 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

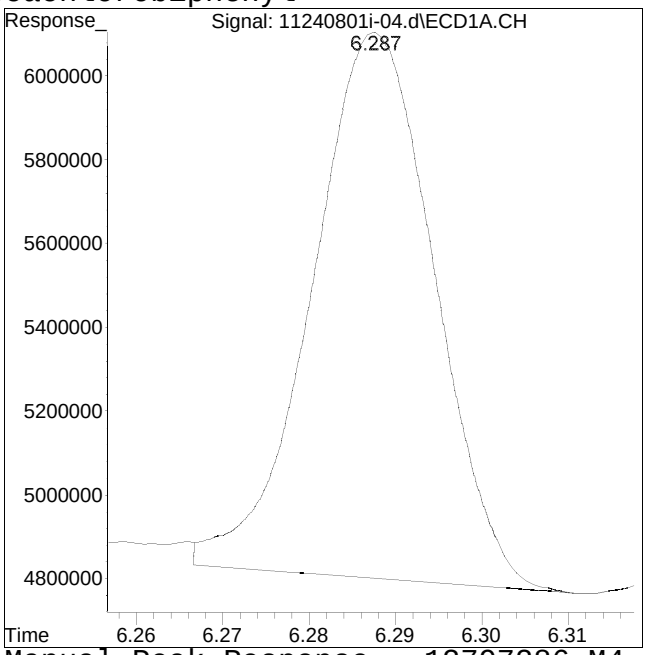
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 14301864



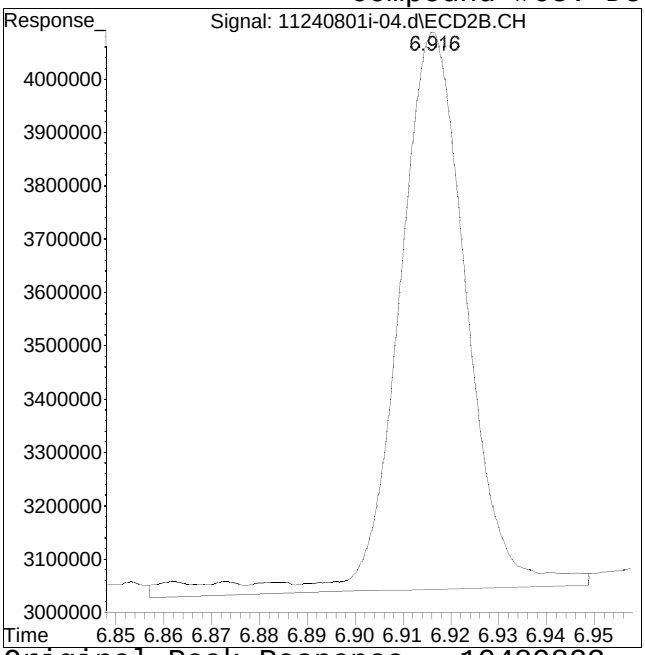
Manual Peak Response = 12797286 M4

M4 = Poor automated baseline construction.

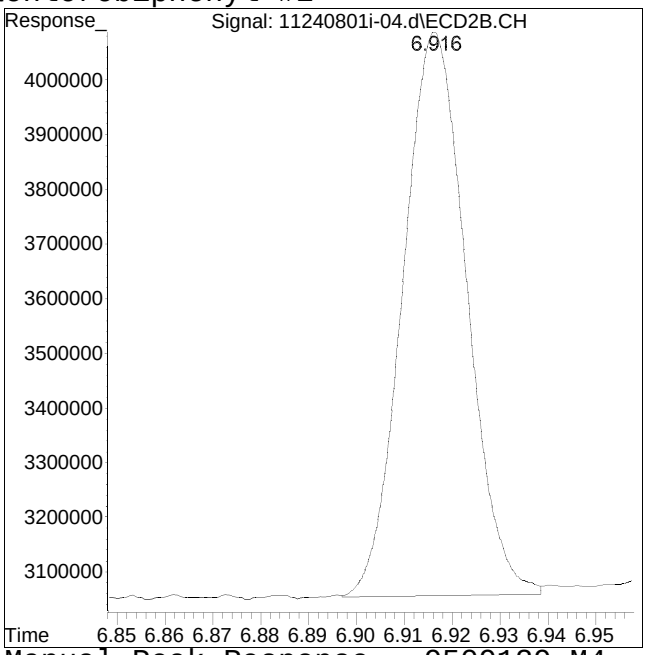
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 10489823



Manual Peak Response = 9509129 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:01
Operator : PEST11:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:14:19 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:14:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.385	233.6E6	183.3E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	19656914	17683979	2.037M4	2.218M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		4.07%#	4.44%#
27) s	Decachlorobi	6.288	6.921	24597164	17880278	2.363M4	2.415M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		4.73%#	4.83%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.177	28232919	20378901	2.202M4	2.341M4
4) t	alpha-BHC	1.963	2.270	24776337	22916880	1.763M3	1.910M4
5) t	gamma-BHC (l	2.165	2.556	24518590	22225331	1.860M4	2.012M4
6) t	beta-BHC	2.221	2.622	12371613	12076597	2.144M4	2.433M4
7) t	delta-BHC	2.349	2.889	23489321	22105919	1.784M4	1.978
8) t	Heptachlor	2.513	2.951	24704645	25240850	2.000M3	2.217M4
9) t	Aldrin	2.755	3.270	22221712	21532475	1.906M3	2.069M4
10) t	Alachlor	2.876	3.153	4616058	4291521	2.172M4	2.624M4
11) t	Chlorpyrifos	2.968	3.506	12587779	16060949	2.339M4	2.633M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:01
Operator : PEST11:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:14:19 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:14:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.883	22577234	23119137	2.042M3	2.290M4
13)	t	gamma-Chlord	3.425	4.104	20000923	21362303	1.986M3	2.301M3
14)	t	alpha-Chlord	3.559	4.274	22560782	23123524	1.977M4	2.254M4
15)	t	4,4'-DDE	3.656	4.472	21256749	19930567	1.878	2.035M4
16)	t	Endosulfan I	3.695	4.335	20979786	21644513	2.011	2.297M4
17)	t	Dieldrin	3.954	4.627	20608823	20372093	1.919M4	2.128M4
18)	t	Endrin	4.209	4.926	21154040	20698754	1.945M4	2.132
19)	t	4,4'-DDD	4.321	5.049	16433727	16195802	1.862M4	2.053M4
20)	t	Endosulfan I	4.451	5.125	19856372	19658239	2.017M4	2.284M4
21)	t	4,4'-DDT	4.615	5.325	19330578	18980554	1.925M4	2.092M3
22)	t	Endrin Aldeh	4.868	5.421	16609803	16584125	2.012M4	2.309M4
23)	t	Methoxychlor	5.104	5.890	11871688	11964320	2.204M4	2.443M3
24)	t	Mirex	5.159	6.024	19186744	19029253	2.220M4	2.566M4
25)	t	Endosulfan S	5.259	5.649	19345504	19598268	2.080M3	2.317M4
26)	t	Endrin Keton	5.487	6.060	22428996	20121740	2.028M4	2.235M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:01
Operator : PEST11:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:14:19 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:14:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

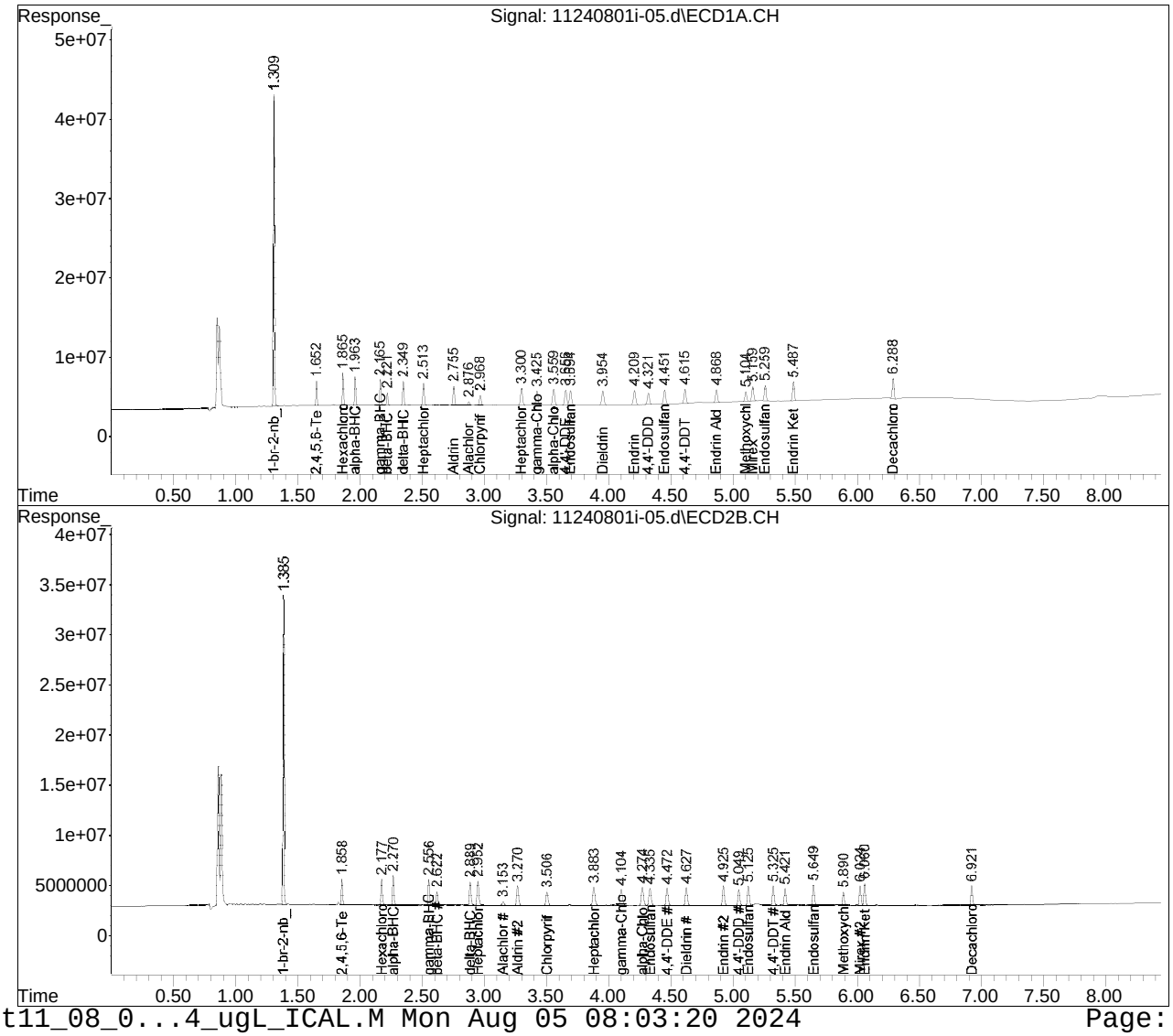
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:01
Operator : PEST11:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:14:19 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:14:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

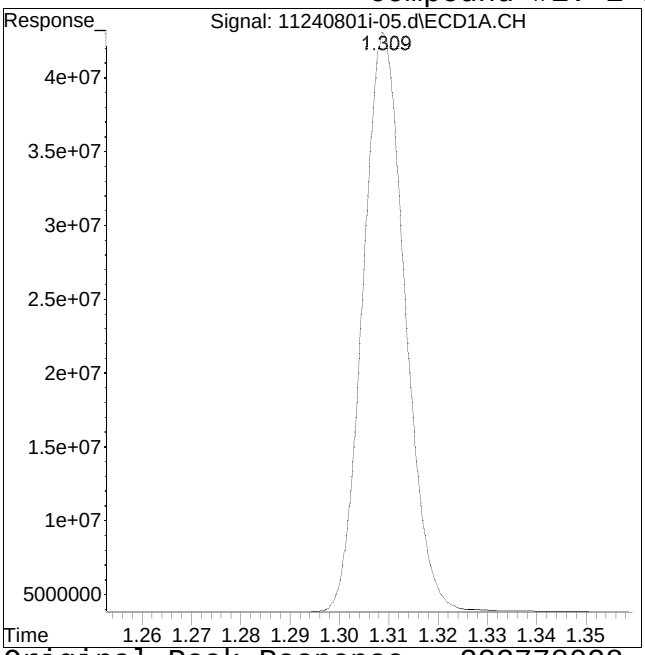


Manual Integration Report

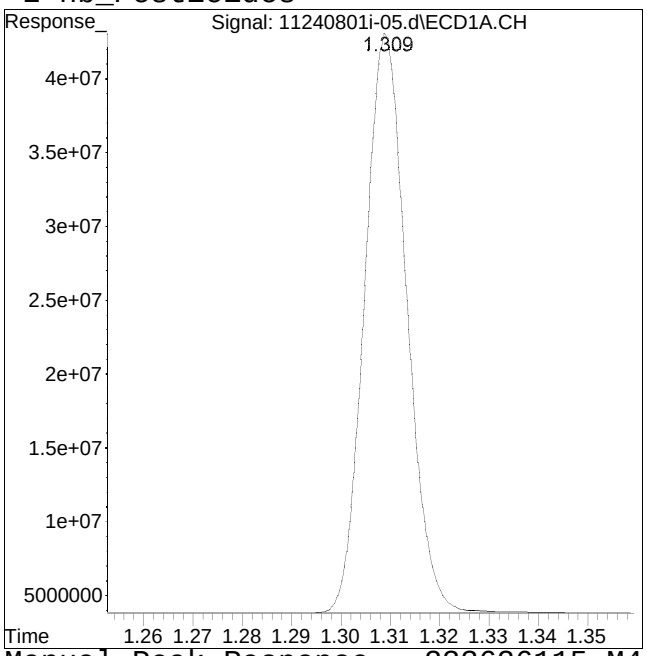
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 233778028



Manual Peak Response = 233626115 M4

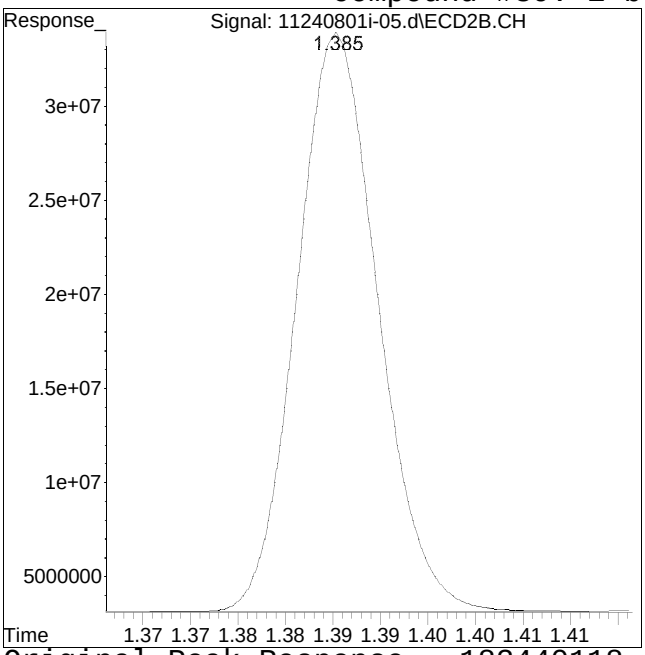
M4 = Poor automated baseline construction.

Manual Integration Report

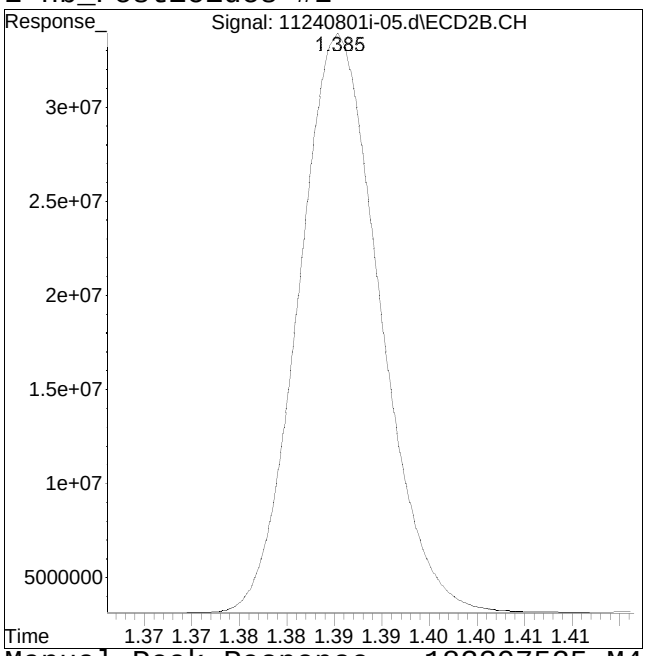
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 183440118



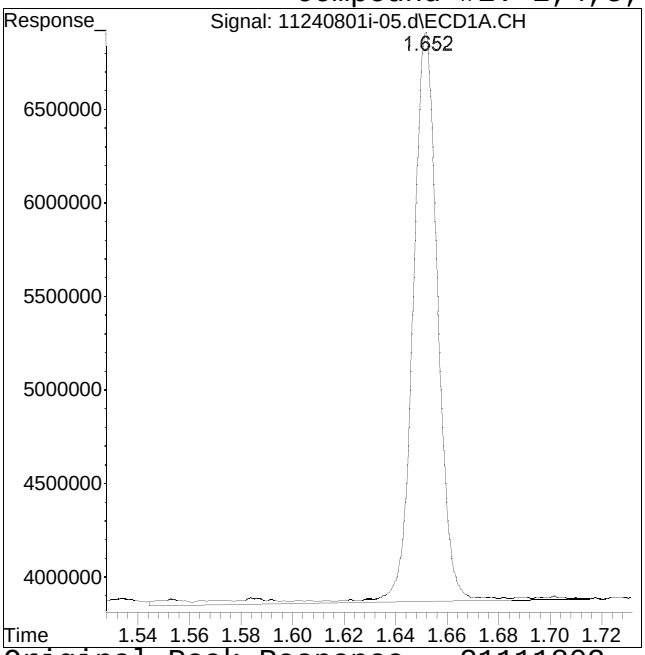
Manual Peak Response = 183307525 M4

M4 = Poor automated baseline construction.

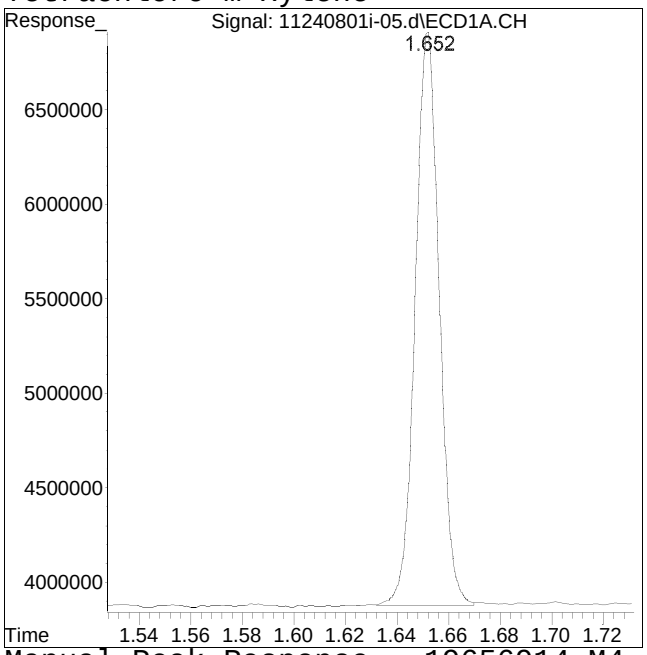
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 21111802



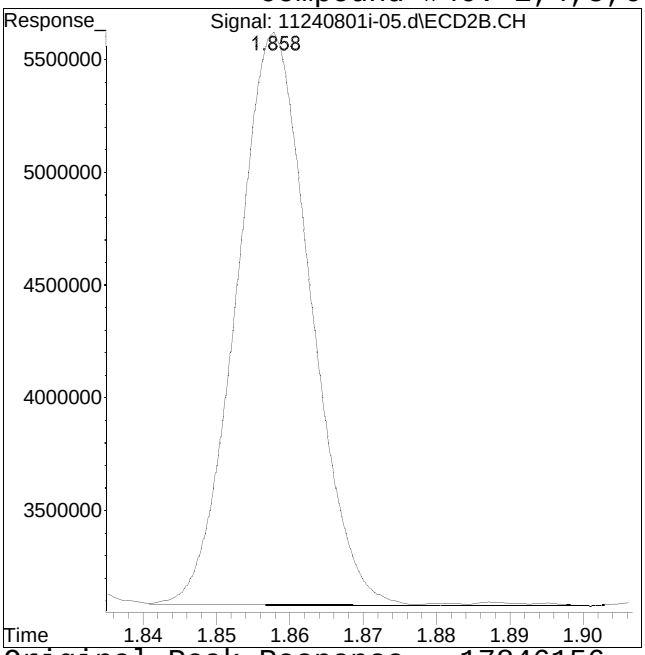
Manual Peak Response = 19656914 M4

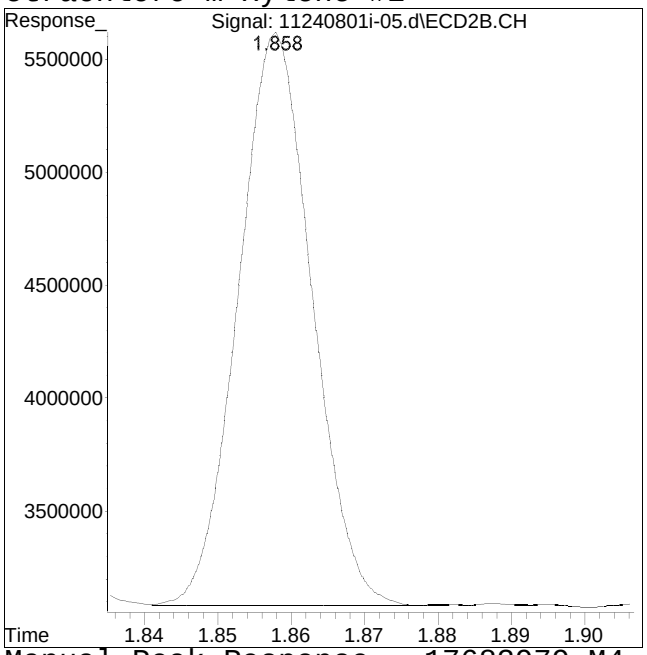
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



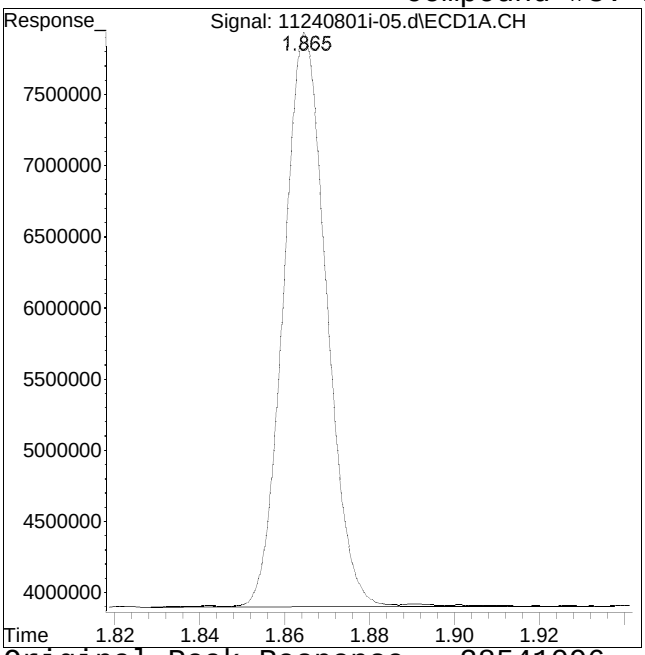


Original Peak Response = 17846156 Manual Peak Response = 17683979 M4
M4 = Poor automated baseline construction.

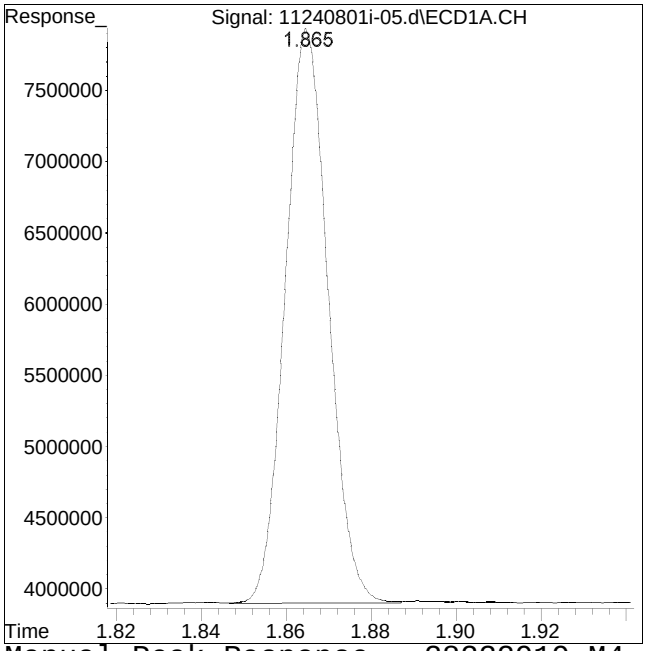
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #3: Hexachlorobenzene



Original Peak Response = 28541096



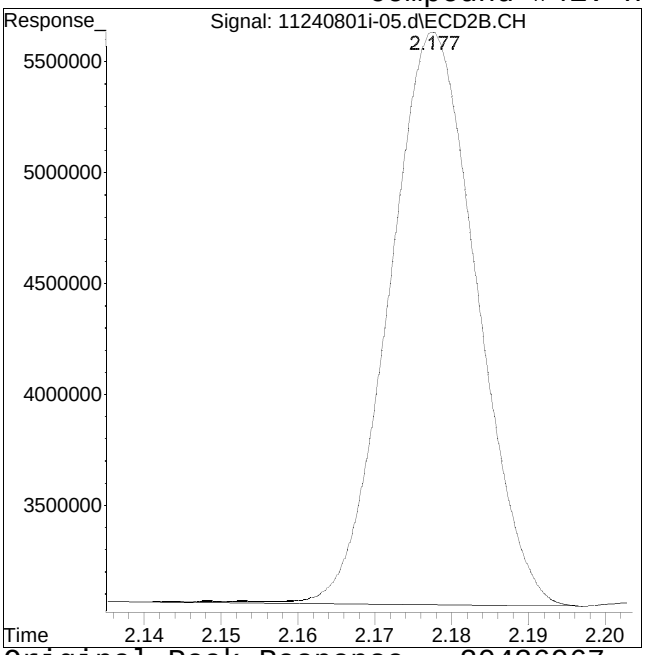
Manual Peak Response = 28232919 M4

M4 = Poor automated baseline construction.

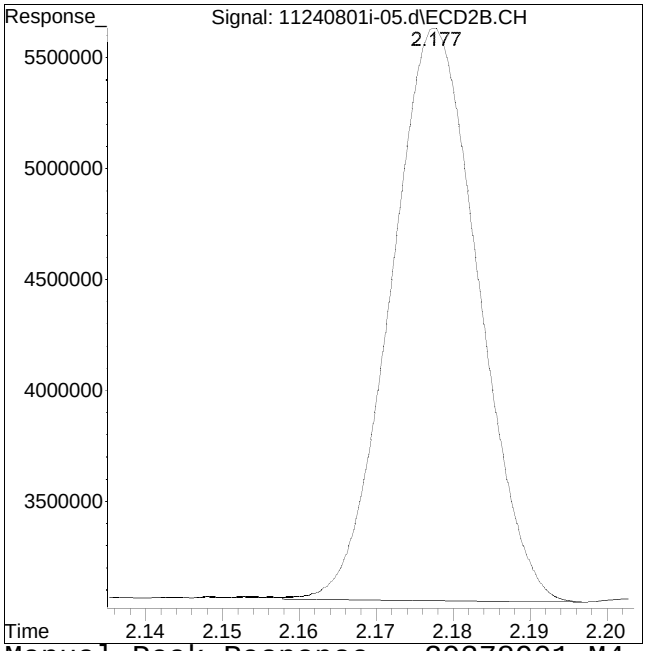
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 20436967



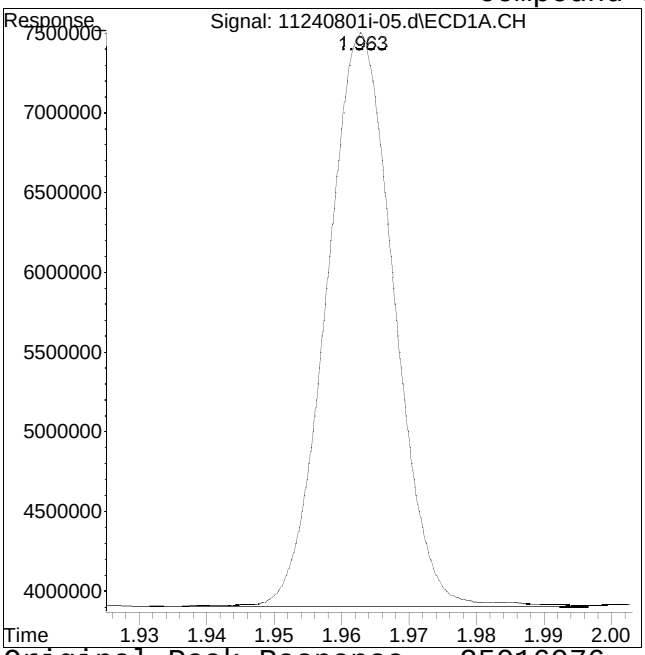
Manual Peak Response = 20378901 M4

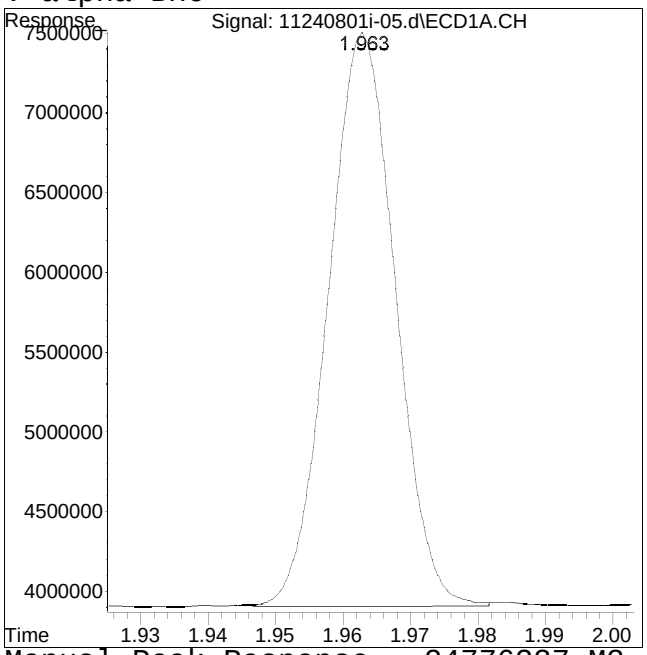
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0 Quant Date : 8/2/2024 11:14 am

Compound #4: alpha-BHC



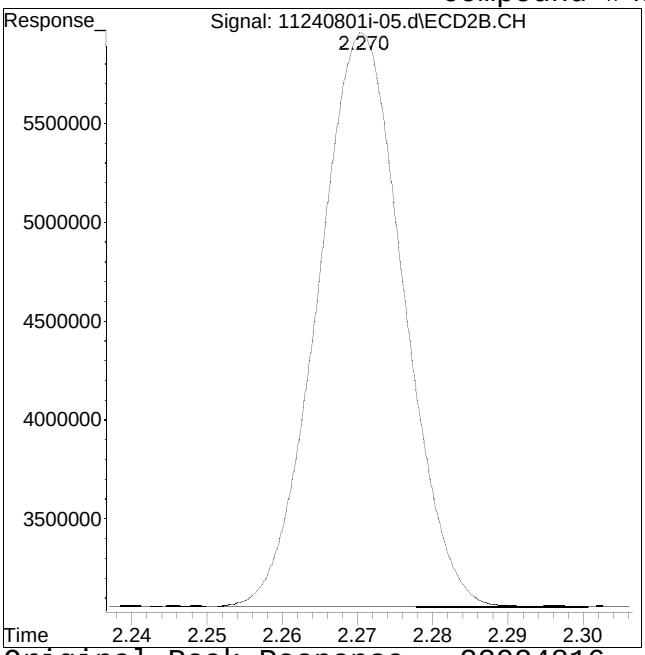


Original Peak Response = 25016976 Manual Peak Response = 24776337 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

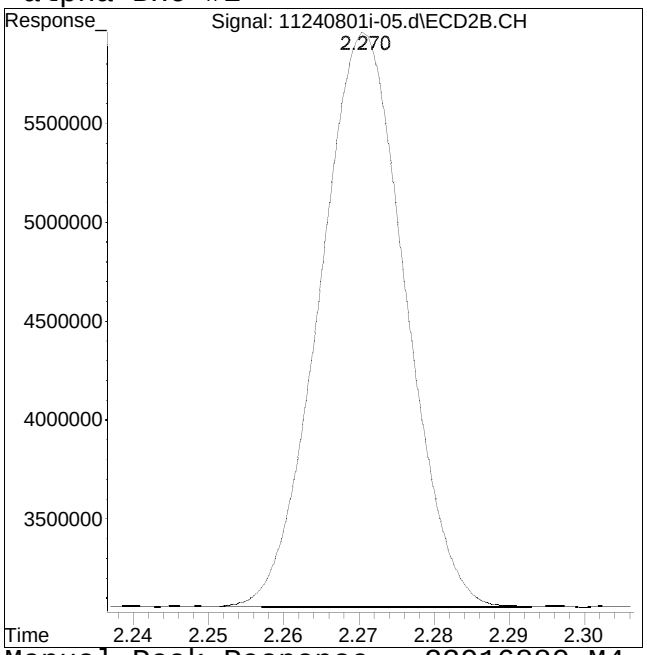
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0 Quant Date : 8/2/2024 11:14 am

Compound #42: alpha-BHC #2



Original Peak Response = 22924816



Manual Peak Response = 22916880 M4

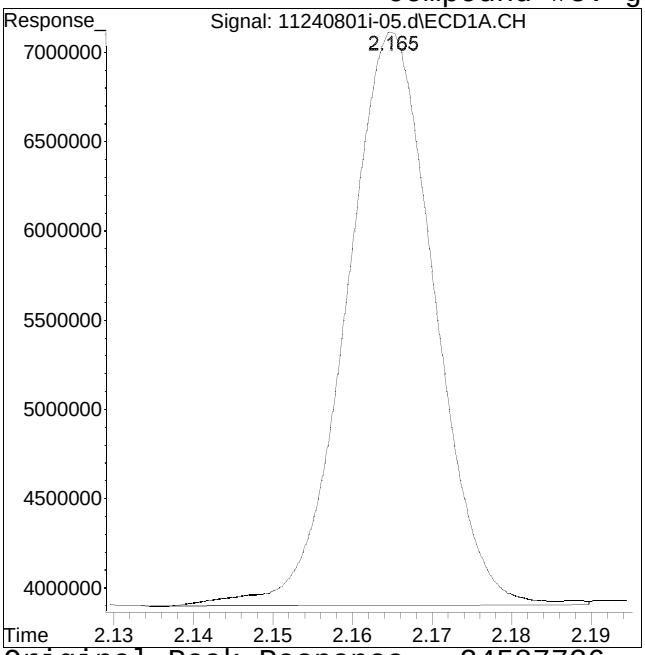
M4 = Poor automated baseline construction.

Manual Integration Report

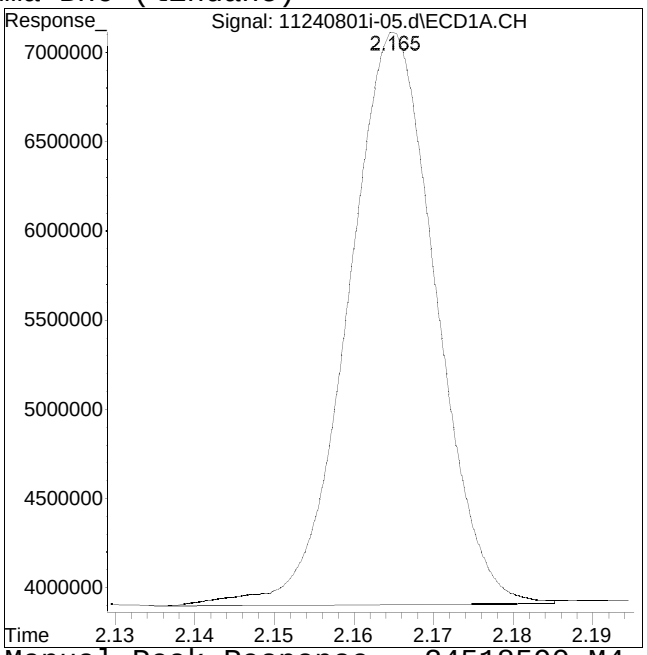
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 24587736



Manual Peak Response = 24518590 M4

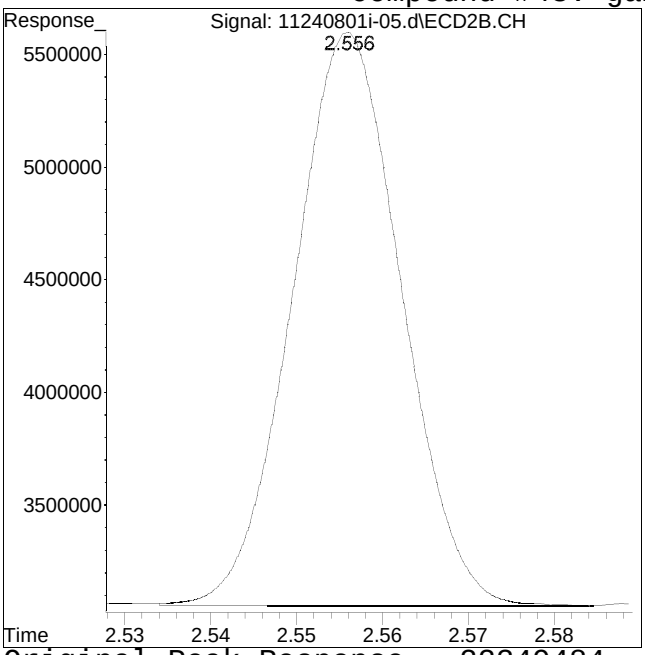
M4 = Poor automated baseline construction.

Manual Integration Report

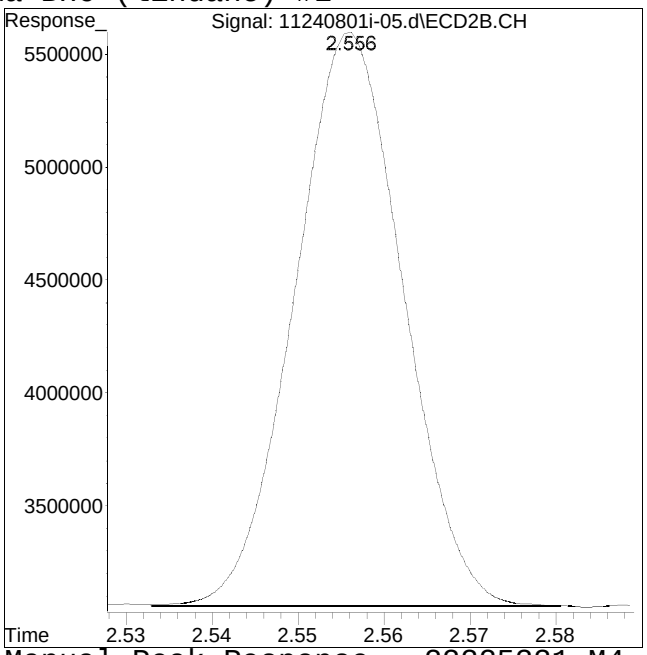
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 22349484



Manual Peak Response = 22225331 M4

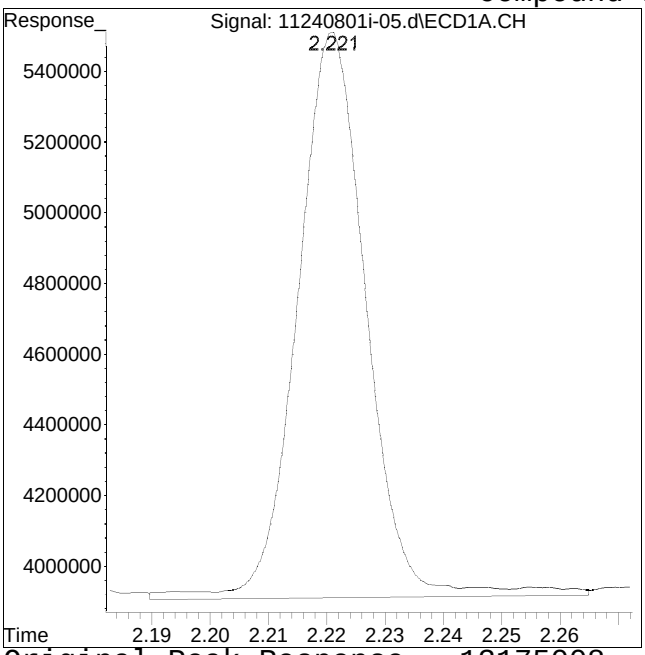
M4 = Poor automated baseline construction.

Manual Integration Report

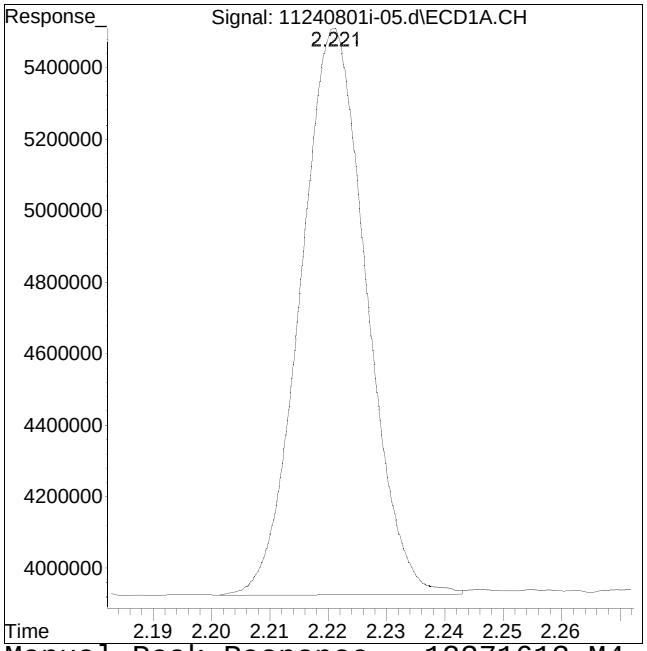
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #6: beta-BHC



Original Peak Response = 13175008



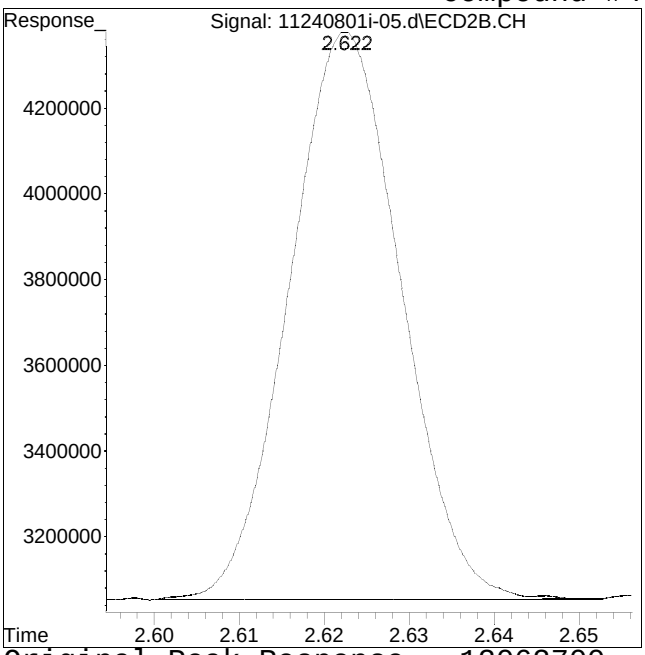
Manual Peak Response = 12371613 M4

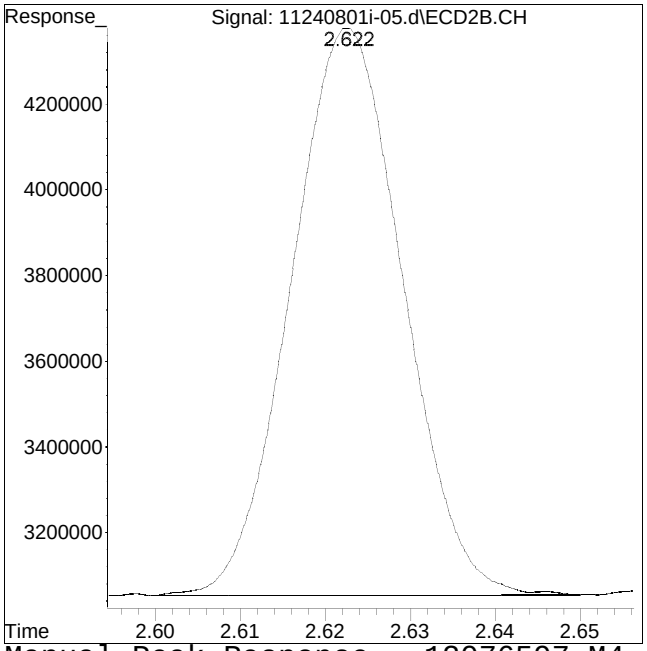
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #44: beta-BHC #2



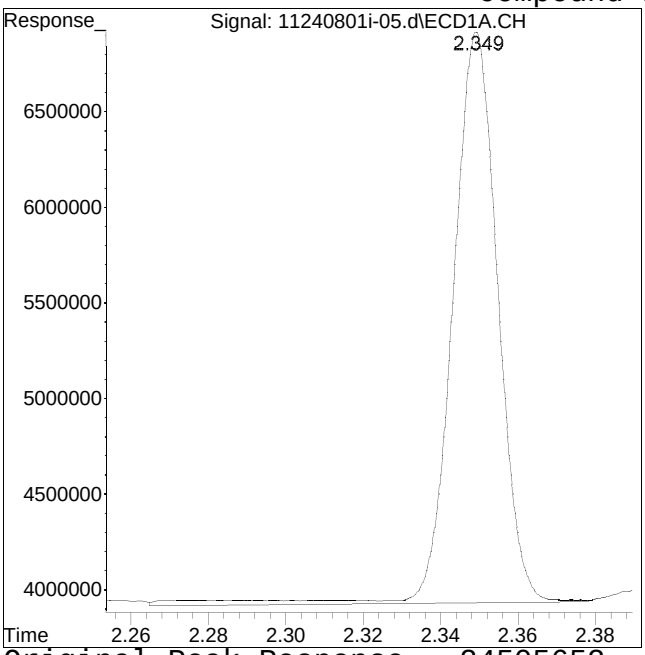


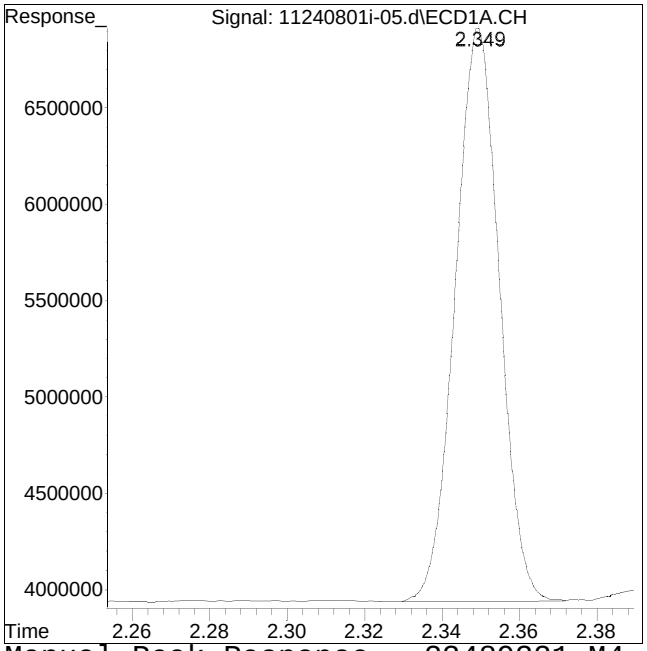
Original Peak Response = 12062700 Manual Peak Response = 12076597 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #7: delta-BHC



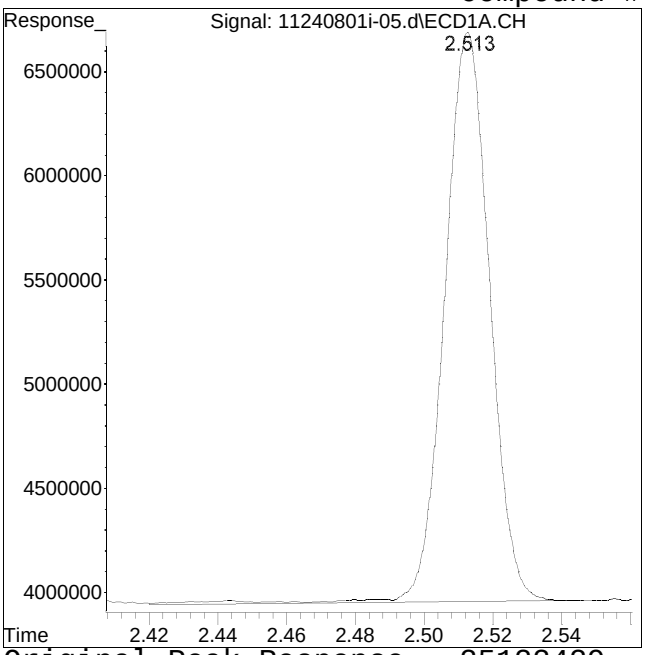


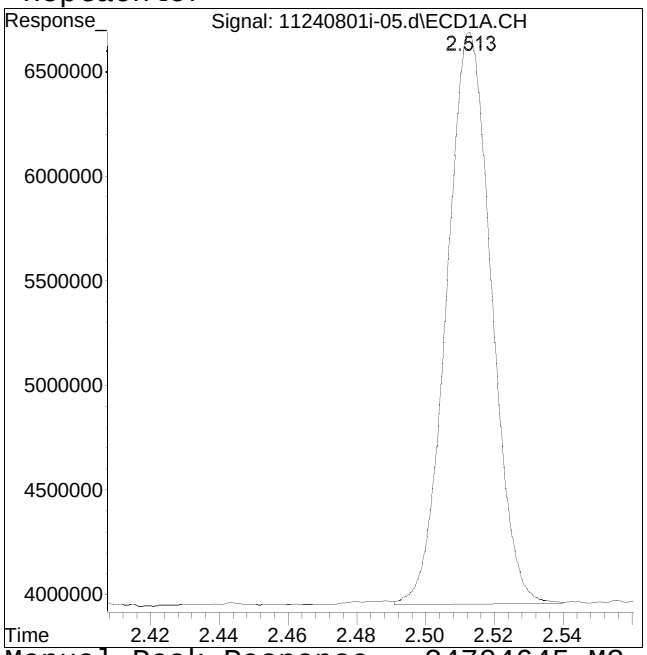
Original Peak Response = 24505652 Manual Peak Response = 23489321 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #8: Heptachlor



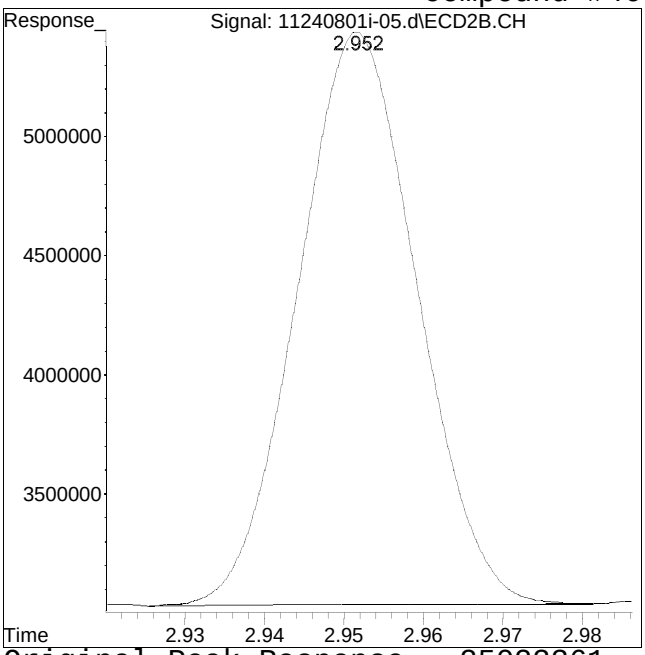


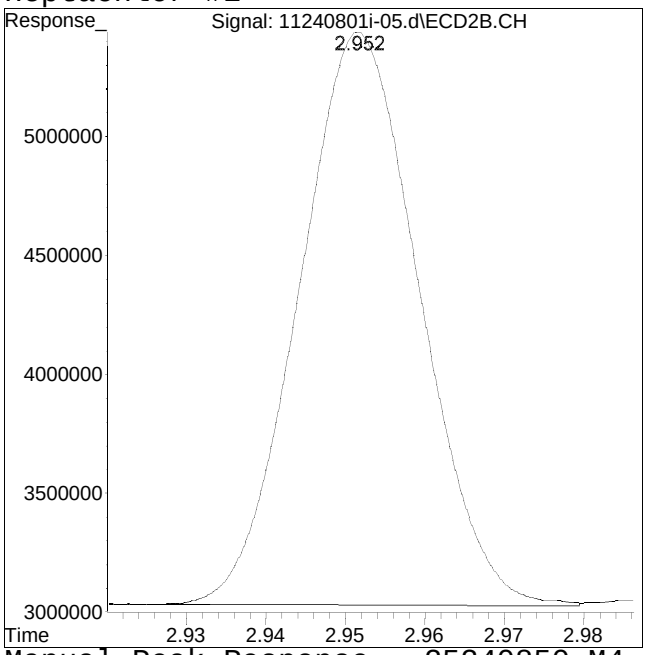
Original Peak Response = 25122429 Manual Peak Response = 24704645 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #46: Heptachlor #2



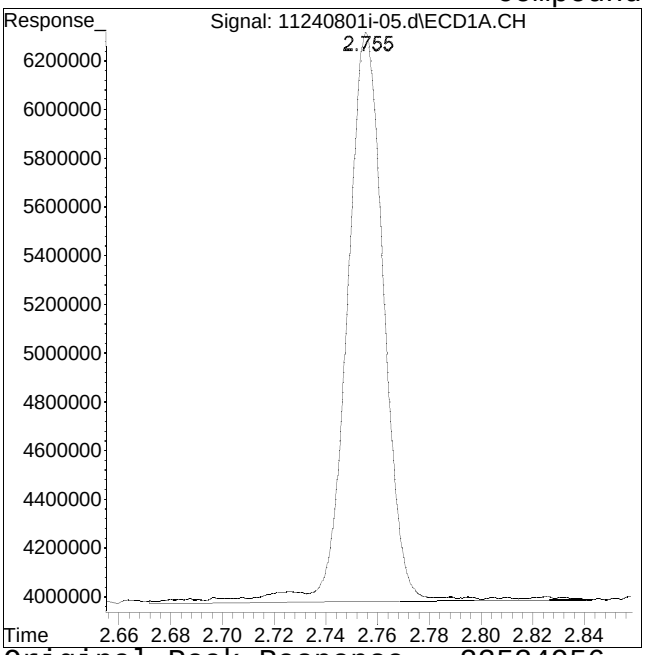


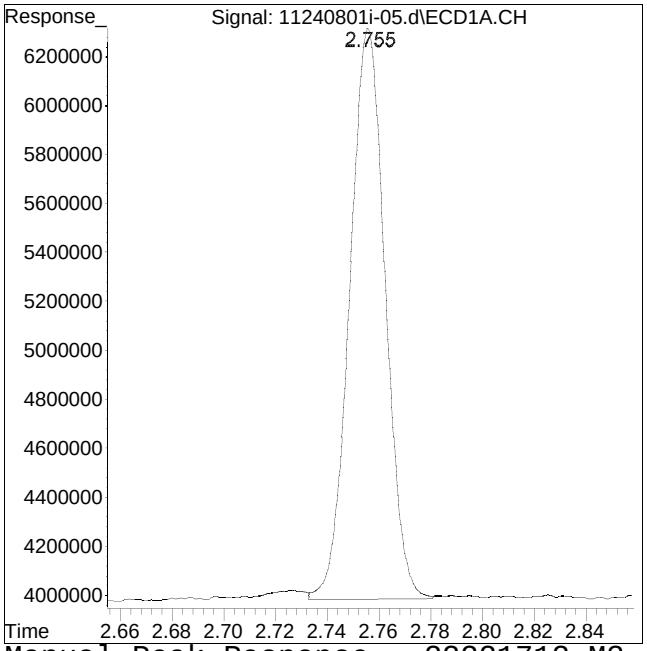
Original Peak Response = 25023361 Manual Peak Response = 25240850 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #9: Aldrin





Original Peak Response = 23534956 Manual Peak Response = 22221712 M3

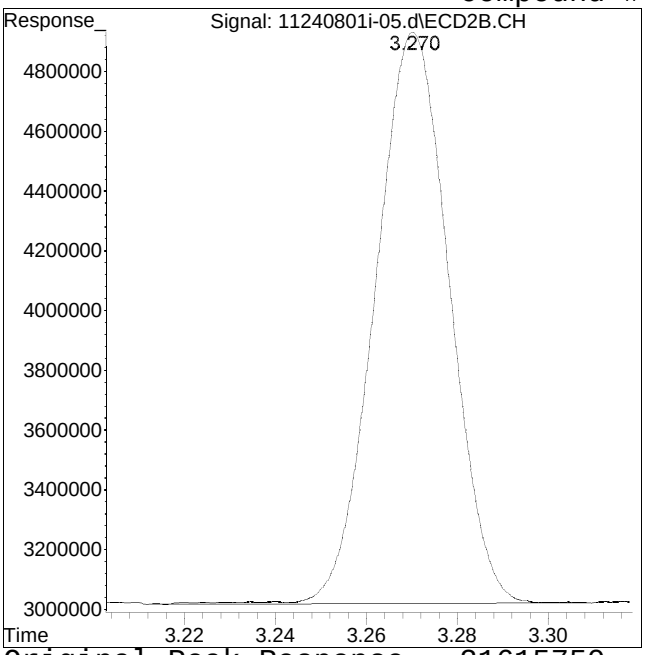
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

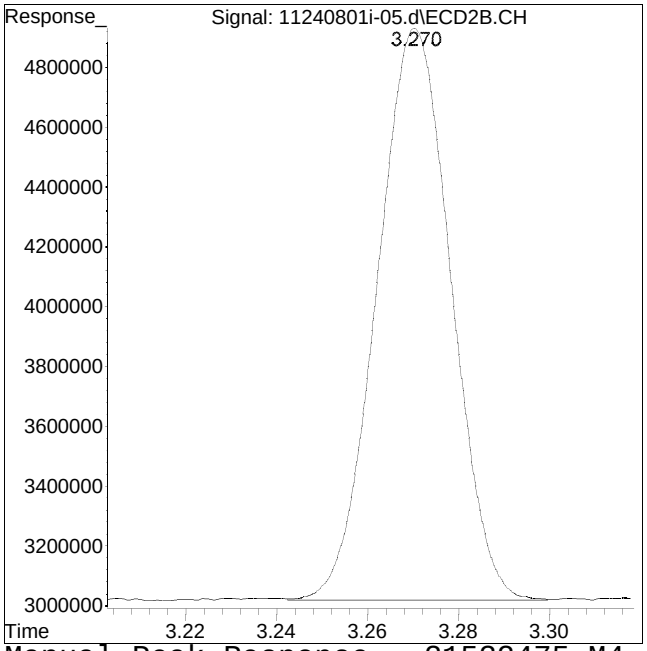
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #47: Aldrin #2



Original Peak Response = 21615750



Manual Peak Response = 21532475 M4

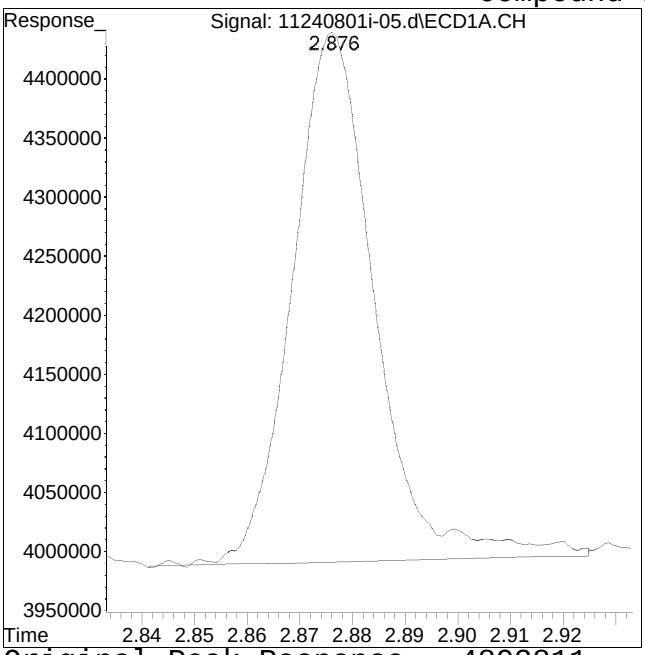
M4 = Poor automated baseline construction.

Manual Integration Report

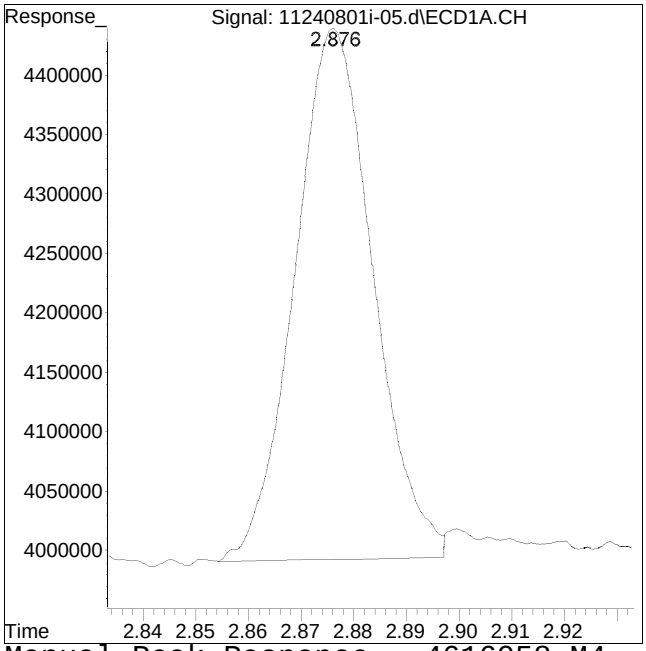
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #10: Alachlor



Original Peak Response = 4893811



Manual Peak Response = 4616058 M4

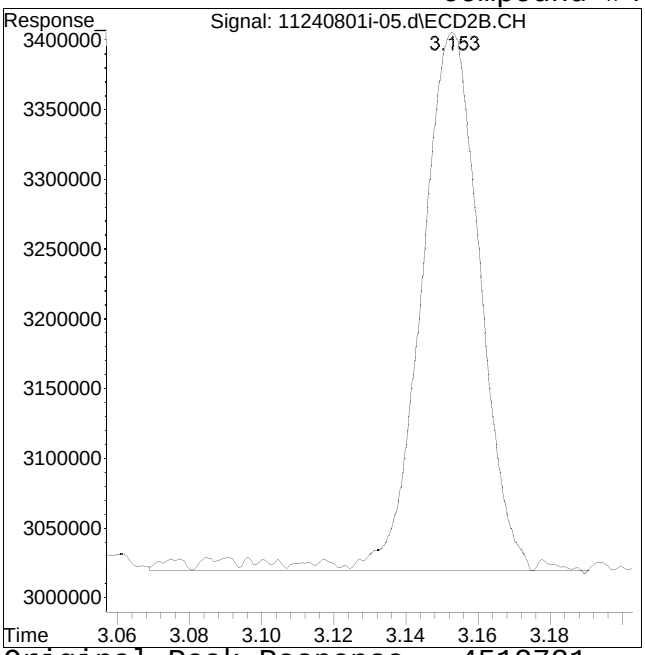
M4 = Poor automated baseline construction.

Manual Integration Report

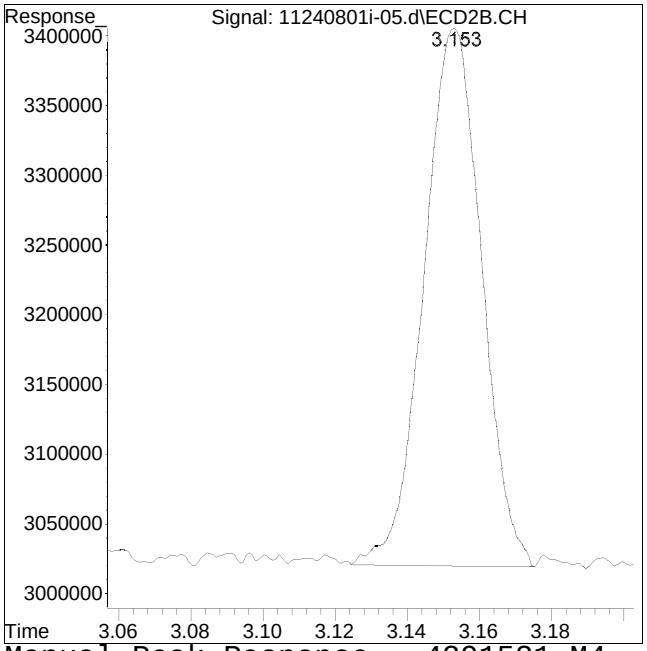
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #48: Alachlor #2



Original Peak Response = 4512721



Manual Peak Response = 4291521 M4

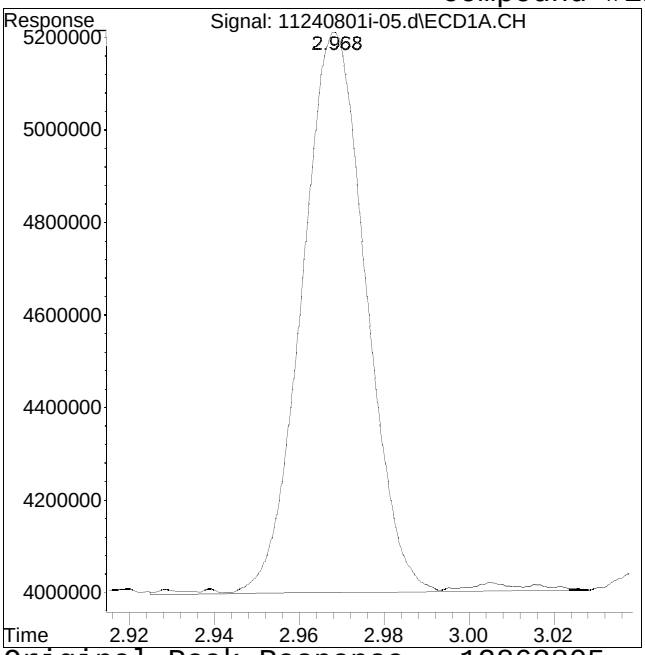
M4 = Poor automated baseline construction.

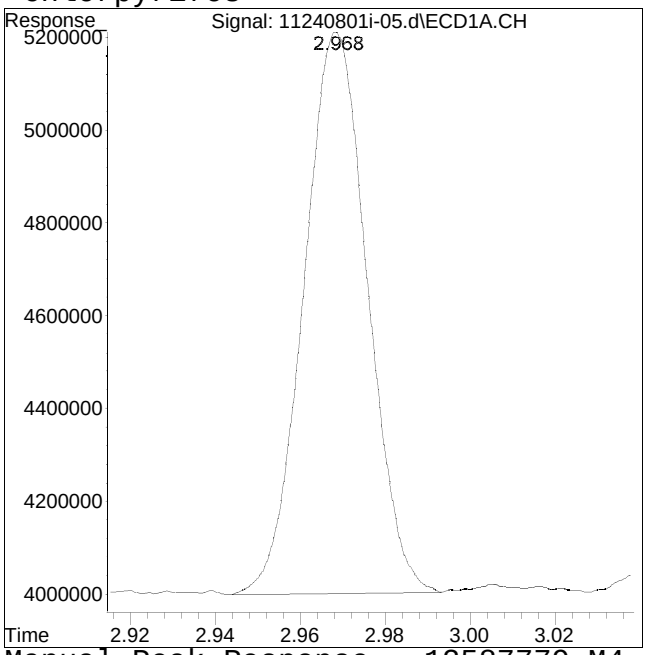
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #11: Chlorpyrifos



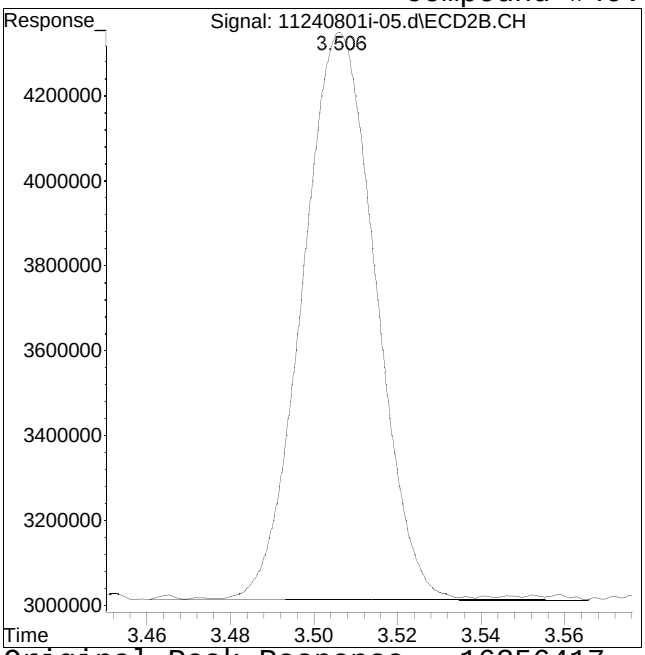


Original Peak Response = 12863805 Manual Peak Response = 12587779 M4
M4 = Poor automated baseline construction.

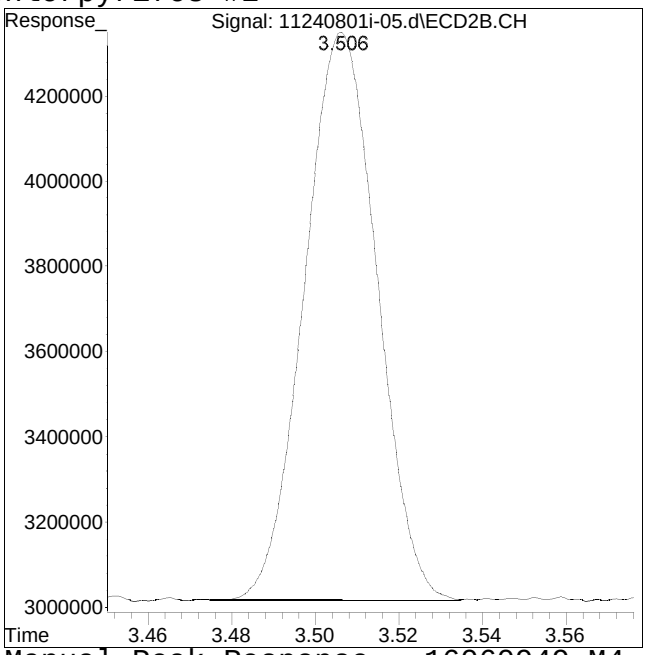
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 16356417



Manual Peak Response = 16060949 M4

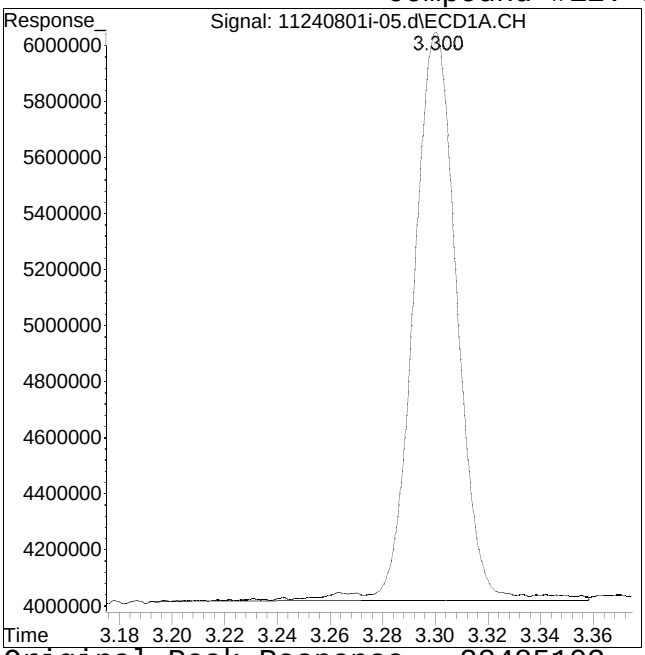
M4 = Poor automated baseline construction.

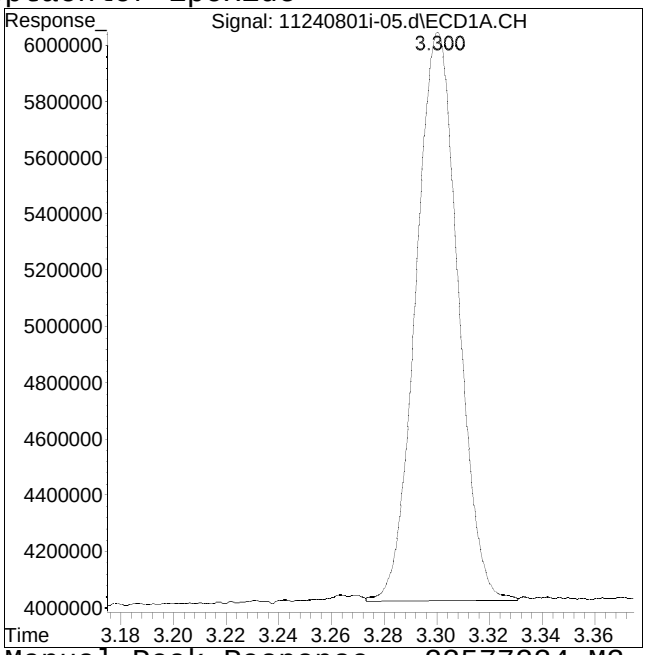
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #12: Heptachlor Epoxide





Original Peak Response = 23485103 Manual Peak Response = 22577234 M3

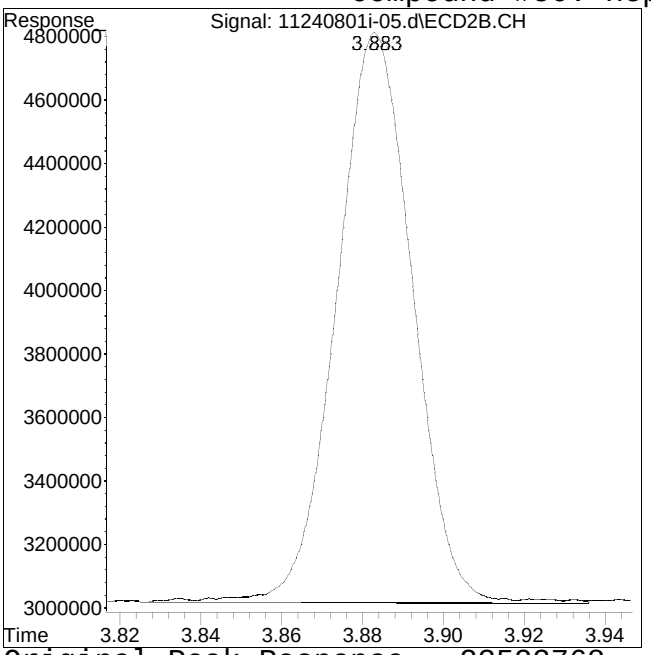
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

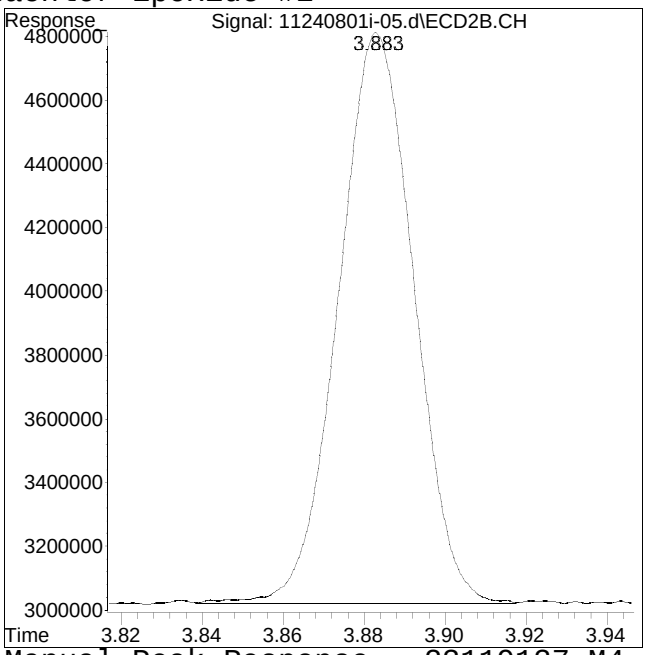
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 23522768



Manual Peak Response = 23119137 M4

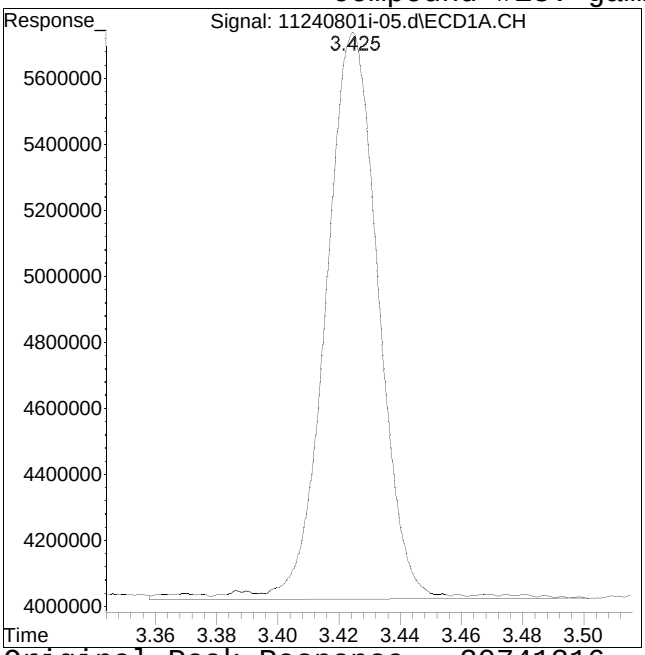
M4 = Poor automated baseline construction.

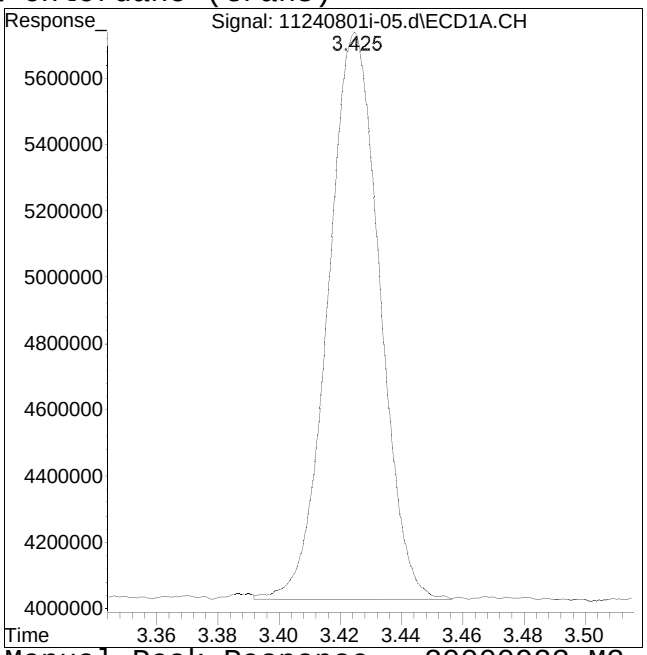
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #13: gamma-Chlordane (trans)



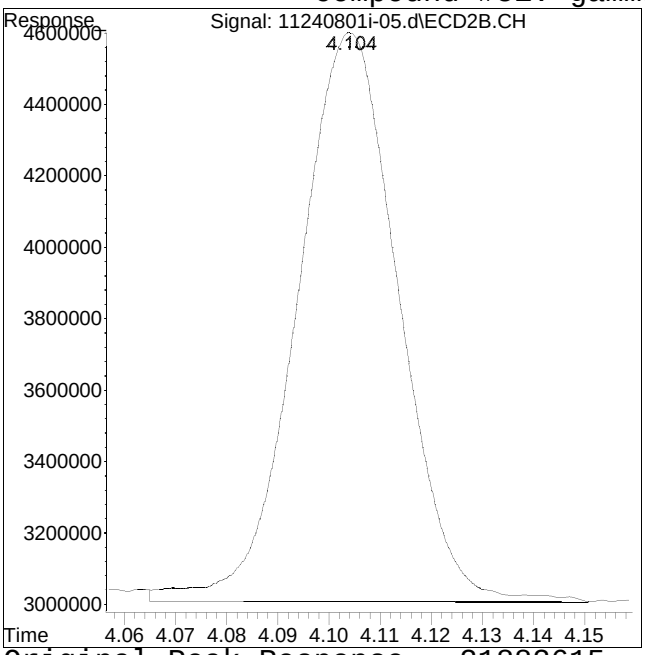


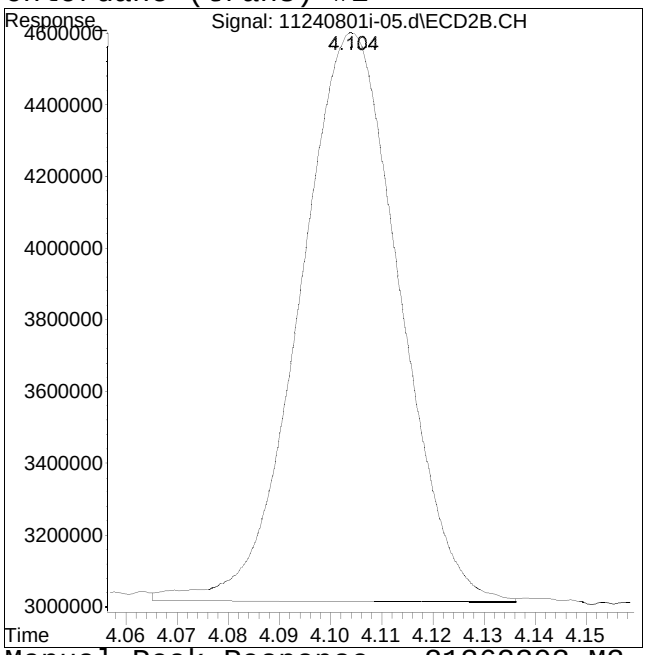
Original Peak Response = 20741216 Manual Peak Response = 20000923 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #51: gamma-Chlordane (trans) #2





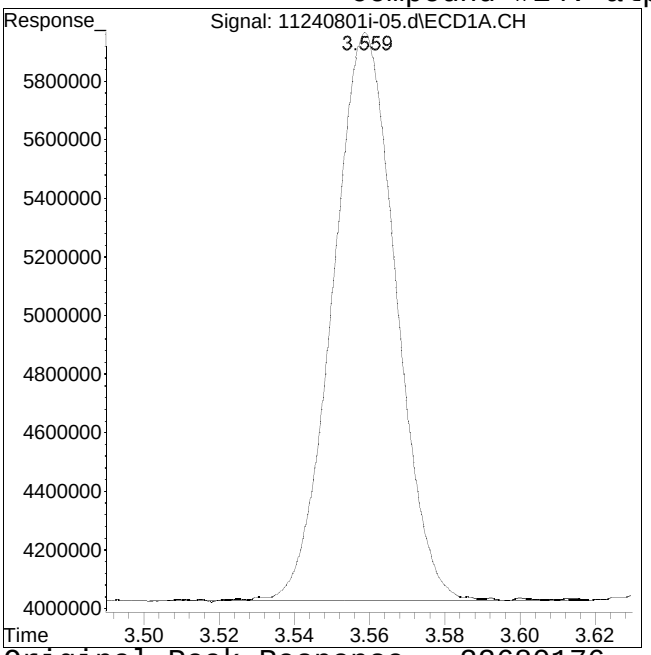
Original Peak Response = 21882615 Manual Peak Response = 21362303 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

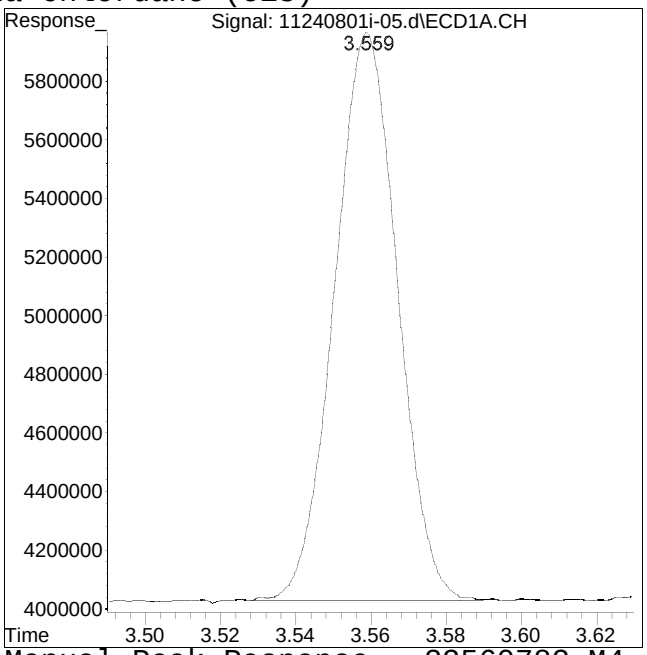
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 22680176



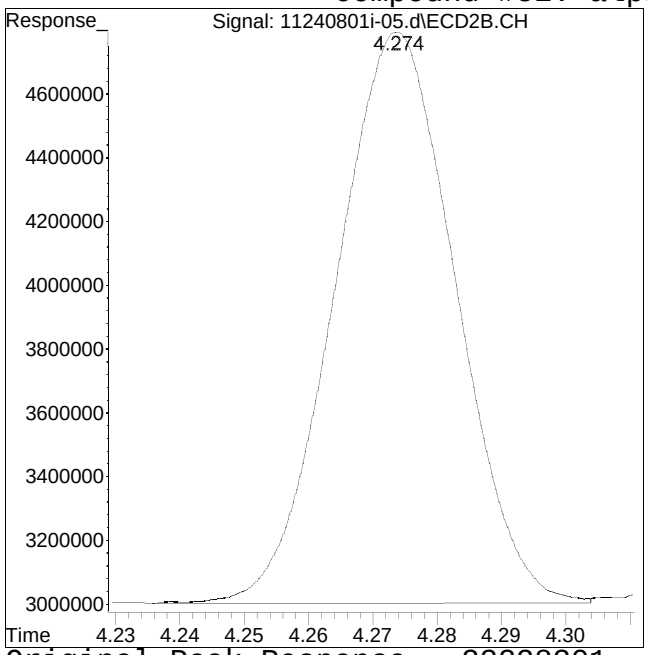
Manual Peak Response = 22560782 M4

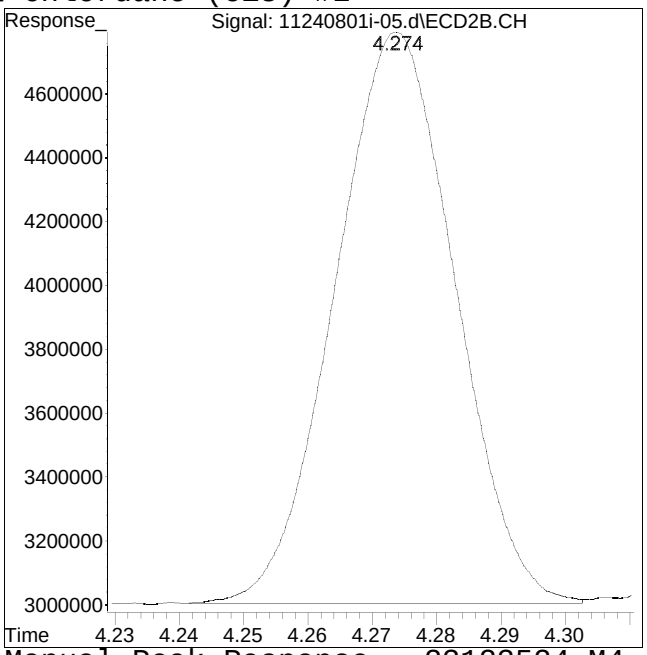
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #52: alpha-Chlordane (cis) #2





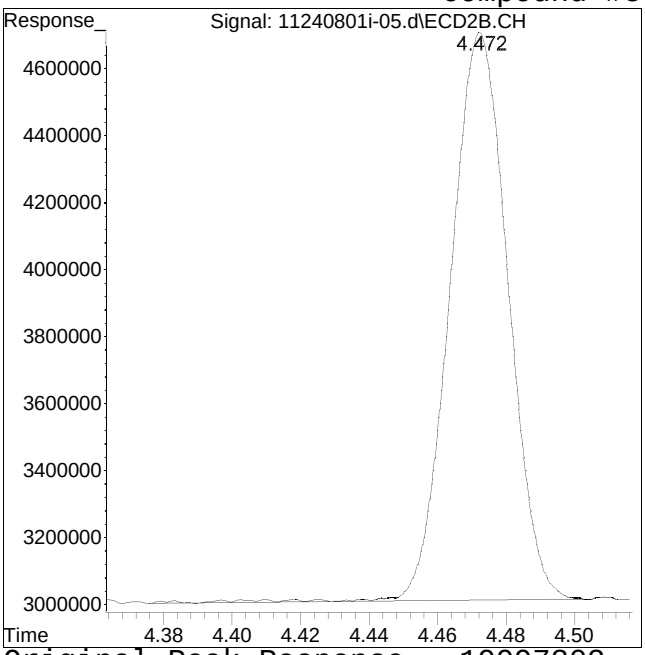
Original Peak Response = 23228301 Manual Peak Response = 23123524 M4
M4 = Poor automated baseline construction.

Manual Integration Report

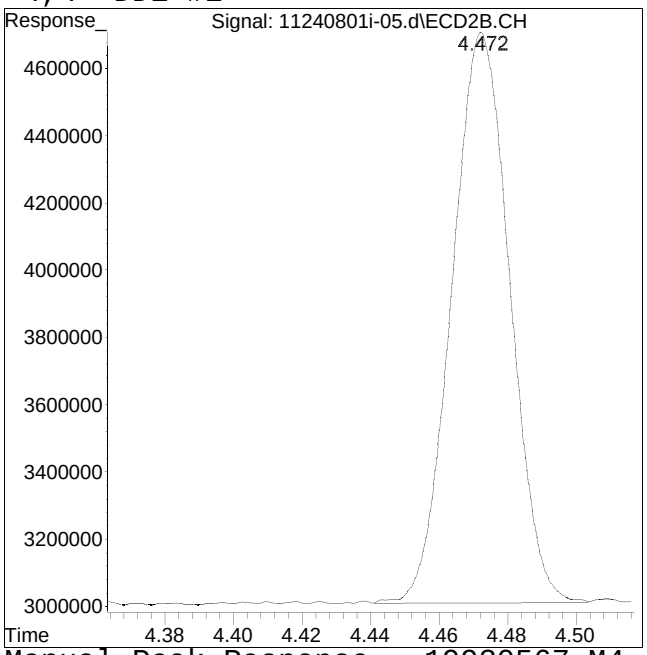
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 19997302



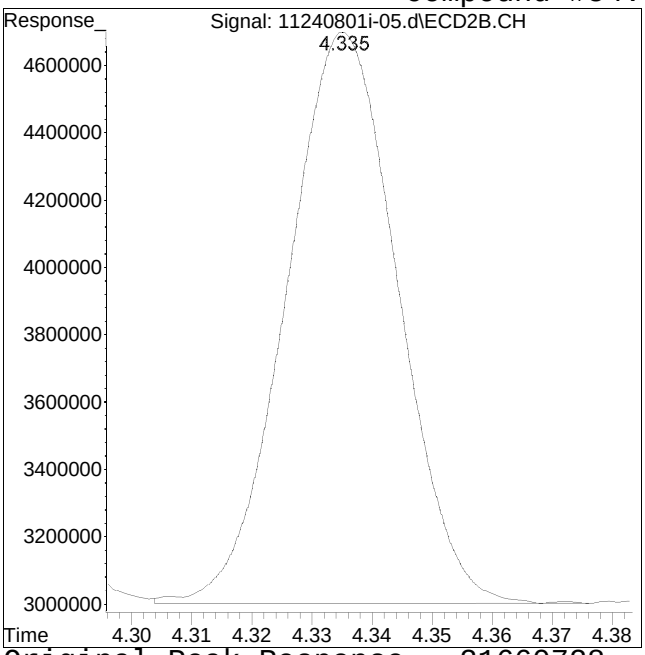
Manual Peak Response = 19930567 M4

M4 = Poor automated baseline construction.

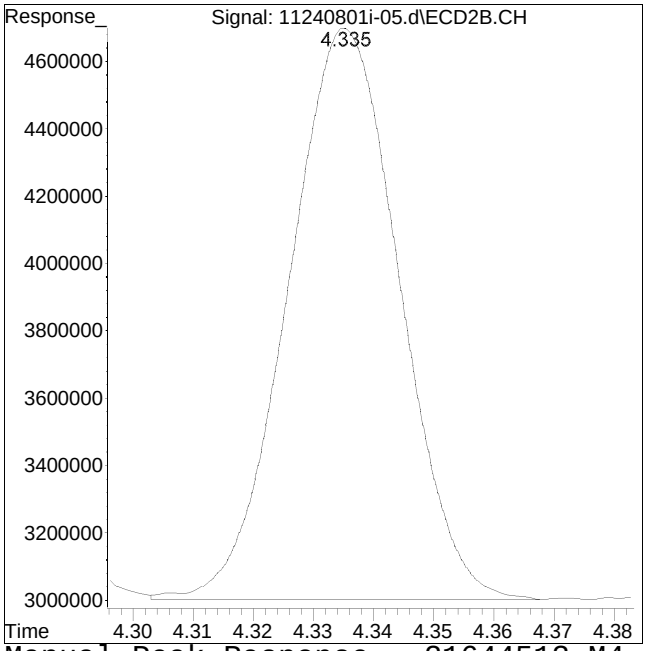
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #54: Endosulfan I #2



Original Peak Response = 21660728



Manual Peak Response = 21644513 M4

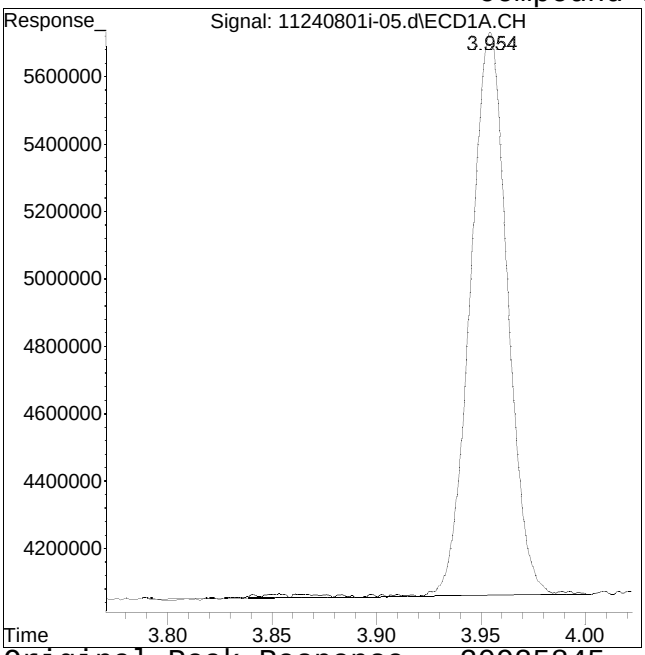
M4 = Poor automated baseline construction.

Manual Integration Report

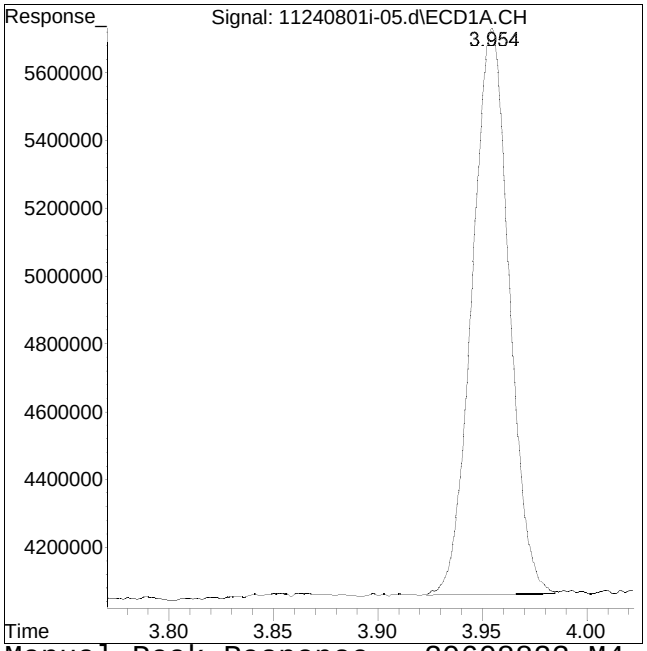
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #17: Dieldrin



Original Peak Response = 20925845



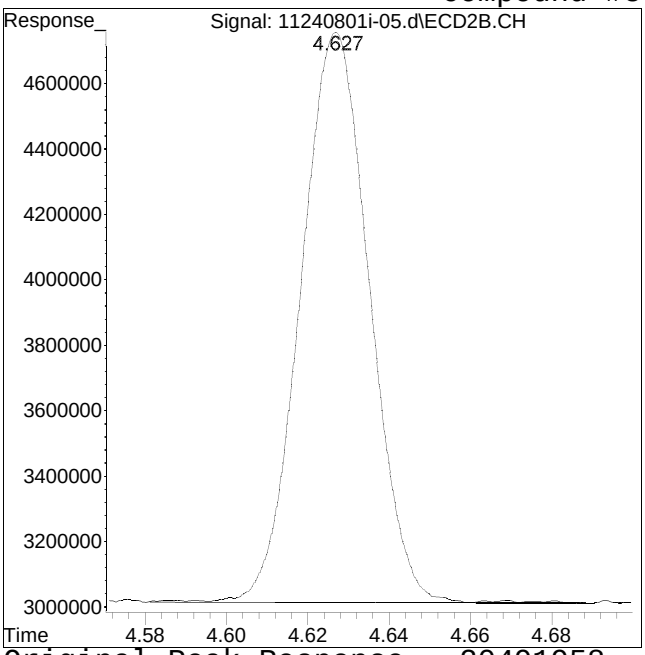
Manual Peak Response = 20608823 M4

M4 = Poor automated baseline construction.

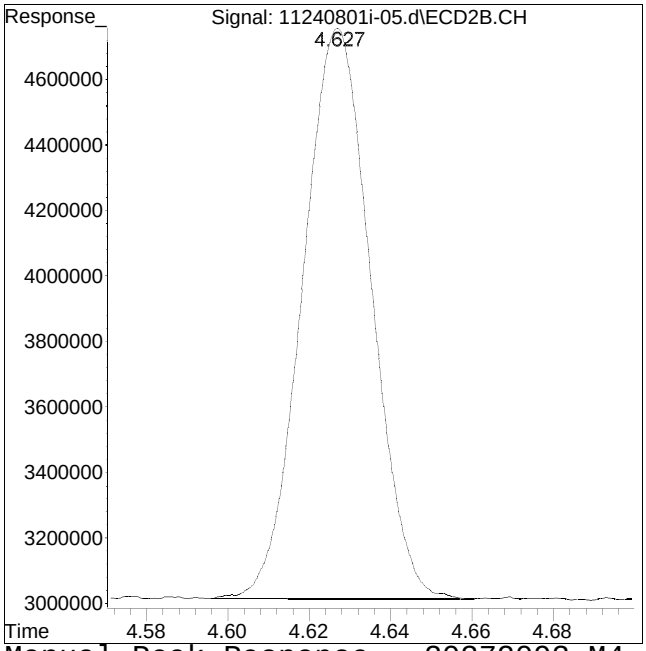
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #55: Dieldrin #2



Original Peak Response = 20491958



Manual Peak Response = 20372093 M4

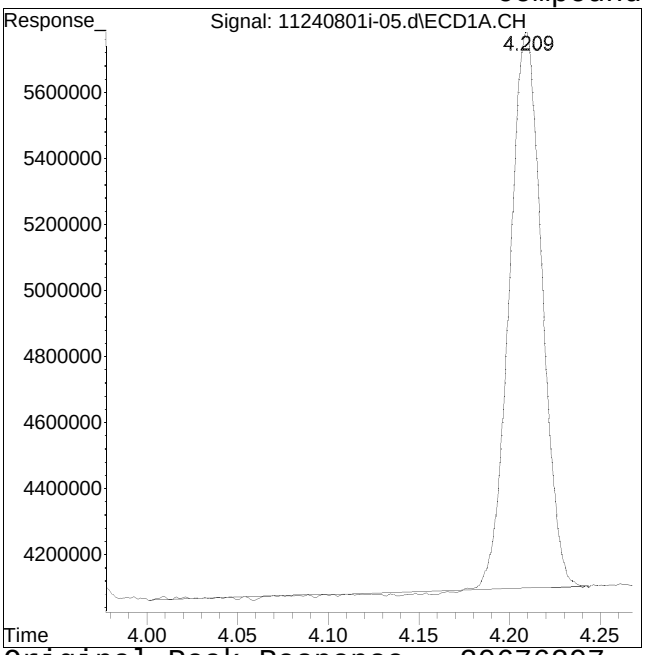
M4 = Poor automated baseline construction.

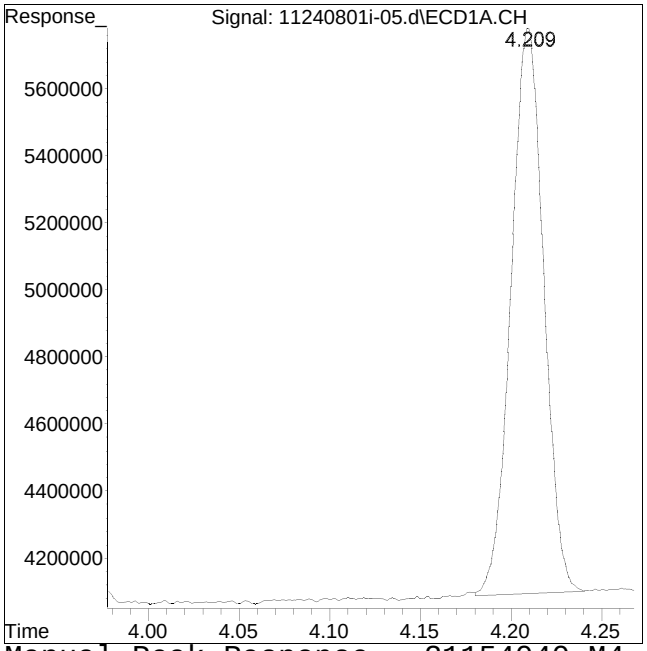
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #18: Endrin





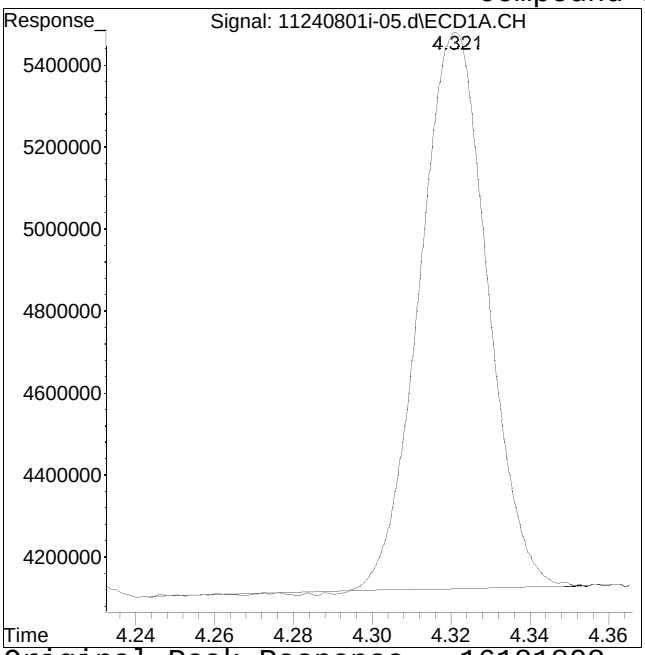
Original Peak Response = 20676297 Manual Peak Response = 21154040 M4
M4 = Poor automated baseline construction.

Manual Integration Report

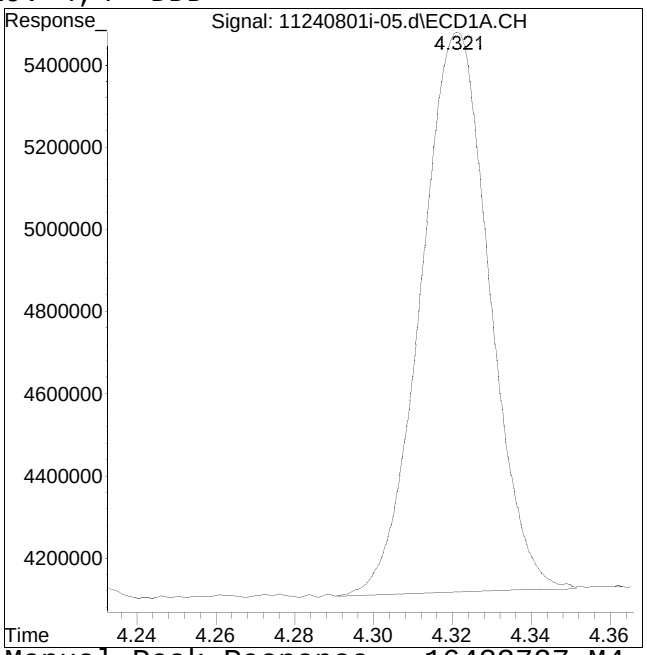
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #19: 4,4'-DDD



Original Peak Response = 16181808



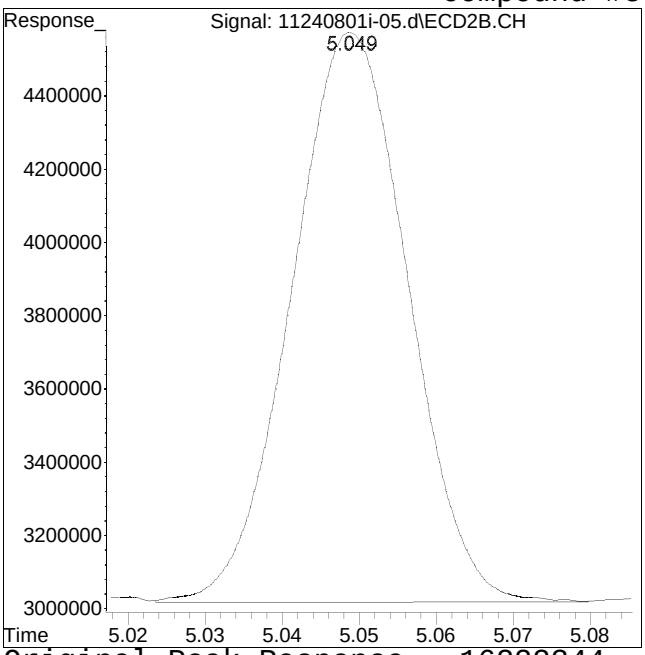
Manual Peak Response = 16433727 M4

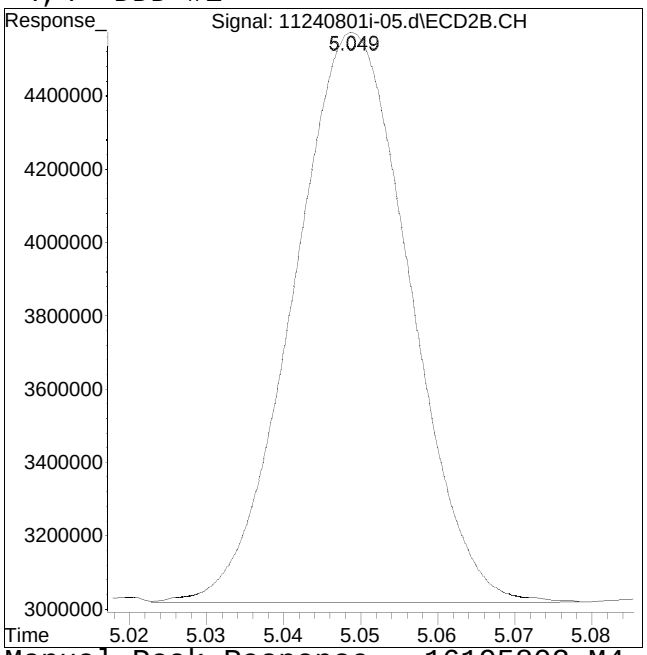
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #57: 4,4'-DDD #2





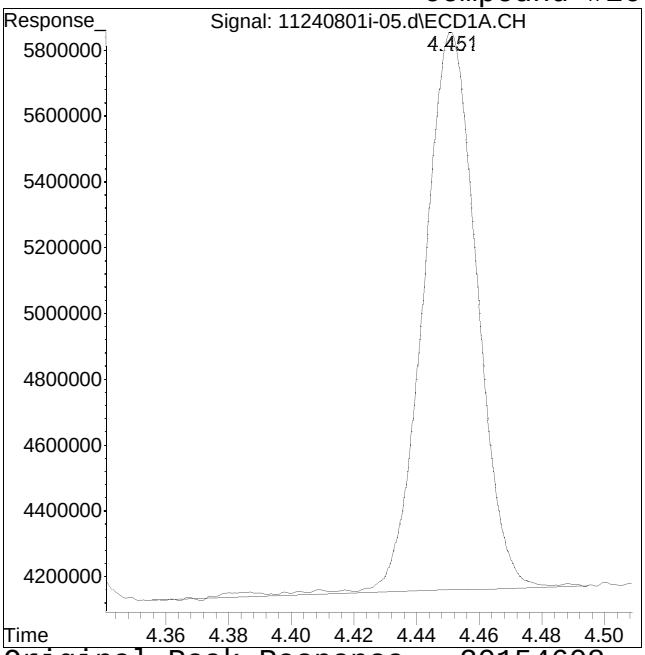
Original Peak Response = 16222344 Manual Peak Response = 16195802 M4
M4 = Poor automated baseline construction.

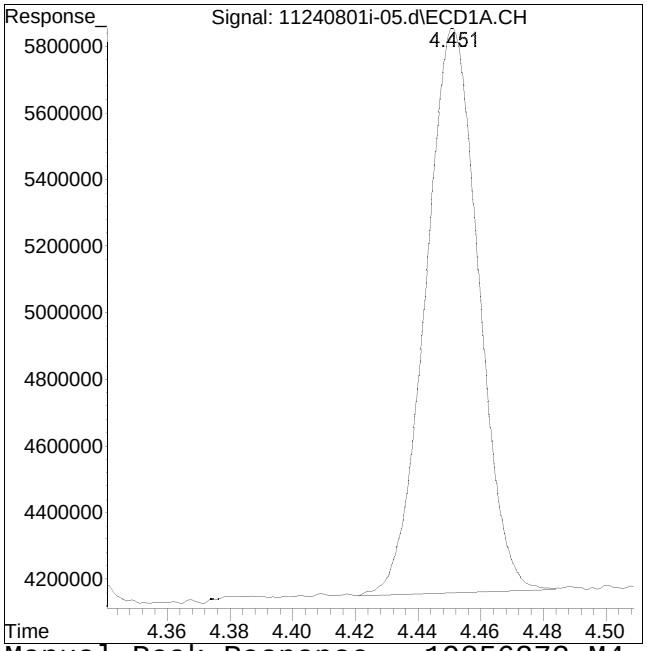
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #20: Endosulfan II





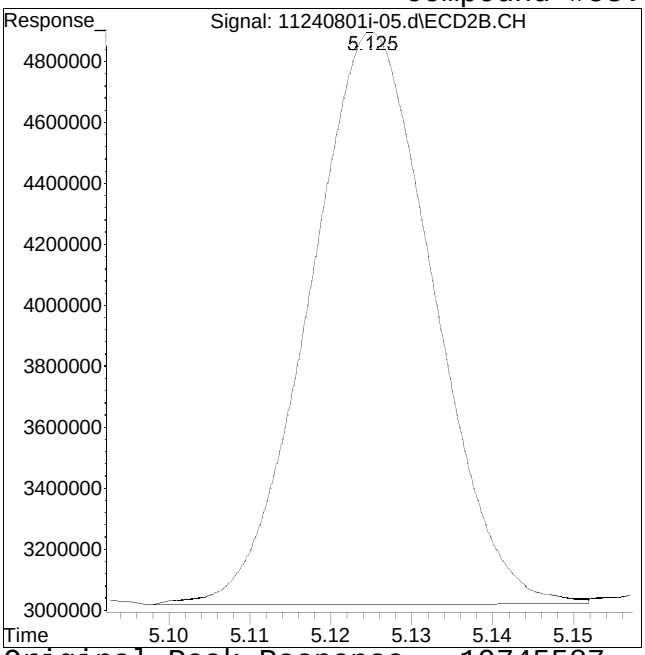
Original Peak Response = 20154608 Manual Peak Response = 19856372 M4
M4 = Poor automated baseline construction.

Manual Integration Report

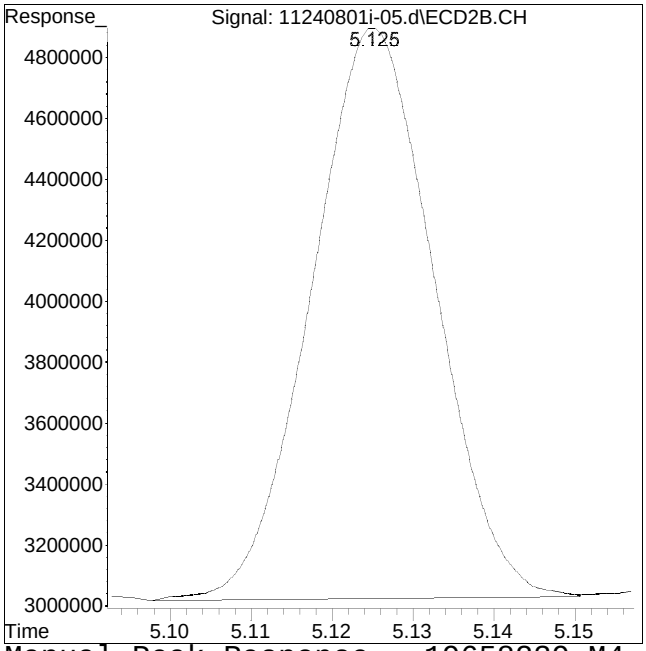
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #58: Endosulfan II #2



Original Peak Response = 19745587



Manual Peak Response = 19658239 M4

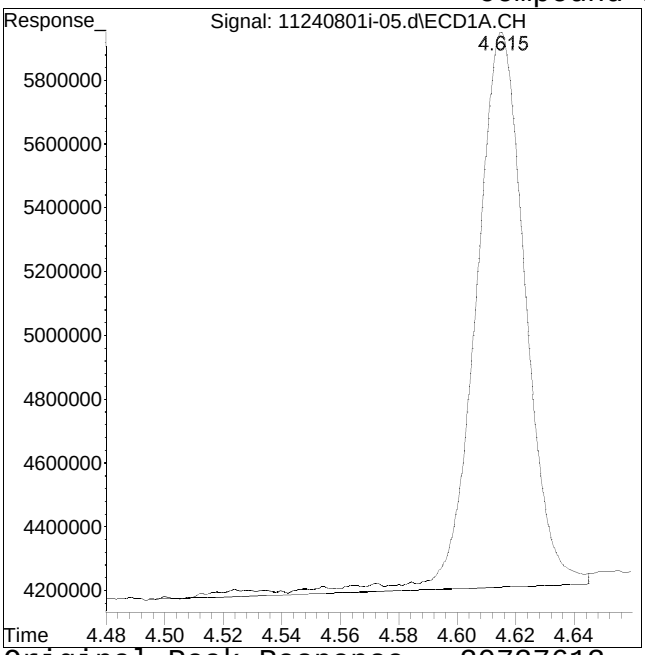
M4 = Poor automated baseline construction.

Manual Integration Report

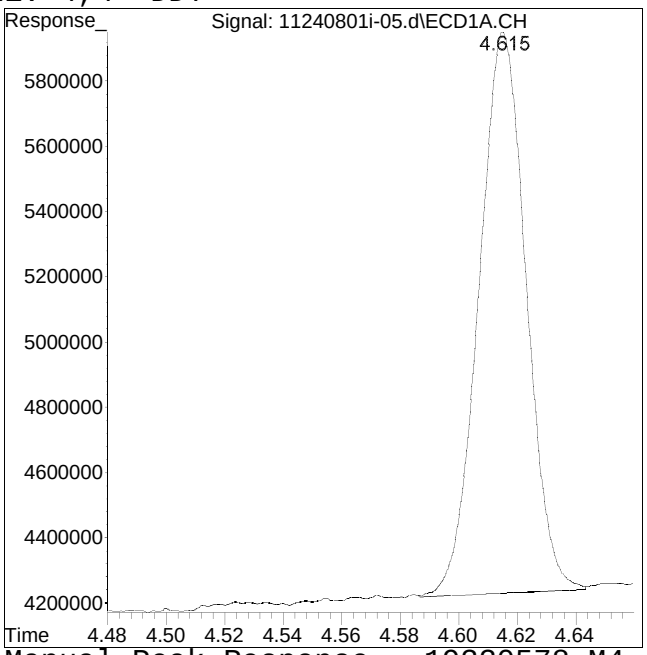
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #21: 4,4'-DDT



Original Peak Response = 20737613



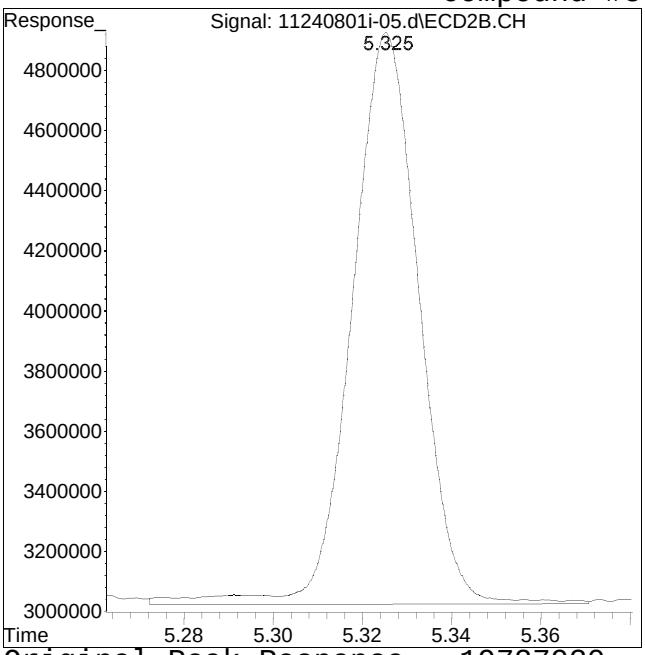
Manual Peak Response = 19330578 M4

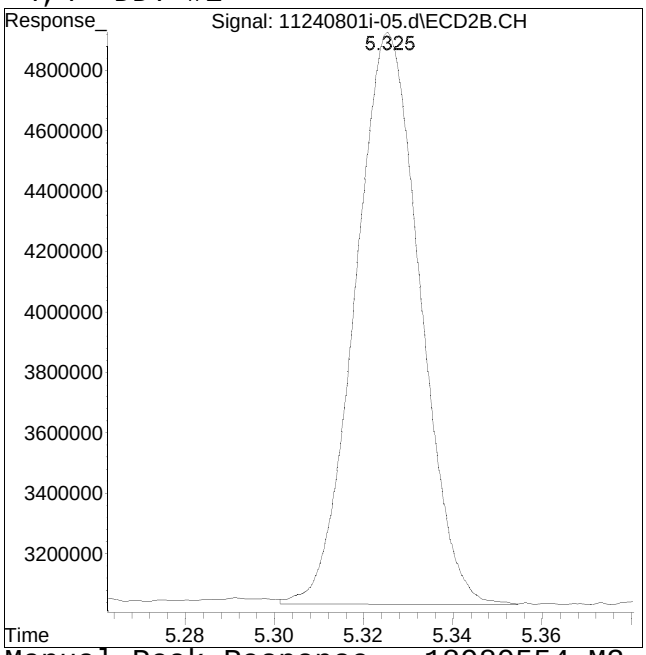
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #59: 4,4'-DDT #2



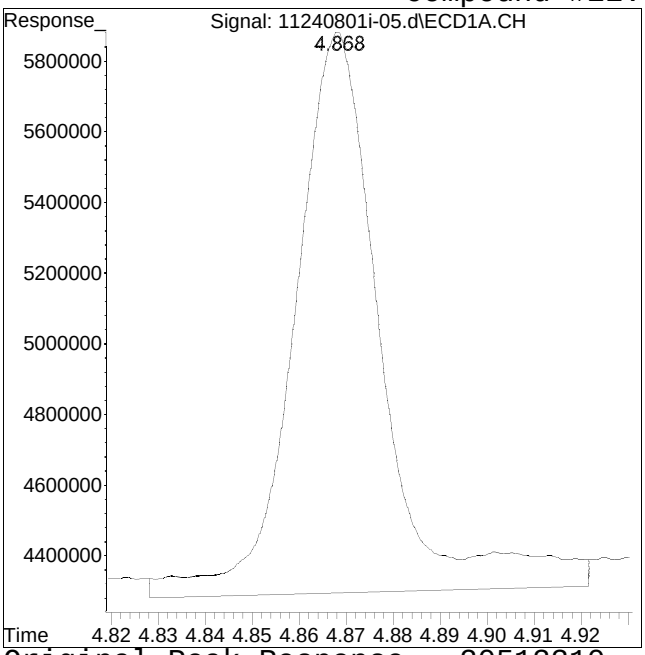


Original Peak Response = 19727930 Manual Peak Response = 18980554 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

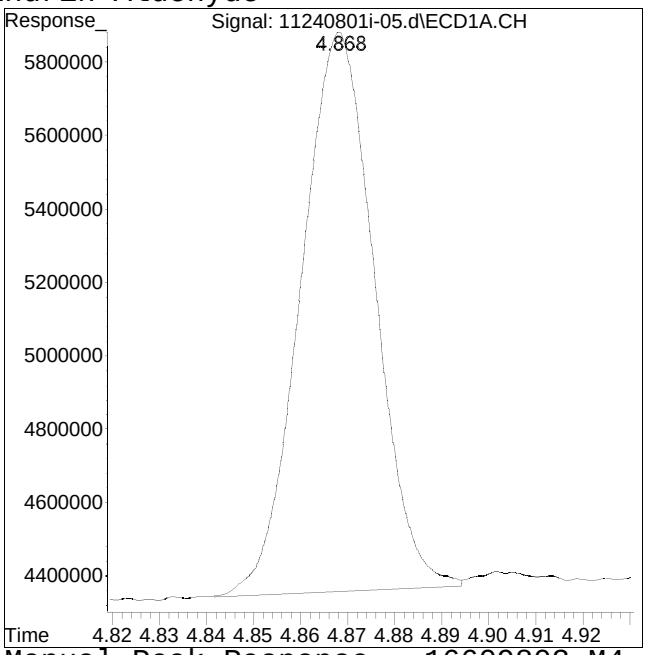
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #22: Endrin Aldehyde



Original Peak Response = 20513310



Manual Peak Response = 16609803 M4

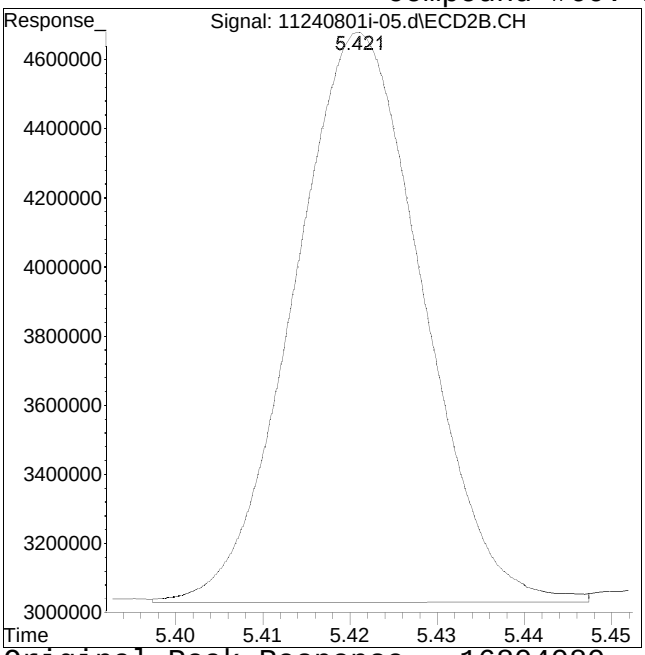
M4 = Poor automated baseline construction.

Manual Integration Report

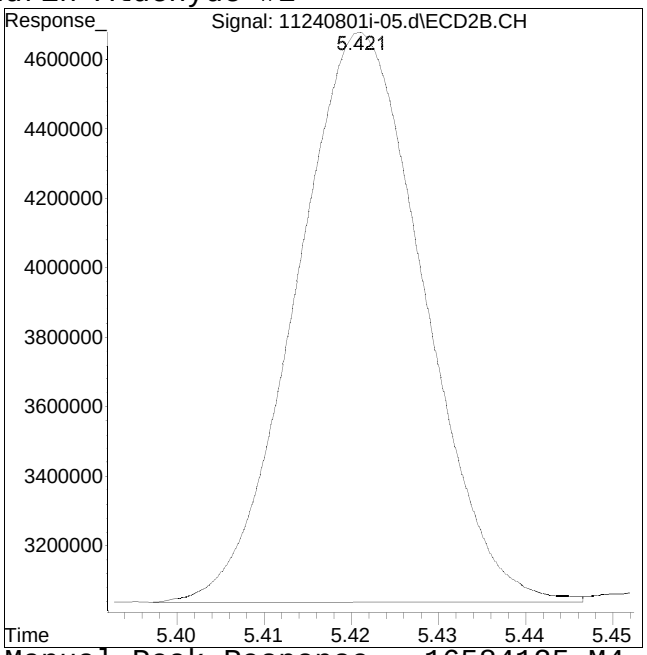
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 16804080



Manual Peak Response = 16584125 M4

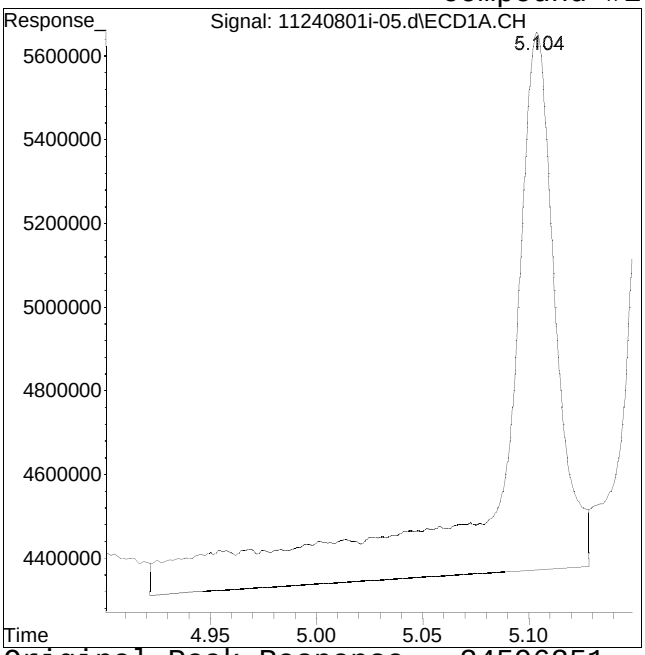
M4 = Poor automated baseline construction.

Manual Integration Report

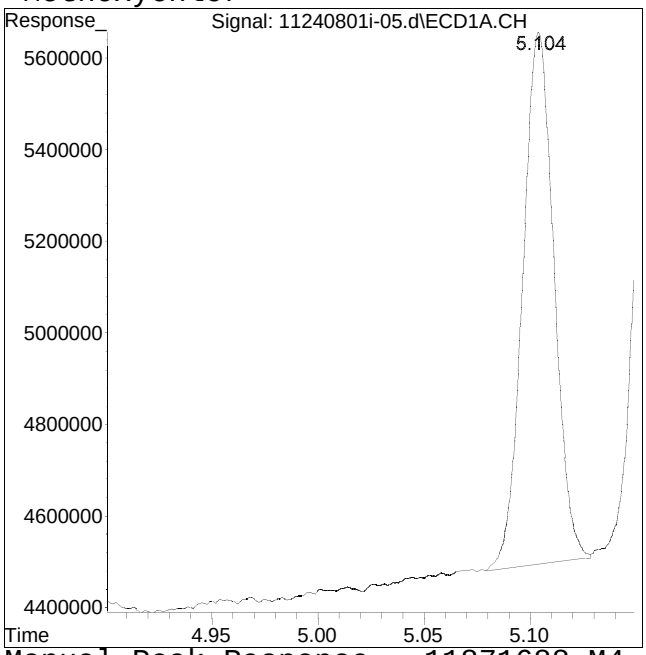
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #23: Methoxychlor



Original Peak Response = 24596251



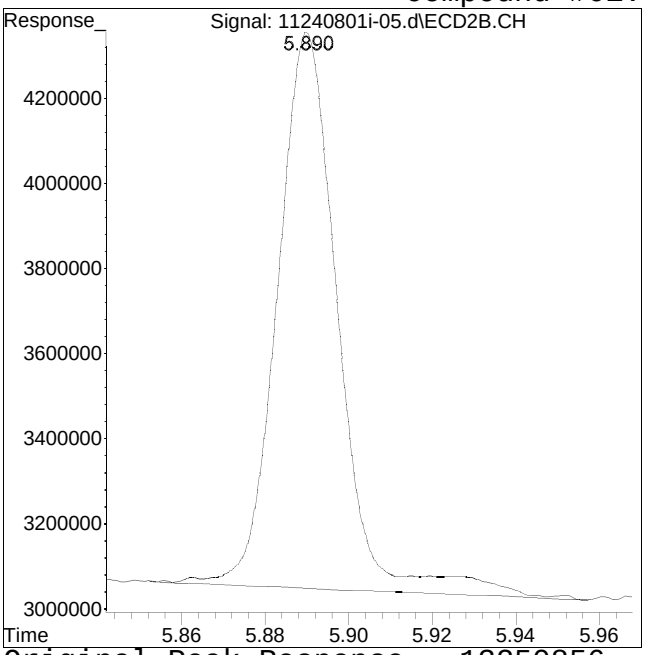
Manual Peak Response = 11871688 M4

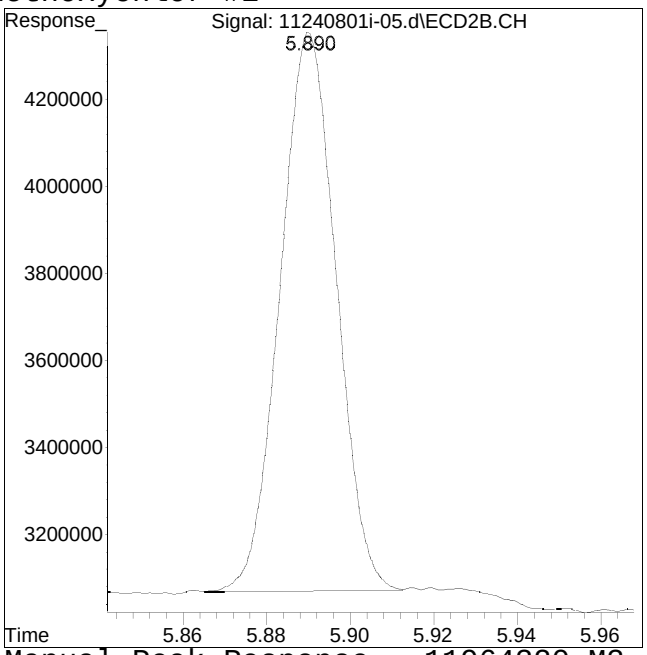
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #61: Methoxychlor #2





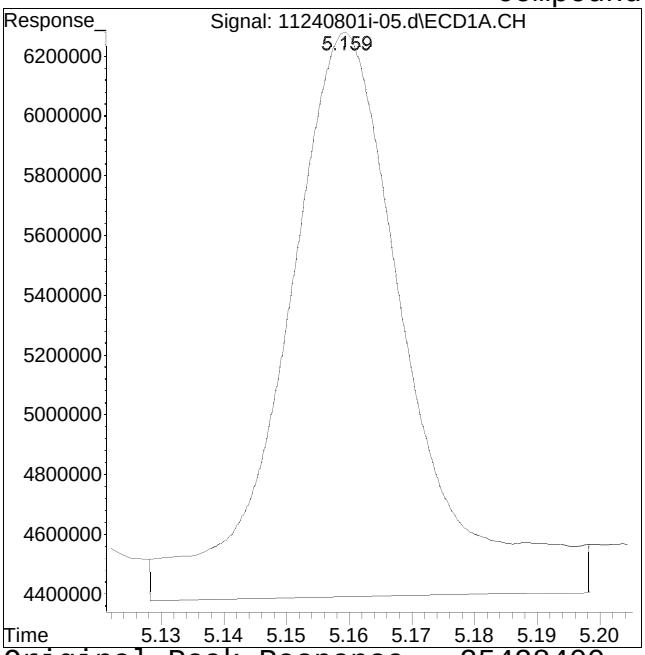
Original Peak Response = 13250856 Manual Peak Response = 11964320 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

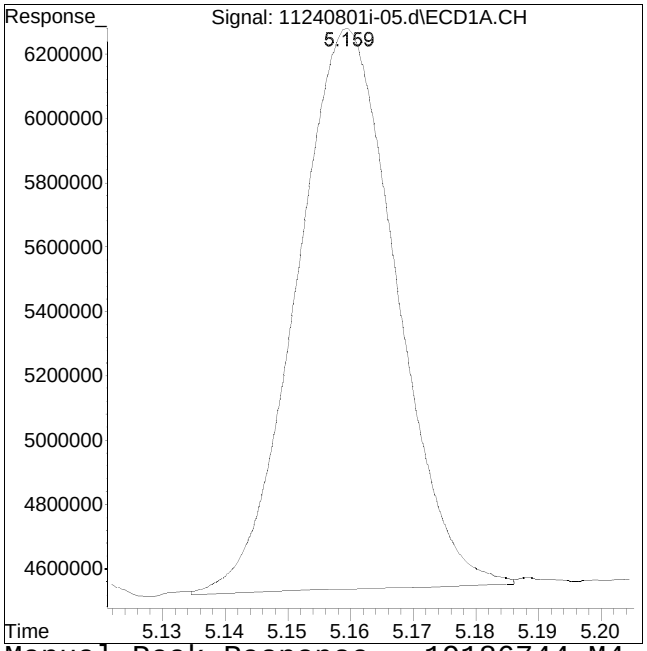
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #24: Mirex



Original Peak Response = 25428400



Manual Peak Response = 19186744 M4

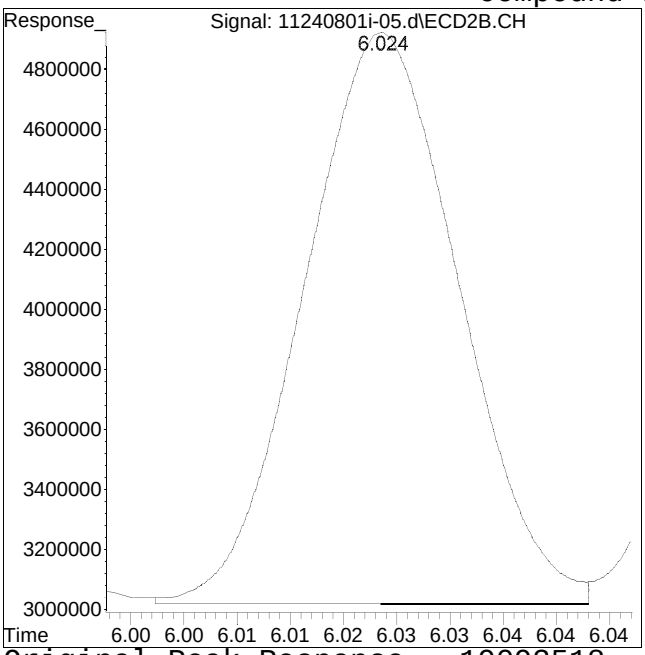
M4 = Poor automated baseline construction.

Manual Integration Report

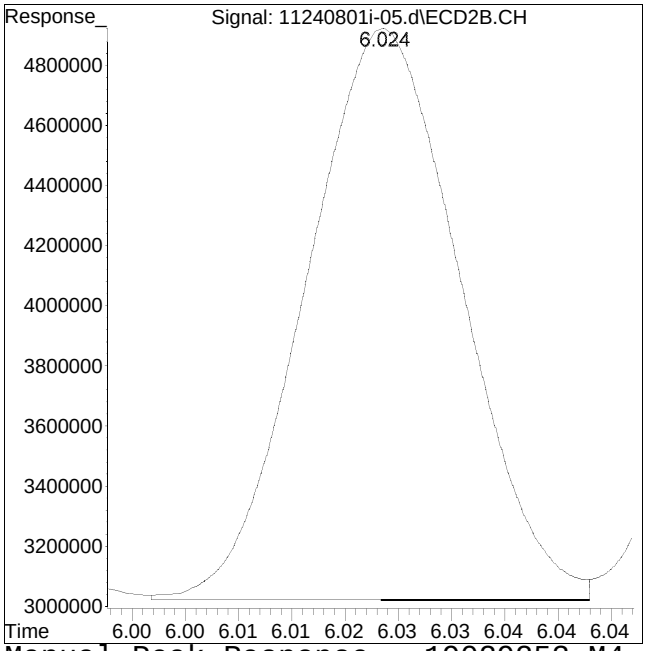
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #62: Mirex #2



Original Peak Response = 19093518



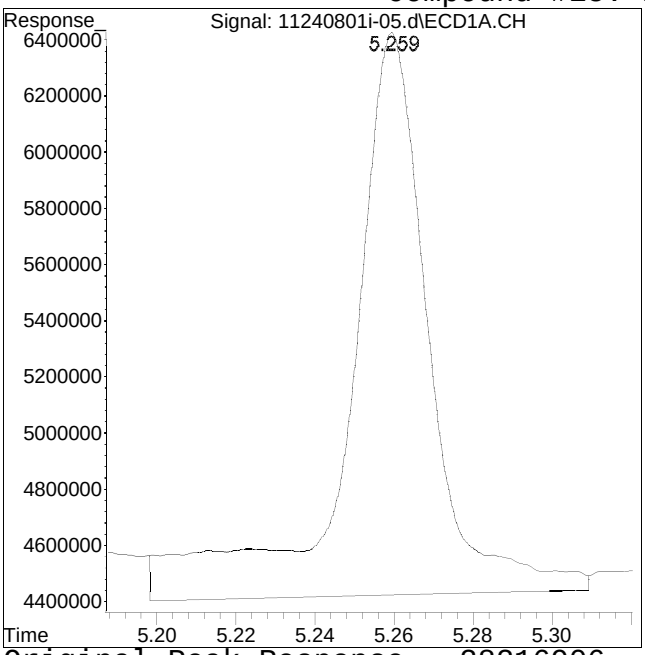
Manual Peak Response = 19029253 M4

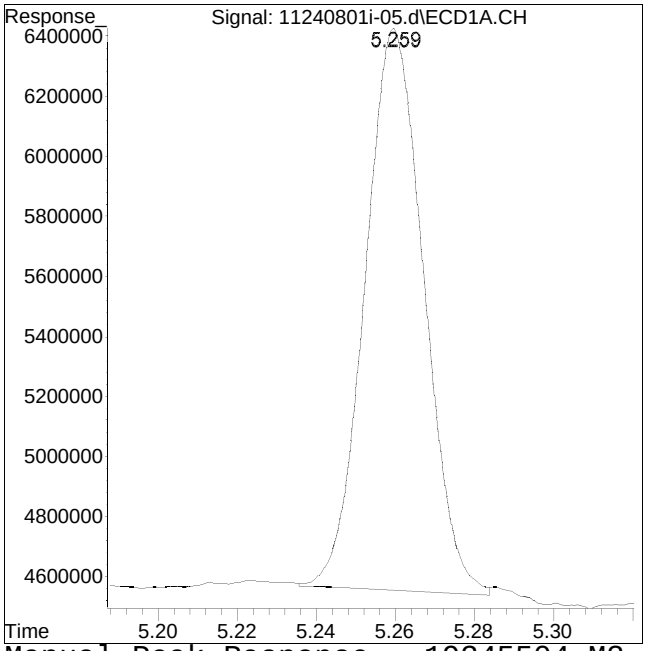
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #25: Endosulfan Sulfate





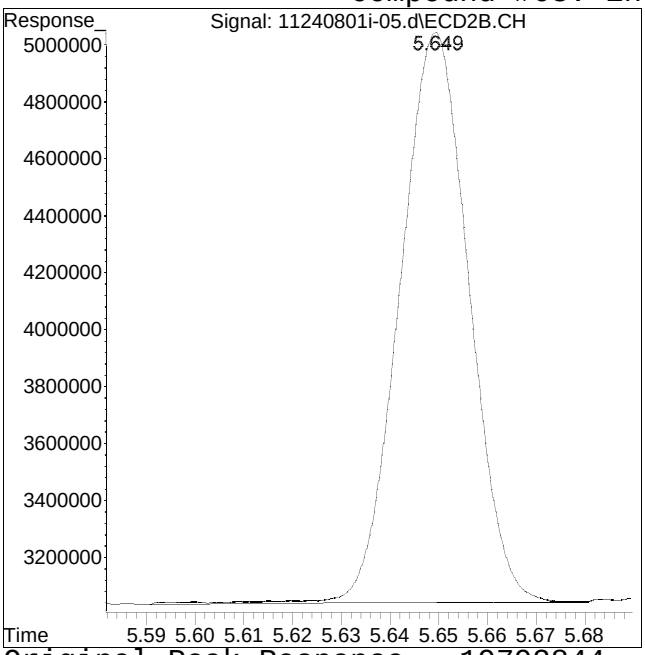
Original Peak Response = 28216906 Manual Peak Response = 19345504 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

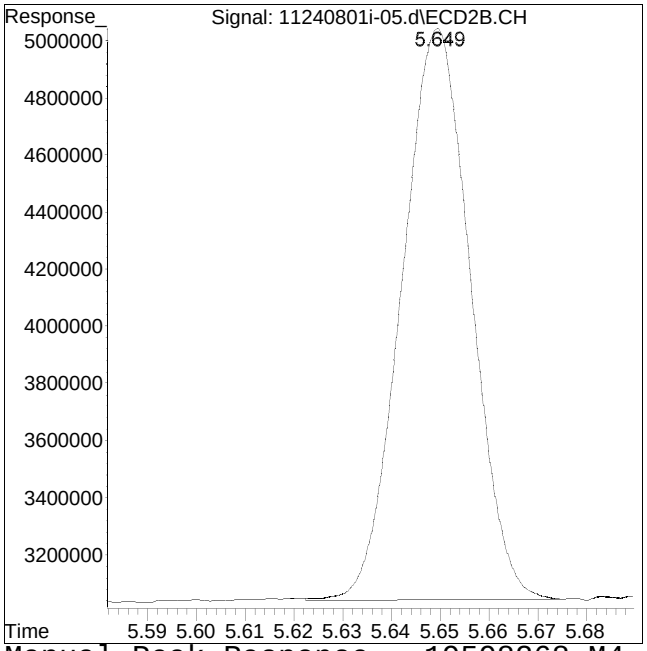
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 19792844



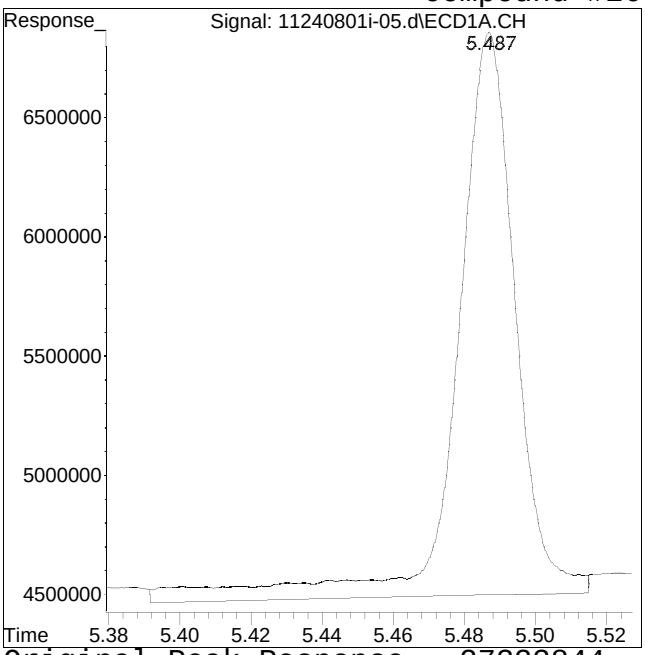
Manual Peak Response = 19598268 M4

M4 = Poor automated baseline construction.

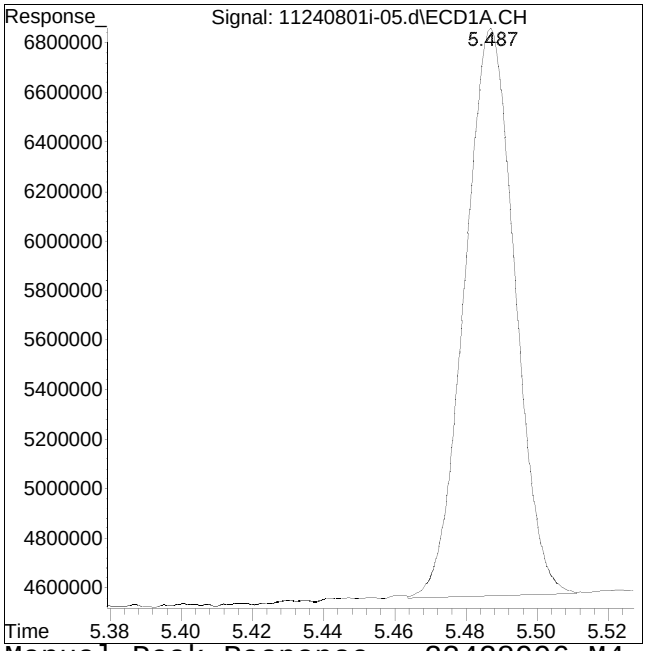
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #26: Endrin Ketone



Original Peak Response = 27333844



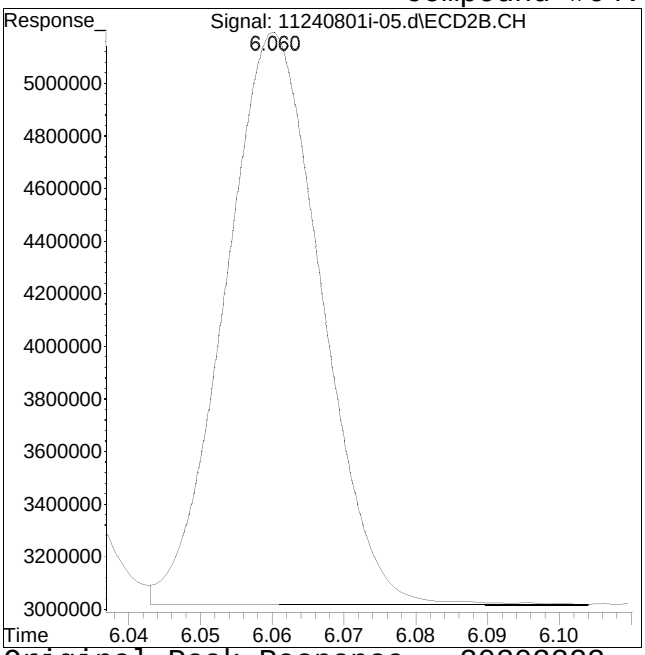
Manual Peak Response = 22428996 M4

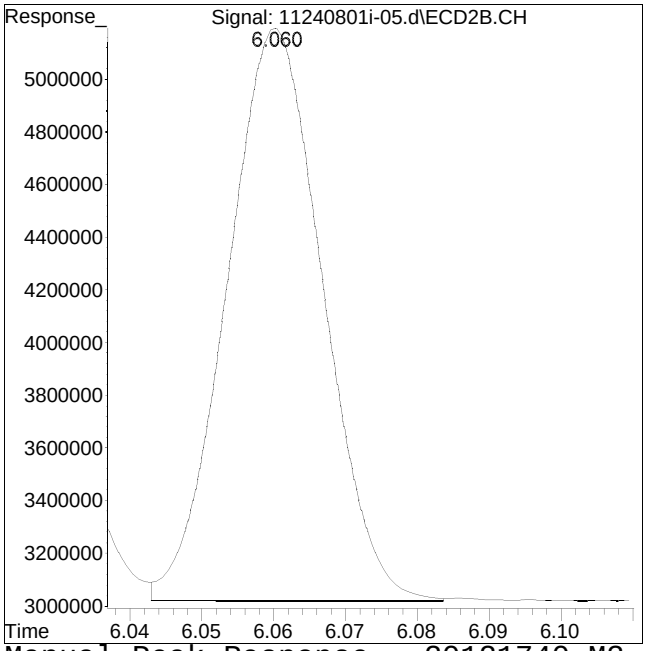
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #64: Endrin Ketone #2





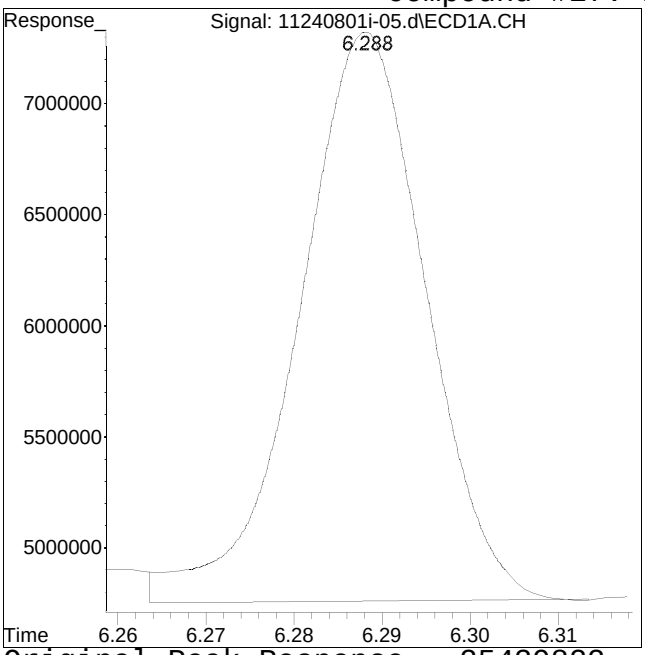
Original Peak Response = 20303223 Manual Peak Response = 20121740 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

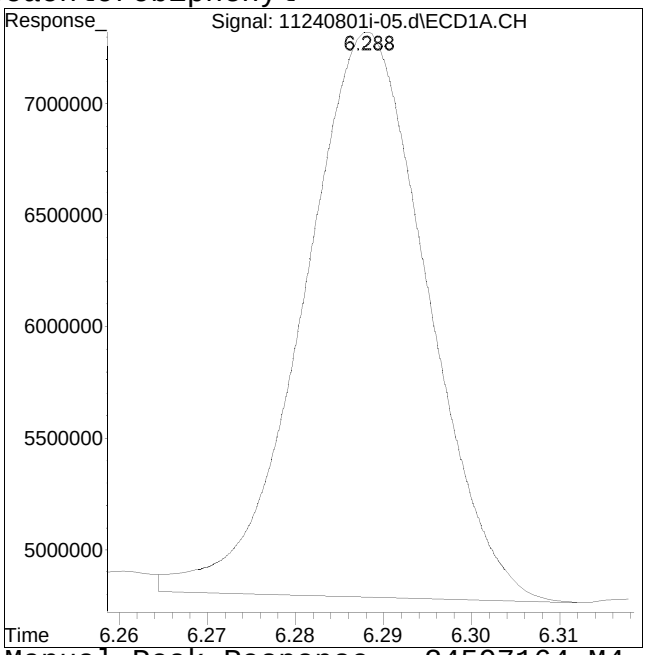
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 25439822



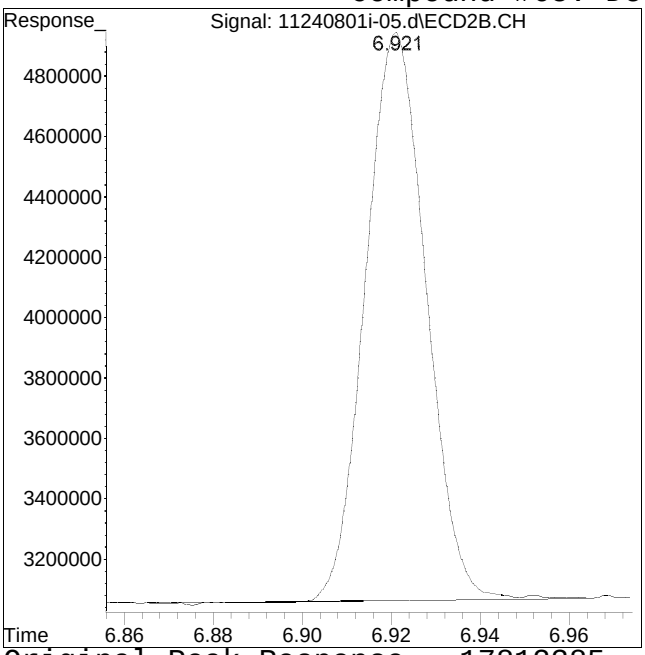
Manual Peak Response = 24597164 M4

M4 = Poor automated baseline construction.

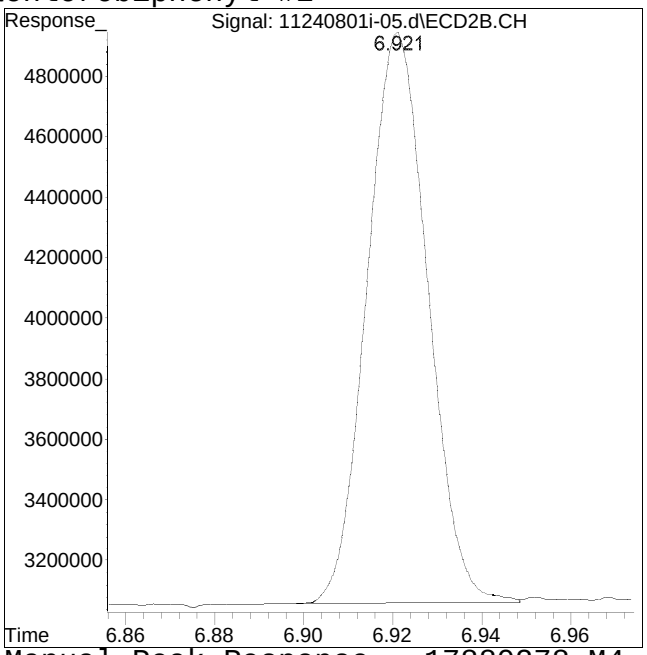
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 17812385



Manual Peak Response = 17880278 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:13
Operator : PEST11:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:00:58 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.385	225.3E6	182.6E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	29080990	25002980	3.146M4	3.174M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		6.29%#	6.35%#
27) s	Decachlorobi	6.288	6.920	35723670	25963491	3.673M3	3.623
	Spiked Amount 50.000	Range 30 - 150		Recovery =		7.35%#	7.25%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.177	41044675	28990626	3.378M4	3.407M4
4) t	alpha-BHC	1.963	2.270	37177271	33446228	2.704M4	2.766M4
5) t	gamma-BHC (l	2.165	2.556	36664929	32438962	2.866	2.938M4
6) t	beta-BHC	2.221	2.622	18018371	17068674	3.280M4	3.539M4
7) t	delta-BHC	2.349	2.889	35236787	32007816	2.741M4	2.855M4
8) t	Heptachlor	2.513	2.951	36683442	36318635	3.092M4	3.237M4
9) t	Aldrin	2.755	3.270	33013771	31469739	2.925M3	3.041M4
10) t	Alachlor	2.876	3.153	6704352	6156990	3.330M4	3.985M4
11) t	Chlorpyrifos	2.968	3.506	18438577	22860352	3.688M4	3.962M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:13
Operator : PEST11:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:00:58 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.884	33482006	33318329	3.165M3	3.371
13)	t	gamma-Chlord	3.424	4.104	29652579	30160649	3.062M3	3.308M4
14)	t	alpha-Chlord	3.558	4.274	33742908	33326776	3.077M4	3.307M4
15)	t	4,4'-DDE	3.656	4.472	32070400	29145586	2.927M4	2.985M4
16)	t	Endosulfan I	3.695	4.335	31252215	31096714	3.125	3.370M4
17)	t	Dieldrin	3.954	4.627	30771717	29641213	2.966M4	3.125M4
18)	t	Endrin	4.209	4.925	31764584	30138830	3.033M4	3.136M4
19)	t	4,4'-DDD	4.321	5.049	24810460	23764919	2.902M4	3.027M3
20)	t	Endosulfan I	4.451	5.125	29573503	28438999	3.135M4	3.375M4
21)	t	4,4'-DDT	4.614	5.325	28950153	27857323	2.987M4	3.095M4
22)	t	Endrin Aldeh	4.867	5.420	24805991	23963315	3.136M3	3.415M4
23)	t	Methoxychlor	5.104	5.890	18239522	17467129	3.612M4	3.699M4
24)	t	Mirex	5.159	6.023	28822274	27405414	3.547M3	3.862M4
25)	t	Endosulfan S	5.259	5.649	28795336	28540412	3.247M3	3.461
26)	t	Endrin Keton	5.486	6.060	33725466	29365808	3.191M4	3.323M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:13
Operator : PEST11:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:00:58 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

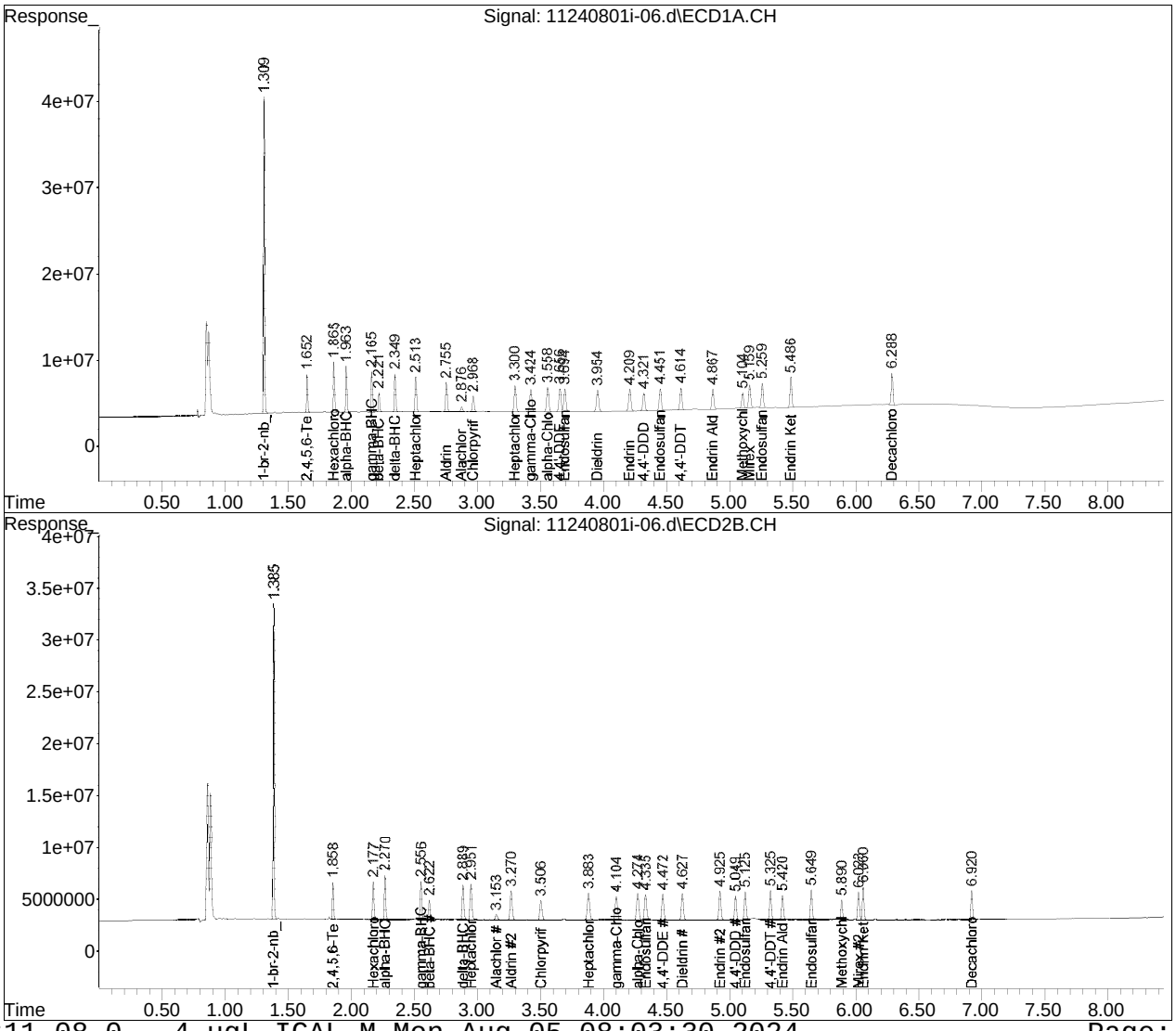
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:13
Operator : PEST11:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:00:58 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

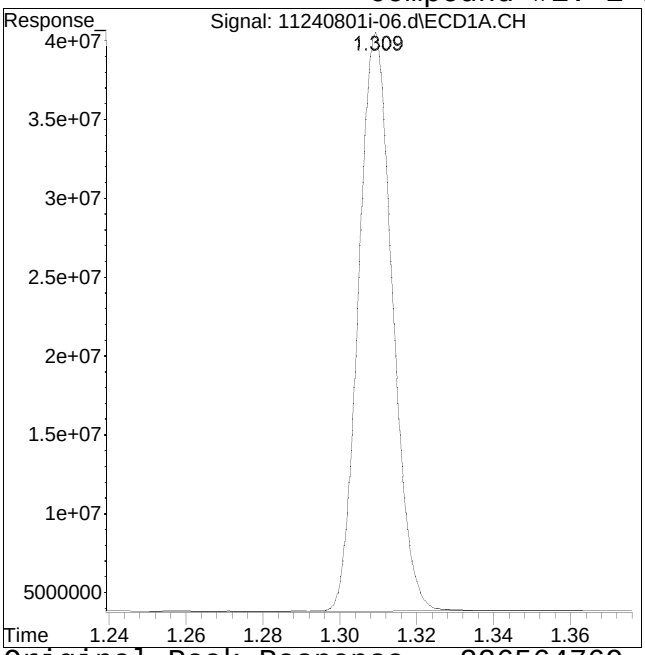


Manual Integration Report

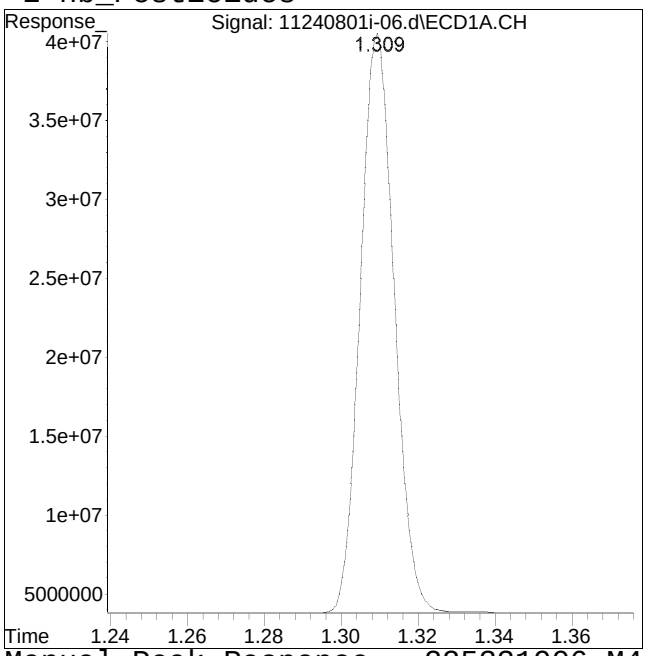
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 226564769



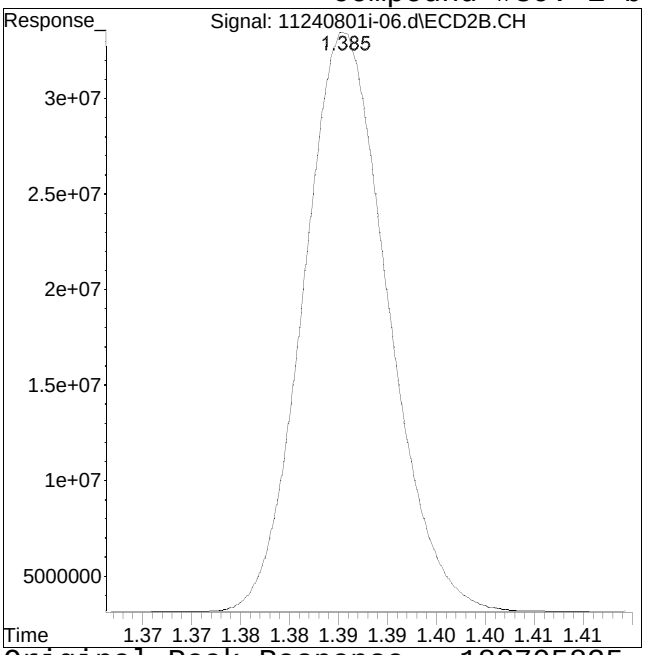
Manual Peak Response = 225331906 M4

M4 = Poor automated baseline construction.

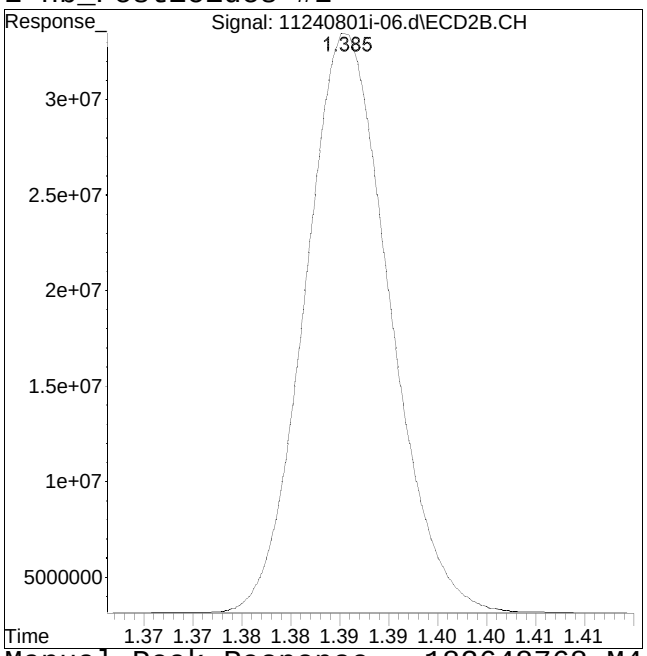
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 182705835



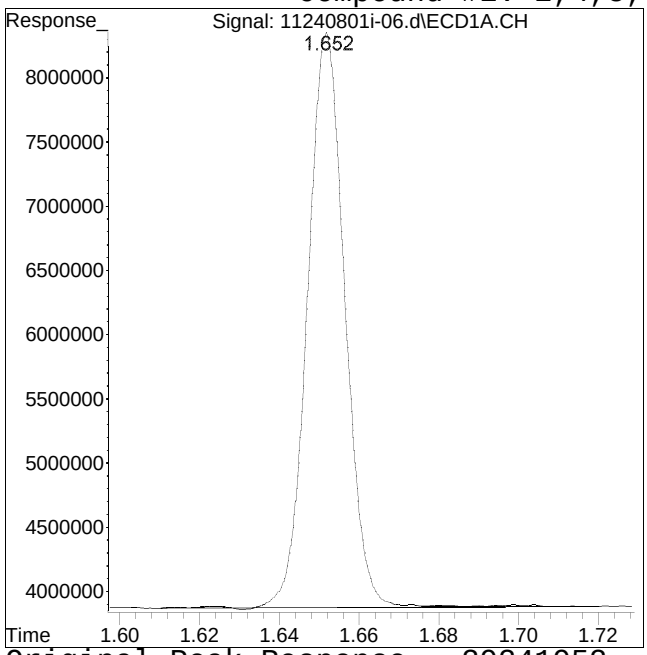
Manual Peak Response = 182648768 M4

M4 = Poor automated baseline construction.

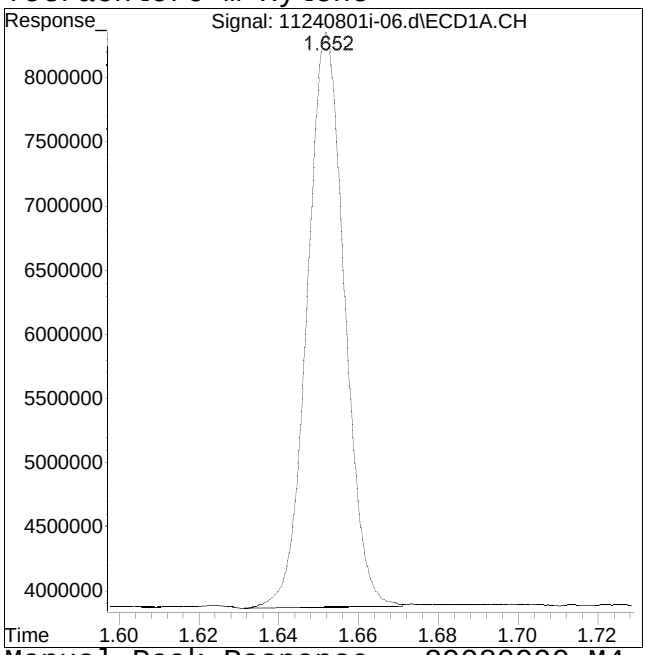
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 29241952



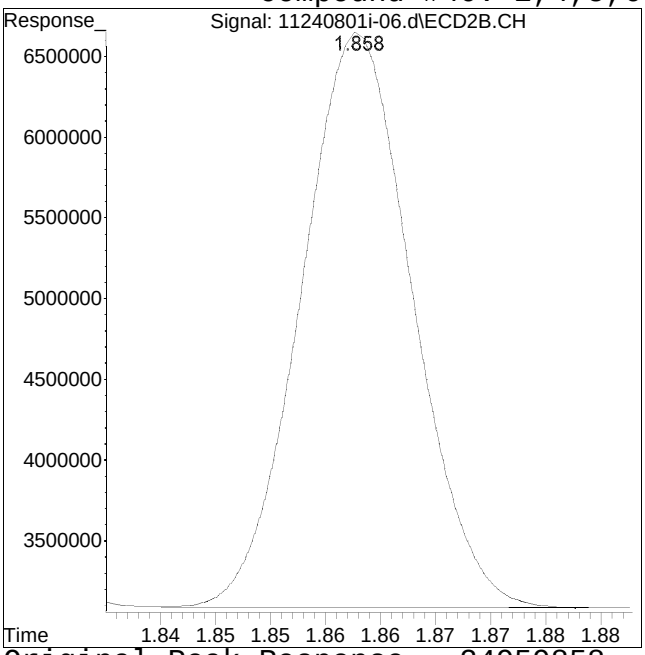
Manual Peak Response = 29080990 M4

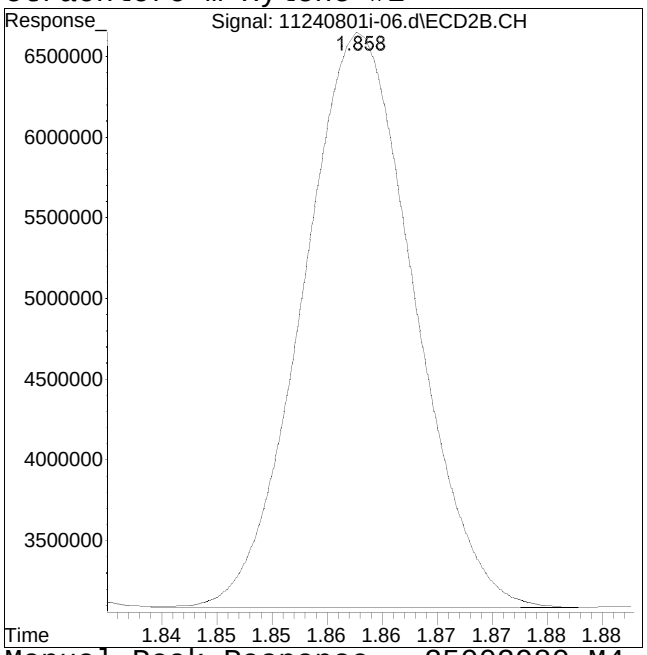
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



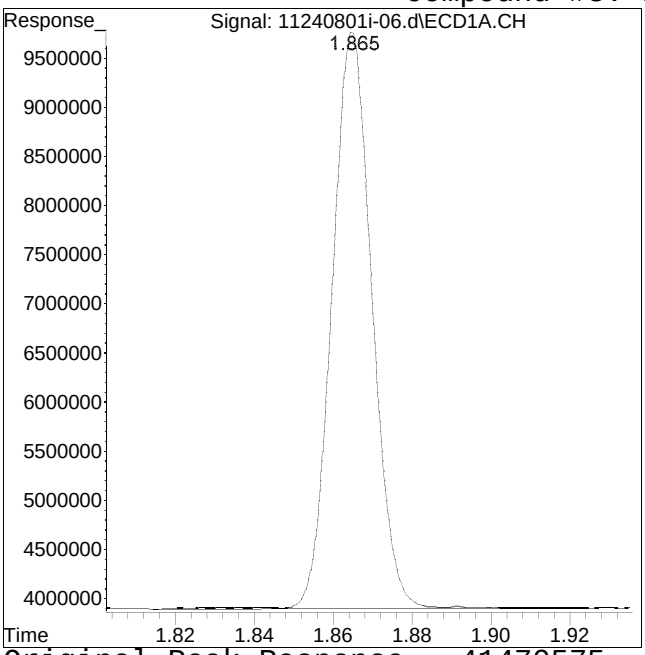


Original Peak Response = 24959858 Manual Peak Response = 25002980 M4
M4 = Poor automated baseline construction.

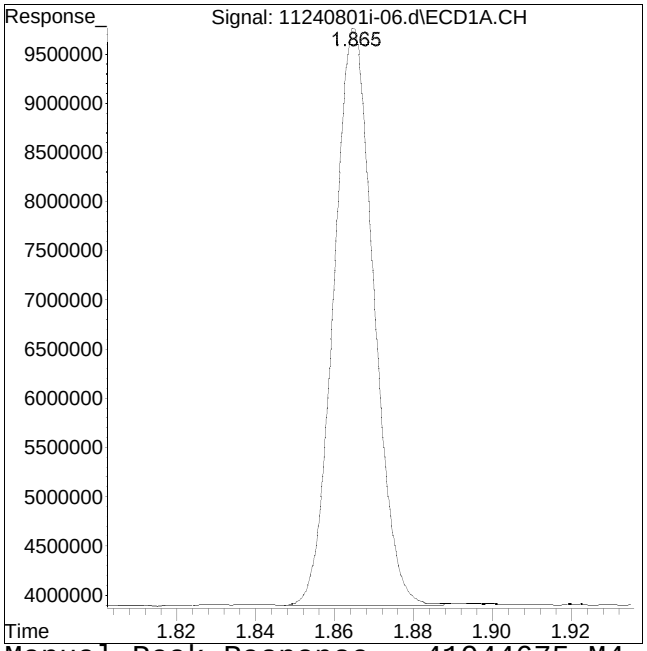
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #3: Hexachlorobenzene



Original Peak Response = 41470575



Manual Peak Response = 41044675 M4

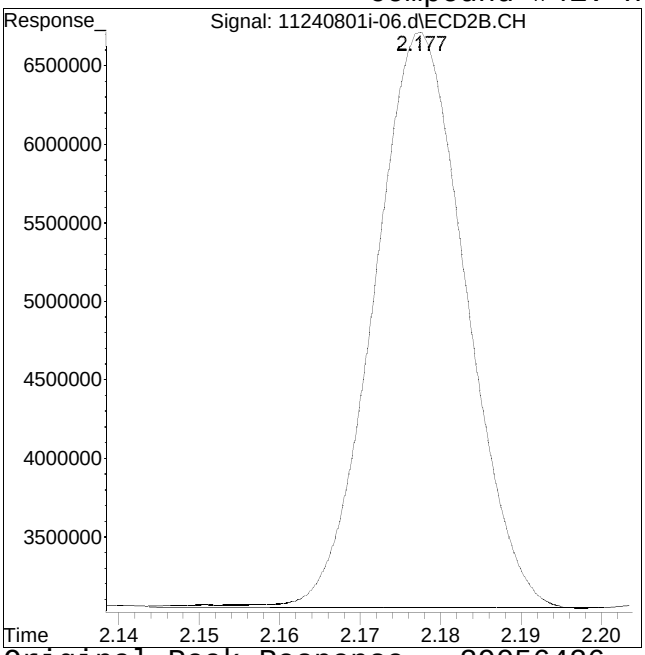
M4 = Poor automated baseline construction.

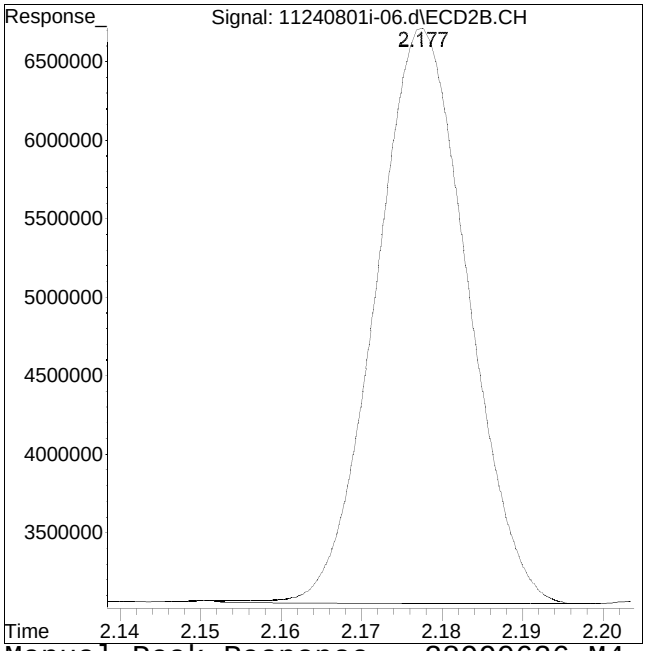
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #41: Hexachlorobenzene #2



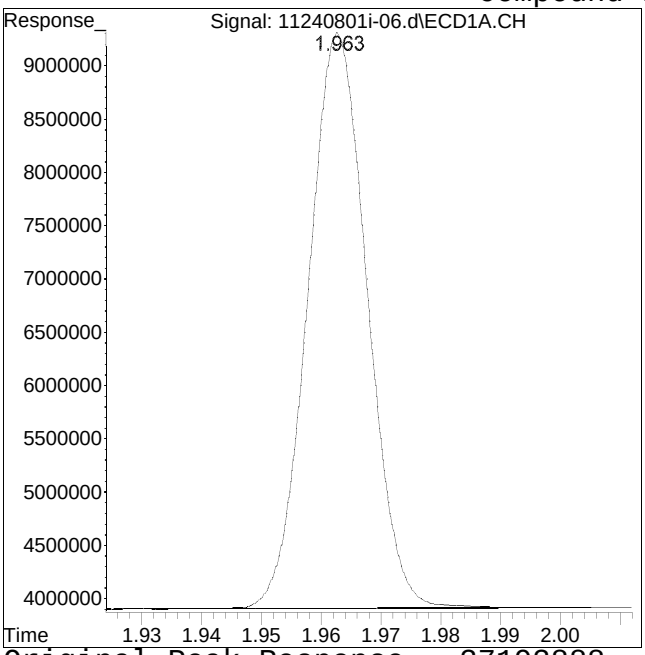


Original Peak Response = 29056426 Manual Peak Response = 28990626 M4
M4 = Poor automated baseline construction.

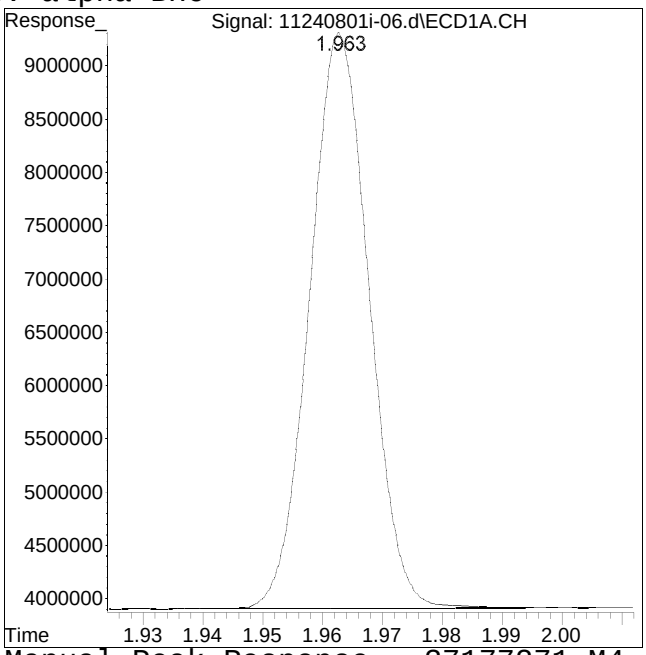
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #4: alpha-BHC



Original Peak Response = 37193888



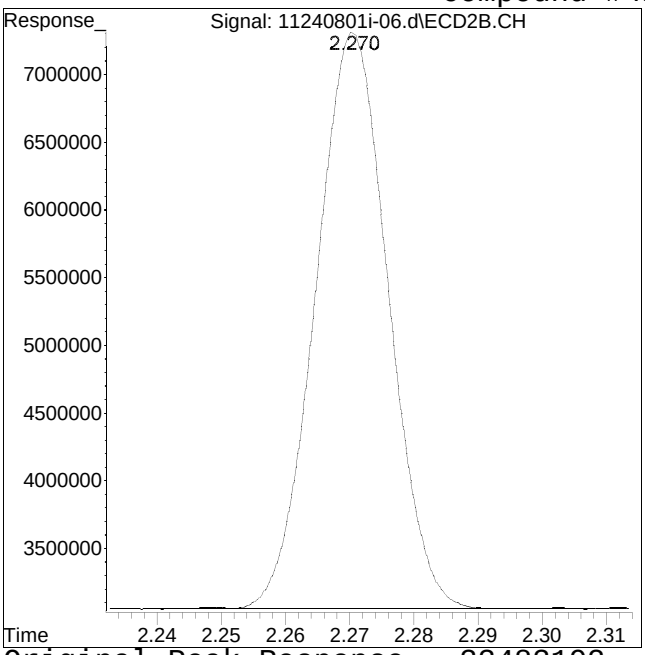
Manual Peak Response = 37177271 M4

M4 = Poor automated baseline construction.

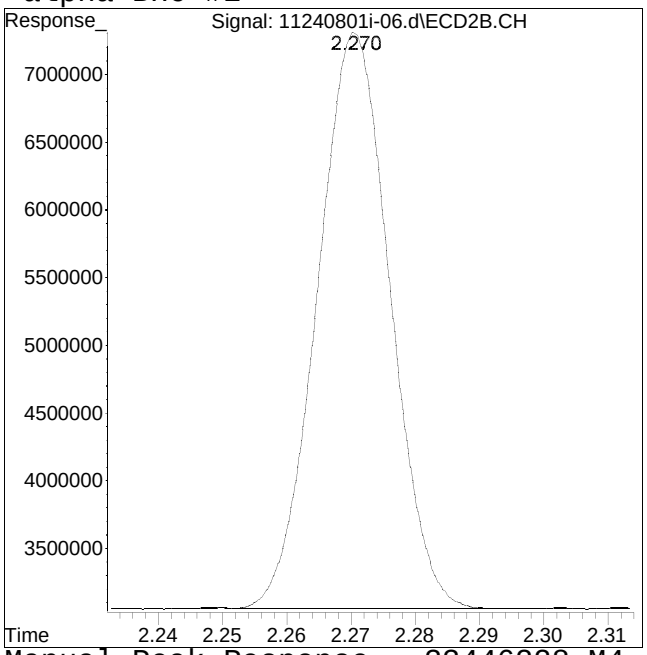
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #42: alpha-BHC #2



Original Peak Response = 33483192



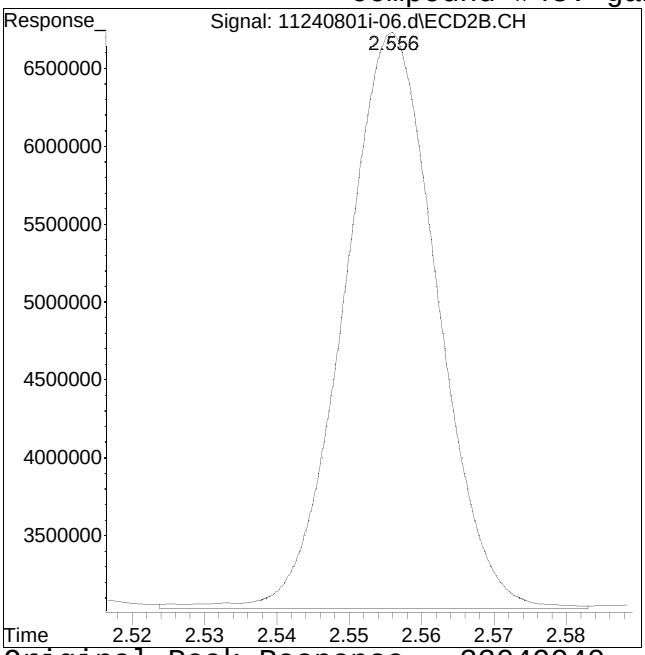
Manual Peak Response = 33446228 M4

M4 = Poor automated baseline construction.

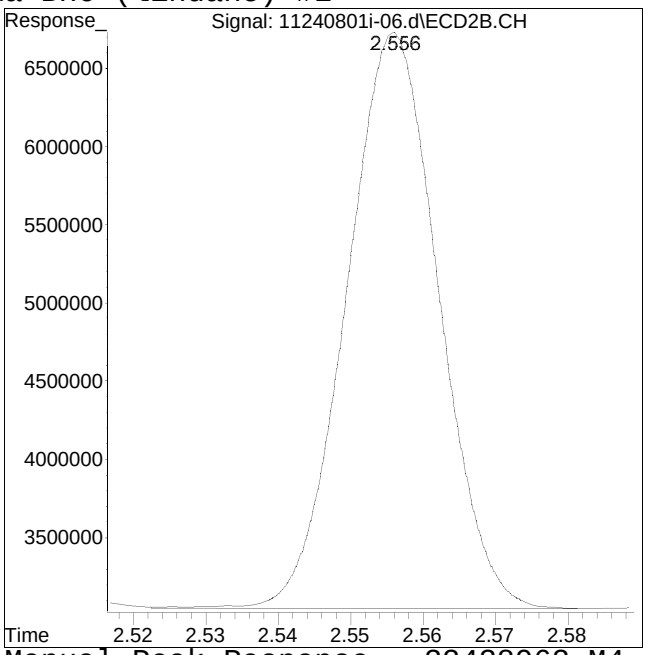
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 33049940



Manual Peak Response = 32438962 M4

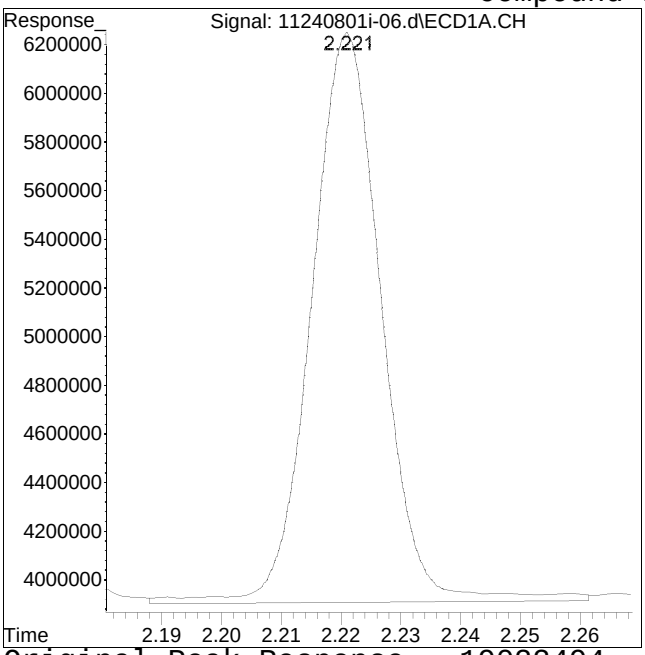
M4 = Poor automated baseline construction.

Manual Integration Report

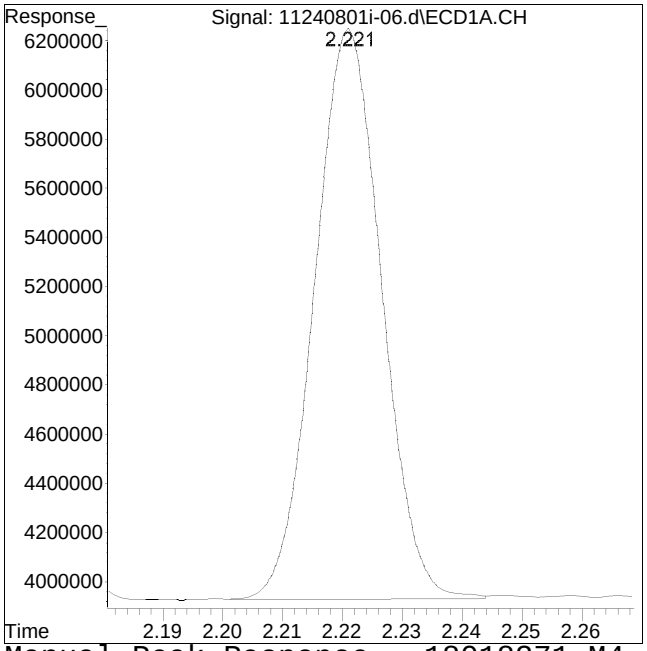
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #6: beta-BHC



Original Peak Response = 19022494



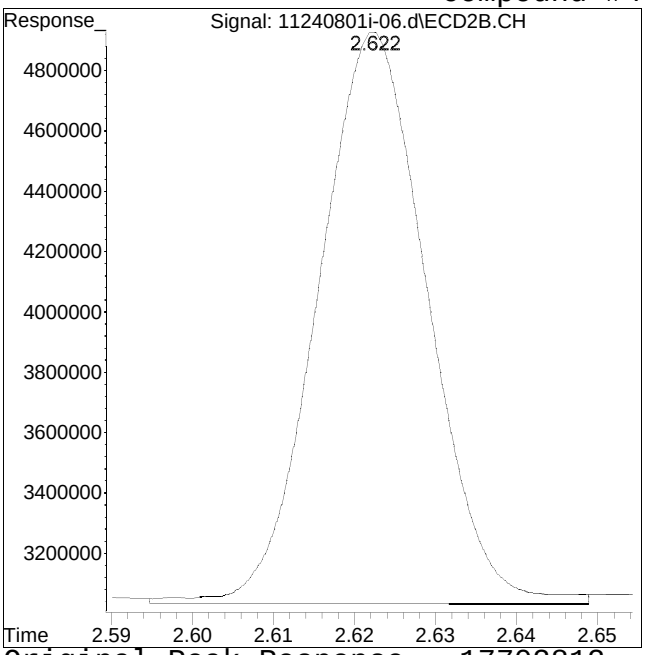
Manual Peak Response = 18018371 M4

M4 = Poor automated baseline construction.

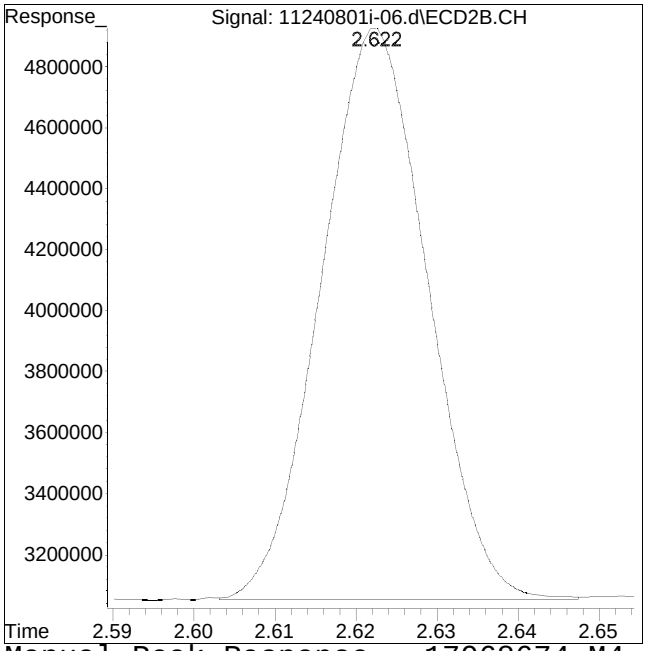
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #44: beta-BHC #2



Original Peak Response = 17702812



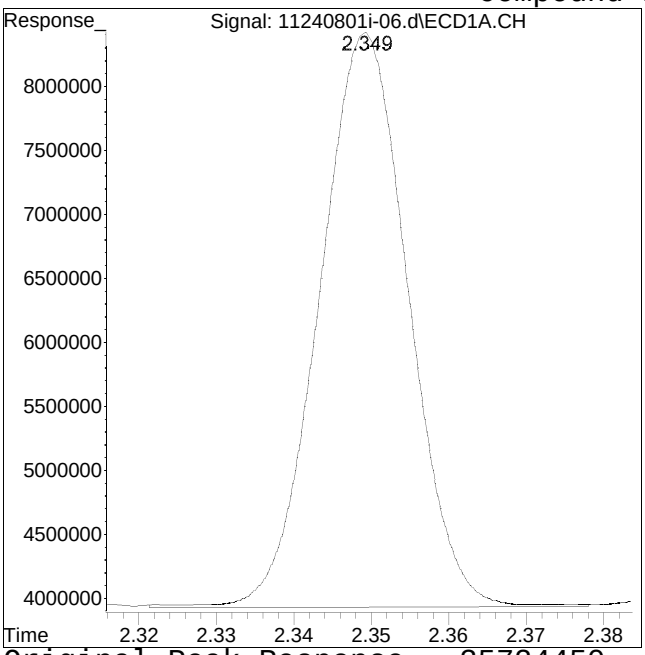
Manual Peak Response = 17068674 M4

M4 = Poor automated baseline construction.

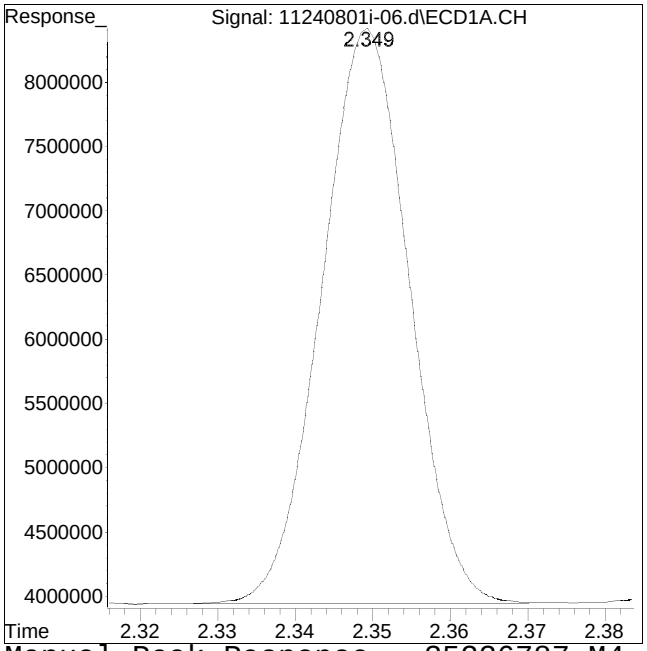
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #7: delta-BHC



Original Peak Response = 35724450



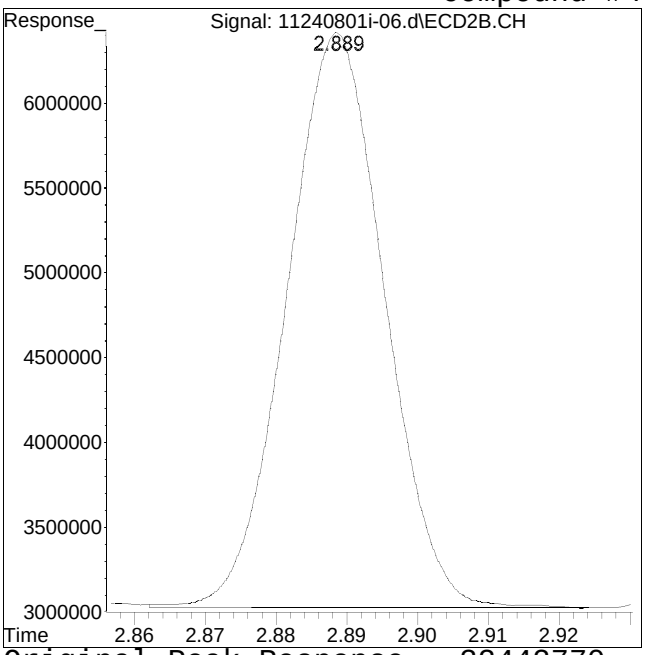
Manual Peak Response = 35236787 M4

M4 = Poor automated baseline construction.

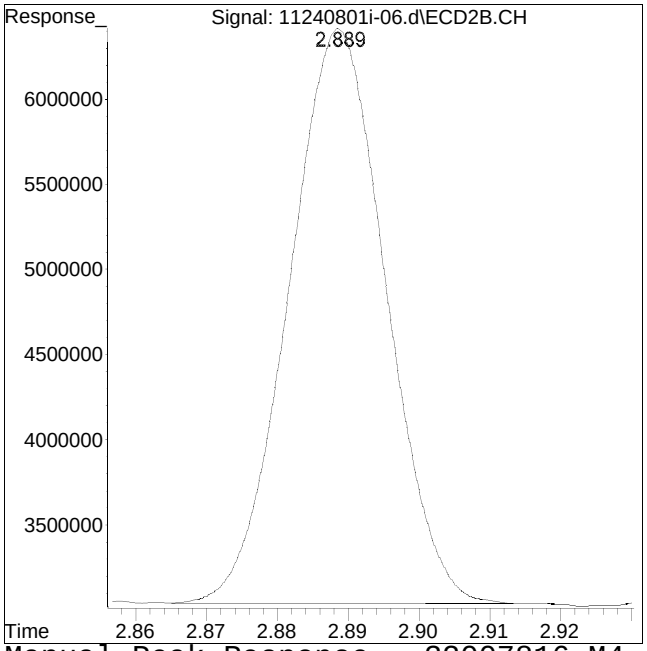
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #45: delta-BHC #2



Original Peak Response = 32442770



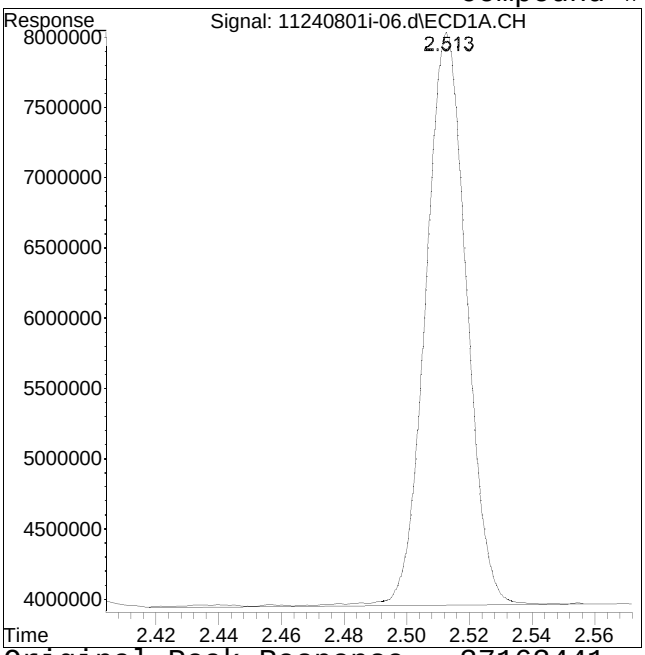
Manual Peak Response = 32007816 M4

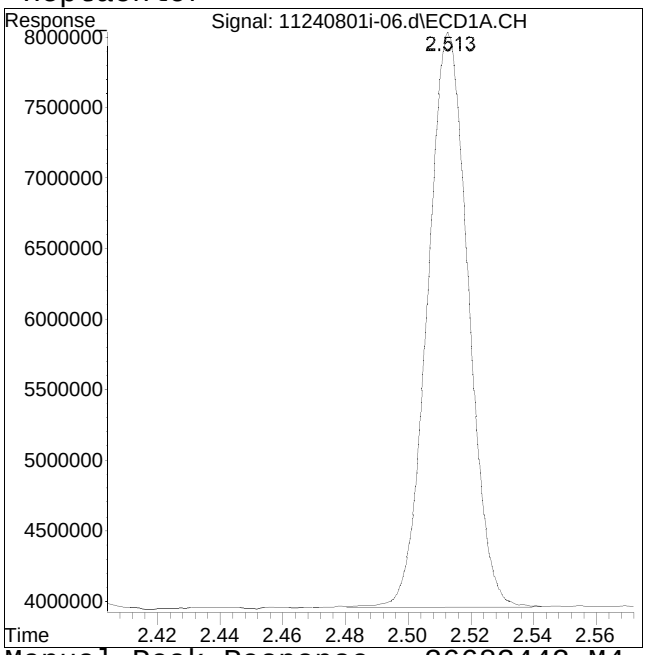
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #8: Heptachlor





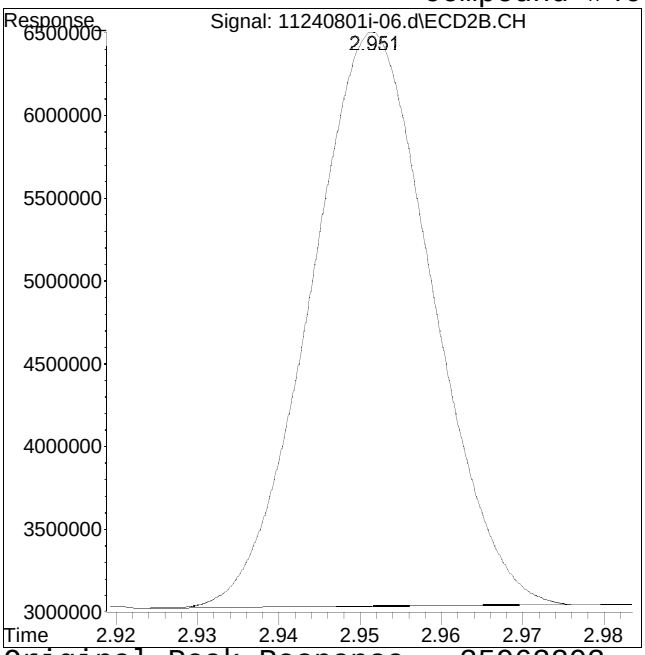
Original Peak Response = 37163441 Manual Peak Response = 36683442 M4
M4 = Poor automated baseline construction.

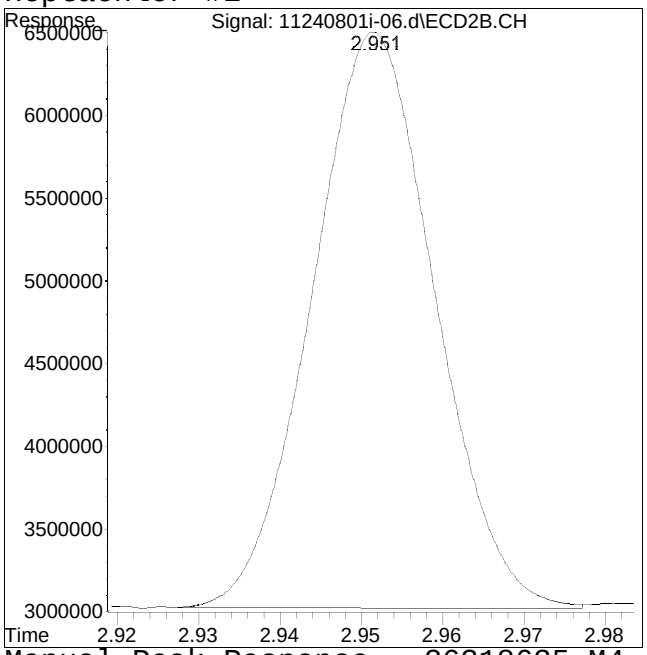
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #46: Heptachlor #2





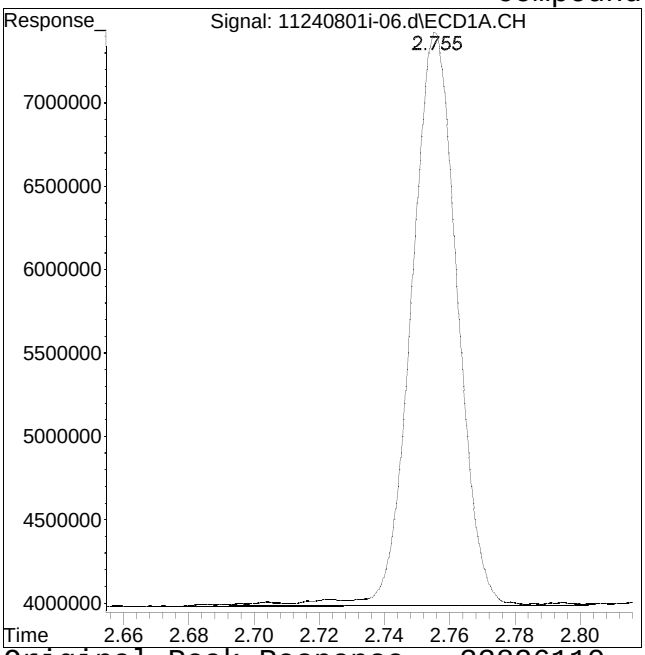
Original Peak Response = 35963293 Manual Peak Response = 36318635 M4
M4 = Poor automated baseline construction.

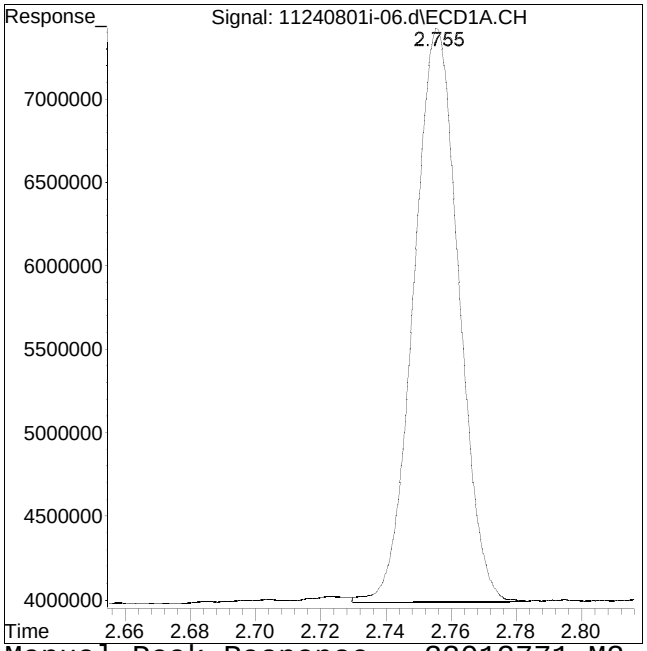
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #9: Aldrin





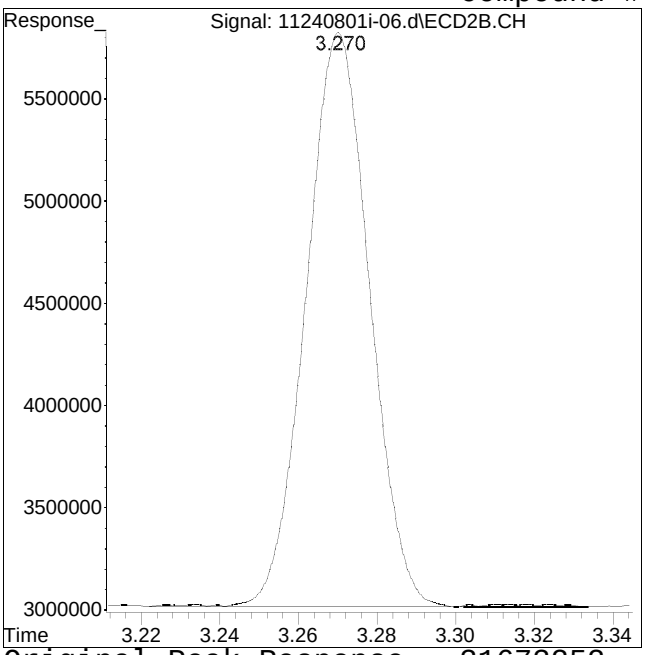
Original Peak Response = 33826110 Manual Peak Response = 33013771 M3

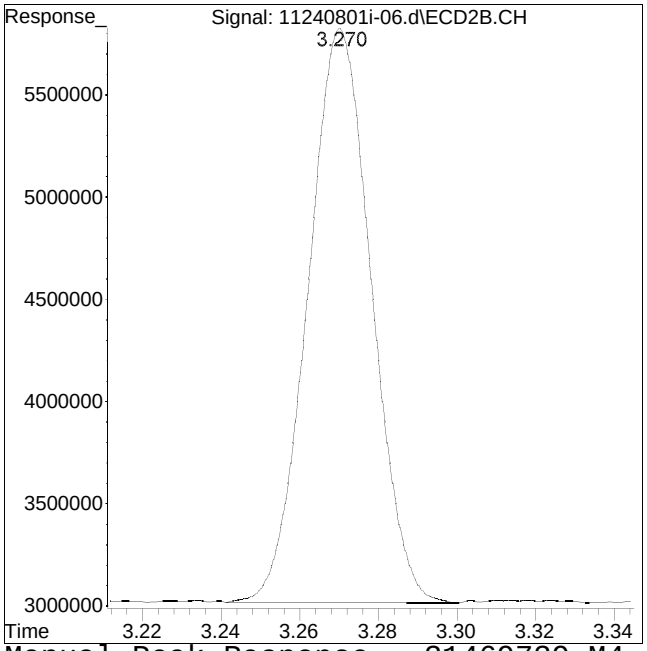
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #47: Aldrin #2





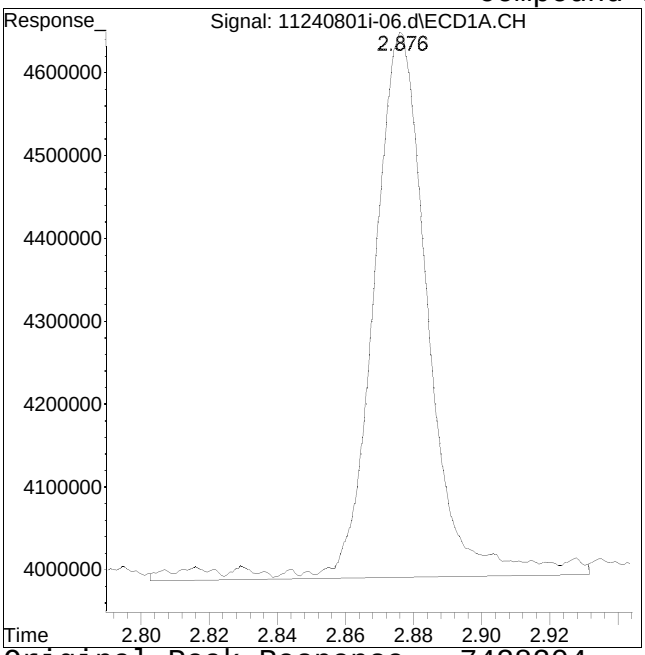
Original Peak Response = 31673252 Manual Peak Response = 31469739 M4
M4 = Poor automated baseline construction.

Manual Integration Report

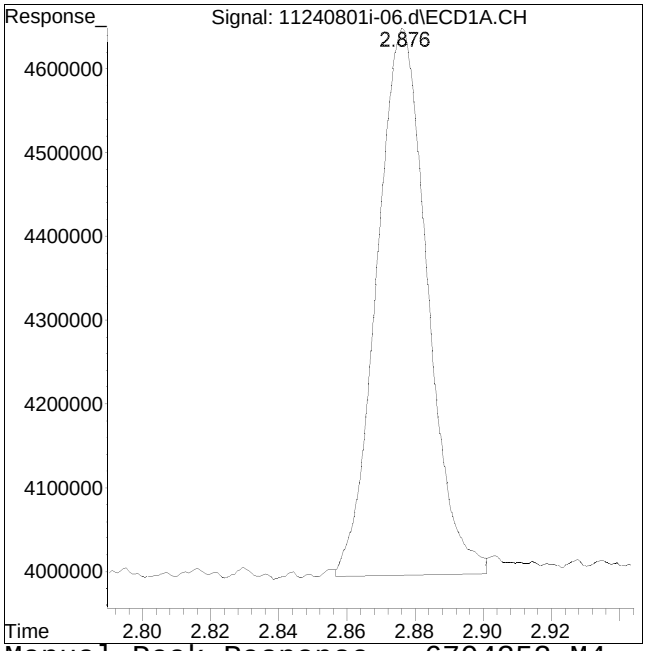
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #10: Alachlor



Original Peak Response = 7428204



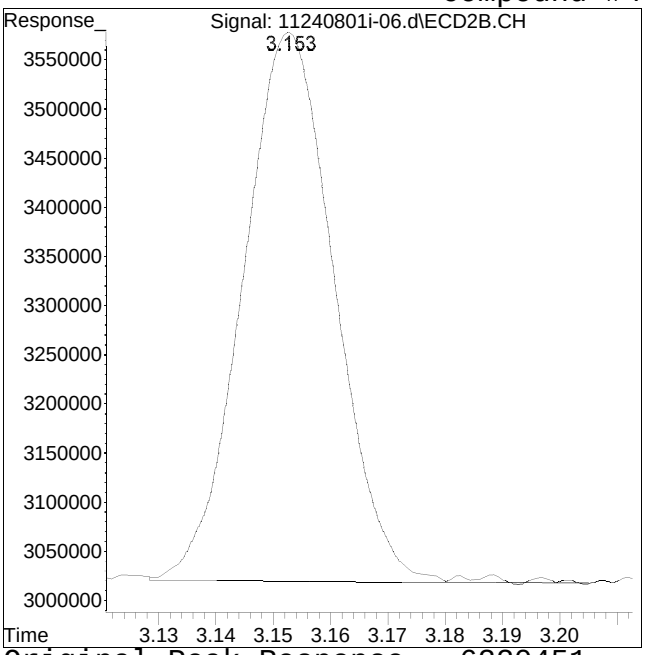
Manual Peak Response = 6704352 M4

M4 = Poor automated baseline construction.

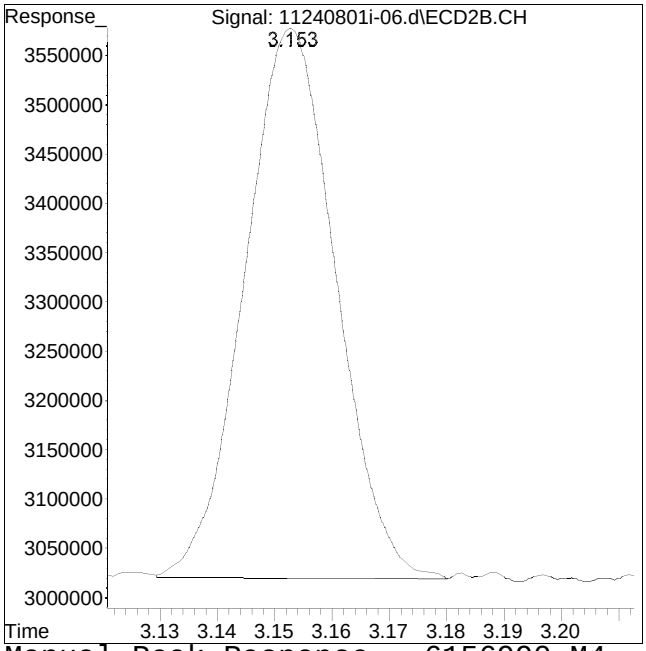
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #48: Alachlor #2



Original Peak Response = 6220451



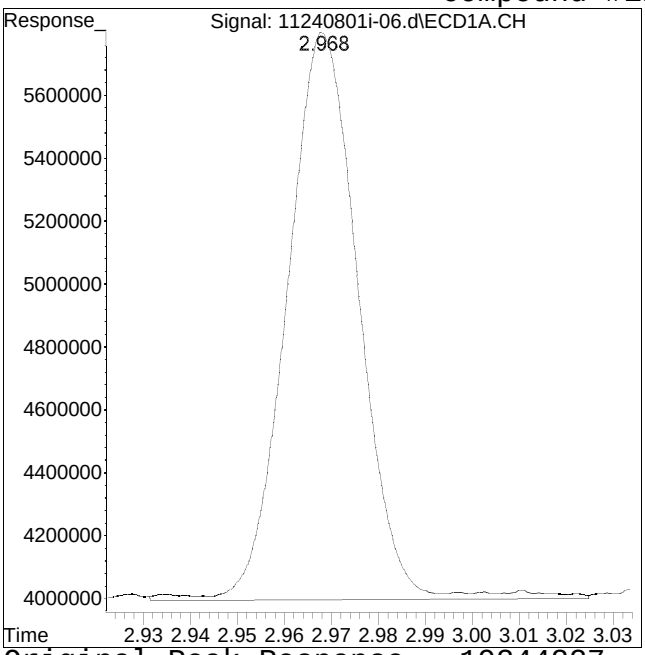
Manual Peak Response = 6156990 M4

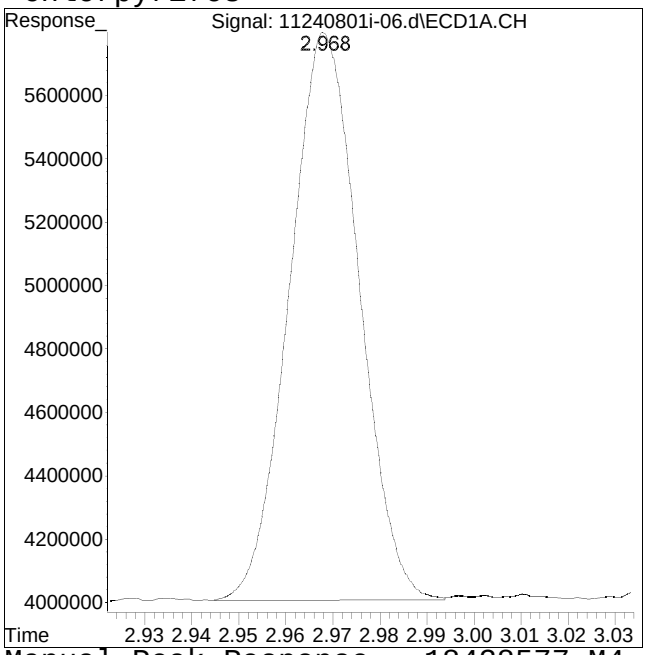
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #11: Chlorpyrifos



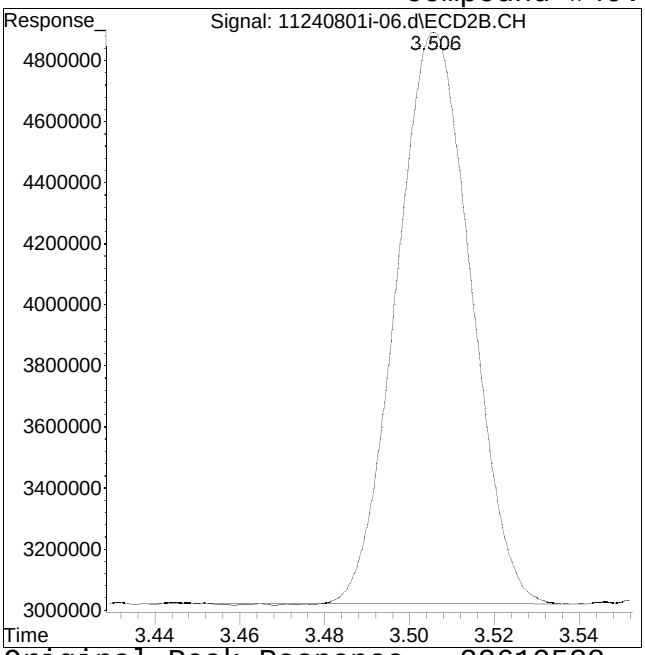


Original Peak Response = 19244227 Manual Peak Response = 18438577 M4
M4 = Poor automated baseline construction.

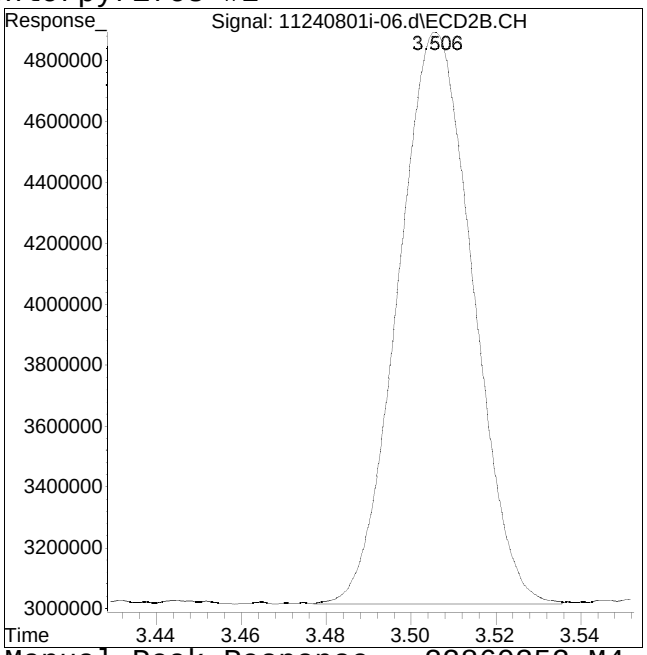
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 22610538



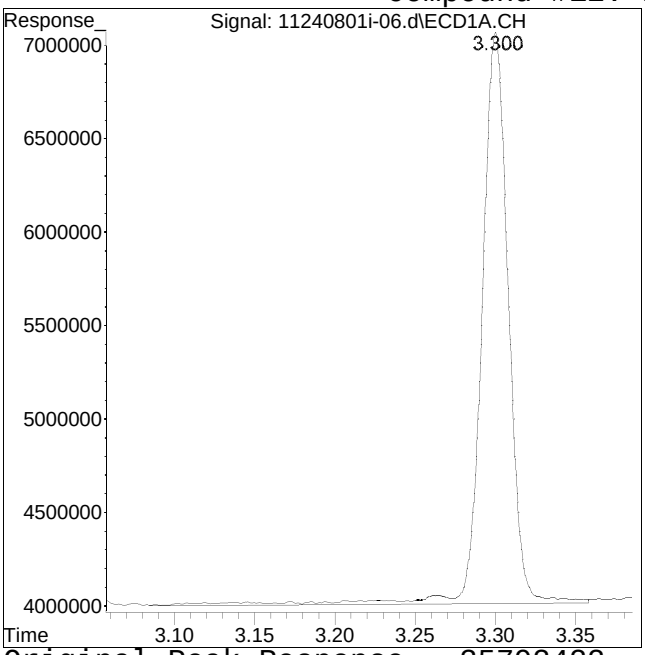
Manual Peak Response = 22860352 M4

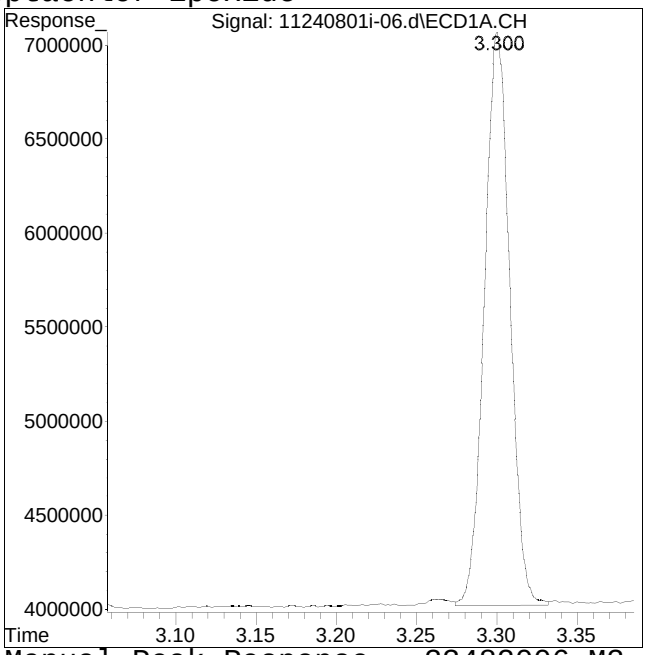
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #12: Heptachlor Epoxide



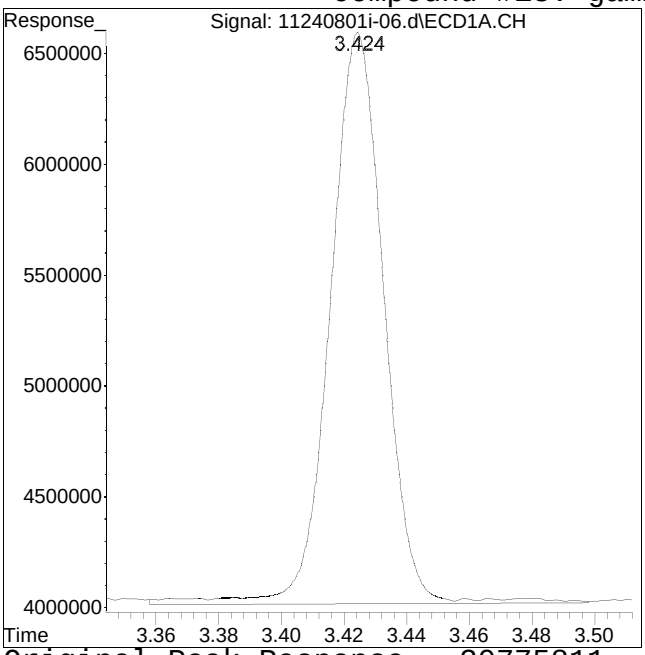


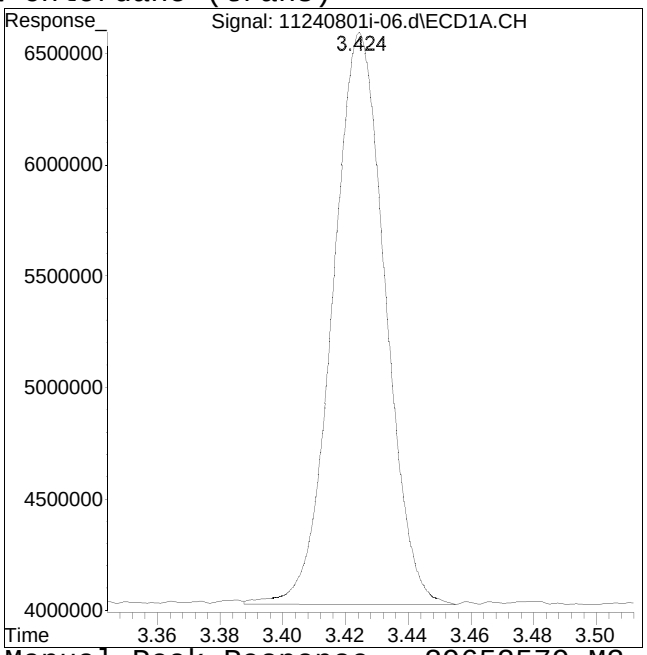
Original Peak Response = 35792422 Manual Peak Response = 33482006 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #13: gamma-Chlordane (trans)



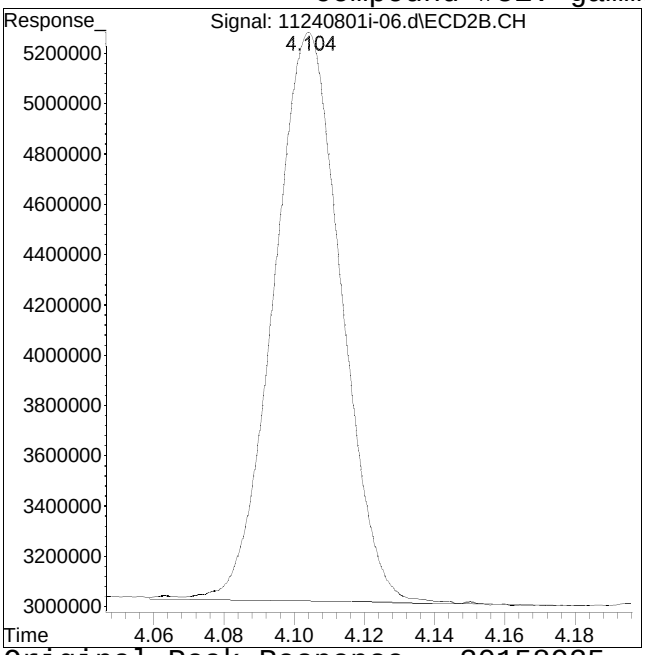


Original Peak Response = 30775811 Manual Peak Response = 29652579 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

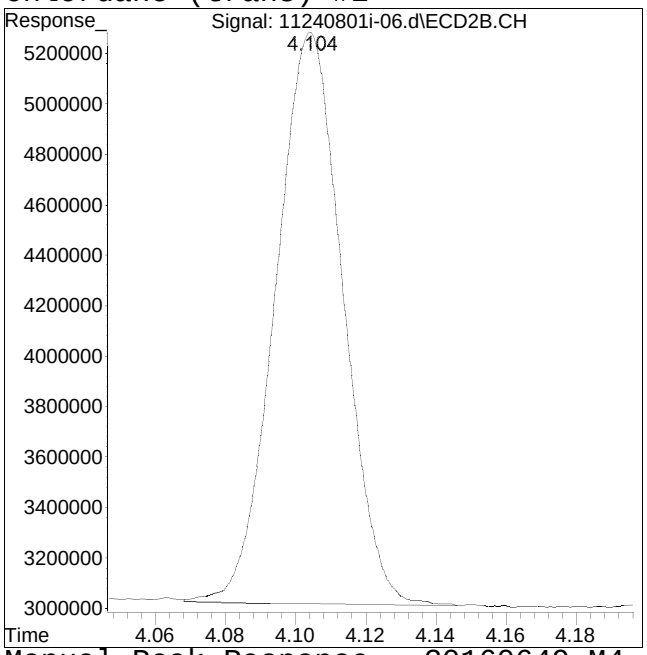
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 30158935



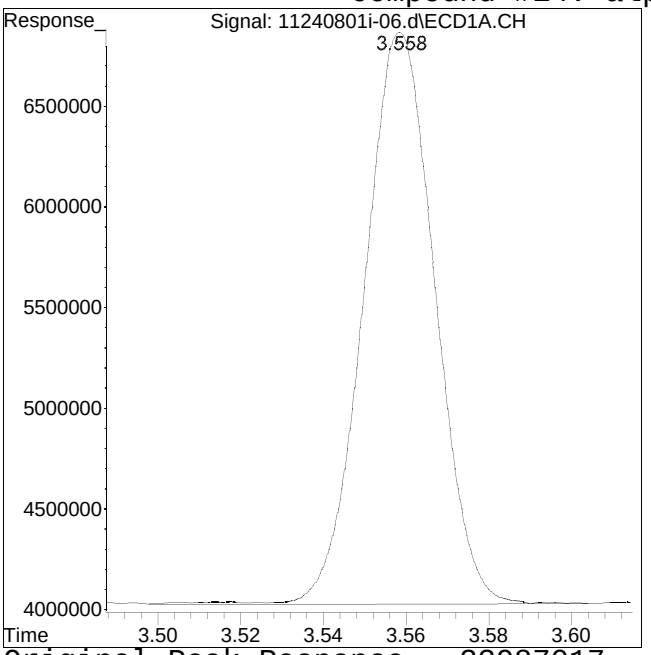
Manual Peak Response = 30160649 M4

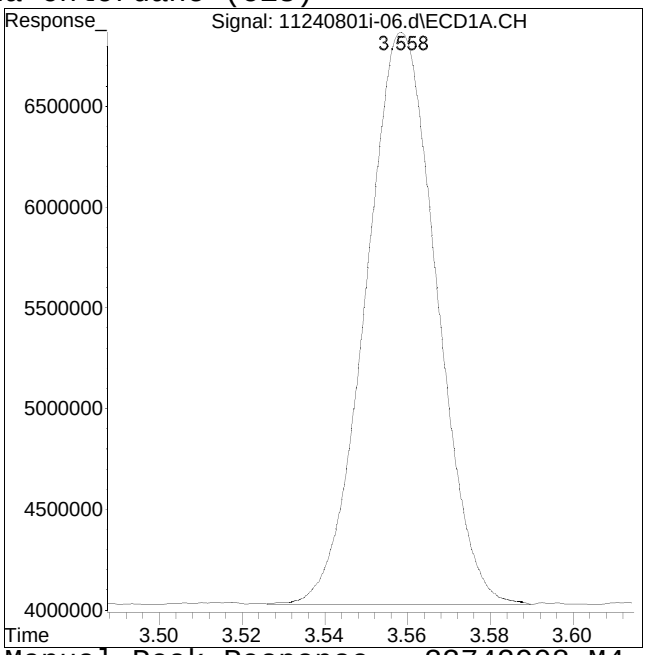
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #14: alpha-Chlordane (cis)





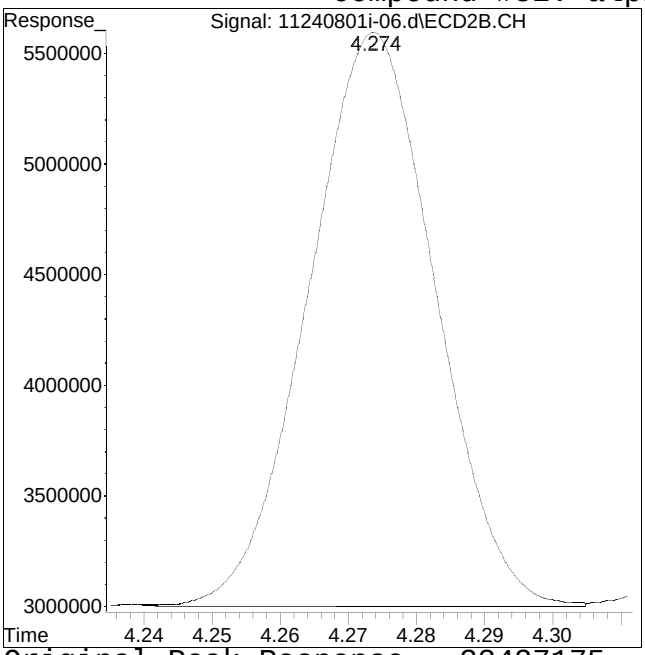
Original Peak Response = 33987017 Manual Peak Response = 33742908 M4
M4 = Poor automated baseline construction.

Manual Integration Report

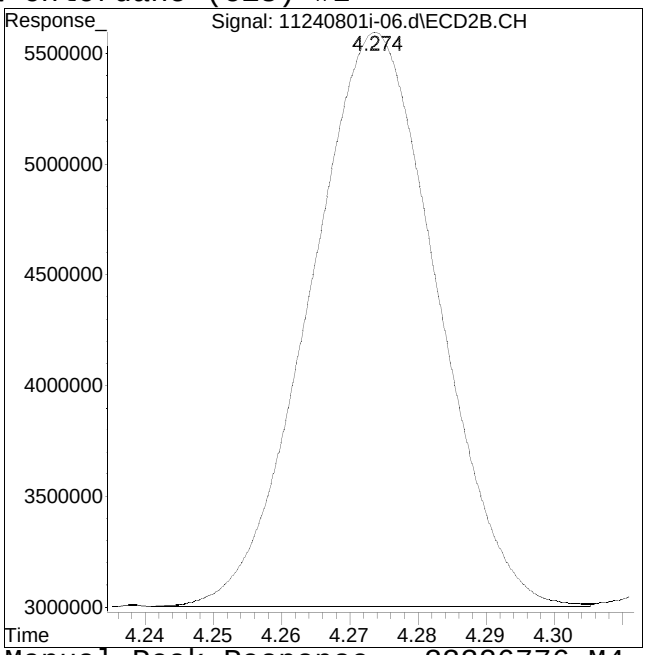
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 33427175



Manual Peak Response = 33326776 M4

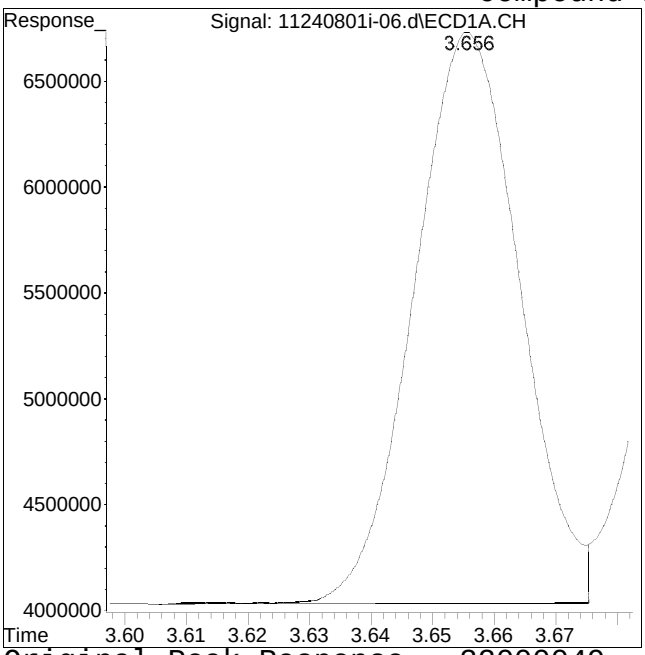
M4 = Poor automated baseline construction.

Manual Integration Report

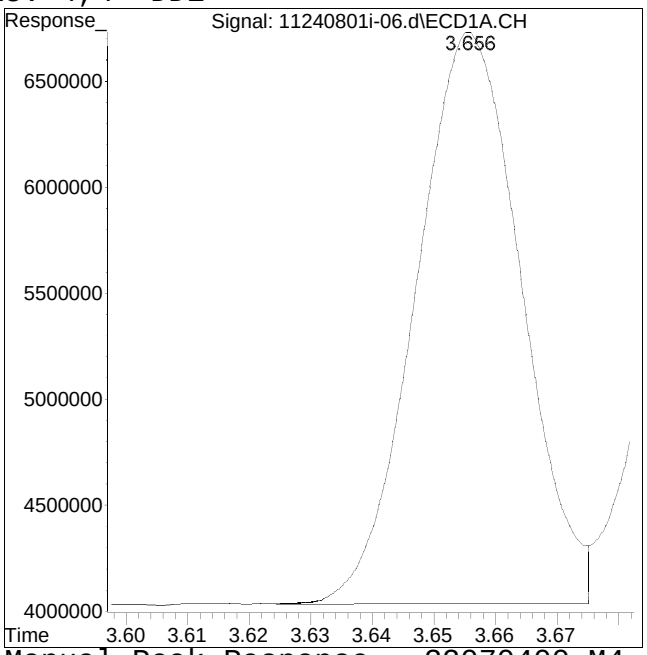
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #15: 4,4'-DDE



Original Peak Response = 32000049



Manual Peak Response = 32070400 M4

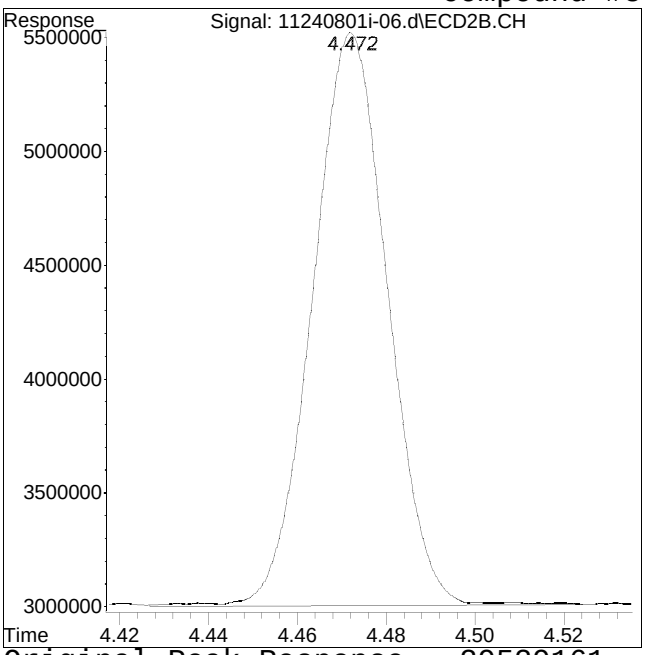
M4 = Poor automated baseline construction.

Manual Integration Report

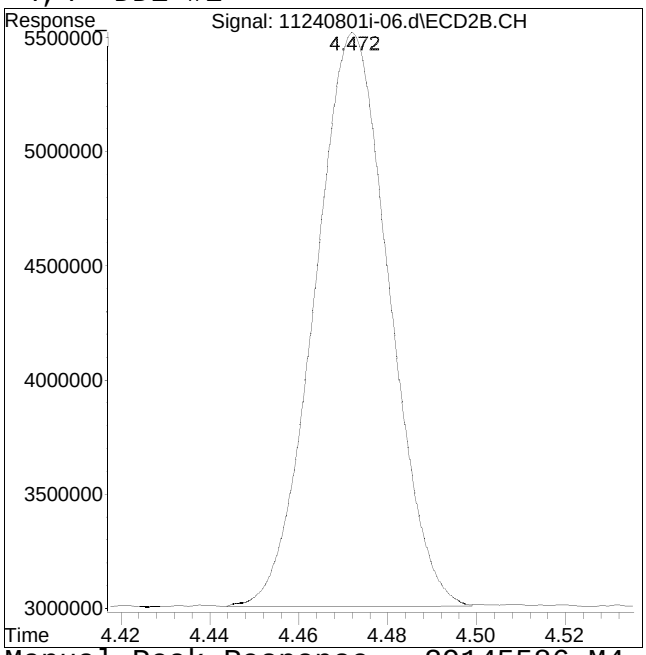
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 29529161



Manual Peak Response = 29145586 M4

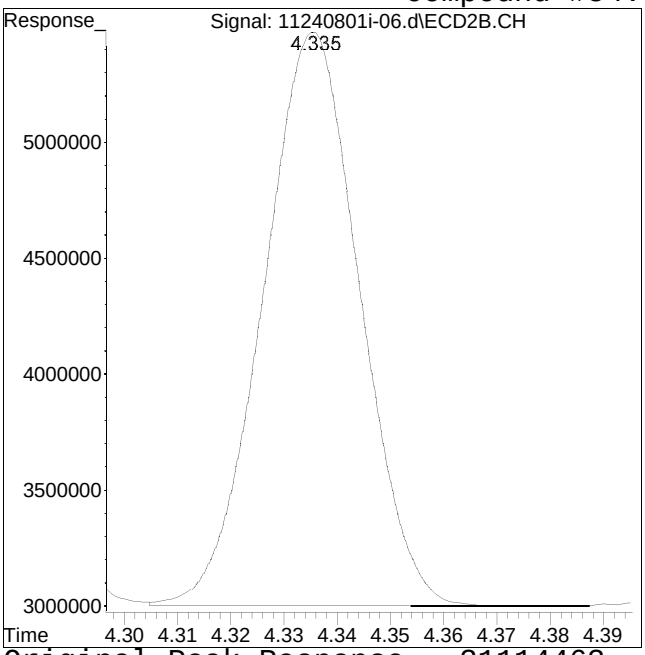
M4 = Poor automated baseline construction.

Manual Integration Report

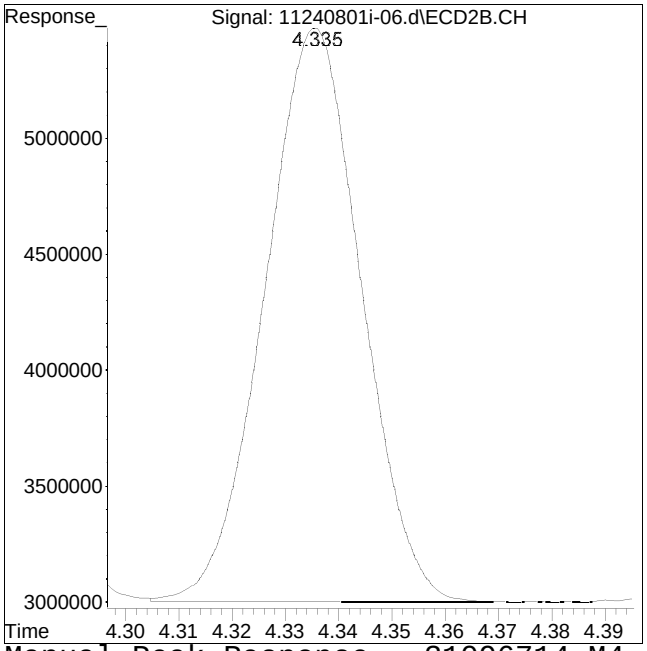
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #54: Endosulfan I #2



Original Peak Response = 31114463



Manual Peak Response = 31096714 M4

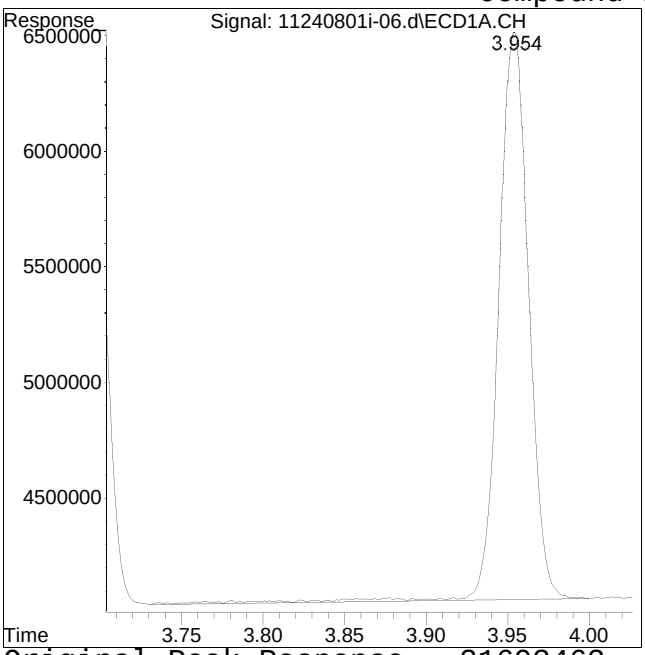
M4 = Poor automated baseline construction.

Manual Integration Report

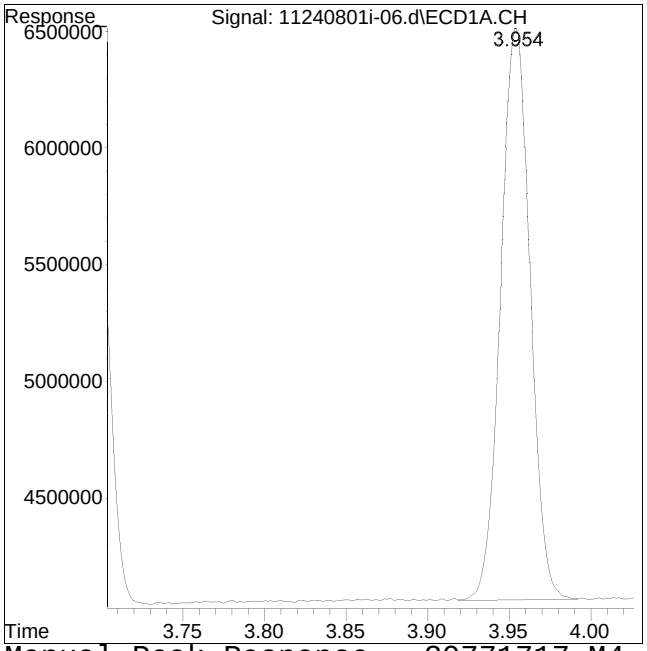
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #17: Dieldrin



Original Peak Response = 31693463



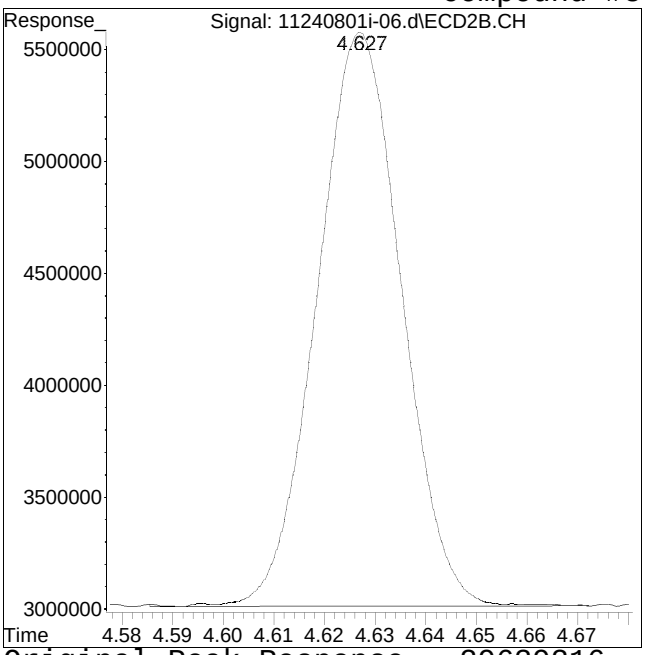
Manual Peak Response = 30771717 M4

M4 = Poor automated baseline construction.

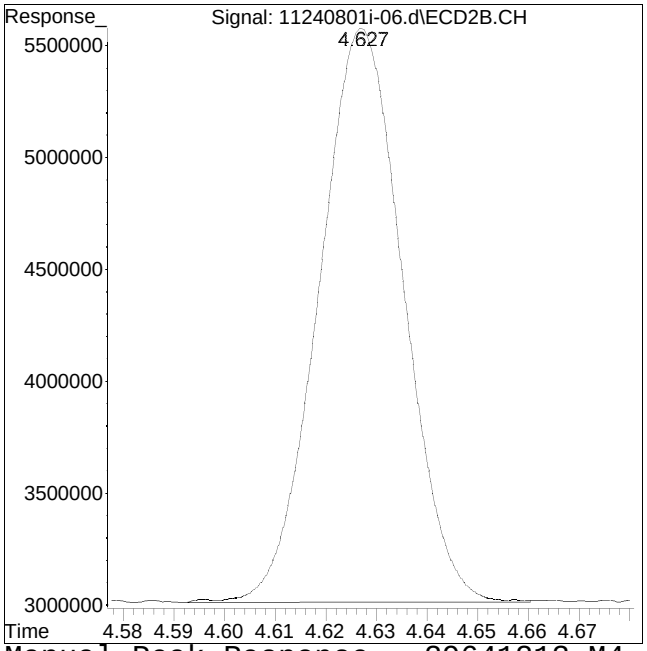
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #55: Dieldrin #2



Original Peak Response = 29639216



Manual Peak Response = 29641213 M4

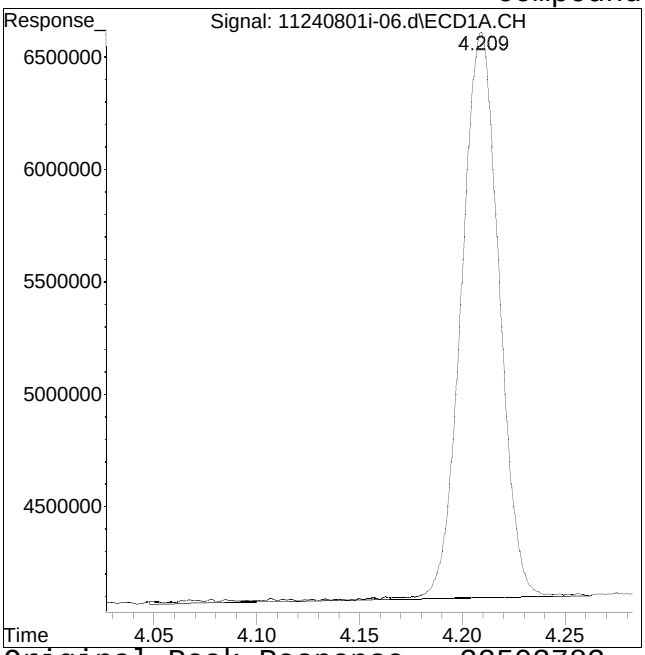
M4 = Poor automated baseline construction.

Manual Integration Report

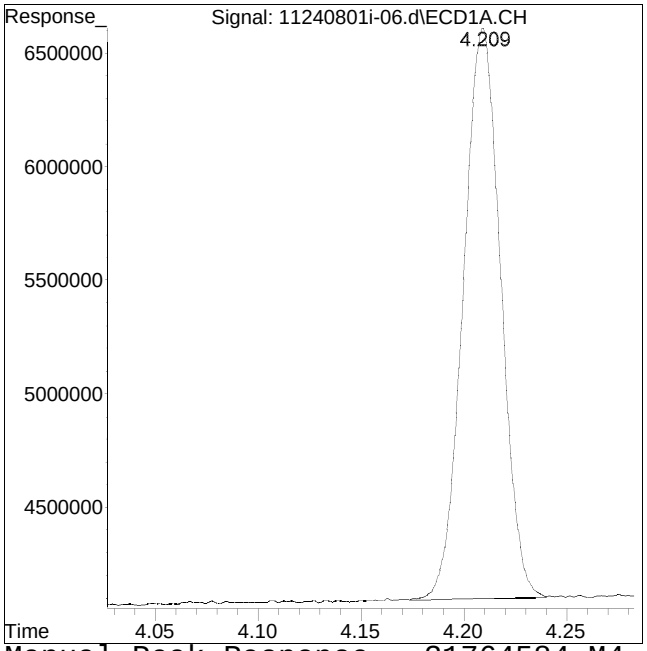
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #18: Endrin



Original Peak Response = 32503783



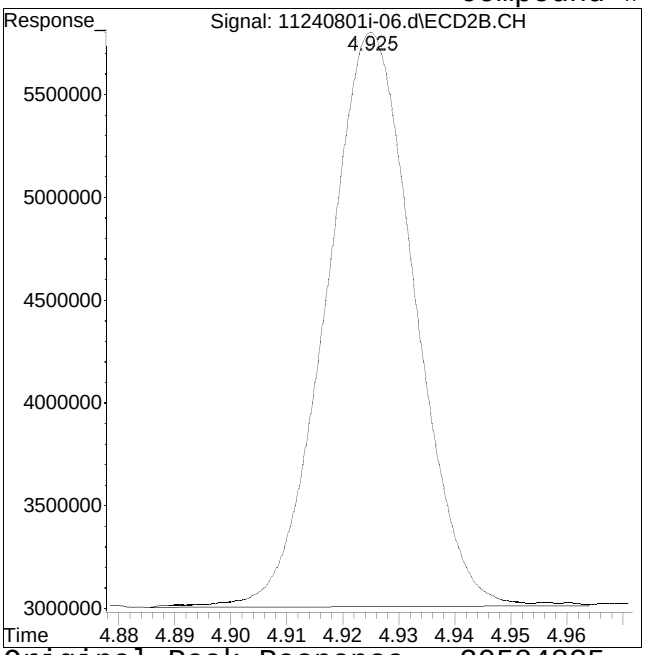
Manual Peak Response = 31764584 M4

M4 = Poor automated baseline construction.

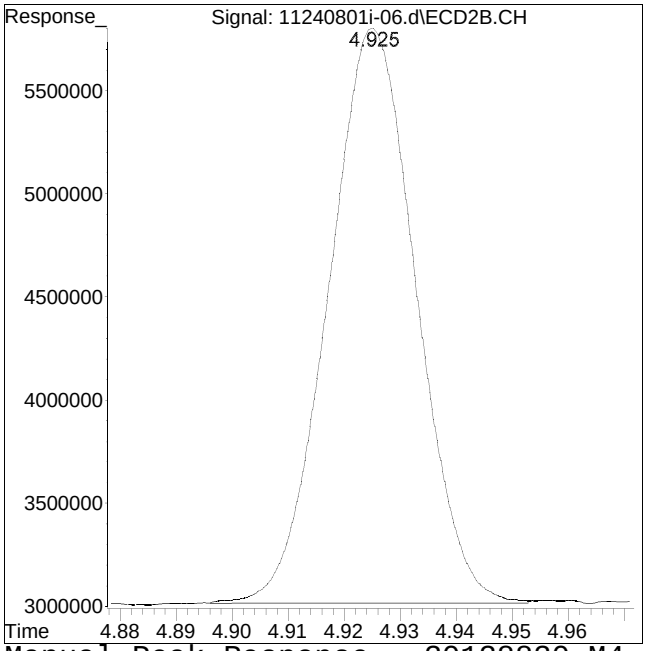
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #56: Endrin #2



Original Peak Response = 30584835



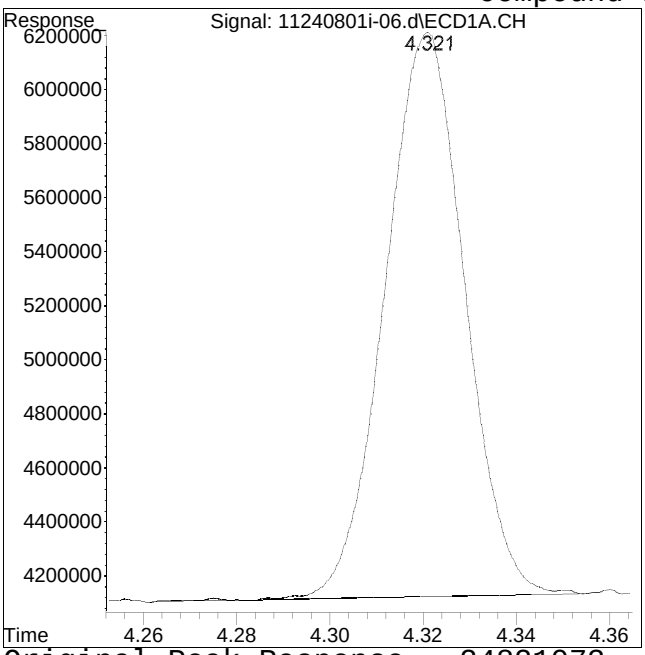
Manual Peak Response = 30138830 M4

M4 = Poor automated baseline construction.

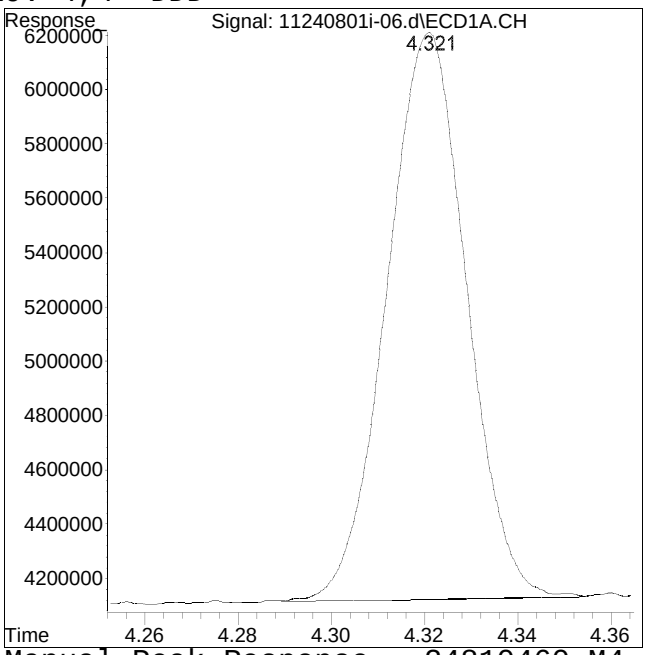
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #19: 4,4'-DDD



Original Peak Response = 24821073



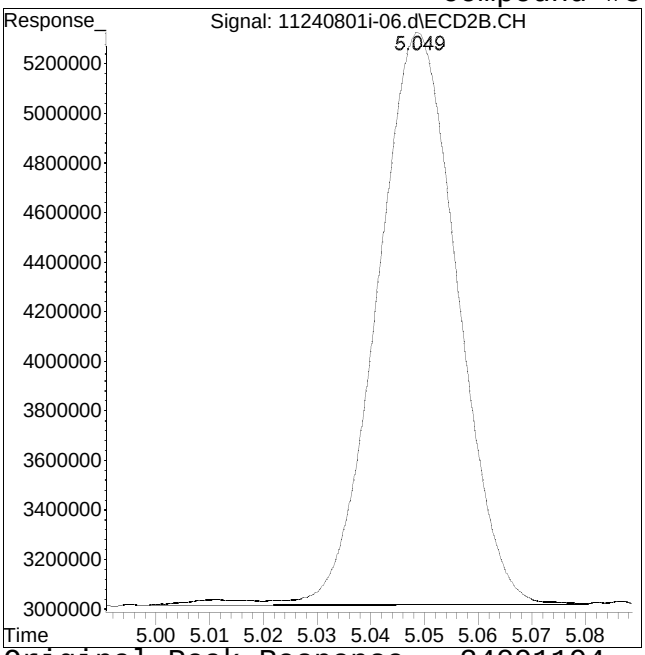
Manual Peak Response = 24810460 M4

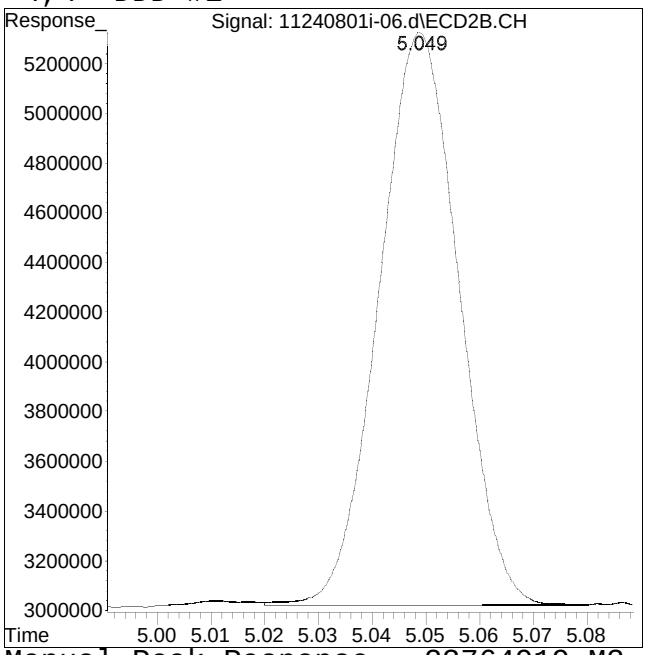
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #57: 4,4'-DDD #2





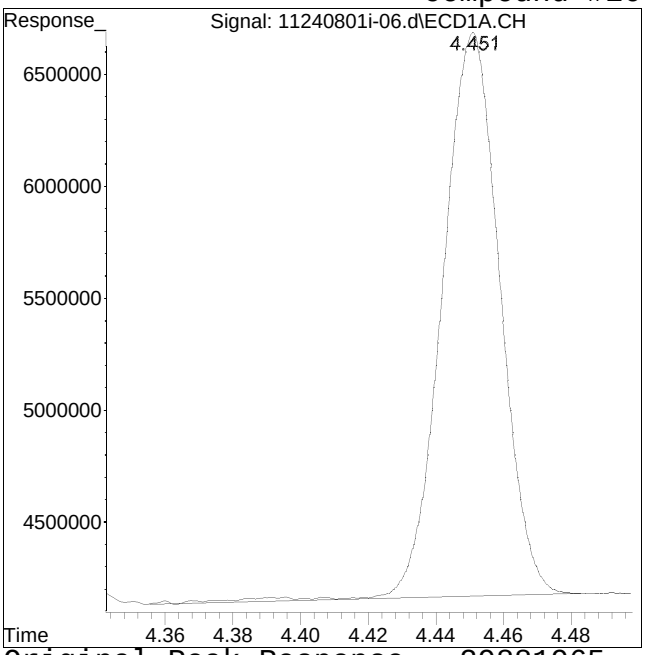
Original Peak Response = 24091194 Manual Peak Response = 23764919 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

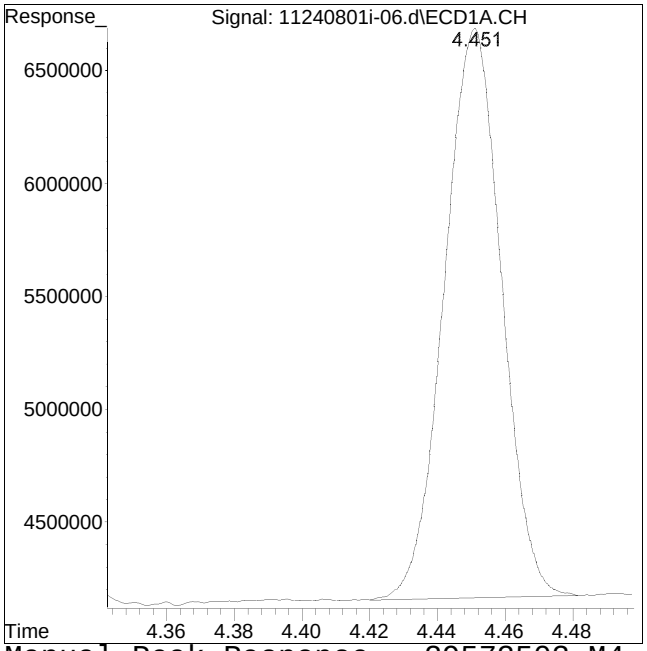
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #20: Endosulfan II



Original Peak Response = 29881965



Manual Peak Response = 29573503 M4

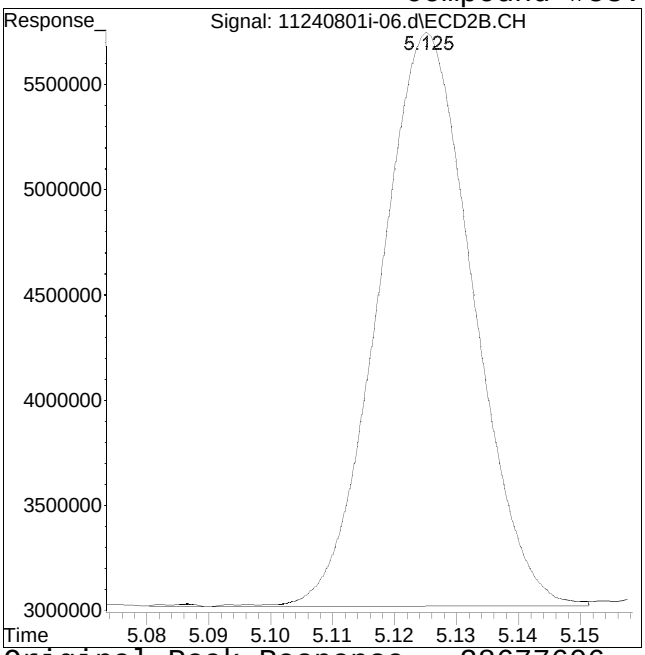
M4 = Poor automated baseline construction.

Manual Integration Report

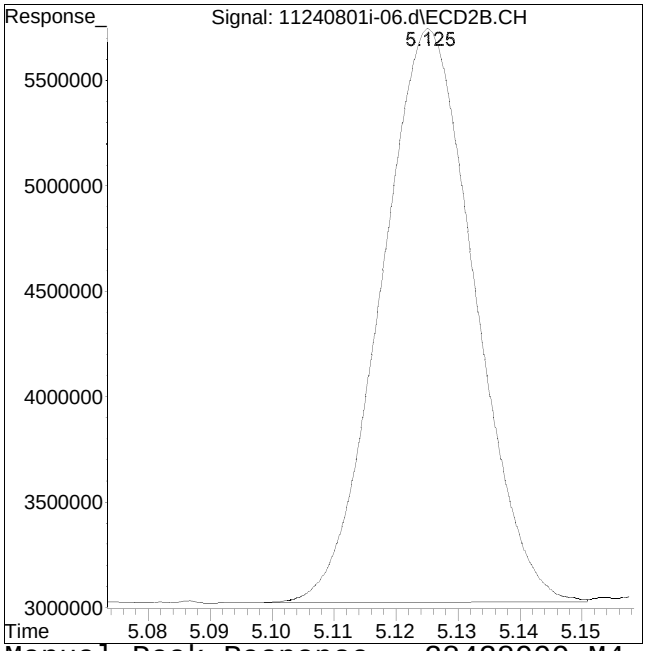
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #58: Endosulfan II #2



Original Peak Response = 28677606



Manual Peak Response = 28438999 M4

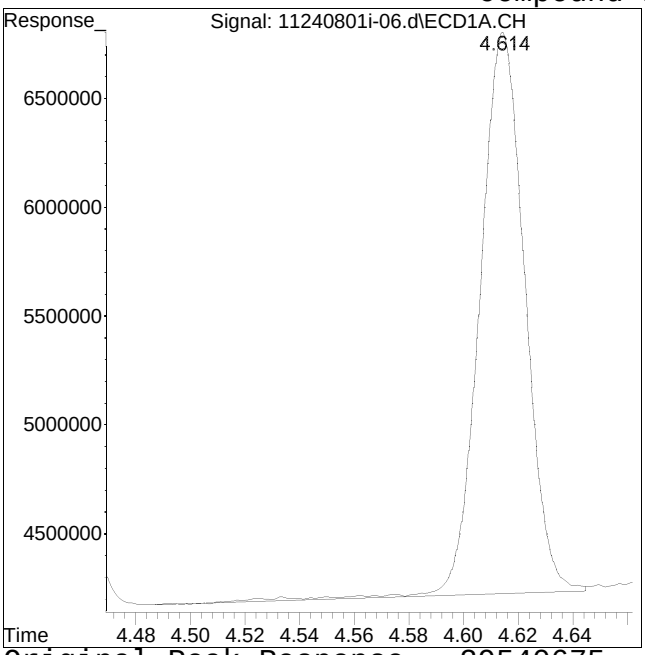
M4 = Poor automated baseline construction.

Manual Integration Report

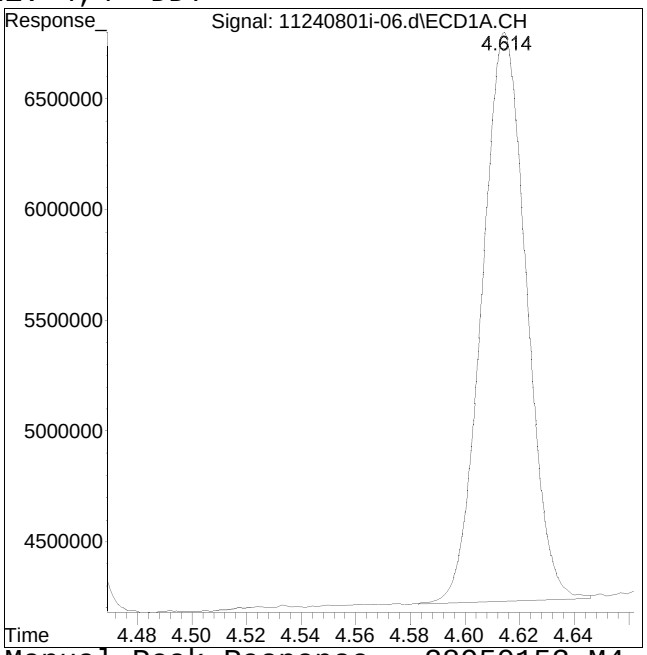
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #21: 4,4'-DDT



Original Peak Response = 29540675



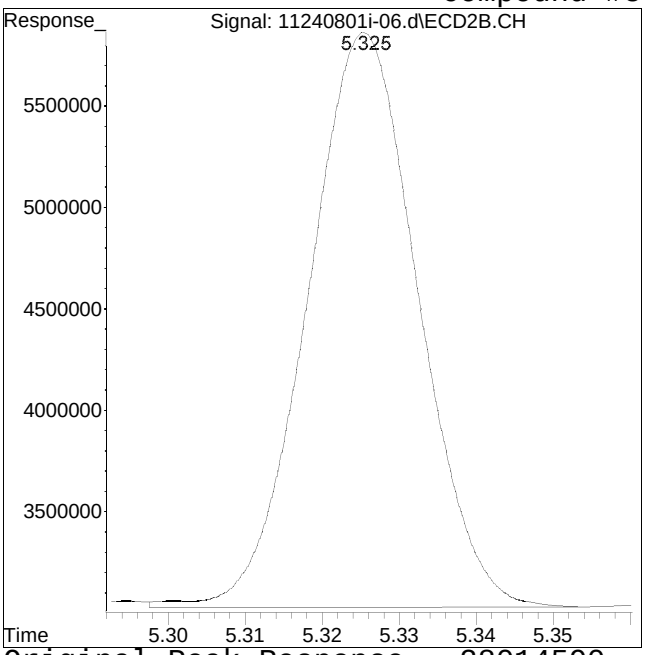
Manual Peak Response = 28950153 M4

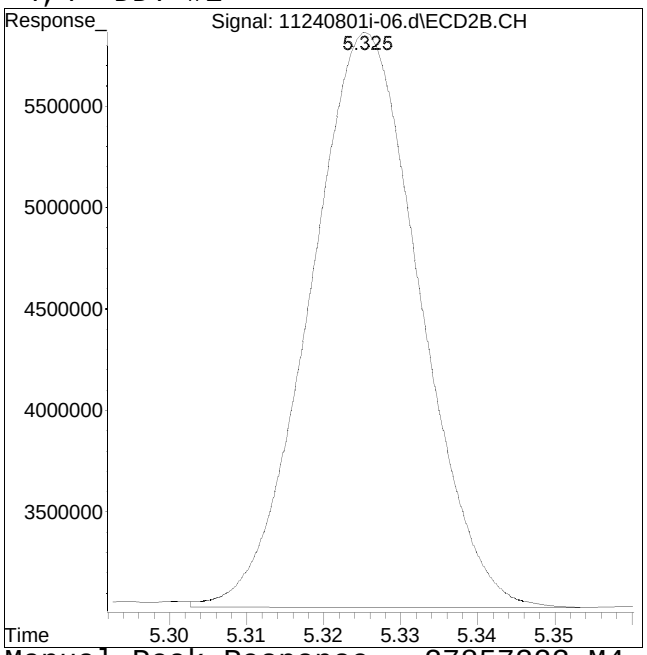
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #59: 4,4'-DDT #2



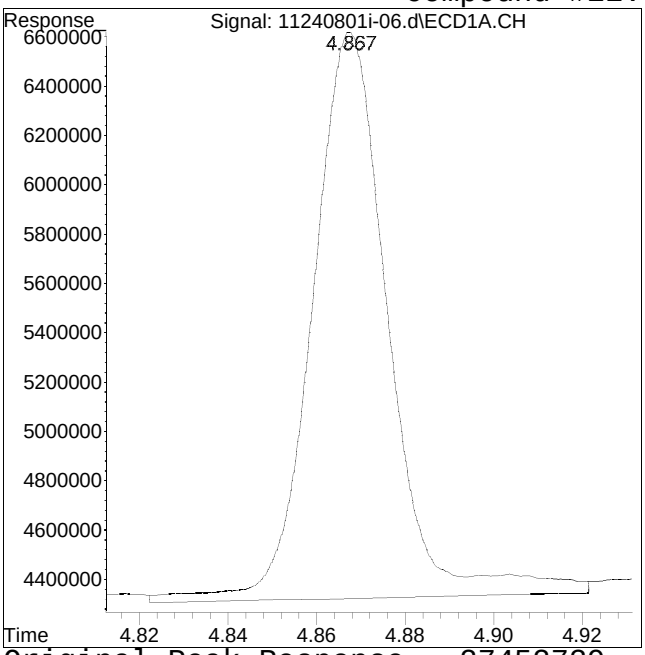


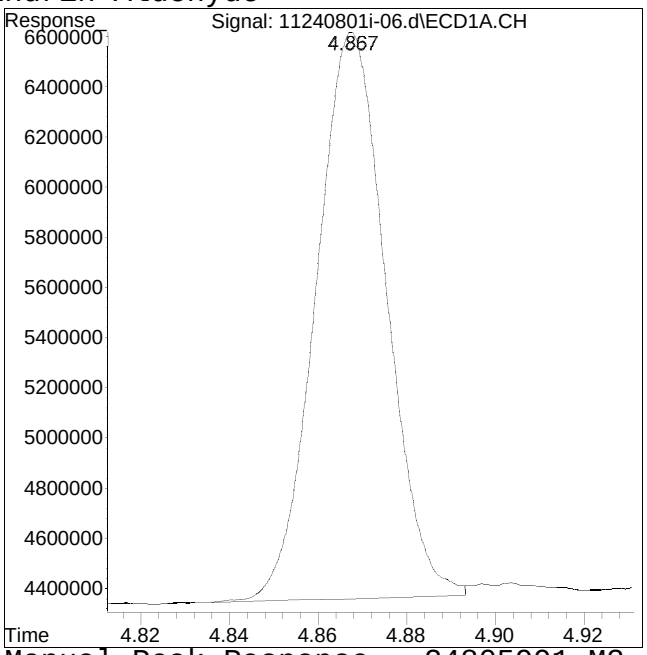
Original Peak Response = 28014590 Manual Peak Response = 27857323 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #22: Endrin Aldehyde



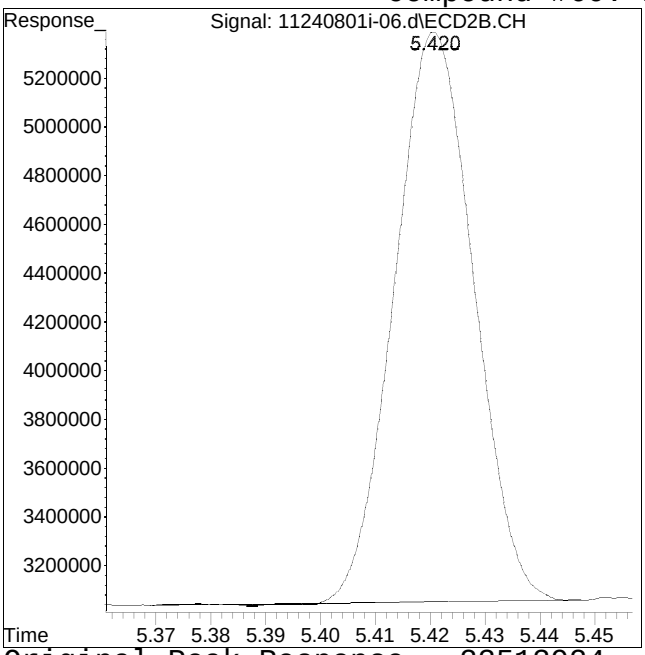


Original Peak Response = 27452739 Manual Peak Response = 24805991 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

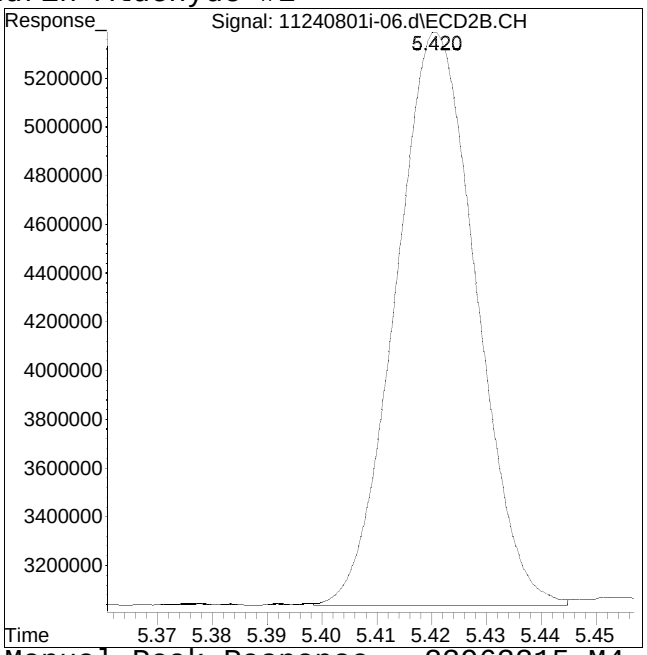
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 23513924



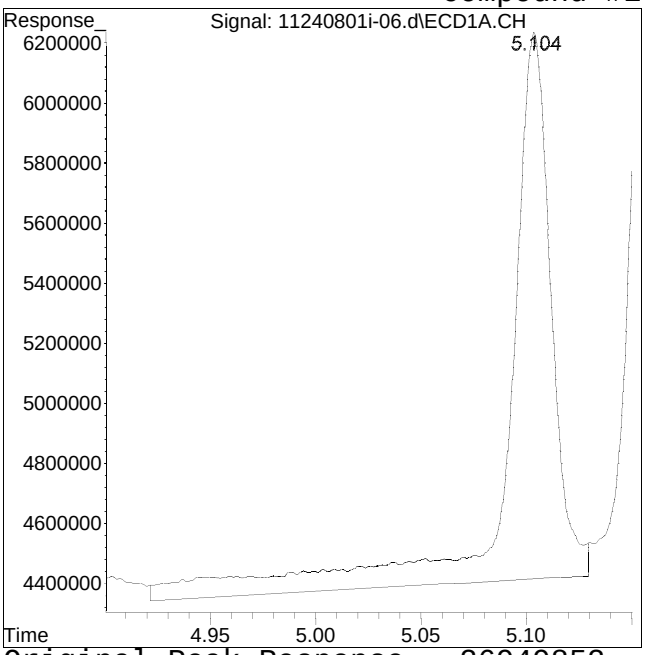
Manual Peak Response = 23963315 M4

M4 = Poor automated baseline construction.

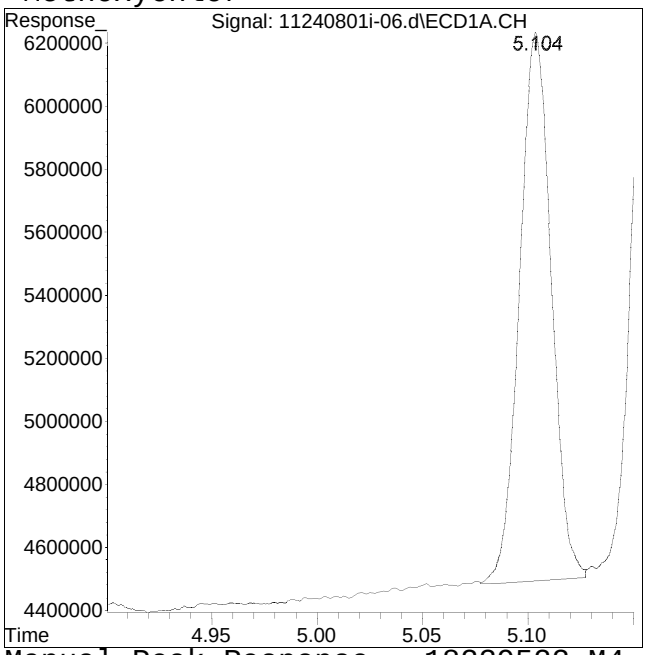
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #23: Methoxychlor



Original Peak Response = 26949852



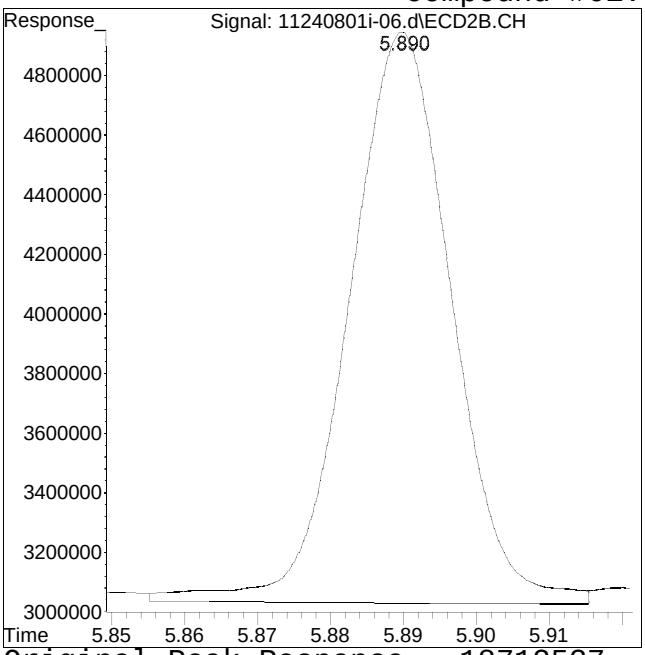
Manual Peak Response = 18239522 M4

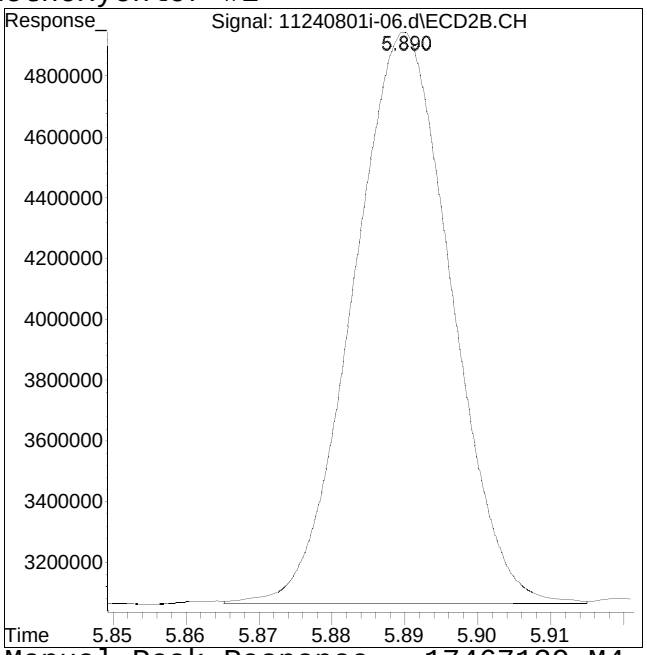
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #61: Methoxychlor #2



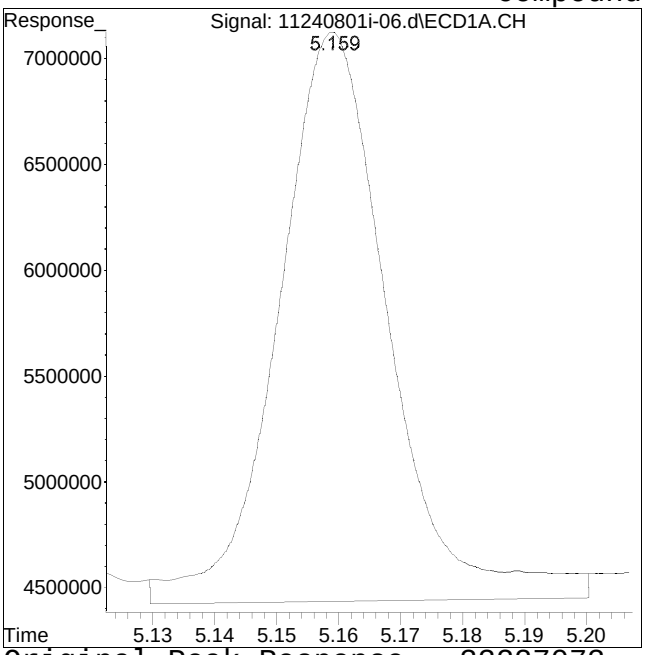


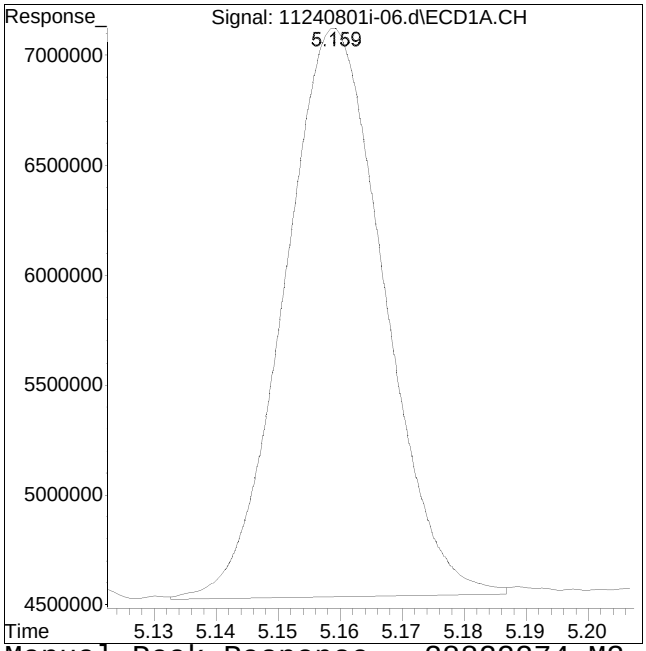
Original Peak Response = 18712537 Manual Peak Response = 17467129 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #24: Mirex





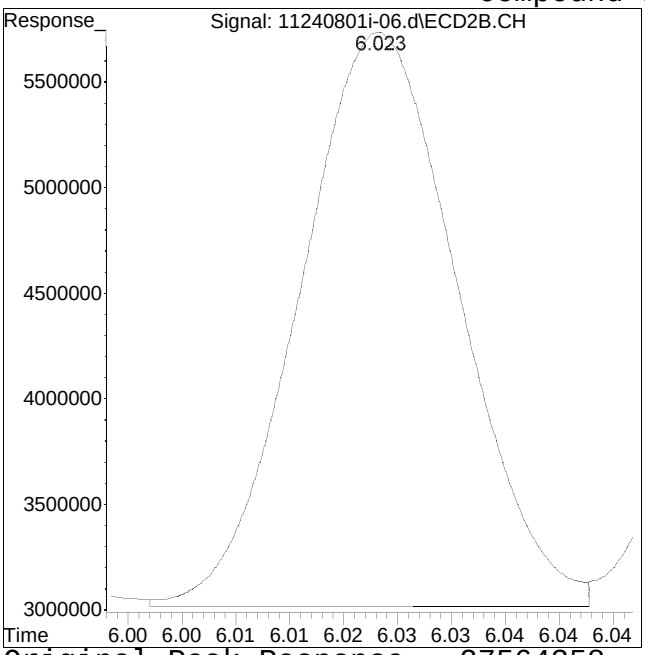
Original Peak Response = 33227073 Manual Peak Response = 28822274 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

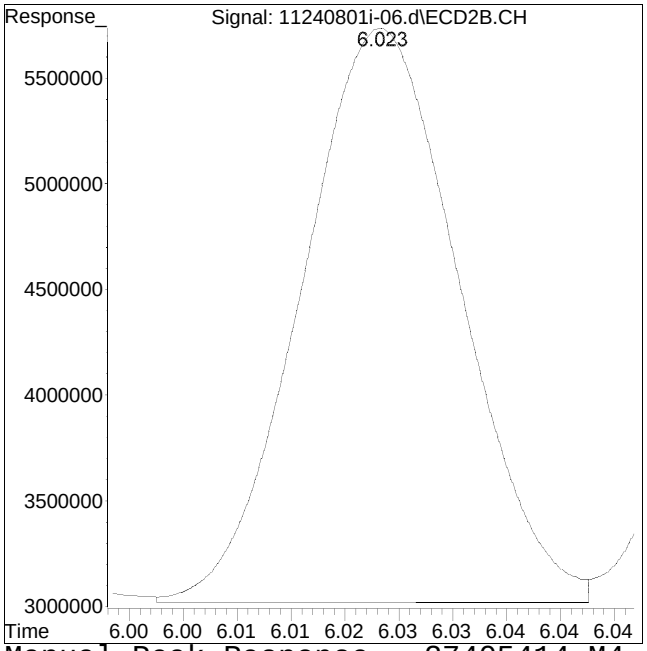
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #62: Mirex #2



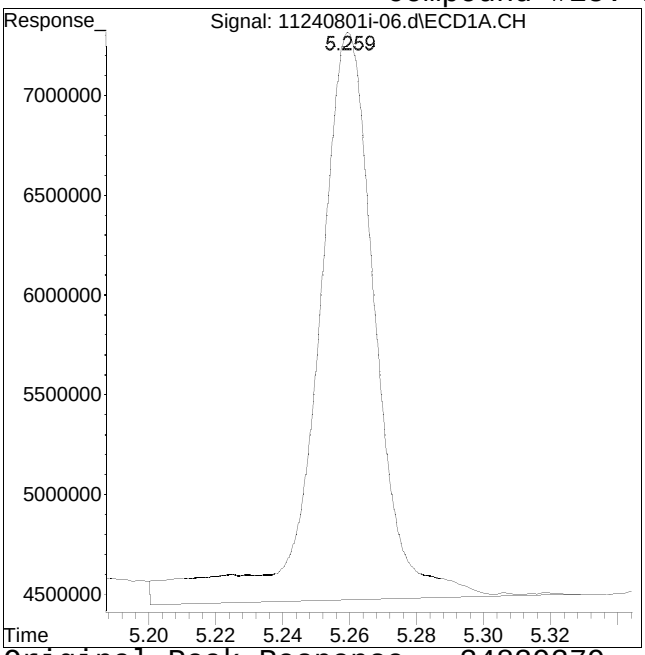


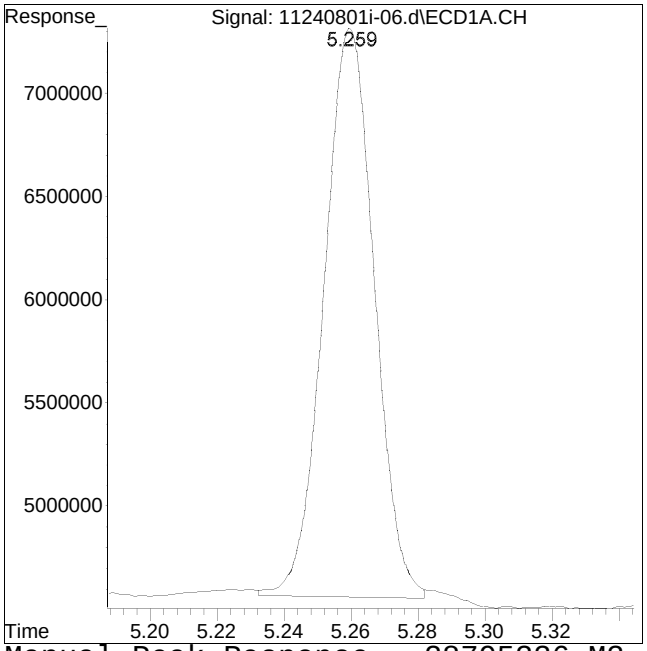
Original Peak Response = 27564358 Manual Peak Response = 27405414 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #25: Endosulfan Sulfate





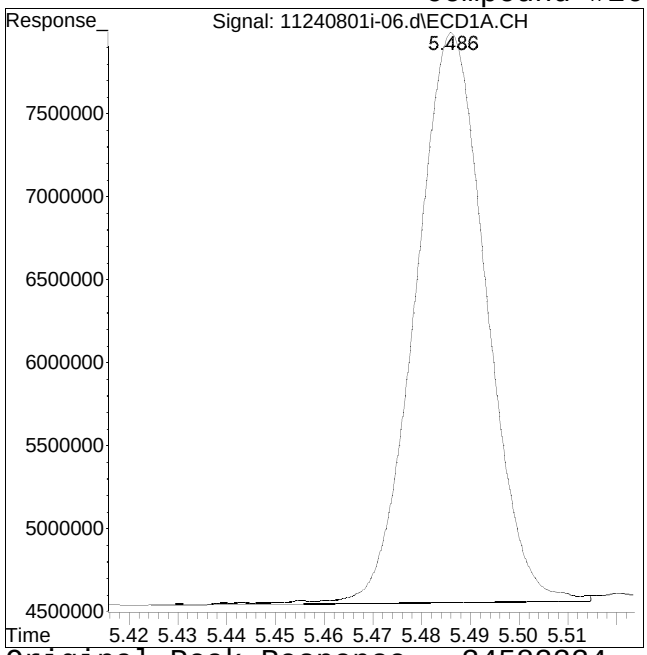
Original Peak Response = 34839379 Manual Peak Response = 28795336 M3

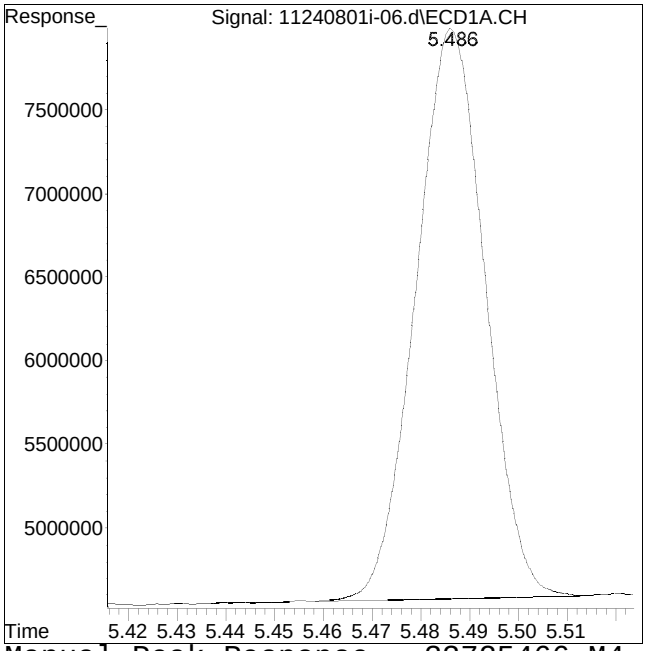
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #26: Endrin Ketone





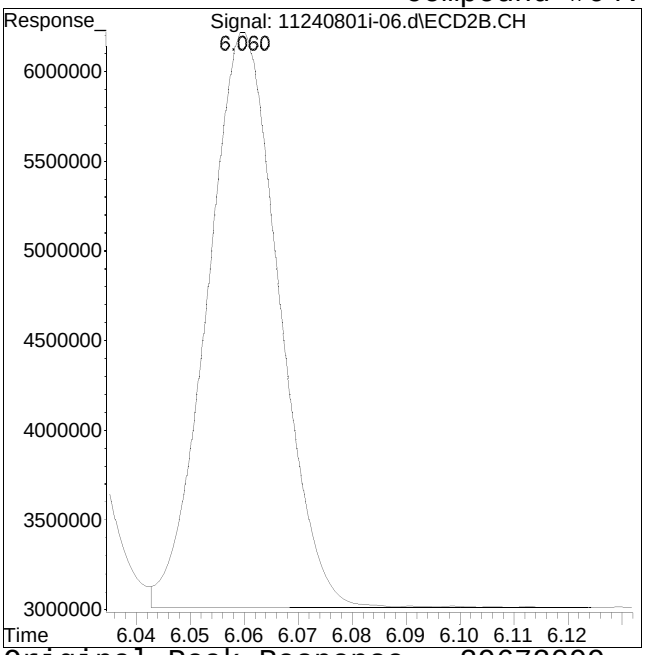
Original Peak Response = 34583334 Manual Peak Response = 33725466 M4
M4 = Poor automated baseline construction.

Manual Integration Report

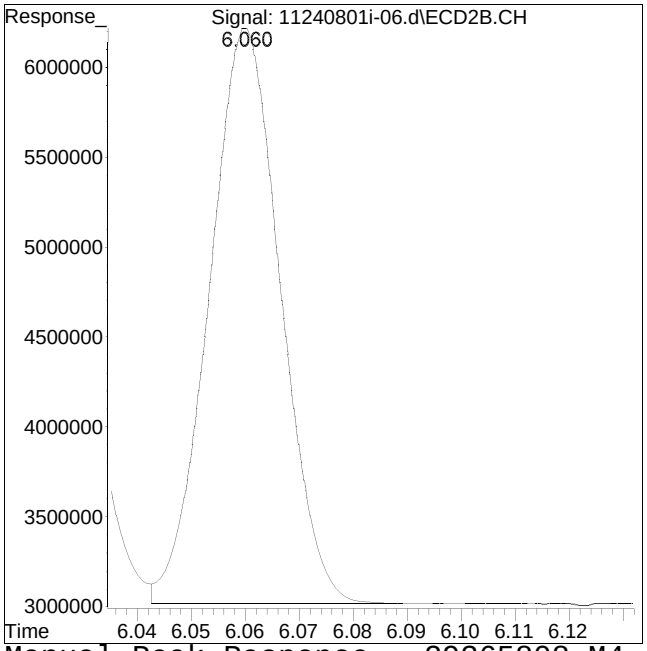
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #64: Endrin Ketone #2



Original Peak Response = 29672099



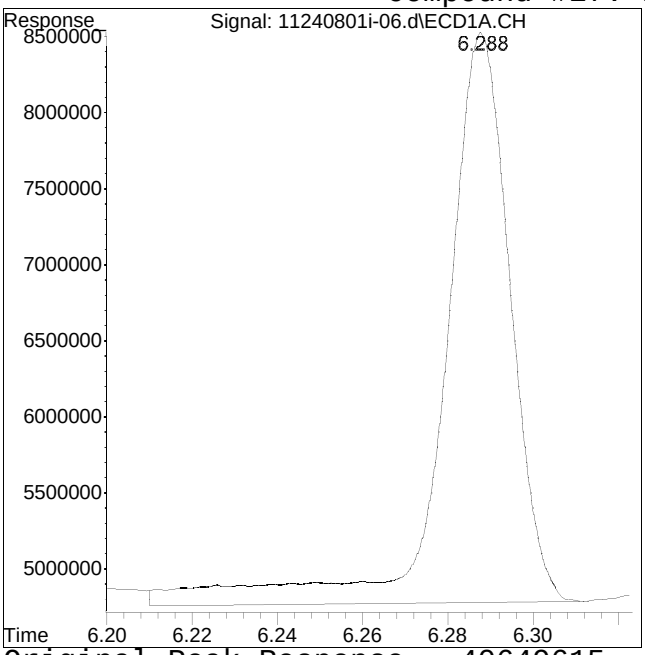
Manual Peak Response = 29365808 M4

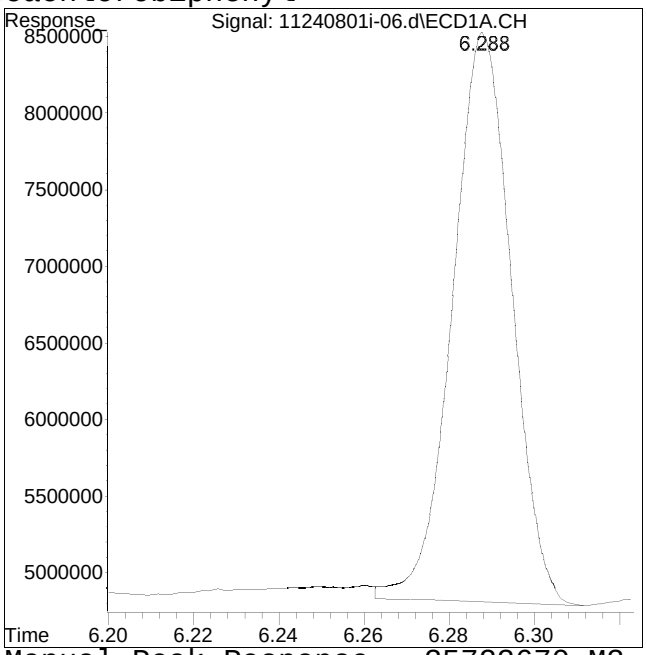
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 40649615 Manual Peak Response = 35723670 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:25
Operator : PEST11:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:53:34 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:53:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	236.8E6	187.7E6	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.651	1.858	38521121	33228326	3.958M4	4.126M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	7.92%#	8.25%#
27) s	Decachlorobi	6.288	6.922	45749494	33190514	4.585M3	4.626M3
	Spiked Amount	50.000	Range 30 - 150		Recovery =	9.17%#	9.25%#
	Target Compounds						
3) t	Hexachlorobe	1.864	2.177	53831993	37517540	4.262M3	4.355M3
4) t	alpha-BHC	1.963	2.270	50099814	44404100	3.378	3.499M4
5) t	gamma-BHC (l	2.165	2.556	48429966	42423894	3.532M4	3.691M4
6) t	beta-BHC	2.221	2.622	23627338	22130202	4.112M4	4.572M4
7) t	delta-BHC	2.349	2.889	47212643	42358835	3.409M4	3.618
8) t	Heptachlor	2.513	2.951	48539979	47303379	3.873M4	4.125M4
9) t	Aldrin	2.755	3.270	43725904	41038709	3.629M3	3.833M4
10) t	Alachlor	2.876	3.152	8846077	7914947	4.229M4	5.313M4
11) t	Chlorpyrifos	2.968	3.506	24028161	29105048	4.744M4	5.206

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:25
Operator : PEST11:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:53:34 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:53:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.883	43926945	42803293	3.942M3	4.261M4
13)	t	gamma-Chlord	3.424	4.104	38878589	38970708	3.786M4	4.193M4
14)	t	alpha-Chlord	3.559	4.273	44728489	43103625	3.859M3	4.197M4
15)	t	4,4'-DDE	3.656	4.472	42411214	37932784	3.626M4	3.740M3
16)	t	Endosulfan I	3.695	4.335	41113069	40054576	3.894	4.272M4
17)	t	Dieldrin	3.954	4.627	40416298	38468360	3.654M4	3.937M4
18)	t	Endrin	4.209	4.925	41670444	39189618	3.747M4	3.963M4
19)	t	4,4'-DDD	4.321	5.049	32563209	30675797	3.557M4	3.766M4
20)	t	Endosulfan I	4.451	5.125	38878709	36626235	3.907M4	4.280M4
21)	t	4,4'-DDT	4.615	5.326	37823947	35899886	3.661M4	3.859M4
22)	t	Endrin Aldeh	4.868	5.421	32912480	30791502	3.951M4	4.329M4
23)	t	Methoxychlor	5.103	5.890	23121492	22184815	4.437M4	4.706M4
24)	t	Mirex	5.159	6.023	37112581	34701868	4.423M4	4.946M4
25)	t	Endosulfan S	5.259	5.650	37357641	36575099	4.010M3	4.387M4
26)	t	Endrin Keton	5.486	6.060	44230088	37958462	3.979M4	4.219M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:25
Operator : PEST11:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:53:34 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:53:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

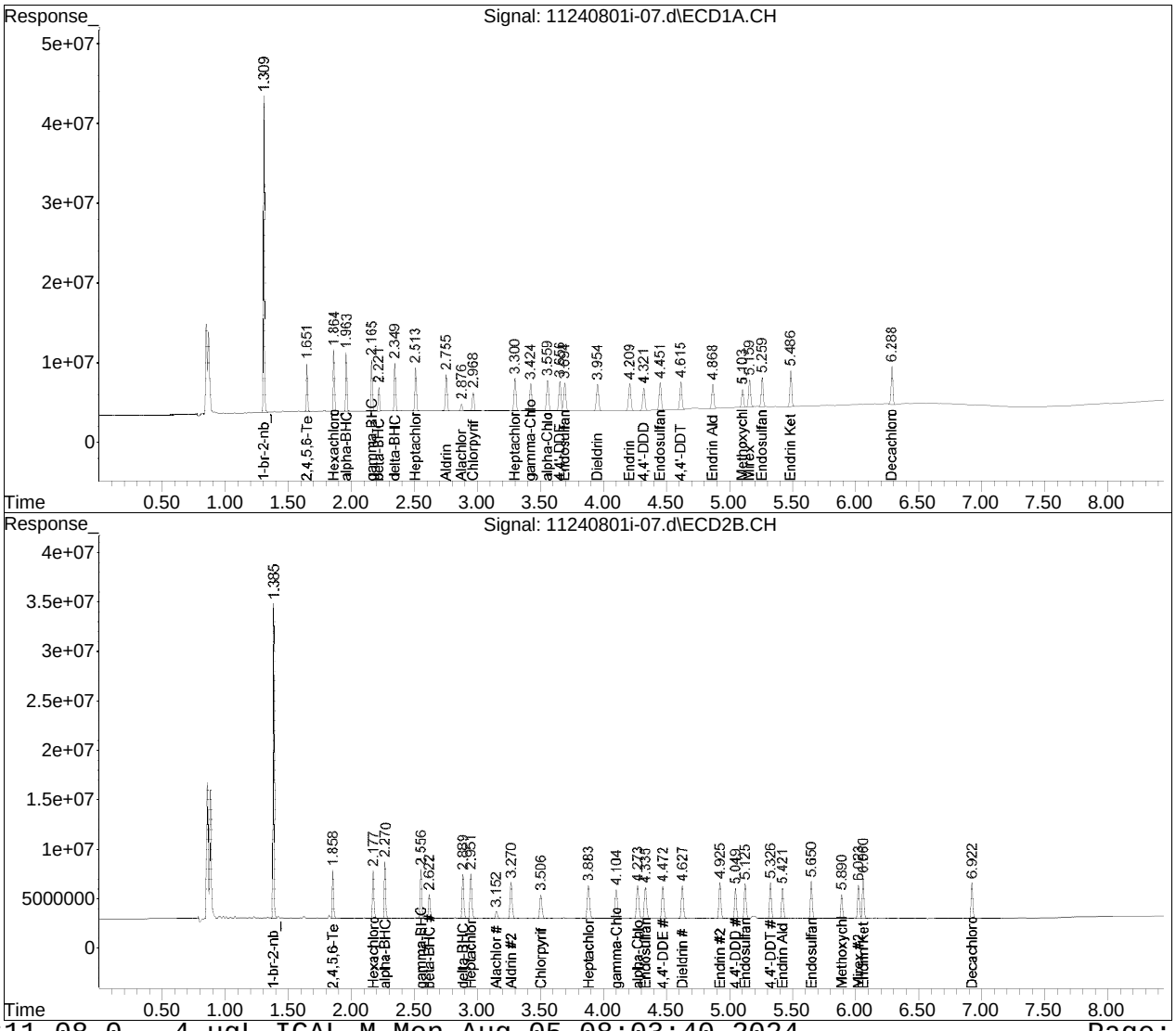
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:25
Operator : PEST11:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:53:34 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:53:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

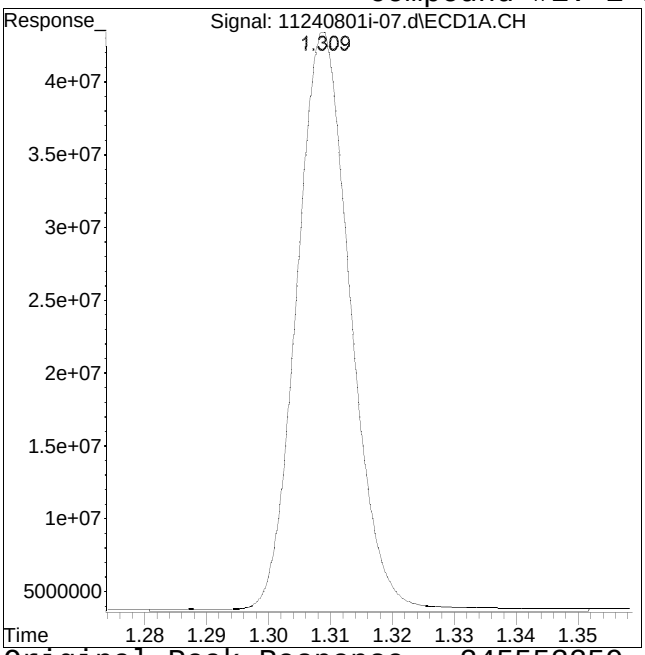


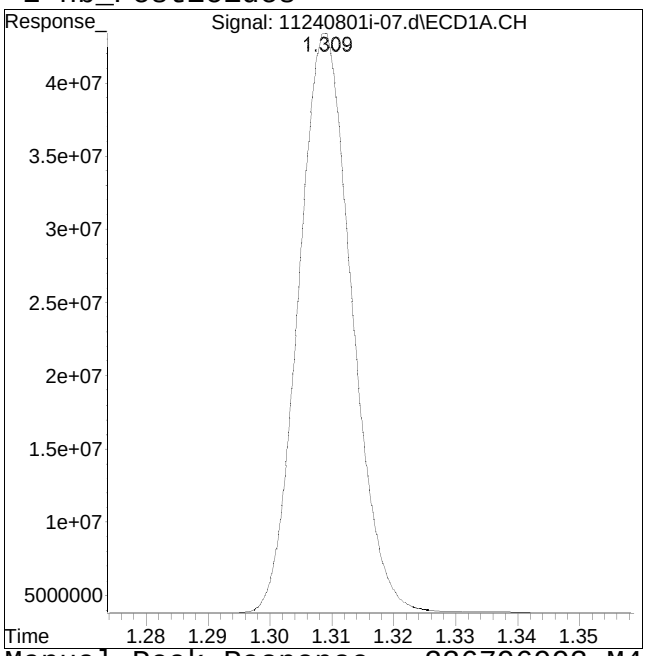
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #1: 1-br-2-nb_Pesticides



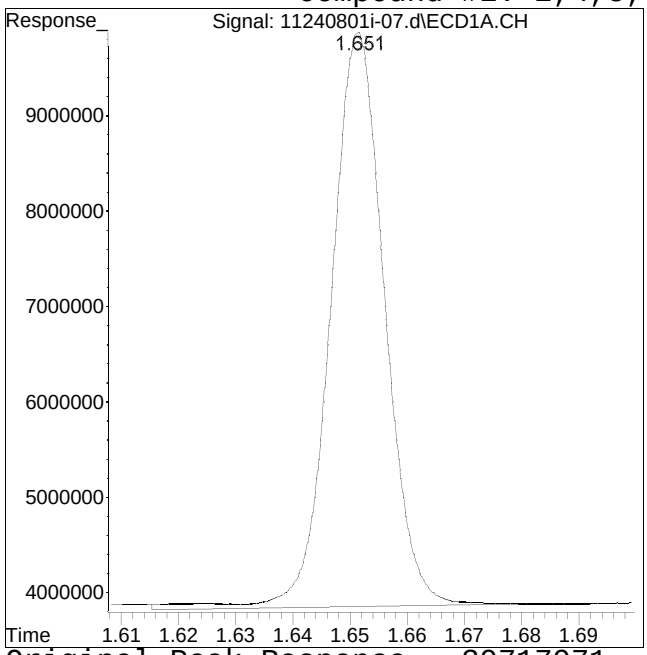


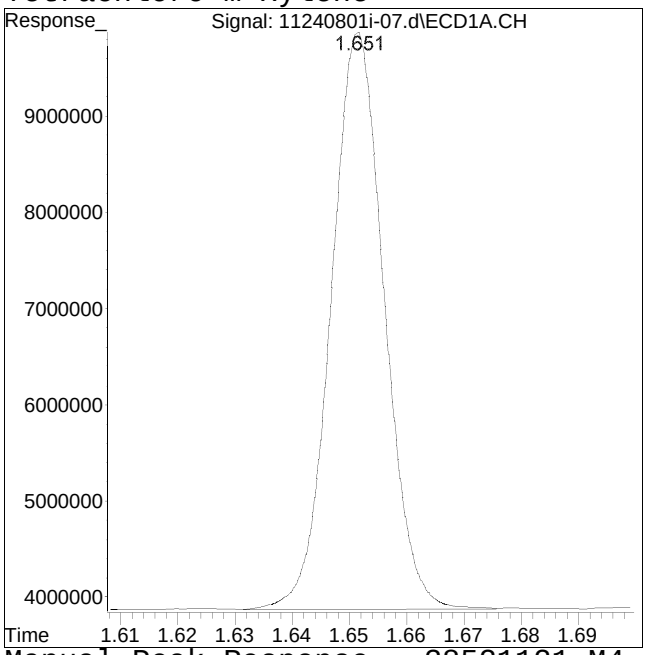
Original Peak Response = 245553359 Manual Peak Response = 236796993 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



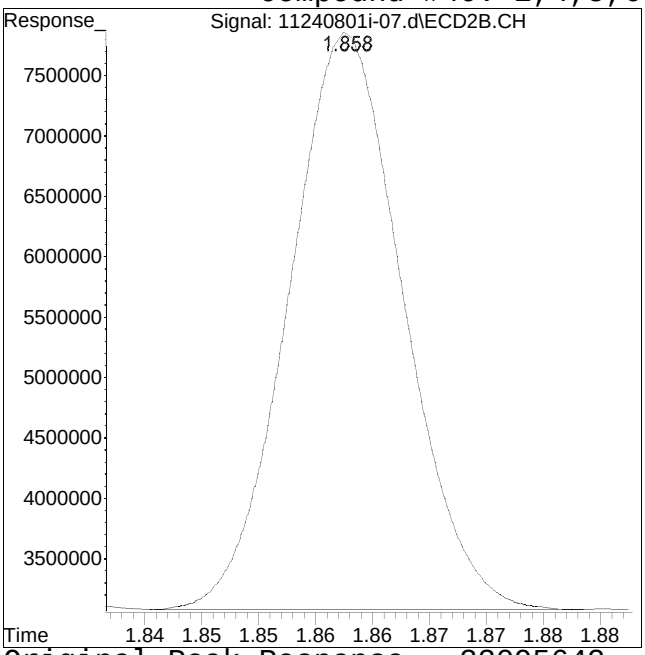


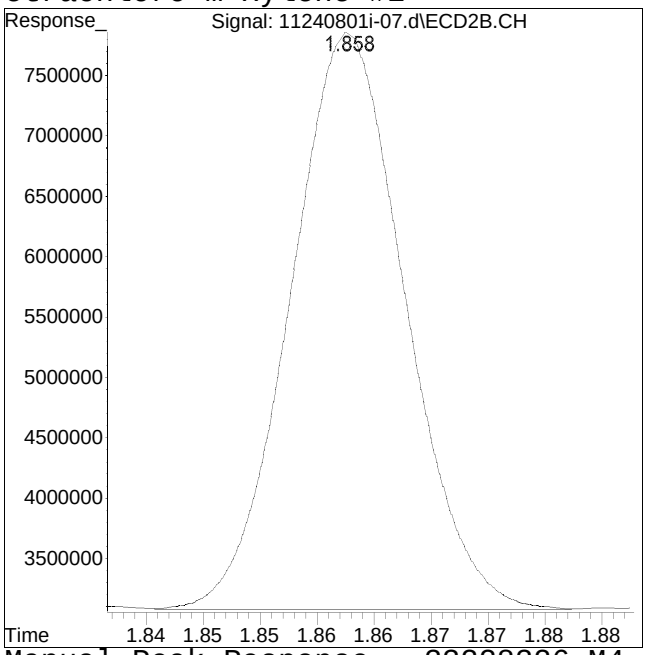
Original Peak Response = 39717971 Manual Peak Response = 38521121 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



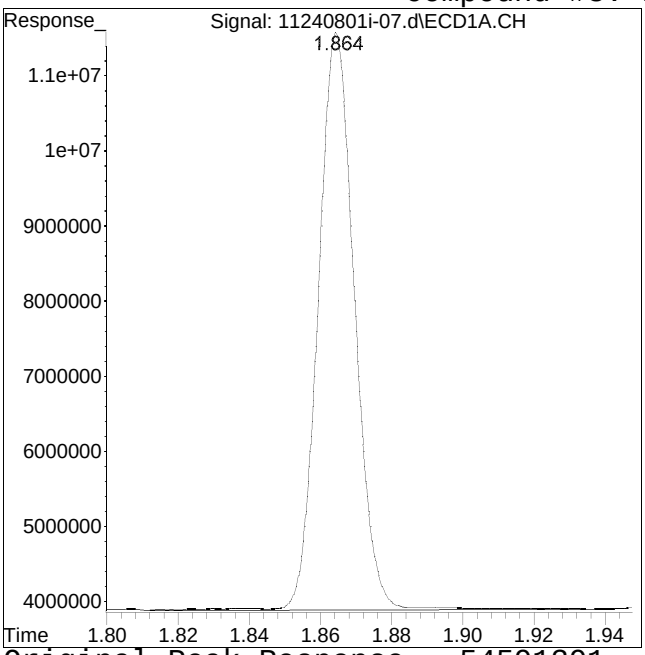


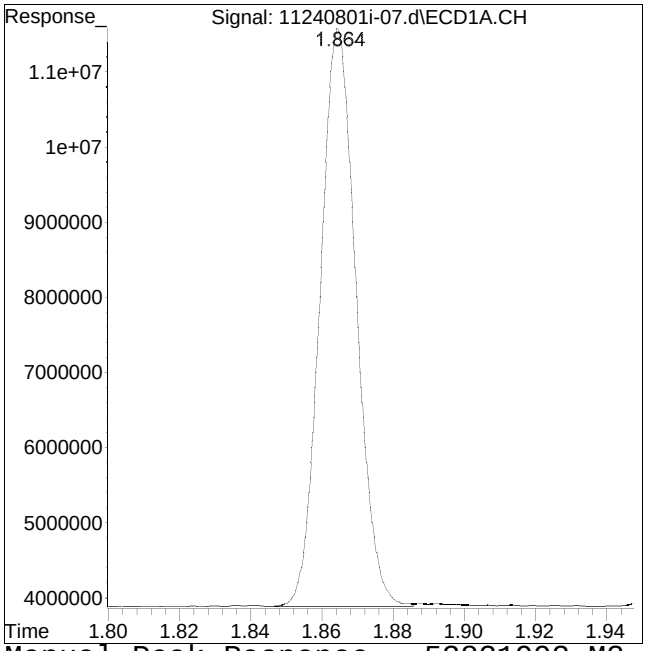
Original Peak Response = 33095642 Manual Peak Response = 33228326 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #3: Hexachlorobenzene



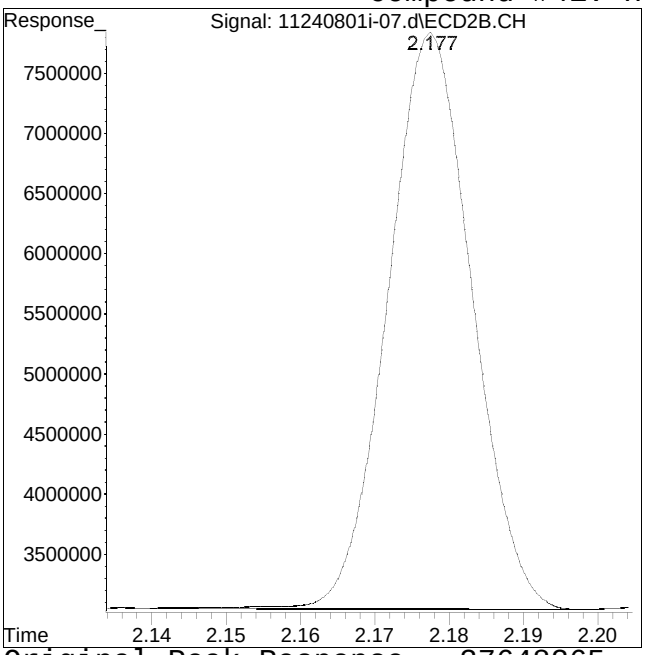


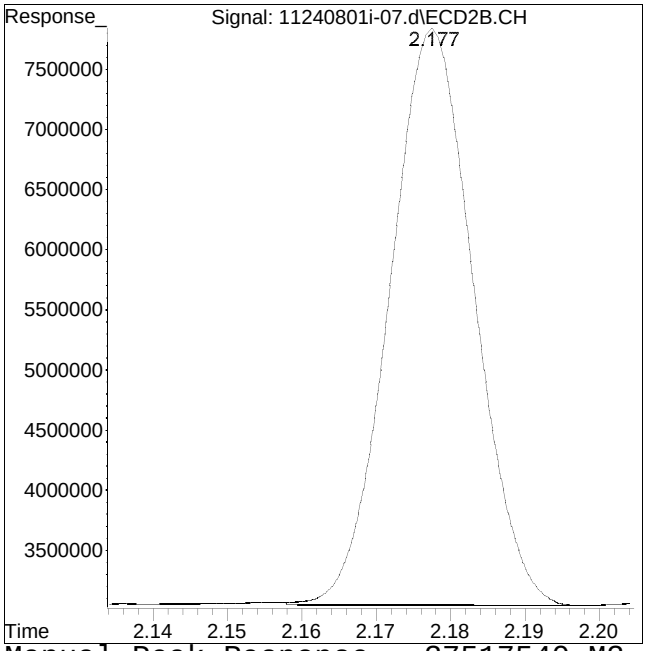
Original Peak Response = 54591391 Manual Peak Response = 53831993 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #41: Hexachlorobenzene #2





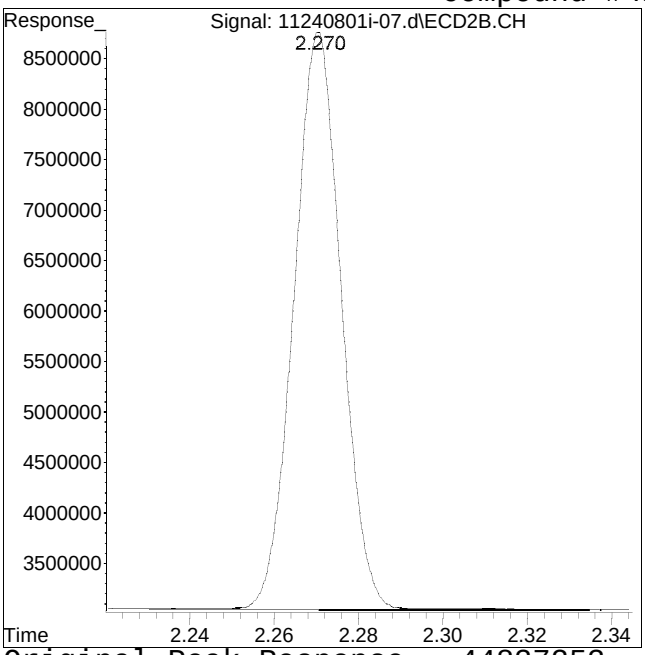
Original Peak Response = 37648265 Manual Peak Response = 37517540 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

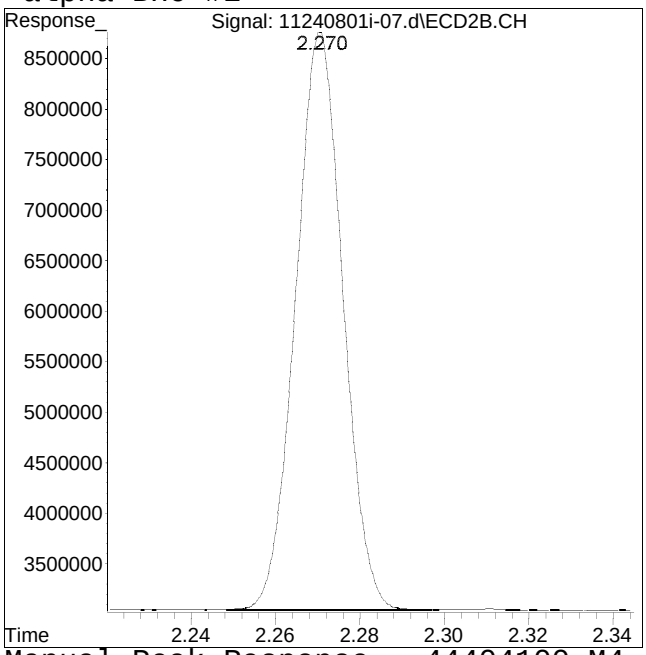
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #42: alpha-BHC #2



Original Peak Response = 44837253



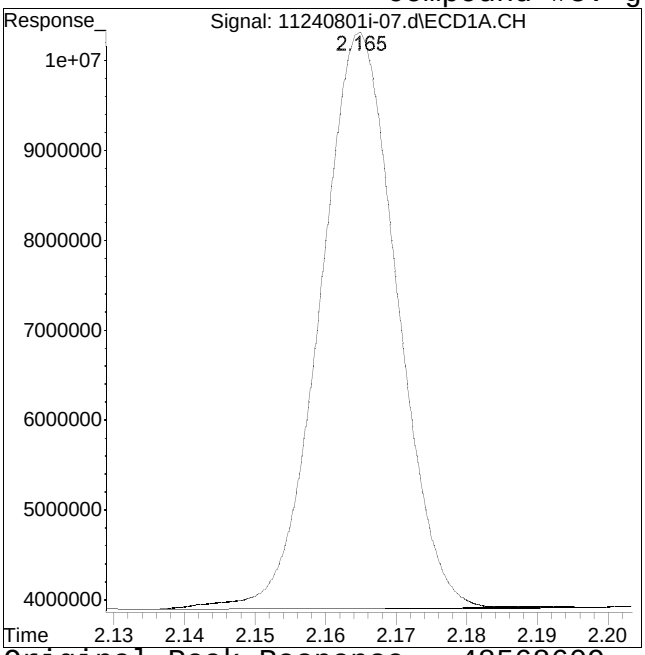
Manual Peak Response = 44404100 M4

M4 = Poor automated baseline construction.

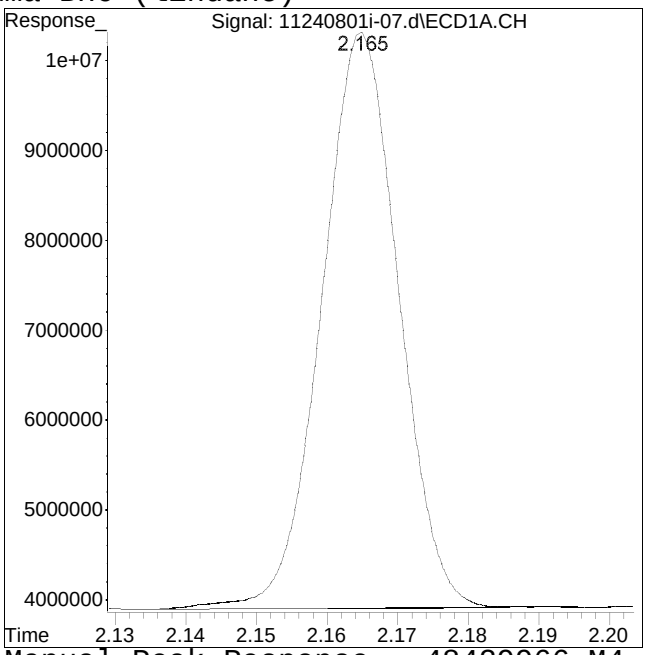
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 48568609



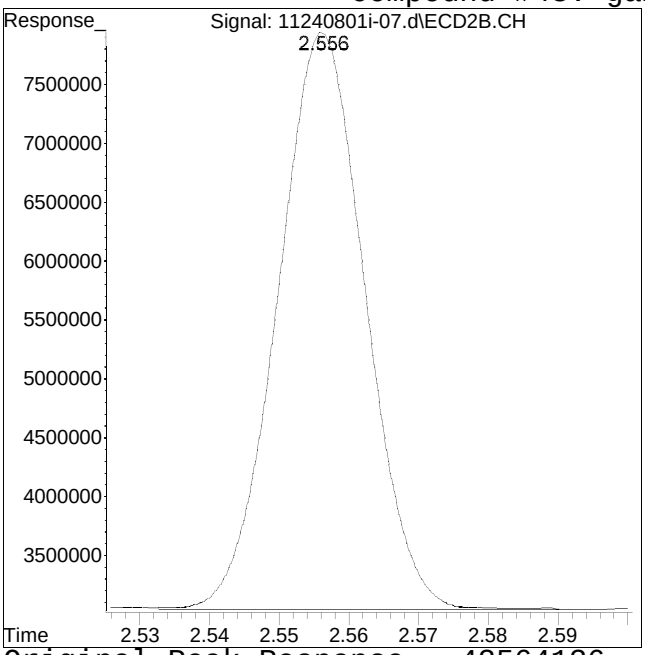
Manual Peak Response = 48429966 M4
M4 = Poor automated baseline construction.

Manual Integration Report

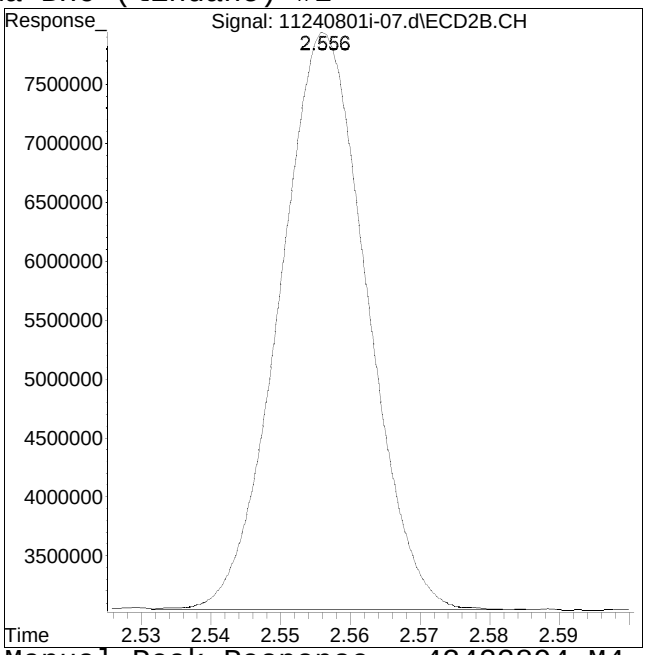
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 42564136



Manual Peak Response = 42423894 M4

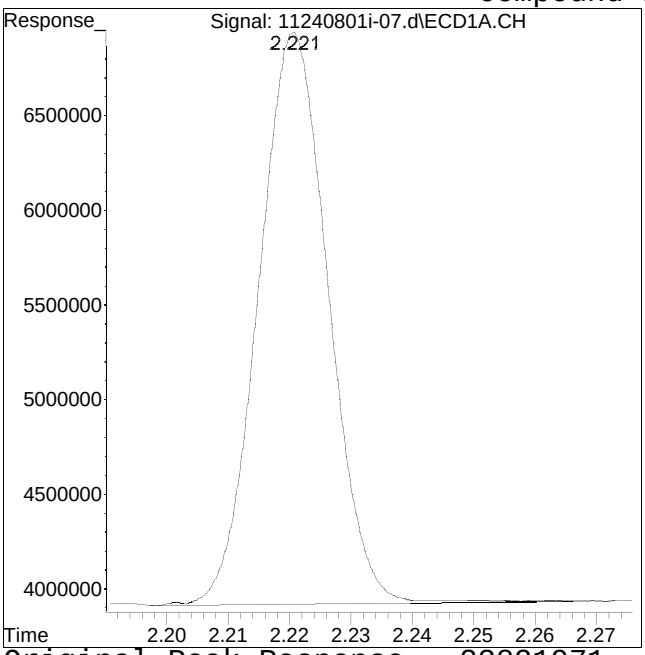
M4 = Poor automated baseline construction.

Manual Integration Report

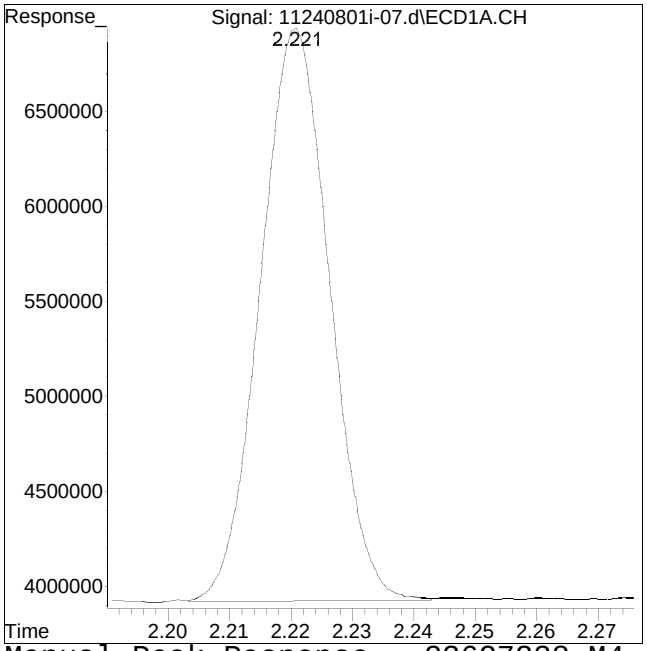
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #6: beta-BHC



Original Peak Response = 23821971



Manual Peak Response = 23627338 M4

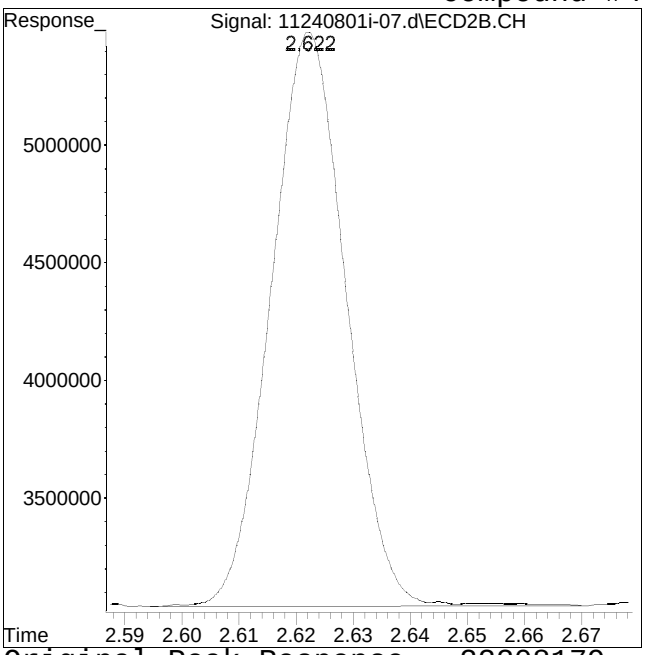
M4 = Poor automated baseline construction.

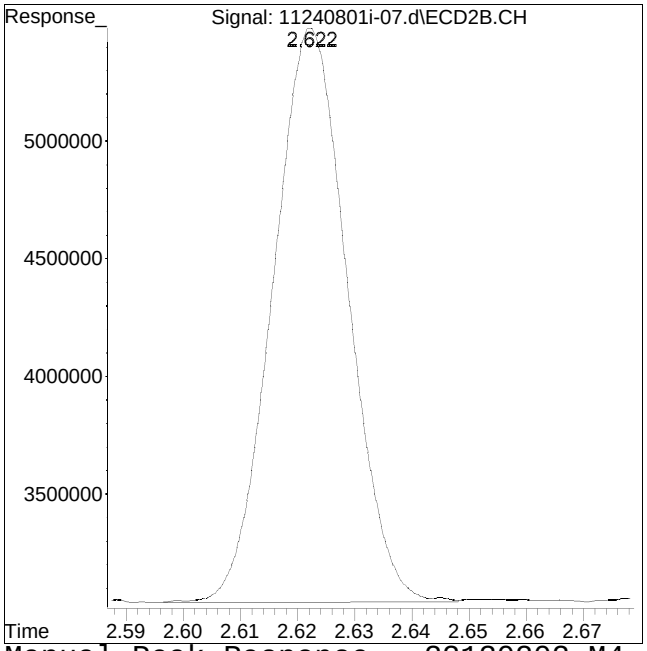
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #44: beta-BHC #2





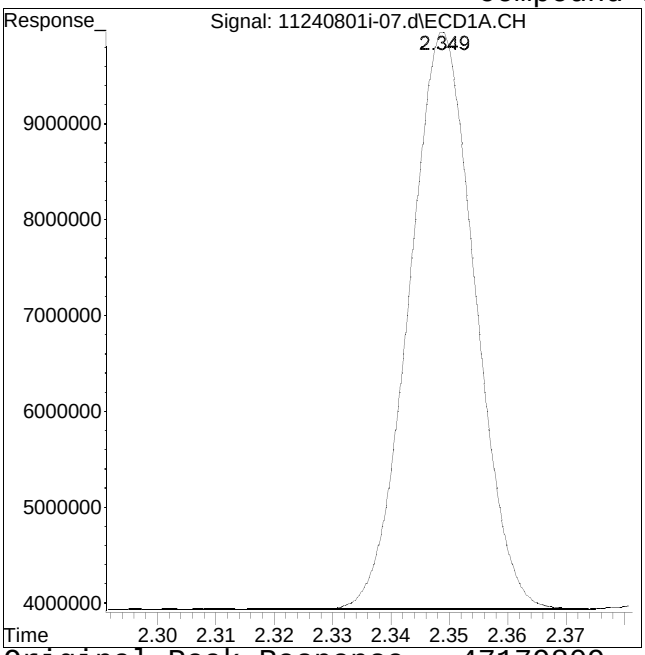
Original Peak Response = 22208179 Manual Peak Response = 22130202 M4
M4 = Poor automated baseline construction.

Manual Integration Report

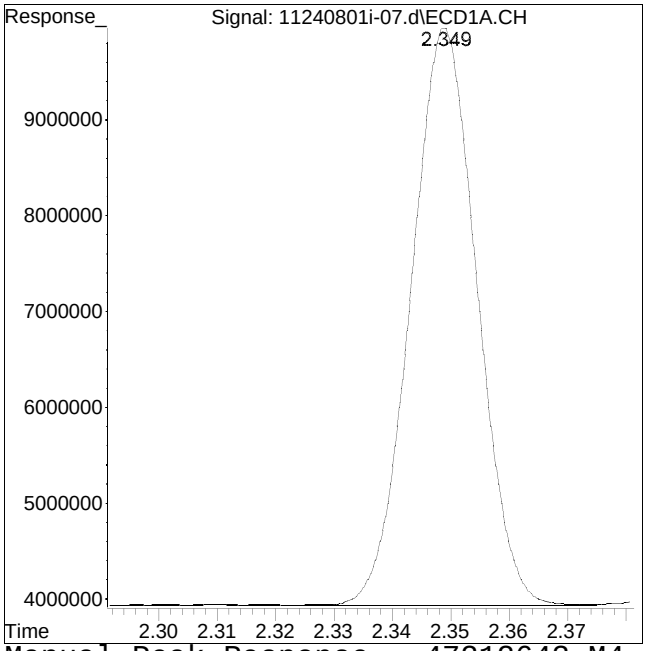
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #7: delta-BHC



Original Peak Response = 47179809



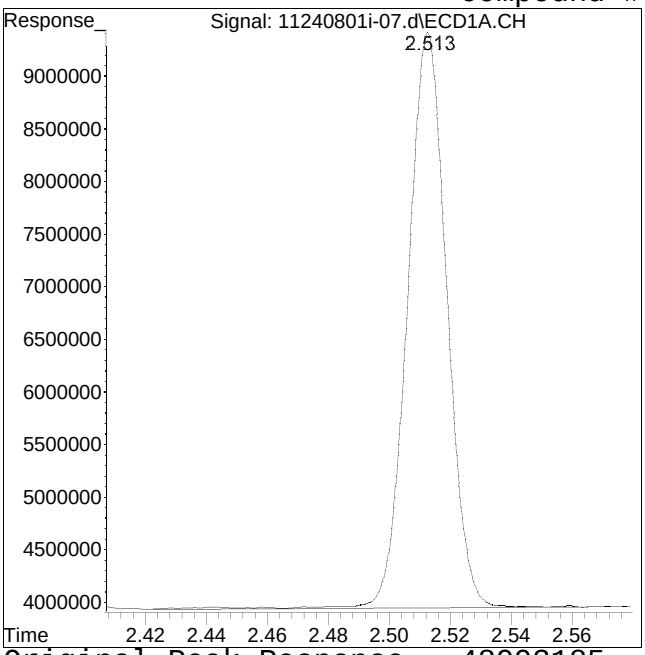
Manual Peak Response = 47212643 M4

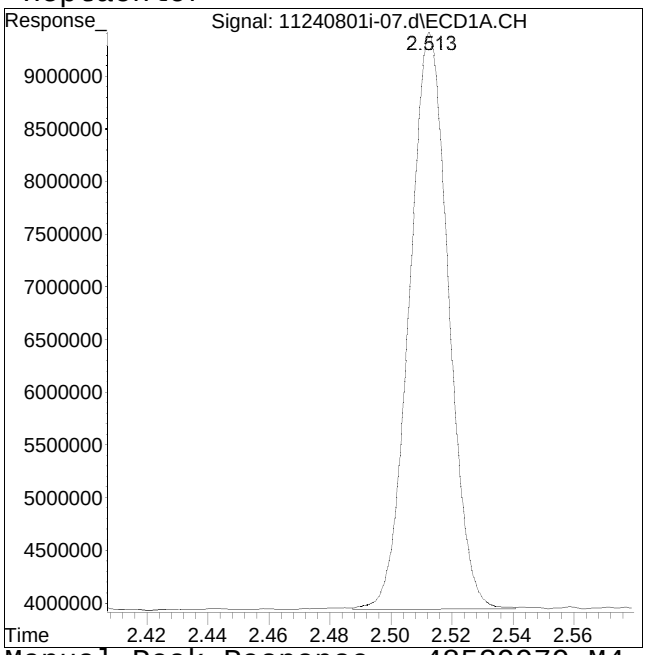
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #8: Heptachlor





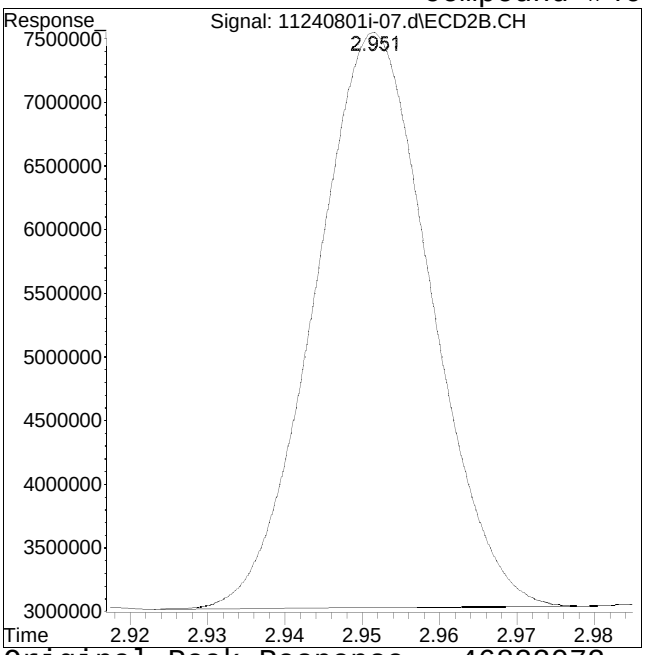
Original Peak Response = 48993185 Manual Peak Response = 48539979 M4
M4 = Poor automated baseline construction.

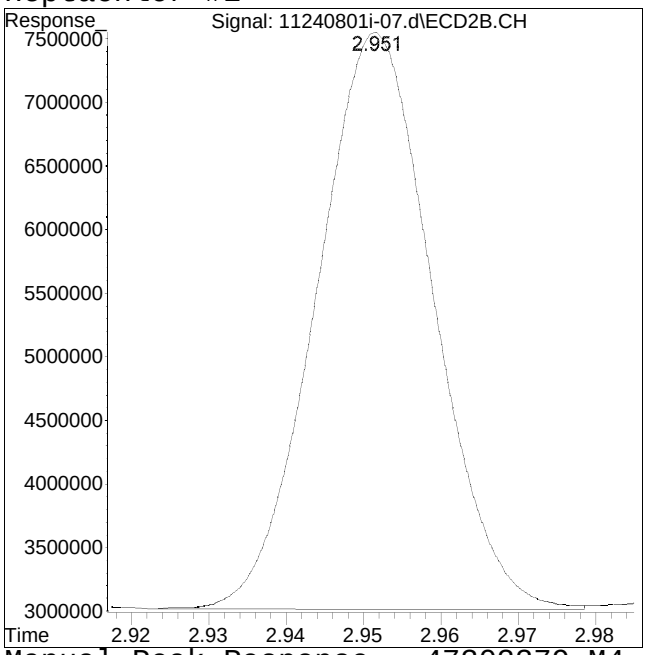
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #46: Heptachlor #2





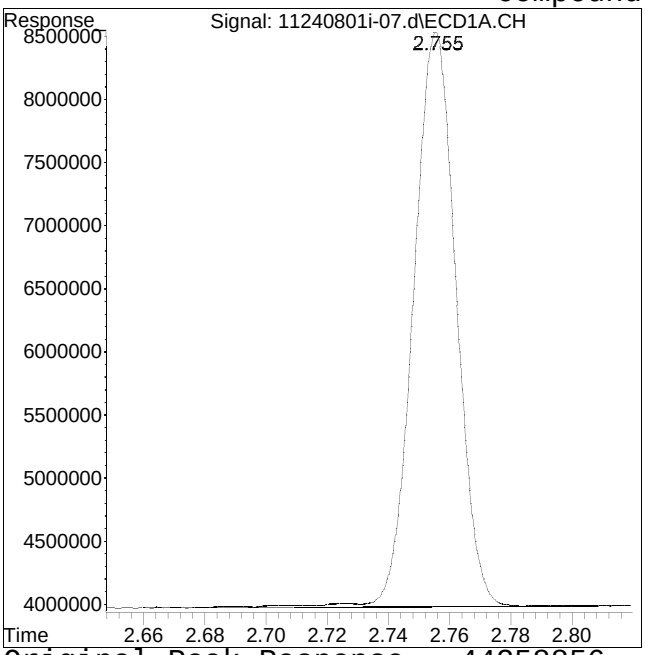
Original Peak Response = 46822072 Manual Peak Response = 47303379 M4
M4 = Poor automated baseline construction.

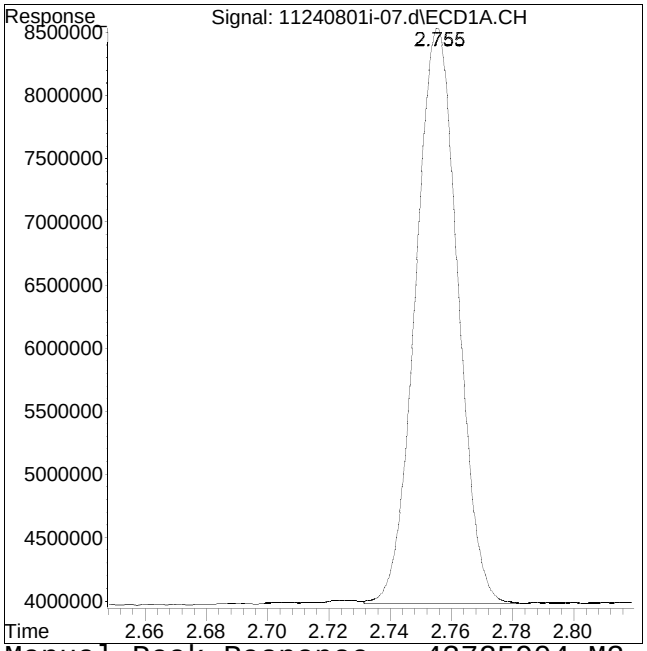
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #9: Aldrin





Original Peak Response = 44258856 Manual Peak Response = 43725904 M3

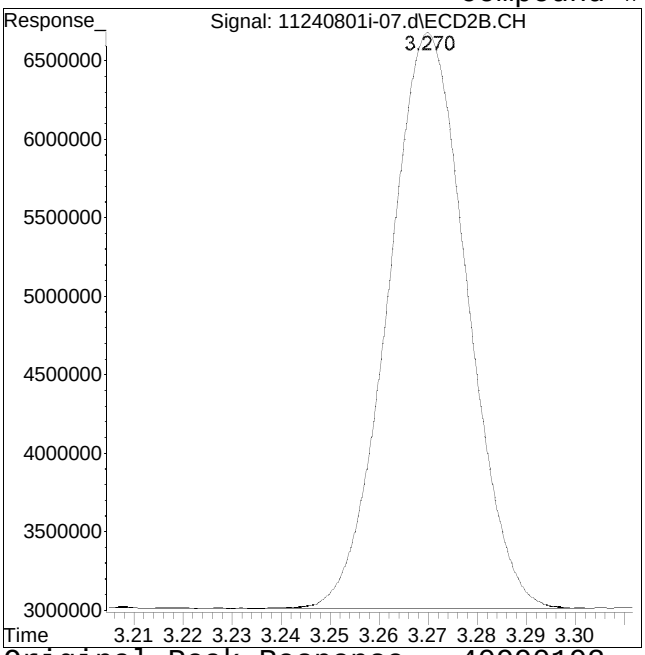
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

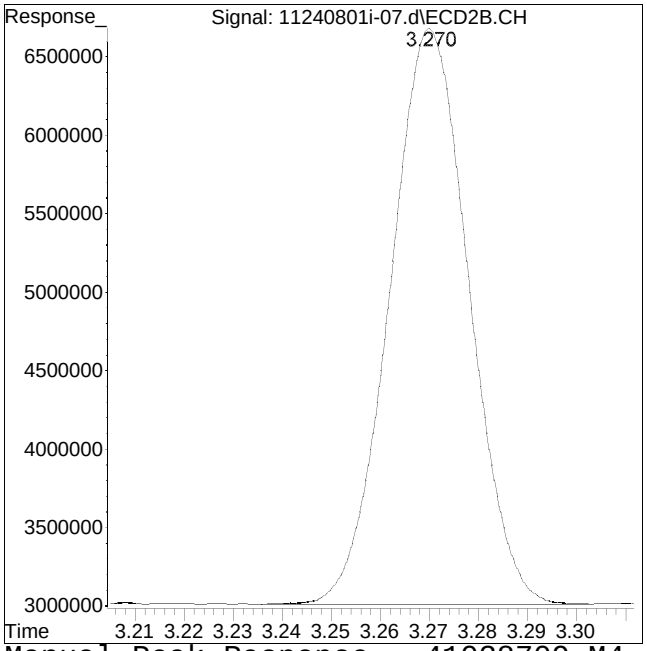
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #47: Aldrin #2



Original Peak Response = 40990192



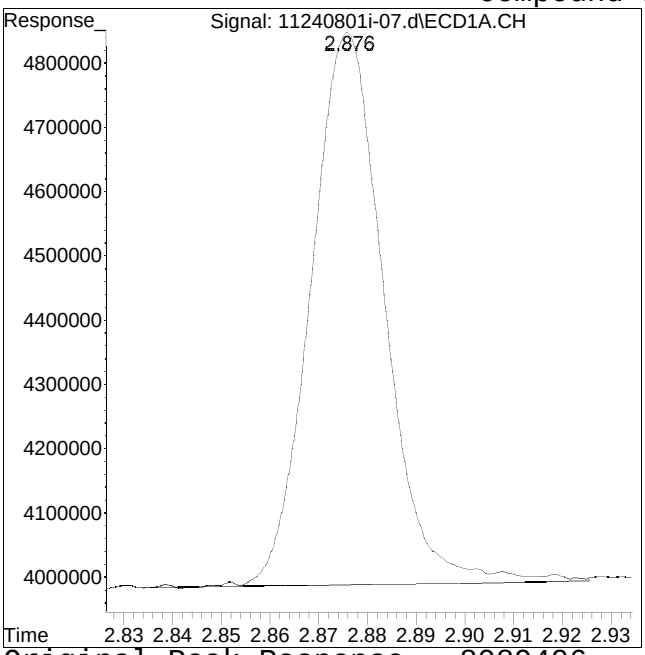
Manual Peak Response = 41038709 M4

M4 = Poor automated baseline construction.

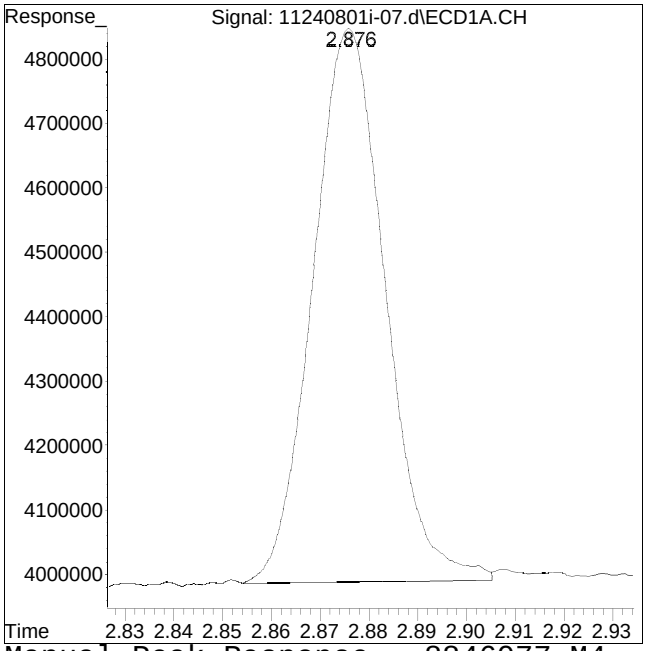
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #10: Alachlor



Original Peak Response = 8989406



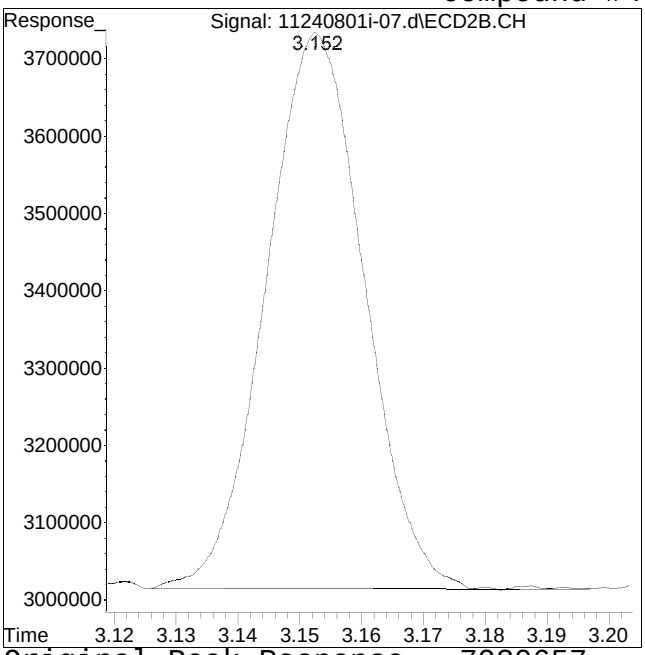
Manual Peak Response = 8846077 M4

M4 = Poor automated baseline construction.

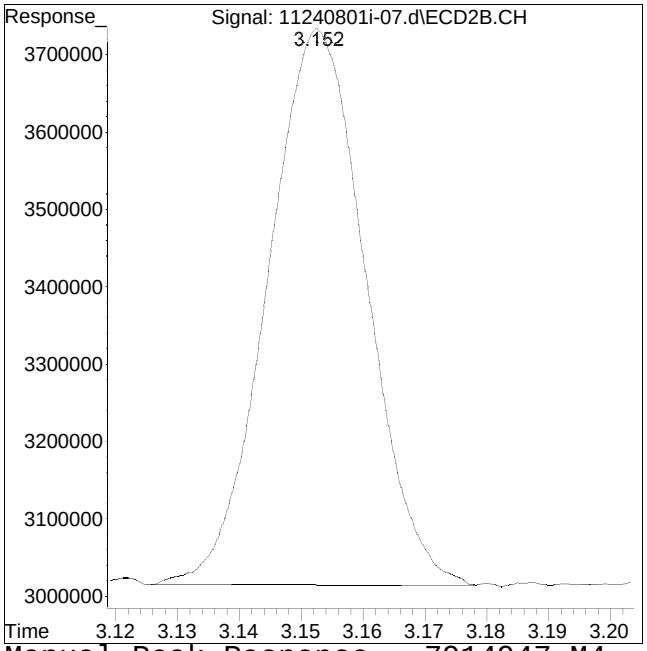
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #48: Alachlor #2



Original Peak Response = 7930657



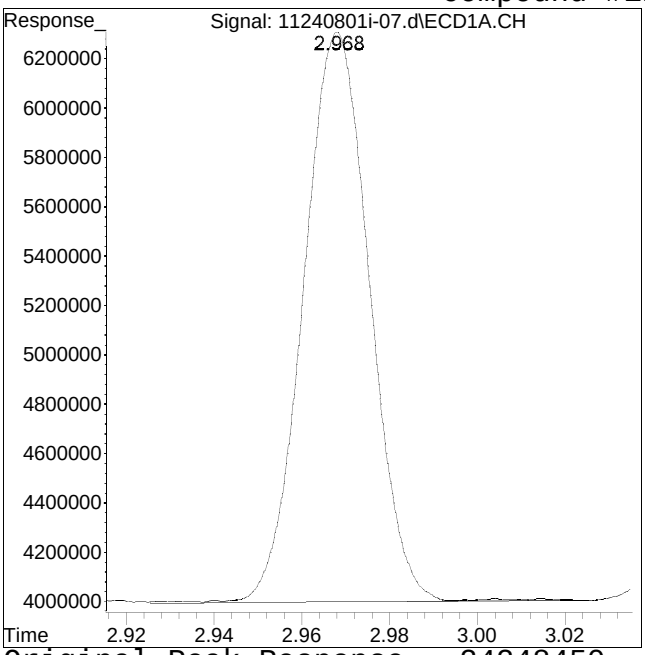
Manual Peak Response = 7914947 M4

M4 = Poor automated baseline construction.

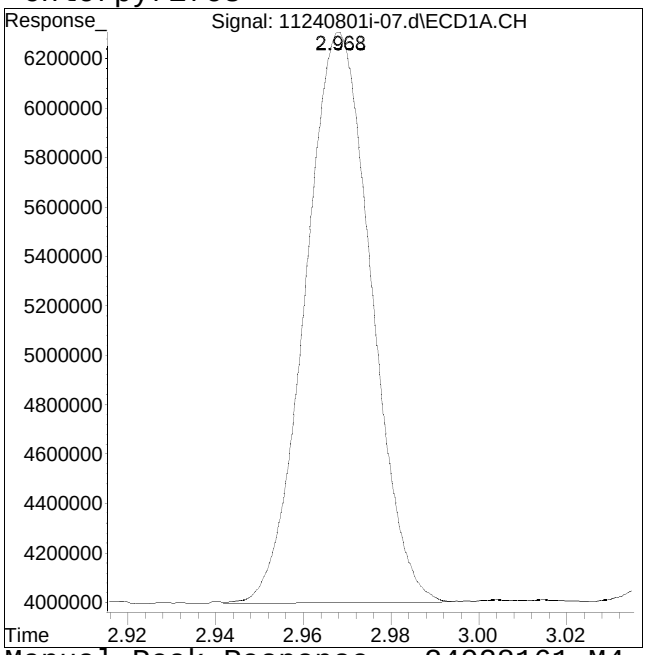
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #11: Chlorpyrifos



Original Peak Response = 24248450



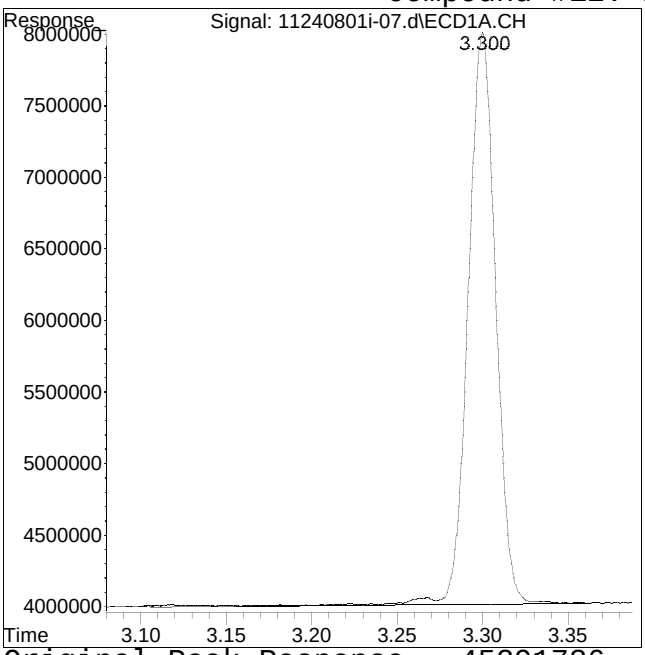
Manual Peak Response = 24028161 M4

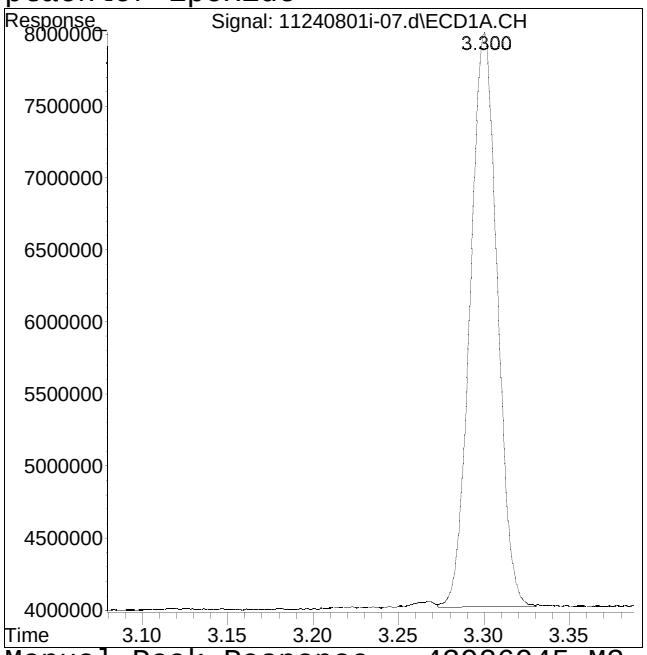
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #12: Heptachlor Epoxide





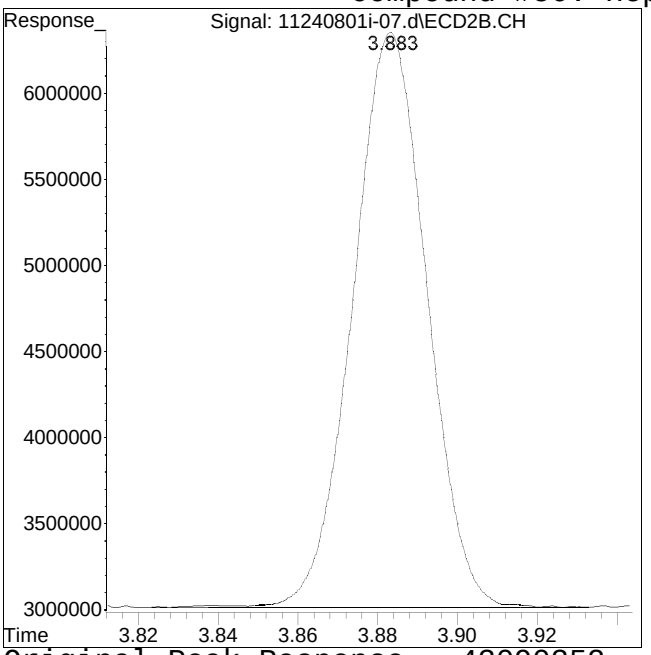
Original Peak Response = 45291736 Manual Peak Response = 43926945 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

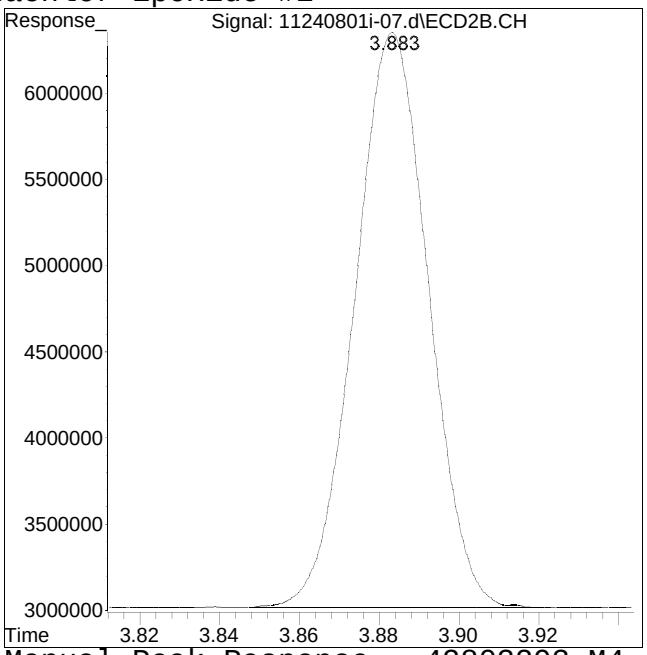
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #50: Heptachlor Epoxide #2





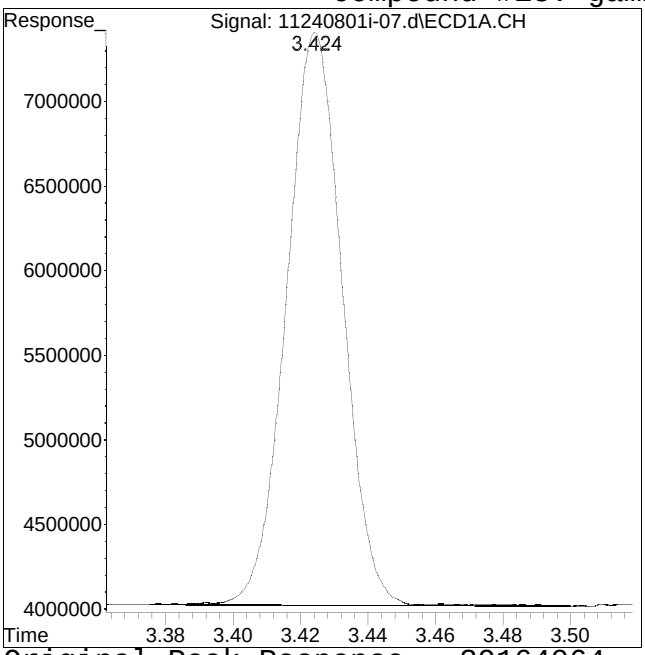
Original Peak Response = 43090352 Manual Peak Response = 42803293 M4
M4 = Poor automated baseline construction.

Manual Integration Report

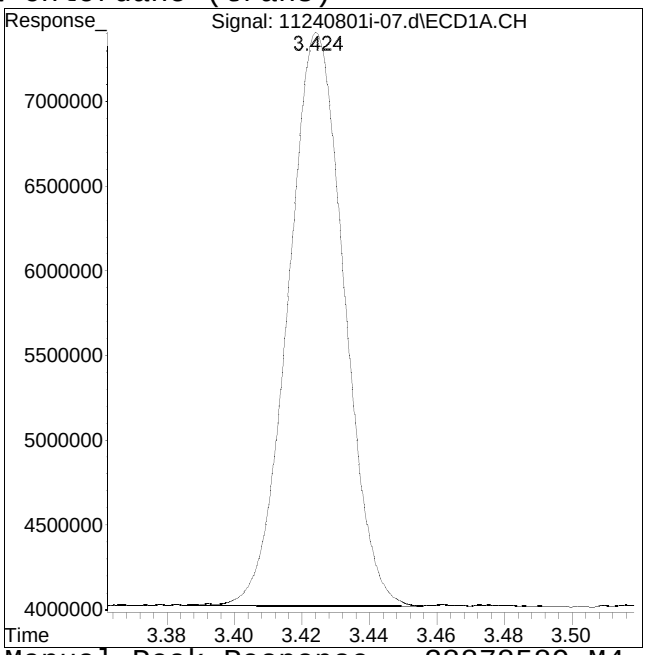
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 39164064



Manual Peak Response = 38878589 M4

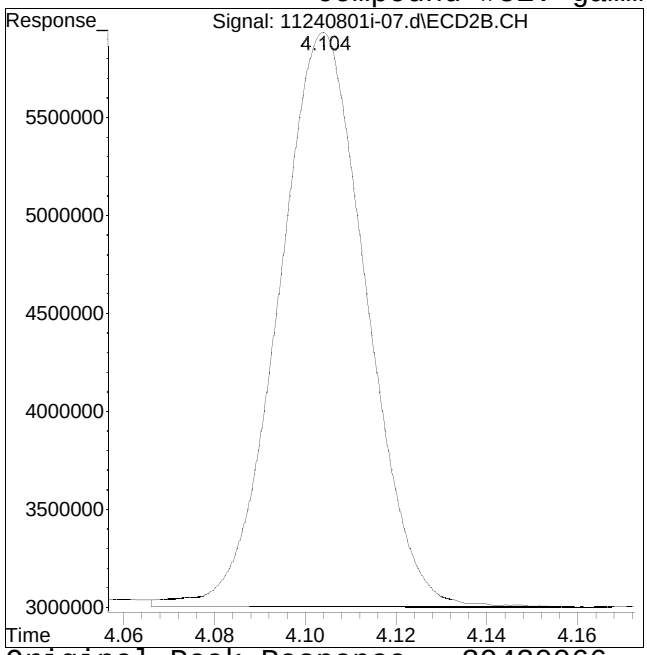
M4 = Poor automated baseline construction.

Manual Integration Report

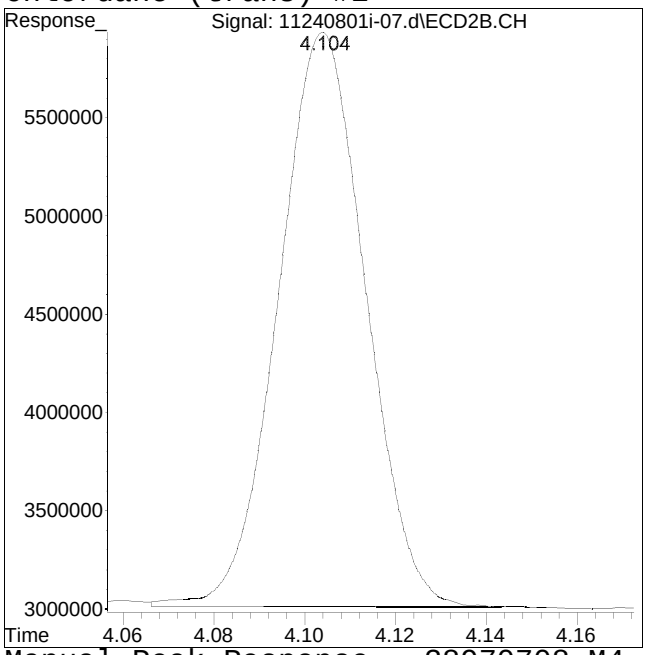
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 39430066



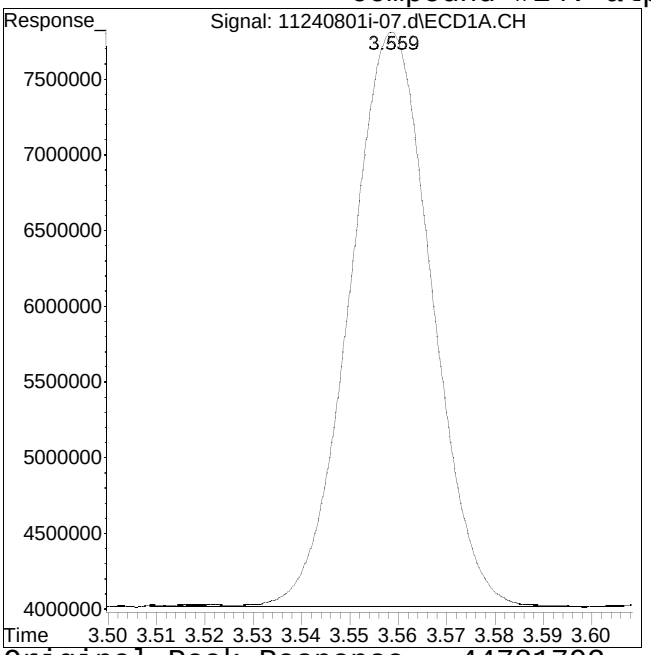
Manual Peak Response = 38970708 M4

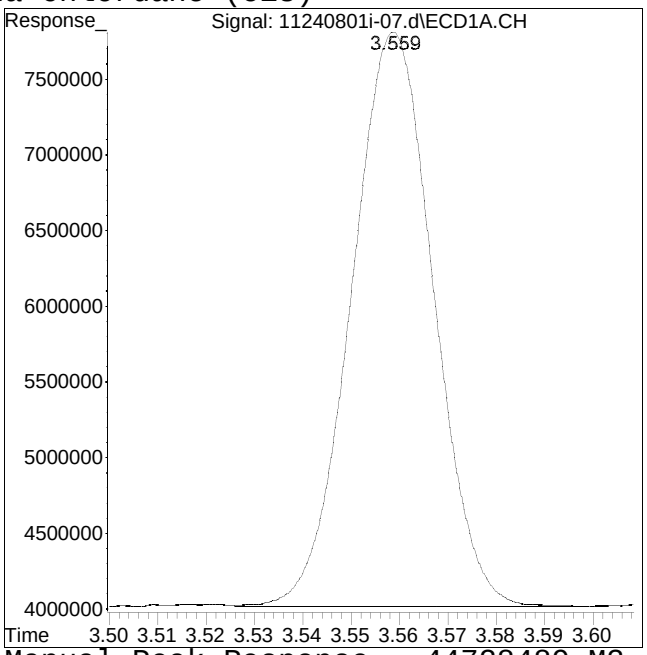
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #14: alpha-Chlordane (cis)



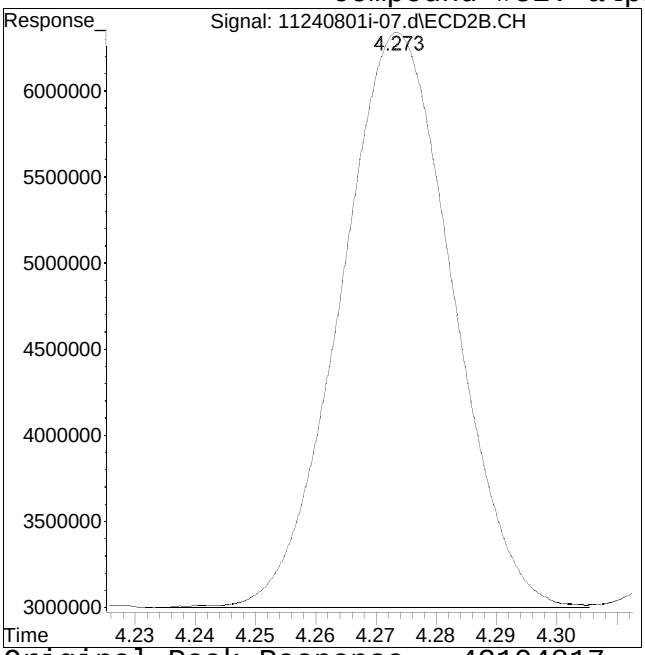


Original Peak Response = 44781792 Manual Peak Response = 44728489 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

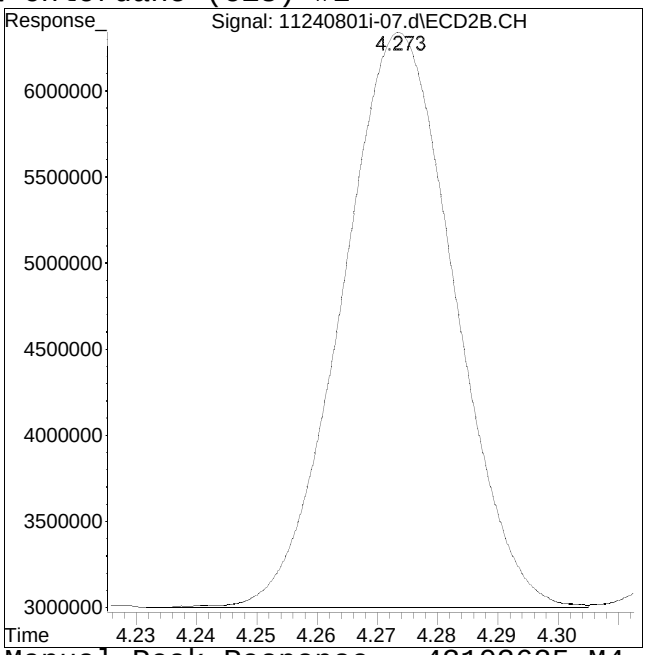
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 43104817



Manual Peak Response = 43103625 M4

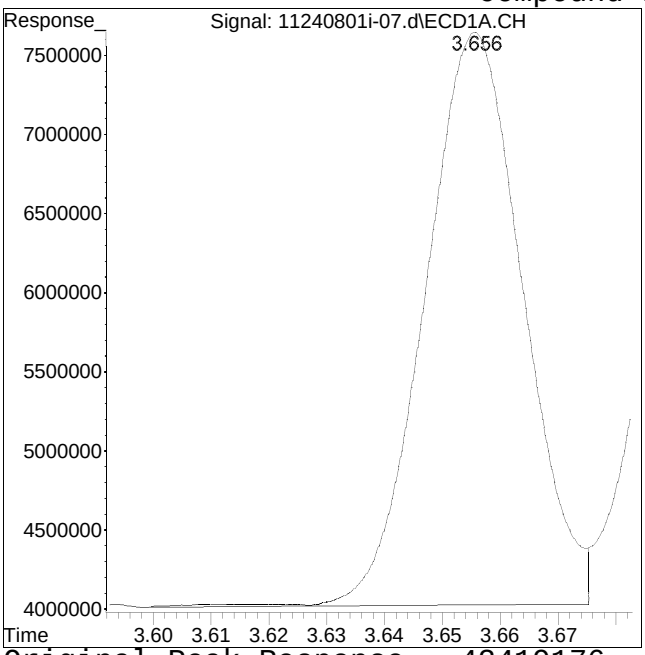
M4 = Poor automated baseline construction.

Manual Integration Report

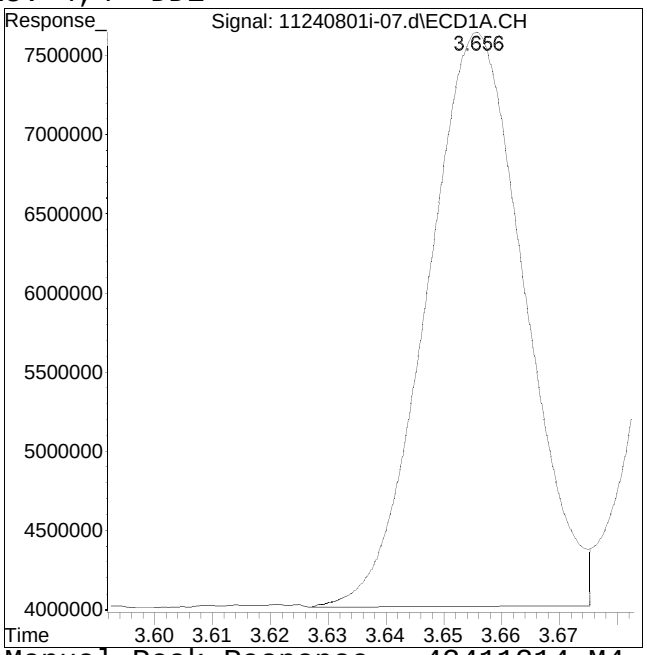
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #15: 4,4'-DDE



Original Peak Response = 42419176



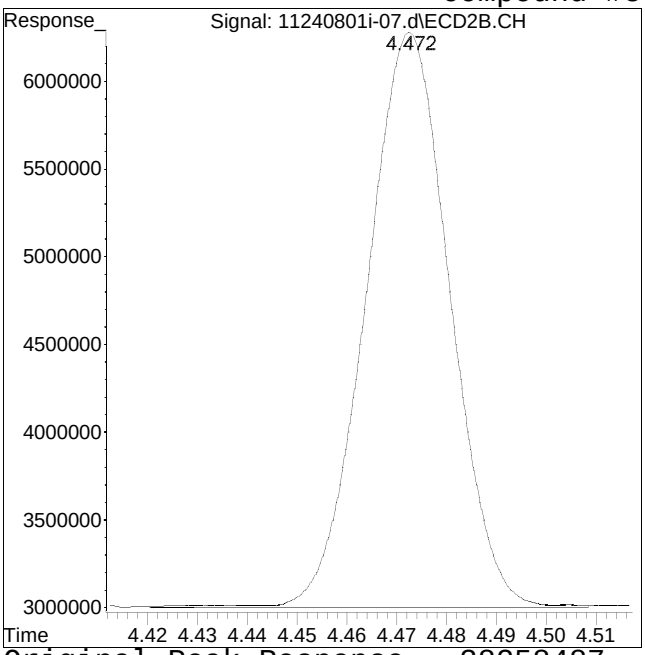
Manual Peak Response = 42411214 M4

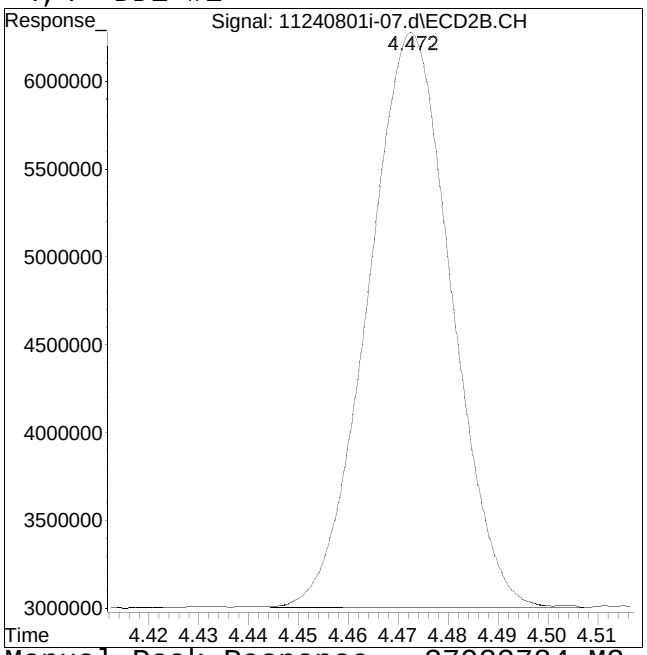
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #53: 4,4'-DDE #2



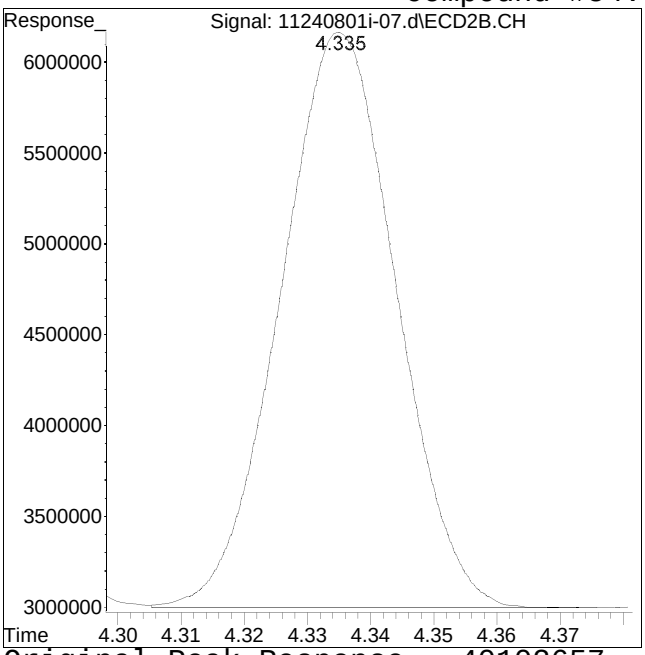


Original Peak Response = 38258487 Manual Peak Response = 37932784 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

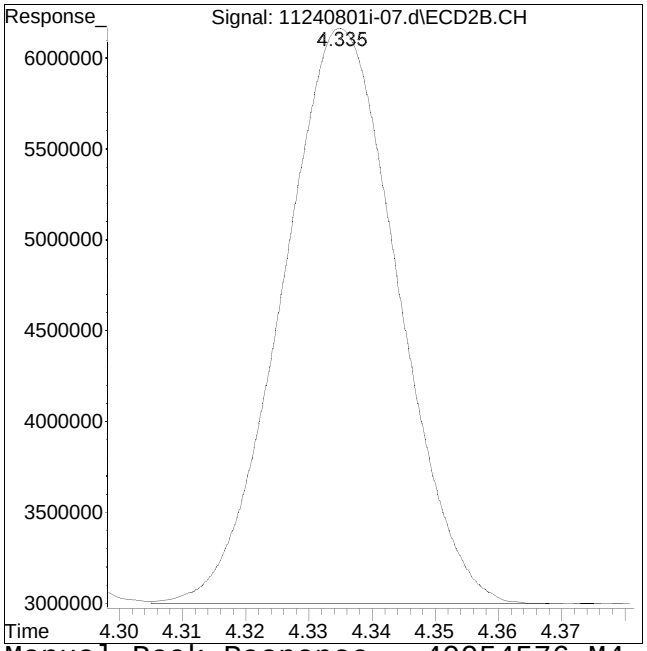
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #54: Endosulfan I #2



Original Peak Response = 40102657



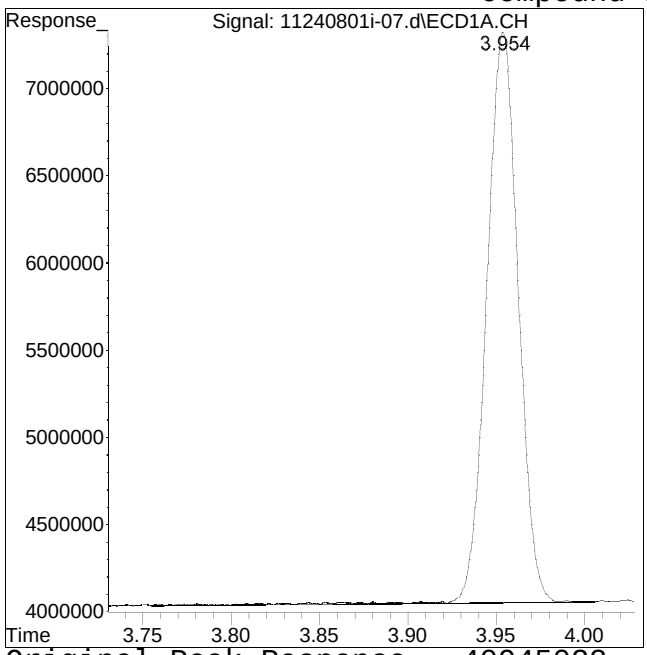
Manual Peak Response = 40054576 M4

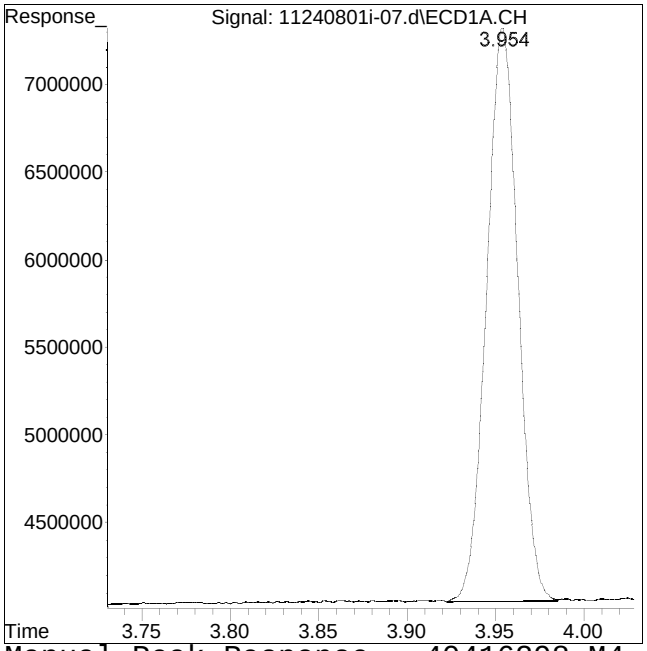
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #17: Dieldrin



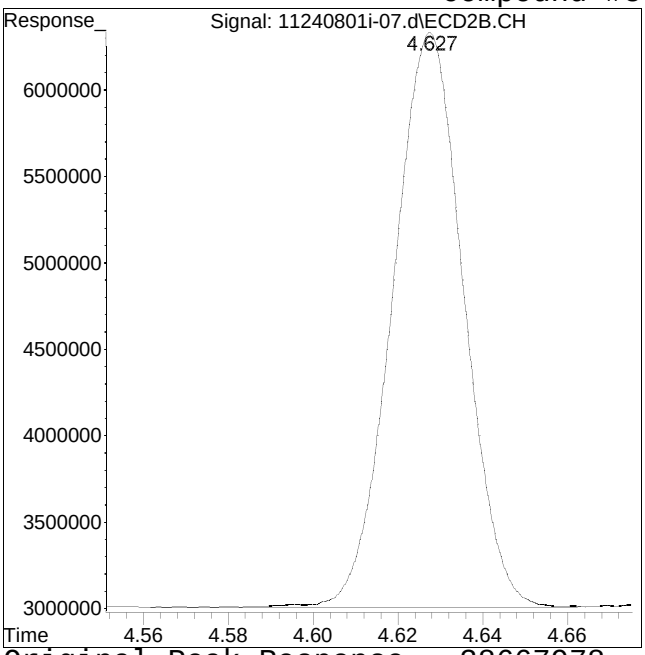


Original Peak Response = 40945022 Manual Peak Response = 40416298 M4
M4 = Poor automated baseline construction.

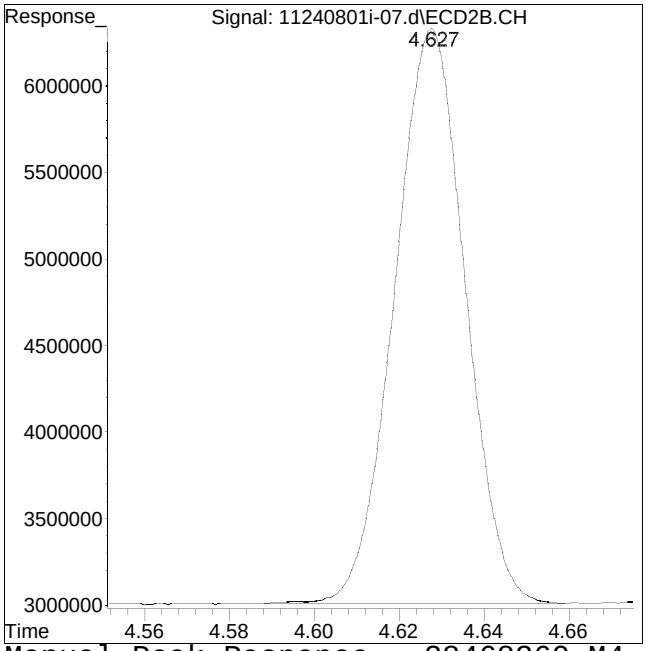
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #55: Dieldrin #2



Original Peak Response = 38667978



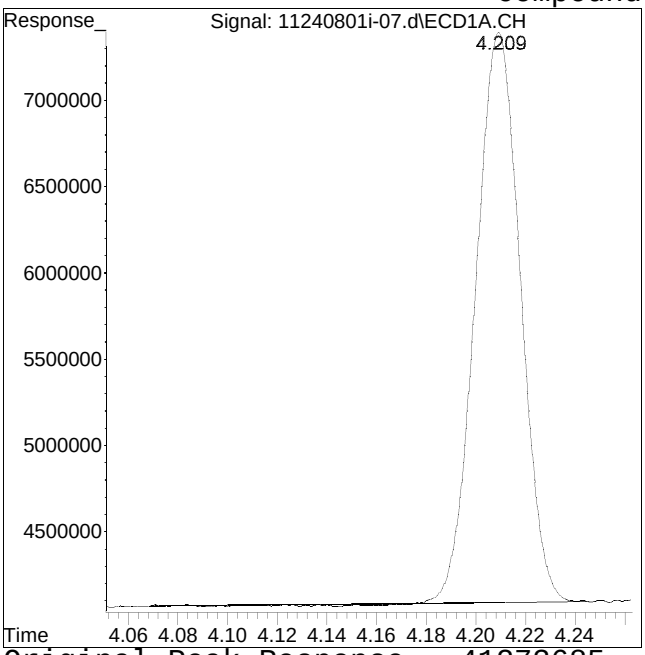
Manual Peak Response = 38468360 M4

M4 = Poor automated baseline construction.

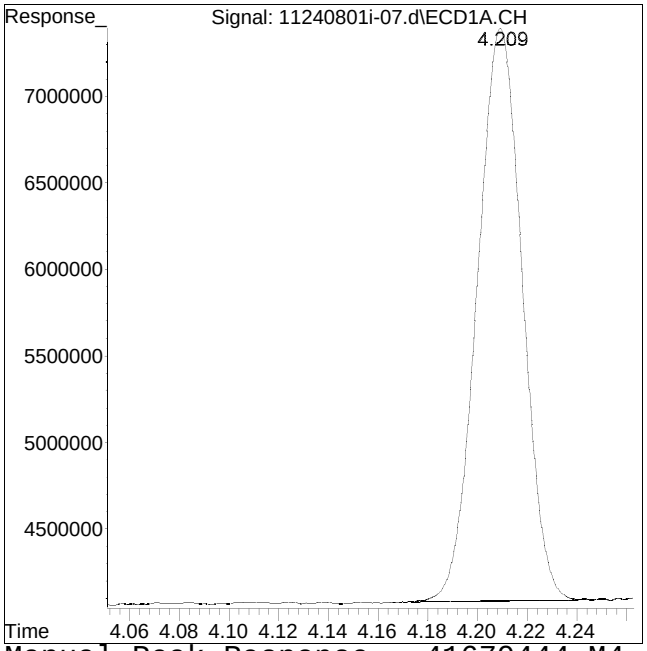
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #18: Endrin



Original Peak Response = 41273685



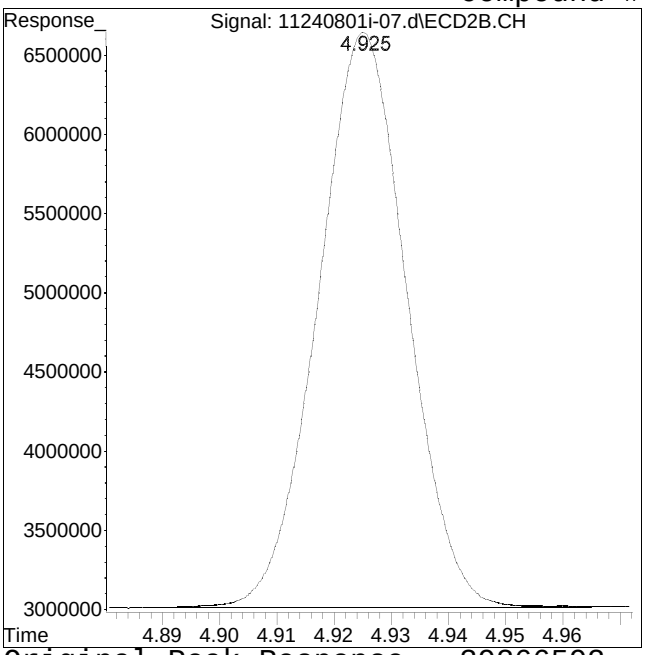
Manual Peak Response = 41670444 M4

M4 = Poor automated baseline construction.

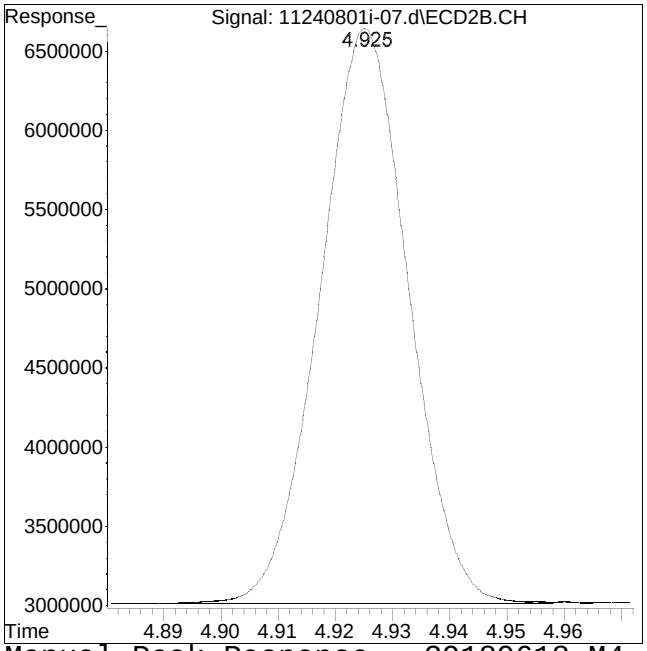
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #56: Endrin #2



Original Peak Response = 39266592



Manual Peak Response = 39189618 M4

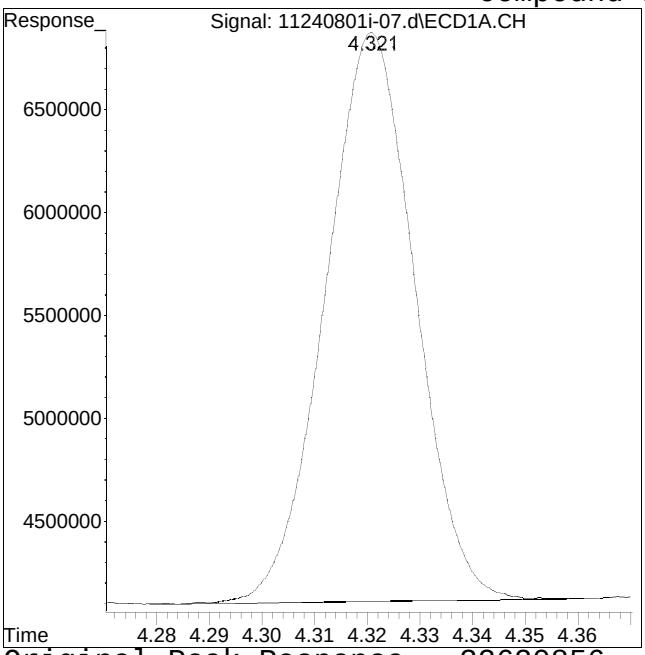
M4 = Poor automated baseline construction.

Manual Integration Report

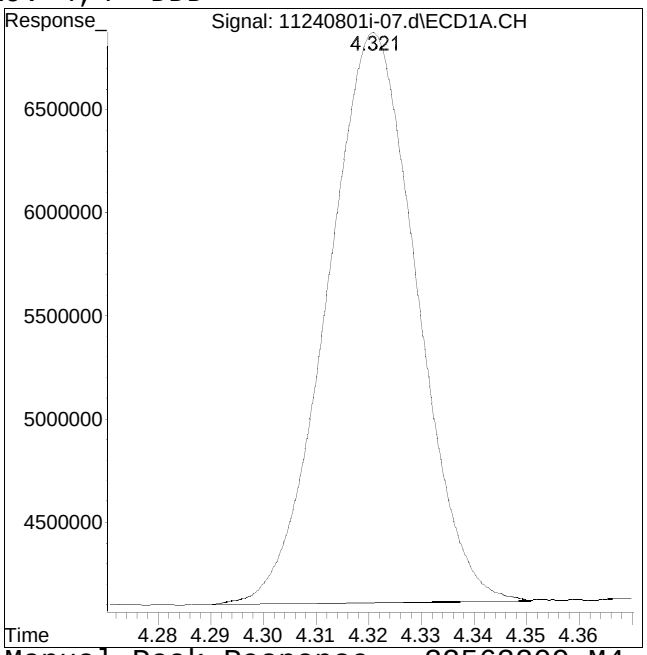
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #19: 4,4'-DDD



Original Peak Response = 32620856



Manual Peak Response = 32563209 M4

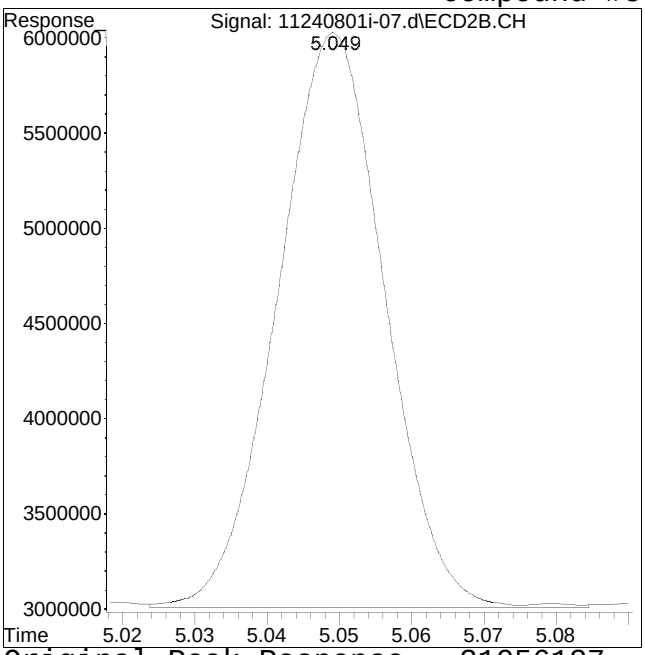
M4 = Poor automated baseline construction.

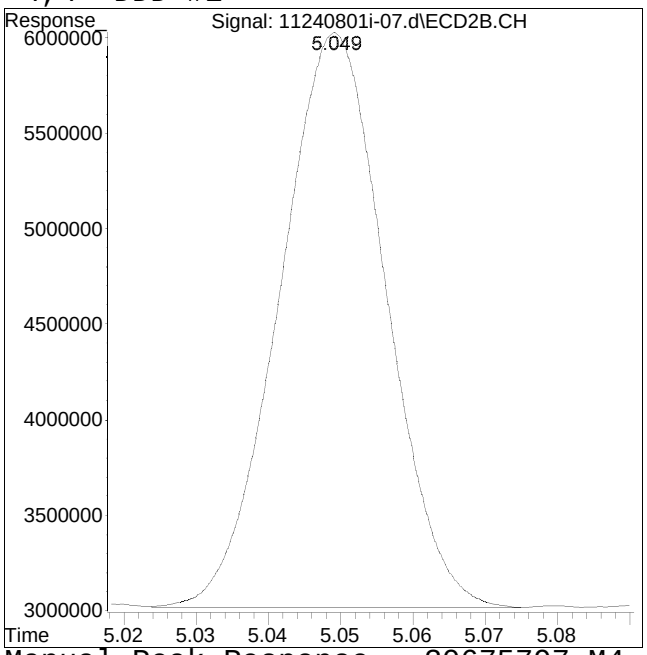
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #57: 4,4'-DDD #2



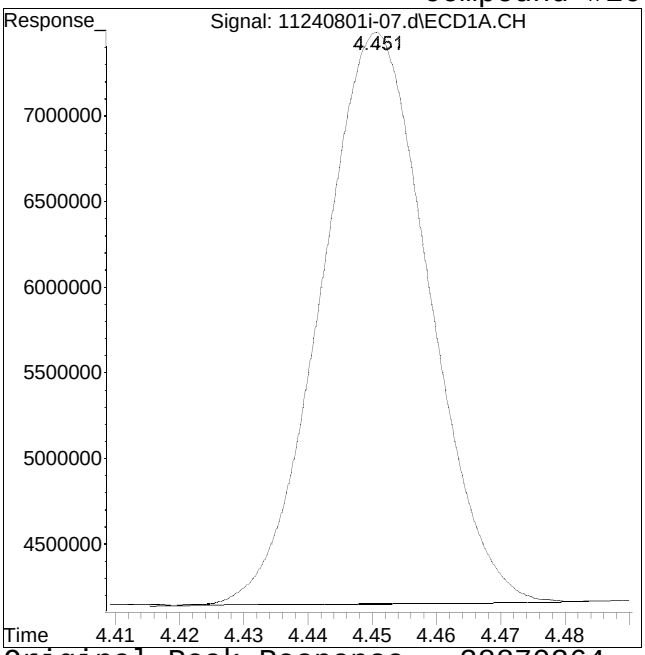


Original Peak Response = 31056127 Manual Peak Response = 30675797 M4
M4 = Poor automated baseline construction.

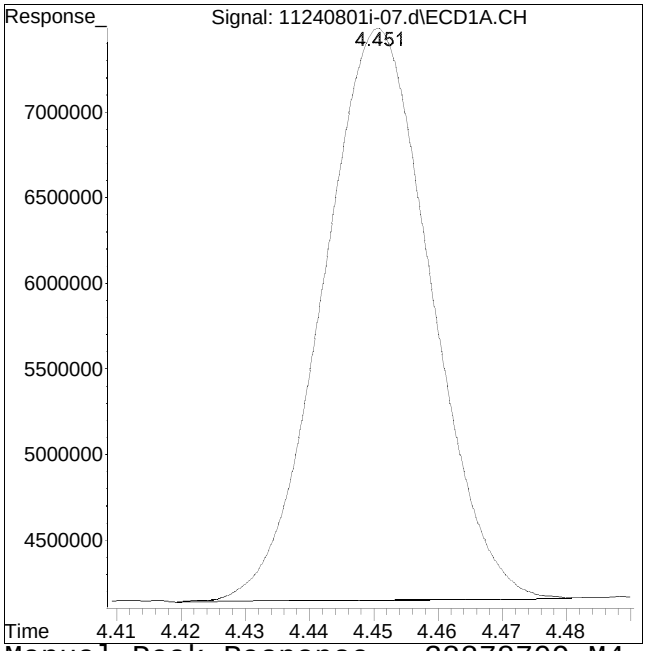
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #20: Endosulfan II



Original Peak Response = 38870364



Manual Peak Response = 38878709 M4

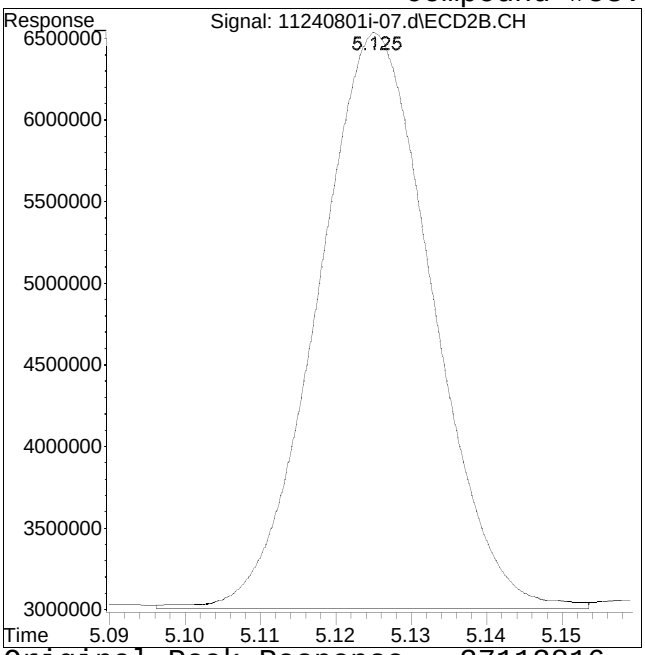
M4 = Poor automated baseline construction.

Manual Integration Report

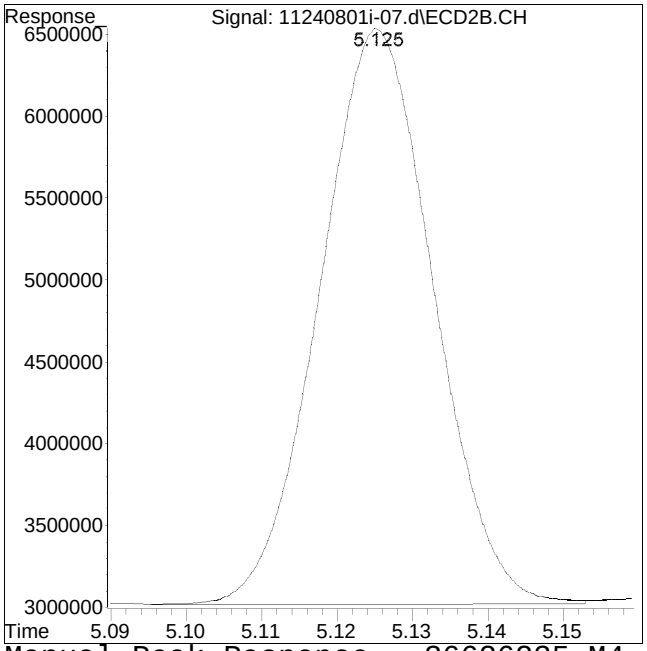
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #58: Endosulfan II #2



Original Peak Response = 37113816



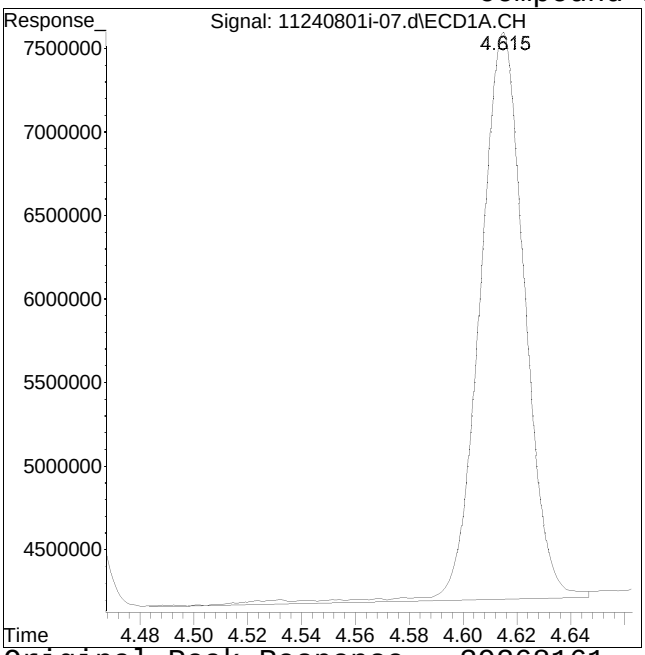
Manual Peak Response = 36626235 M4

M4 = Poor automated baseline construction.

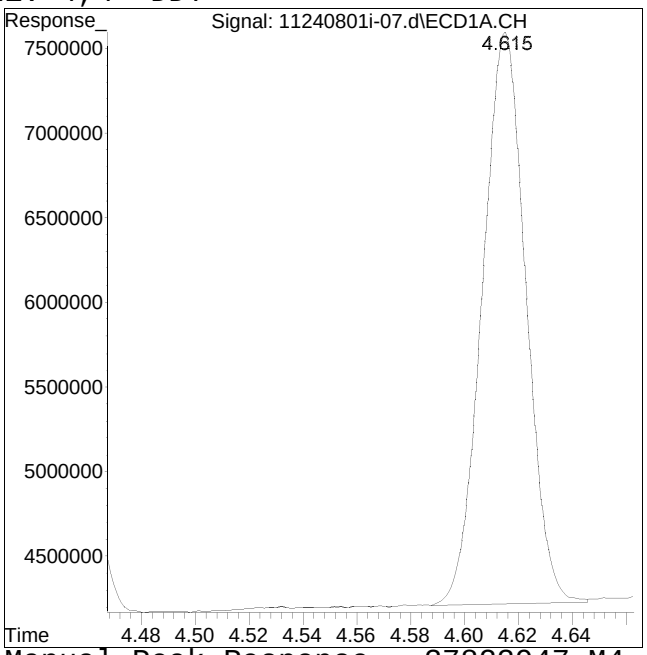
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #21: 4,4'-DDT



Original Peak Response = 39268161



Manual Peak Response = 37823947 M4

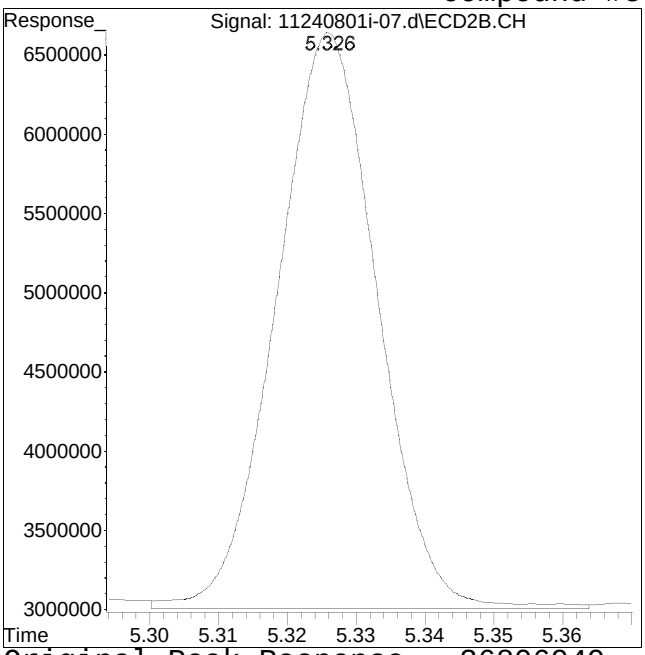
M4 = Poor automated baseline construction.

Manual Integration Report

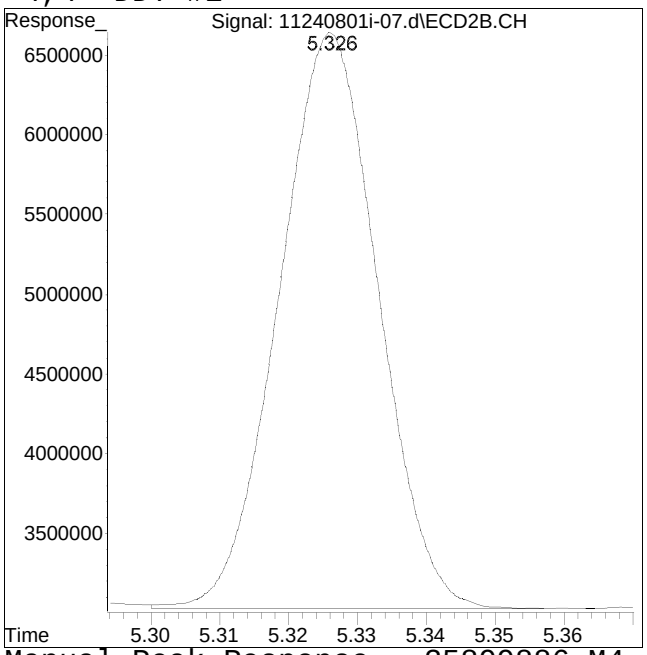
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 36806949



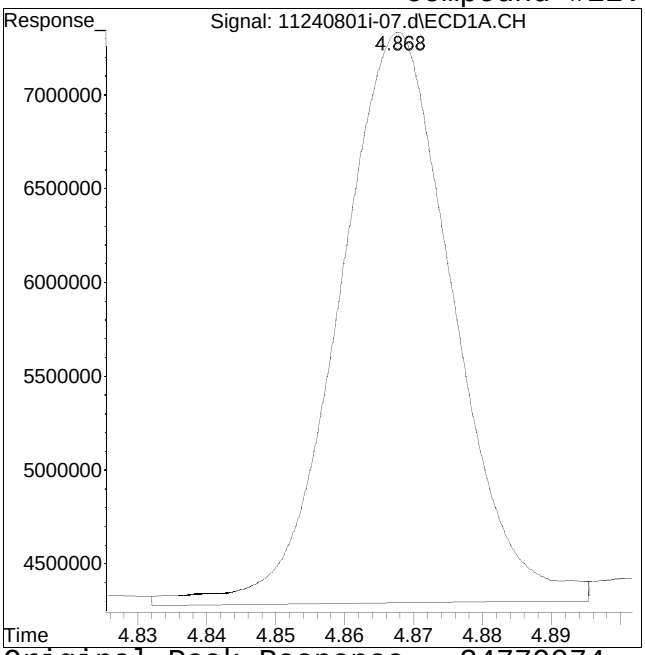
Manual Peak Response = 35899886 M4

M4 = Poor automated baseline construction.

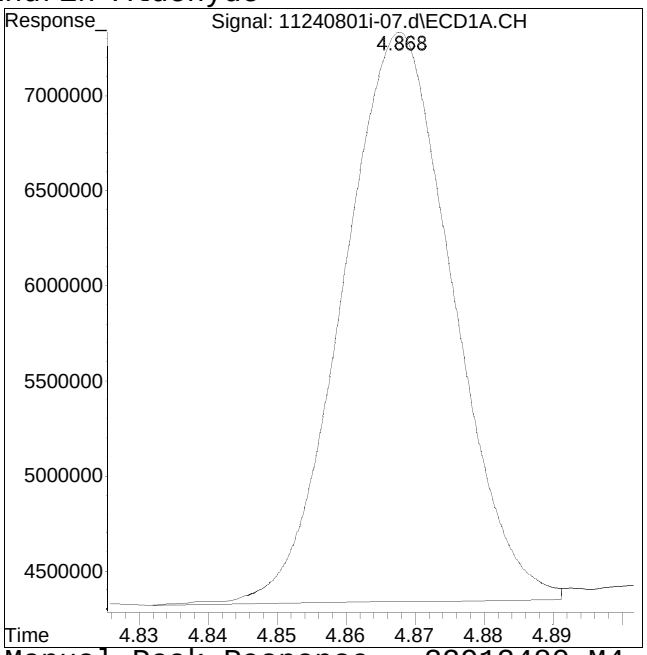
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #22: Endrin Aldehyde



Original Peak Response = 34779974



Manual Peak Response = 32912480 M4

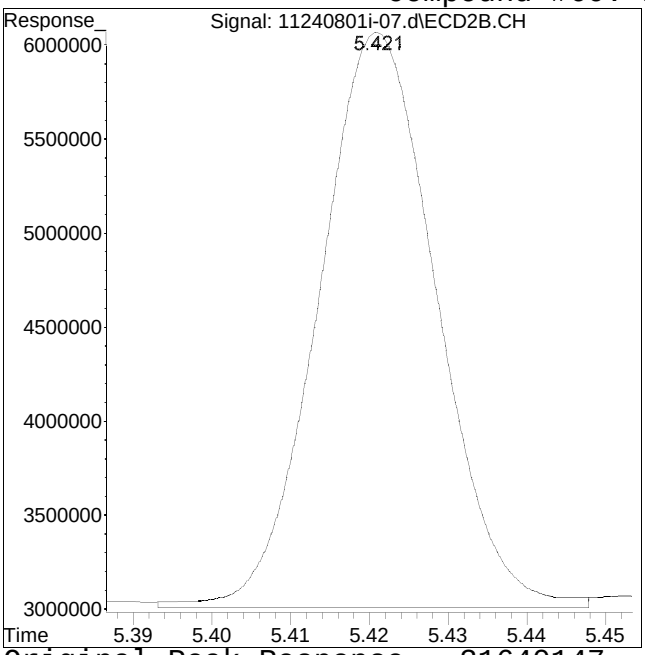
M4 = Poor automated baseline construction.

Manual Integration Report

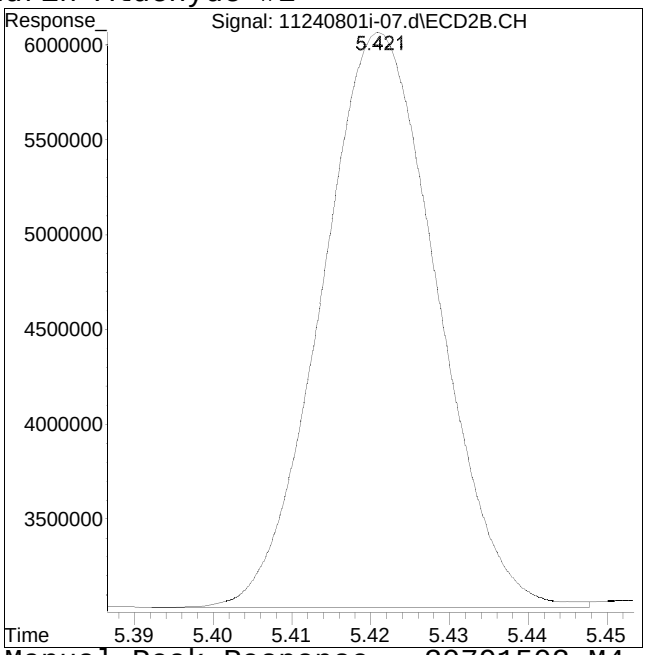
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 31640147



Manual Peak Response = 30791502 M4

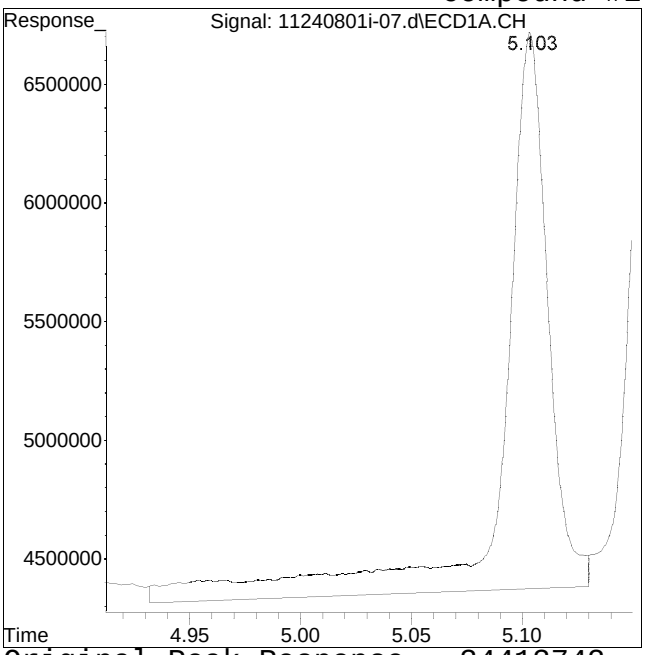
M4 = Poor automated baseline construction.

Manual Integration Report

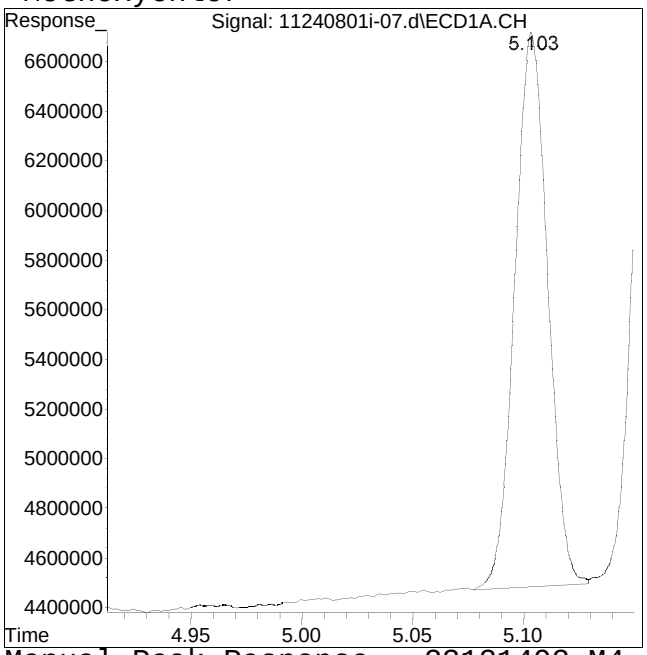
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #23: Methoxychlor



Original Peak Response = 34413742



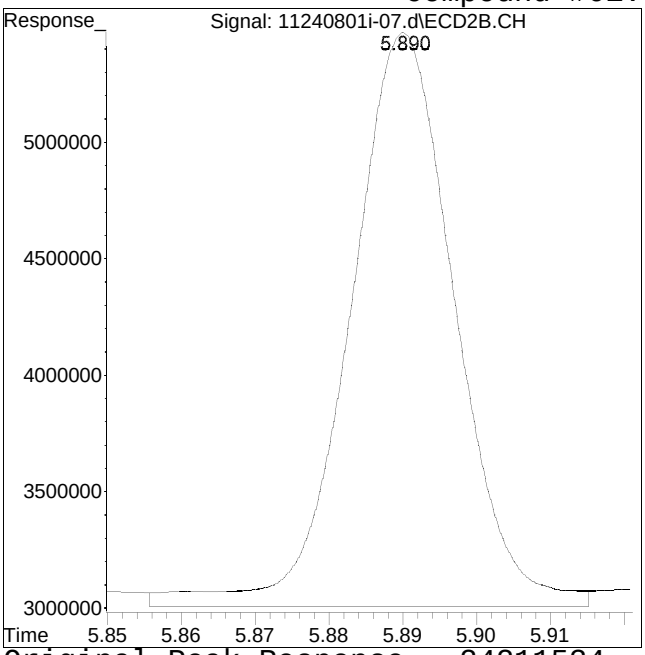
Manual Peak Response = 23121492 M4

M4 = Poor automated baseline construction.

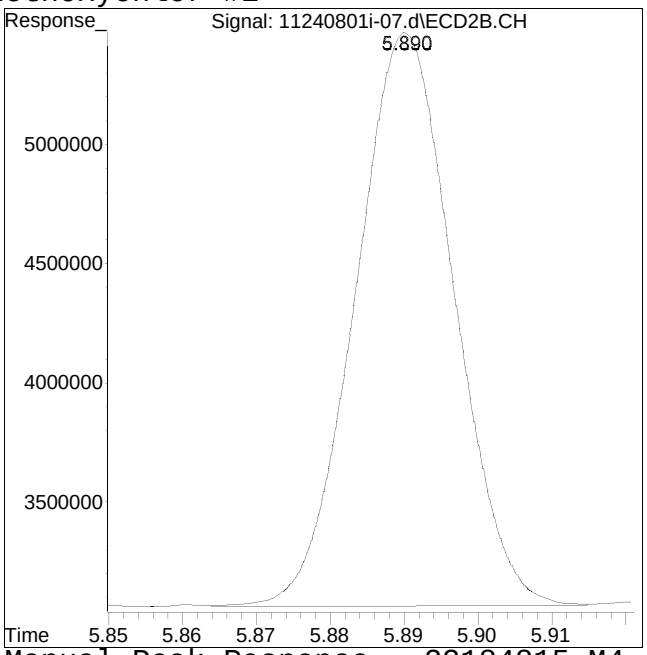
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #61: Methoxychlor #2



Original Peak Response = 24211534



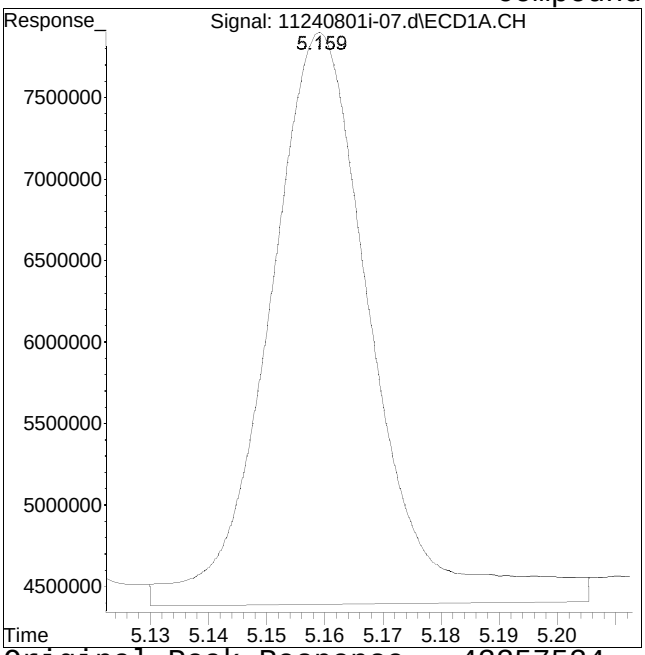
Manual Peak Response = 22184815 M4
M4 = Poor automated baseline construction.

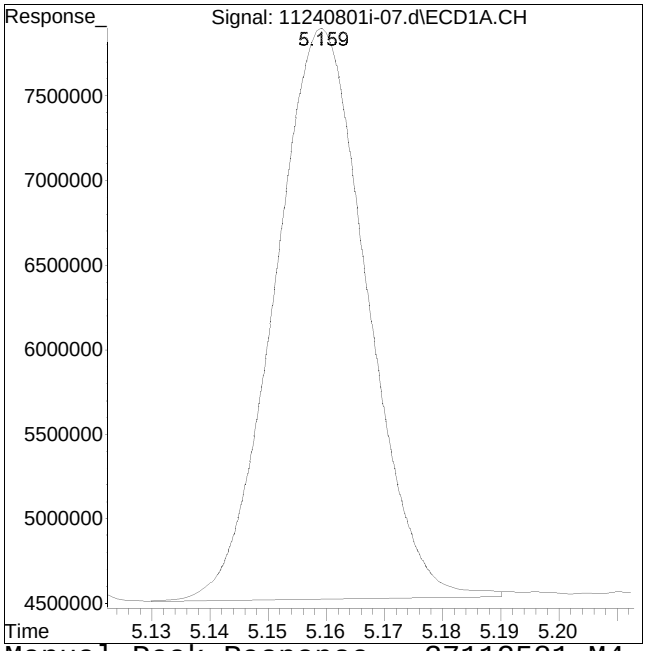
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #24: Mirex





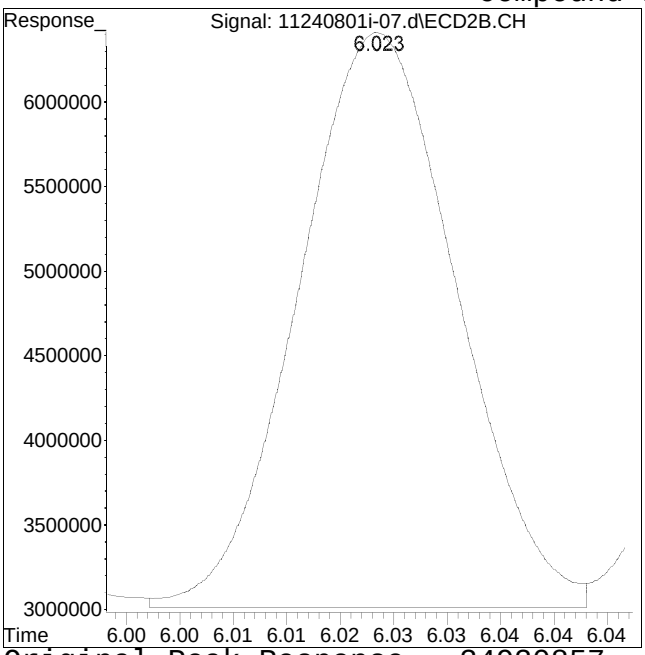
Original Peak Response = 43357534 Manual Peak Response = 37112581 M4
M4 = Poor automated baseline construction.

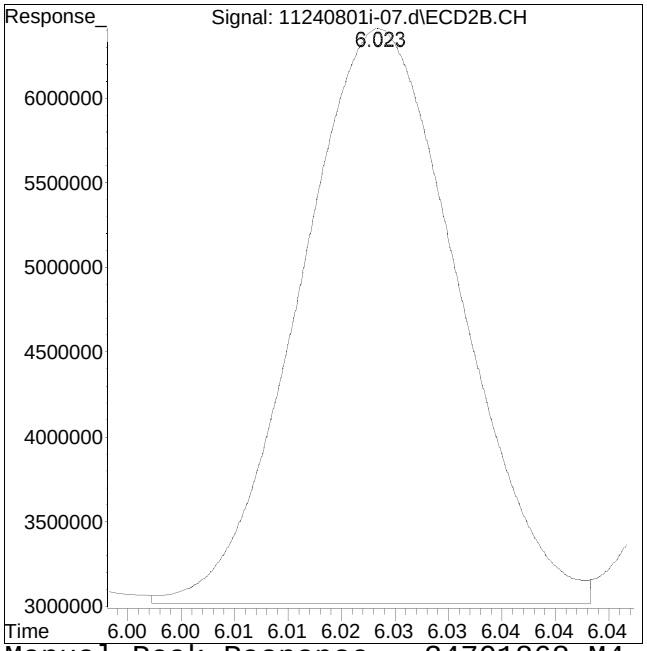
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #62: Mirex #2



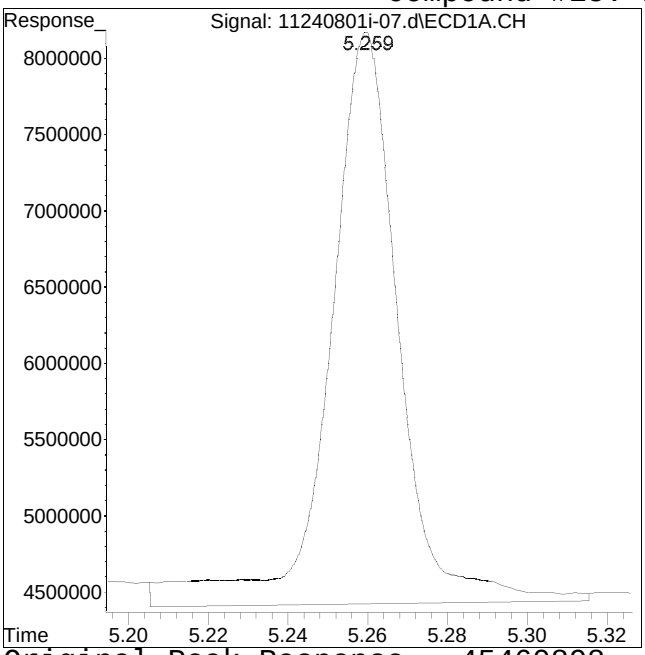


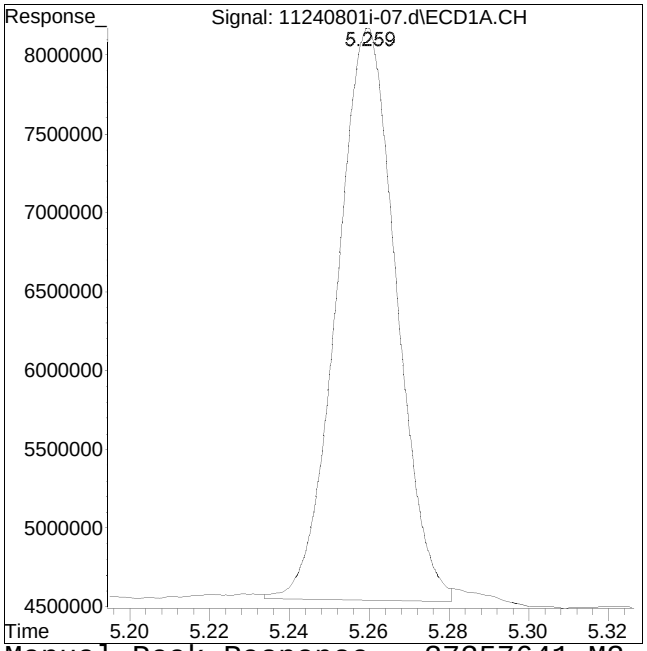
Original Peak Response = 34930857 Manual Peak Response = 34701868 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #25: Endosulfan Sulfate



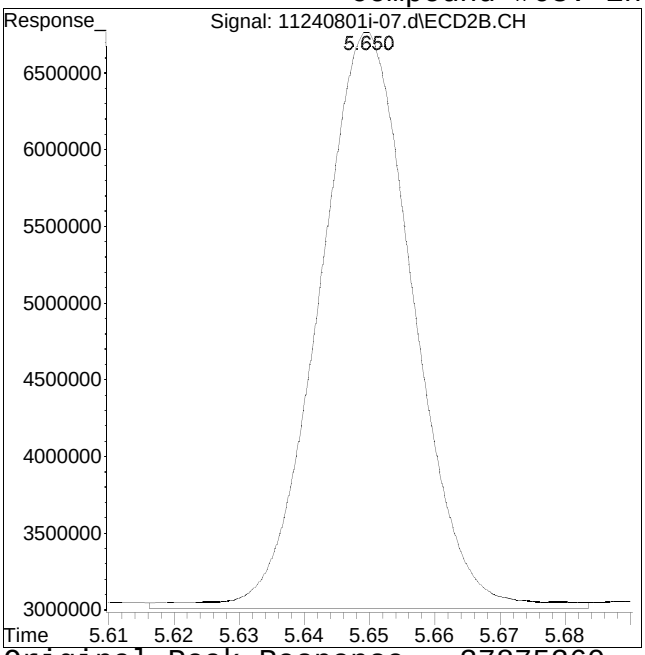


Original Peak Response = 45460898 Manual Peak Response = 37357641 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

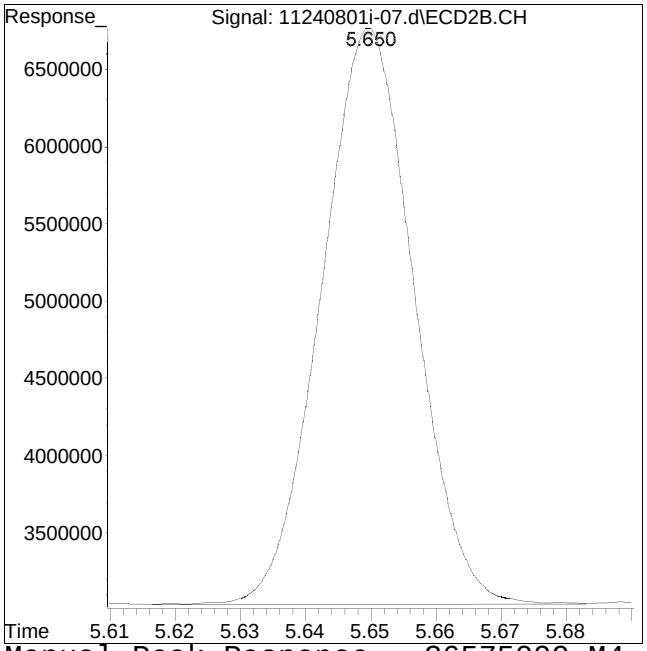
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 37875360



Manual Peak Response = 36575099 M4

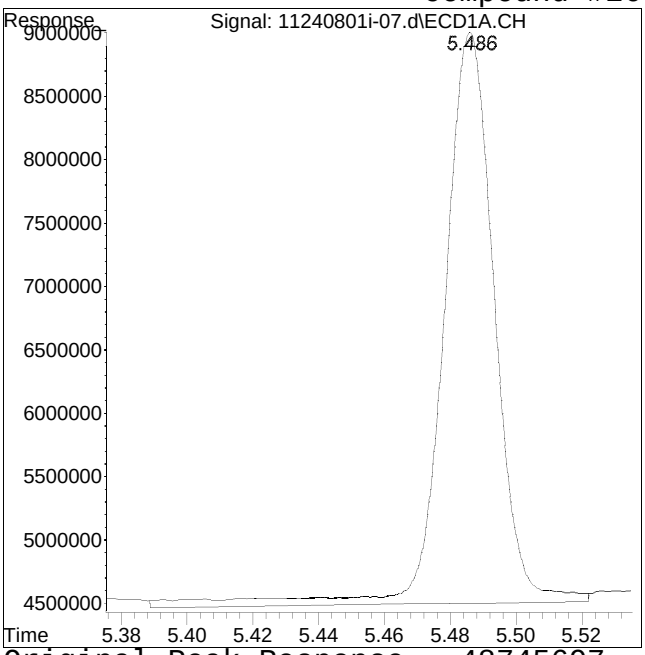
M4 = Poor automated baseline construction.

Manual Integration Report

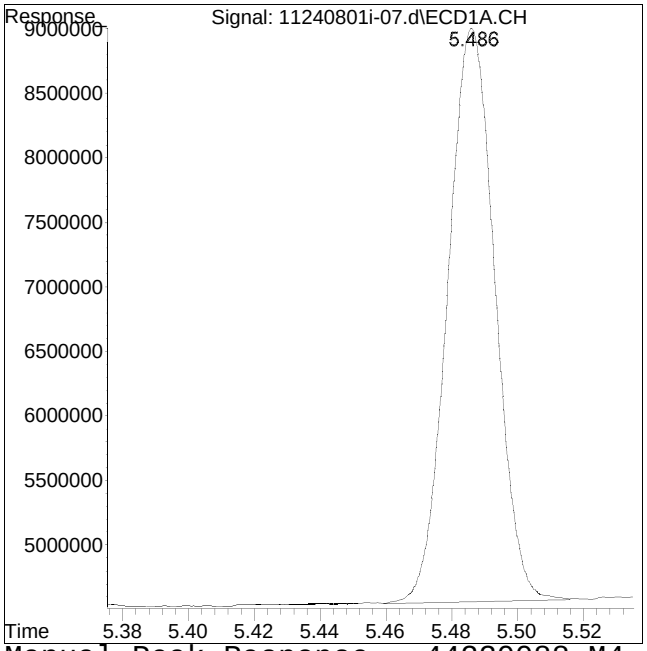
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #26: Endrin Ketone



Original Peak Response = 48745697



Manual Peak Response = 44230088 M4

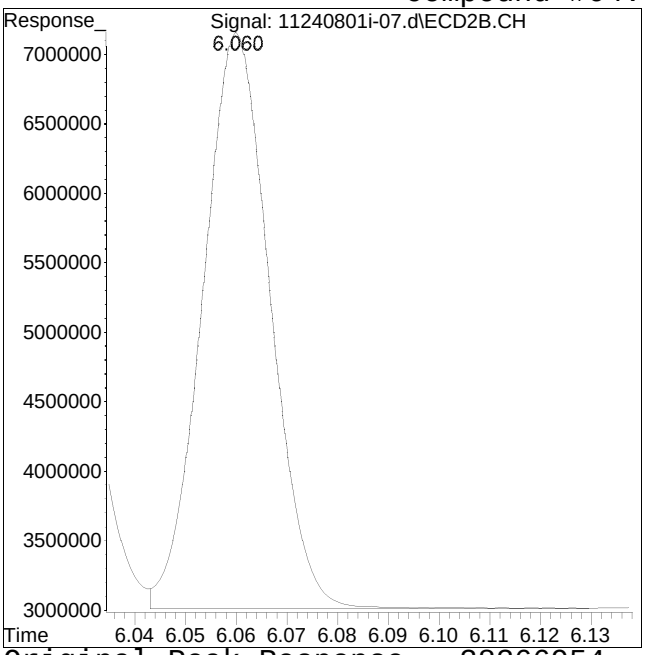
M4 = Poor automated baseline construction.

Manual Integration Report

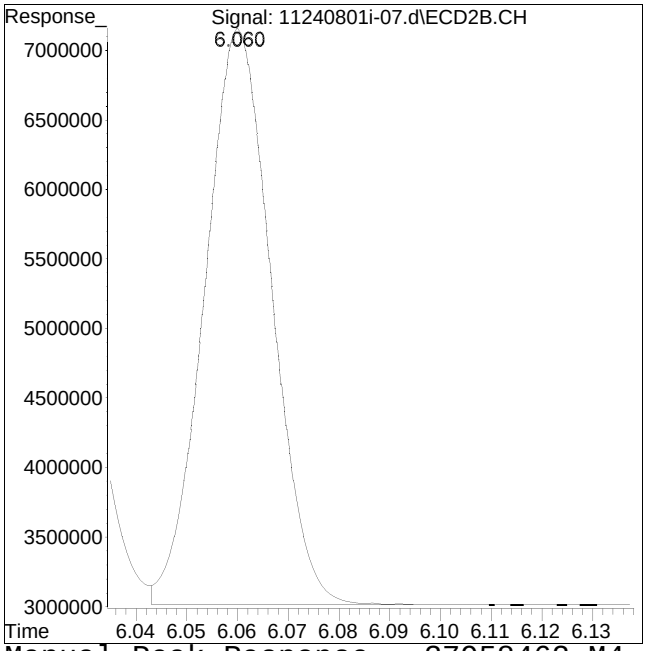
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #64: Endrin Ketone #2



Original Peak Response = 38366954



Manual Peak Response = 37958462 M4

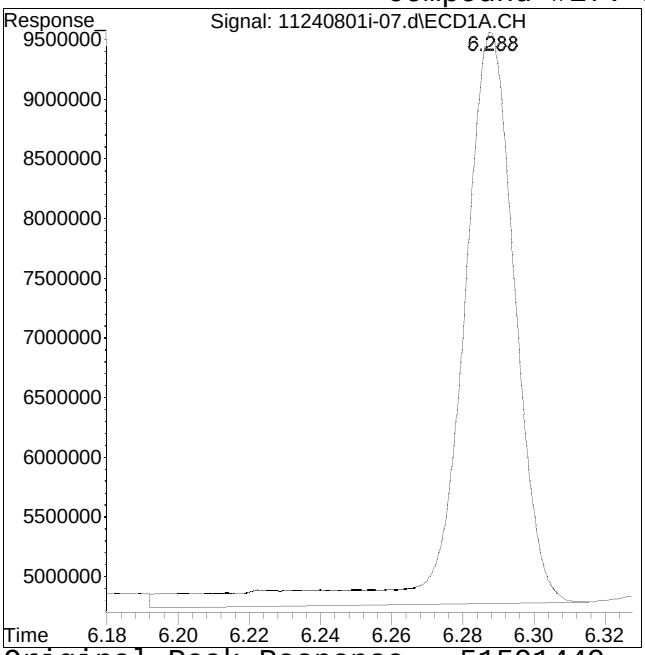
M4 = Poor automated baseline construction.

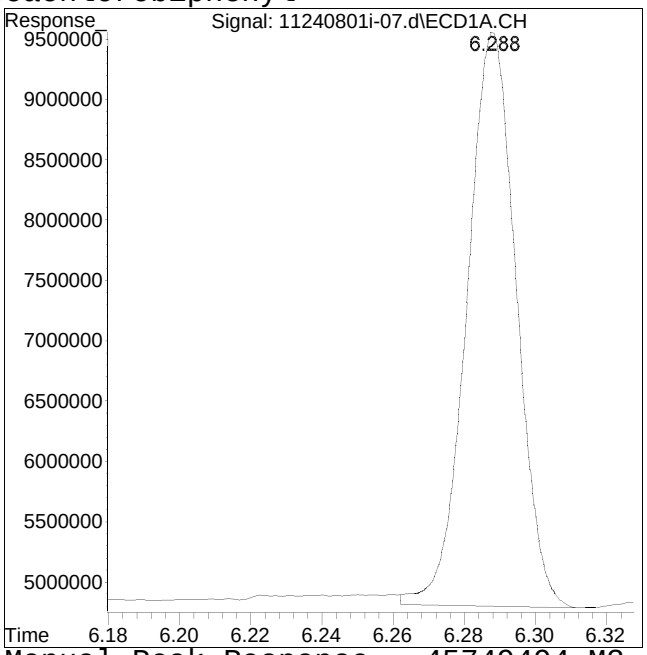
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #27: Decachlorobiphenyl





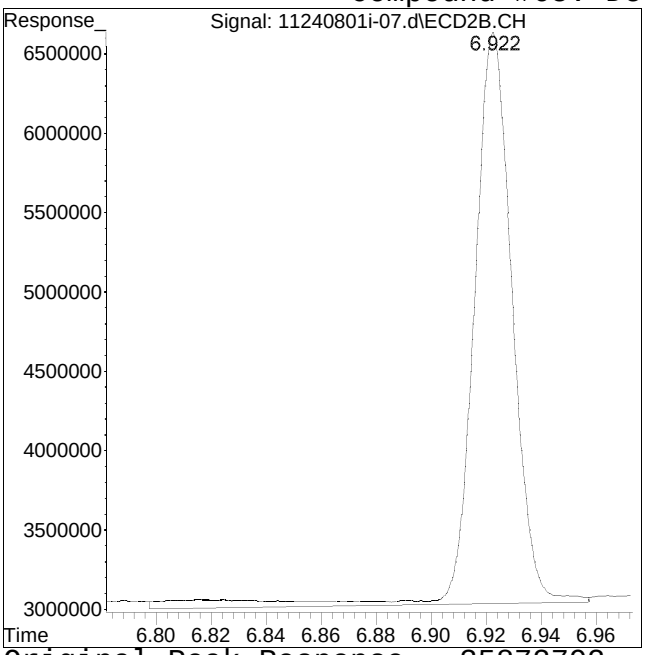
Original Peak Response = 51591449 Manual Peak Response = 45749494 M3

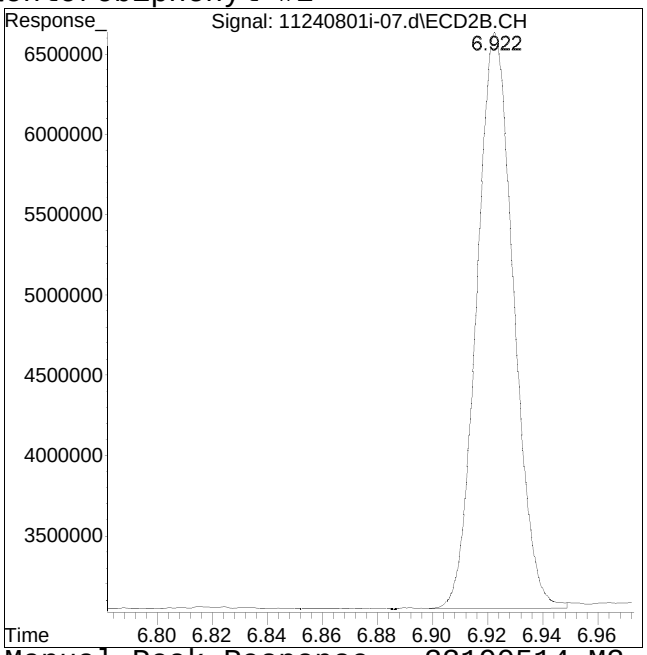
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 35872792 Manual Peak Response = 33190514 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:37
Operator : PEST11:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:46:08 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:46:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	230.2E6	183.2E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	94692243	79326112	10.009M3	10.112M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		20.02%#	20.22%#
27) s	Decachlorobi	6.288	6.926	105.6E6	76218538	11.126M4	11.124M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		22.25%#	22.25%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.178	128.7E6	87741303	10.612M3	10.546M4
4) t	alpha-BHC	1.963	2.271	131.5E6	113.4E6	8.927M4	8.964M4
5) t	gamma-BHC (l	2.165	2.556	124.7E6	105.7E6	9.208M4	9.281M4
6) t	beta-BHC	2.221	2.622	57666588	50690449	10.408M4	10.925M4
7) t	delta-BHC	2.349	2.889	123.1E6	105.8E6	8.948M4	9.082M4
8) t	Heptachlor	2.513	2.952	121.4E6	113.2E6	9.955M3	10.142M4
9) t	Aldrin	2.756	3.271	111.0E6	100.2E6	9.353M3	9.490
10) t	Alachlor	2.876	3.153	21898451	17688763	11.052M3	13.104M4
11) t	Chlorpyrifos	2.968	3.506	56598911	64282619	12.097M4	12.517M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:37
Operator : PEST11:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:46:08 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:46:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.884	109.2E6	100.6E6	10.102M3	10.320M4
13)	t	gamma-Chlord	3.424	4.104	96157290	90465298	9.543M4	9.961M4
14)	t	alpha-Chlord	3.558	4.274	110.5E6	101.3E6	9.760M3	10.124M4
15)	t	4,4'-DDE	3.656	4.473	107.5E6	93263696	9.325M4	9.283M4
16)	t	Endosulfan I	3.695	4.335	102.4E6	94144855	9.968	10.358M4
17)	t	Dieldrin	3.954	4.627	102.5E6	92864186	9.418M4	9.671M3
18)	t	Endrin	4.209	4.925	105.4E6	94579708	9.682M4	9.746M4
19)	t	4,4'-DDD	4.321	5.049	82871356	75210993	9.153M4	9.330M4
20)	t	Endosulfan I	4.451	5.125	97072990	86490847	10.043	10.443M4
21)	t	4,4'-DDT	4.615	5.326	95391216	87653270	9.380M4	9.565M4
22)	t	Endrin Aldeh	4.868	5.421	80826935	71991100	9.975M3	10.462M3
23)	t	Methoxychlor	5.104	5.890	55896006	50960693	11.325M4	11.378M3
24)	t	Mirex	5.159	6.024	88807138	77737040	11.134M3	11.745
25)	t	Endosulfan S	5.259	5.650	92158727	84950349	10.221M3	10.550M4
26)	t	Endrin Keton	5.486	6.060	110.5E6	91234131	10.280M4	10.487M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:37
Operator : PEST11:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:46:08 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:46:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

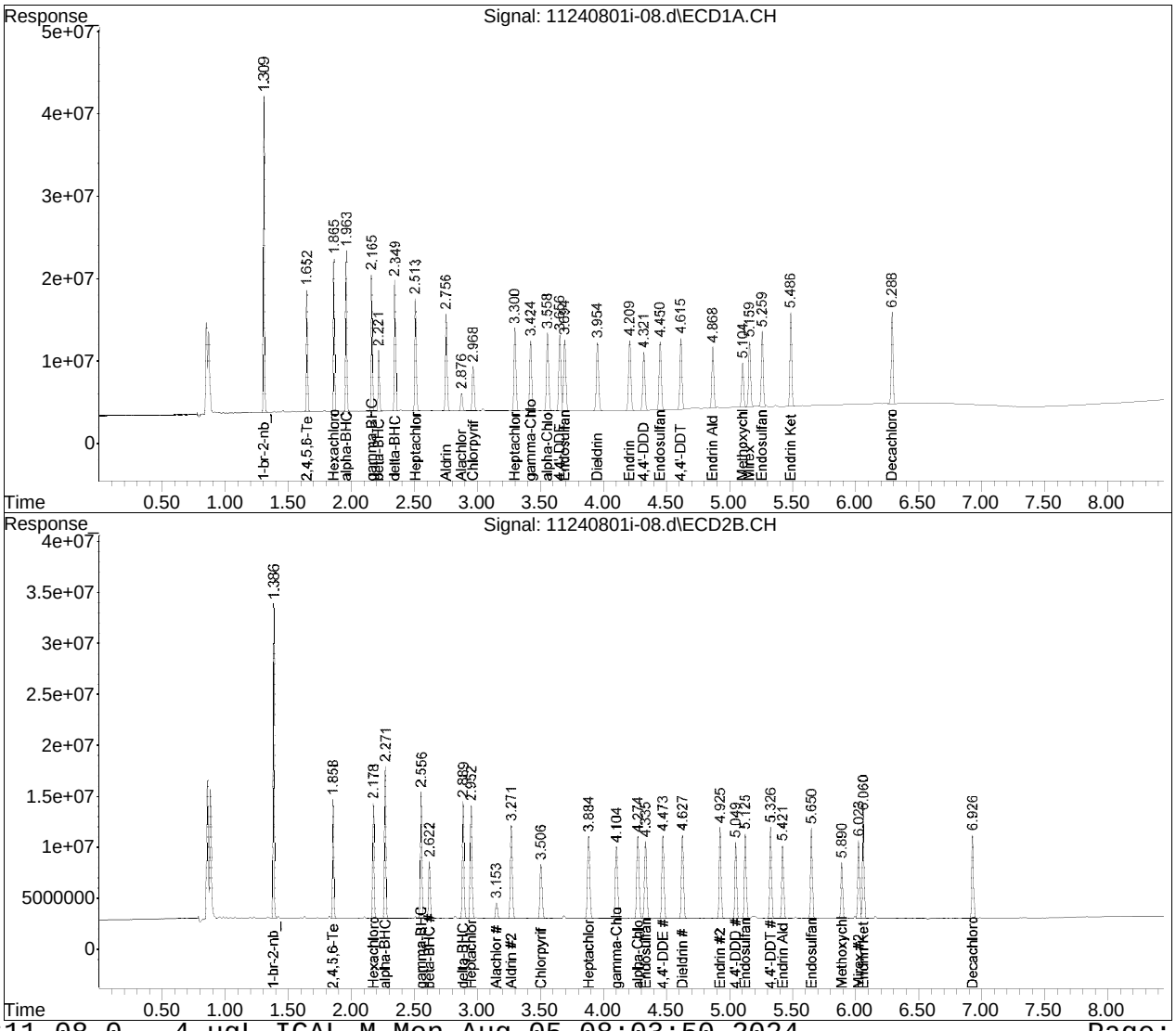
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:37
Operator : PEST11:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:46:08 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:46:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

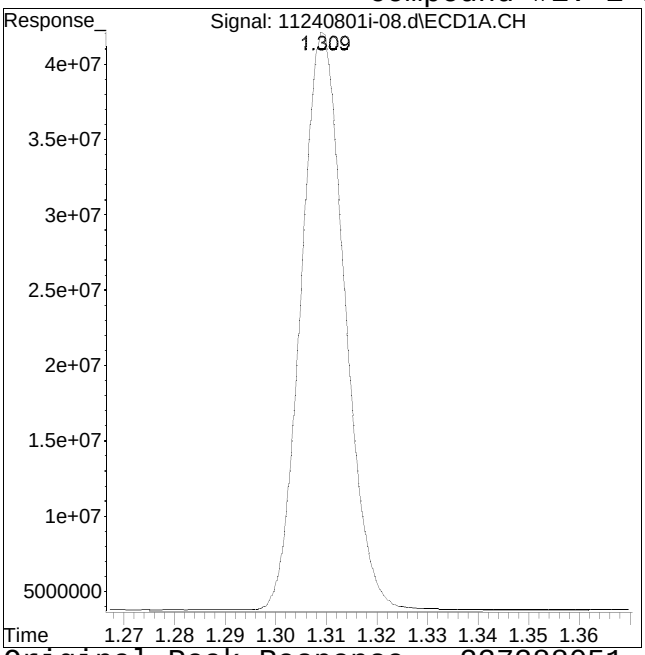
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

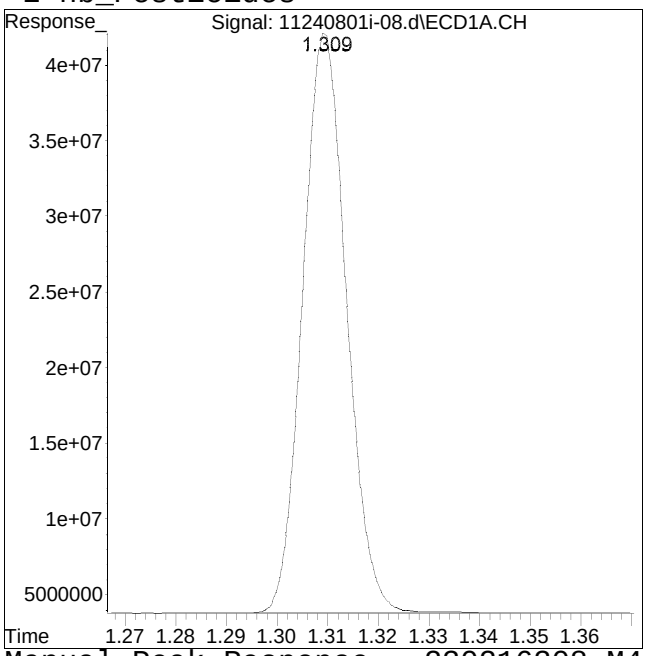


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #1: 1-br-2-nb_Pesticides



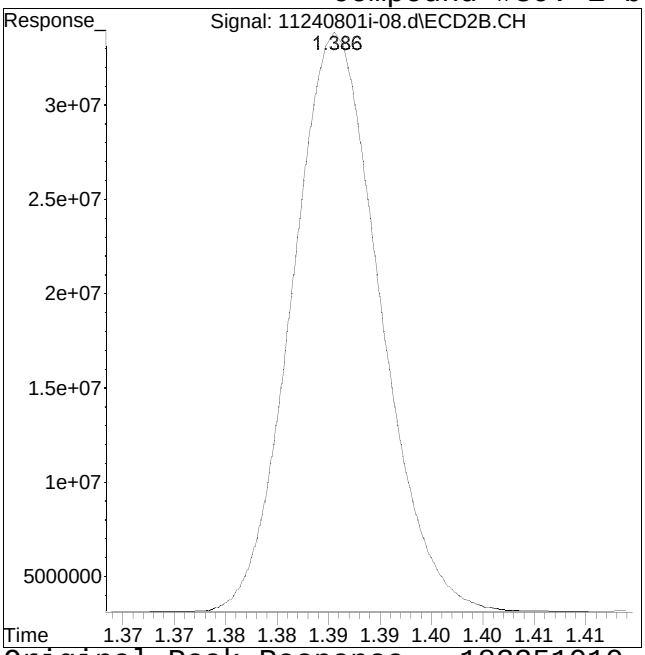


Original Peak Response = 237388051 Manual Peak Response = 230216308 M4
M4 = Poor automated baseline construction.

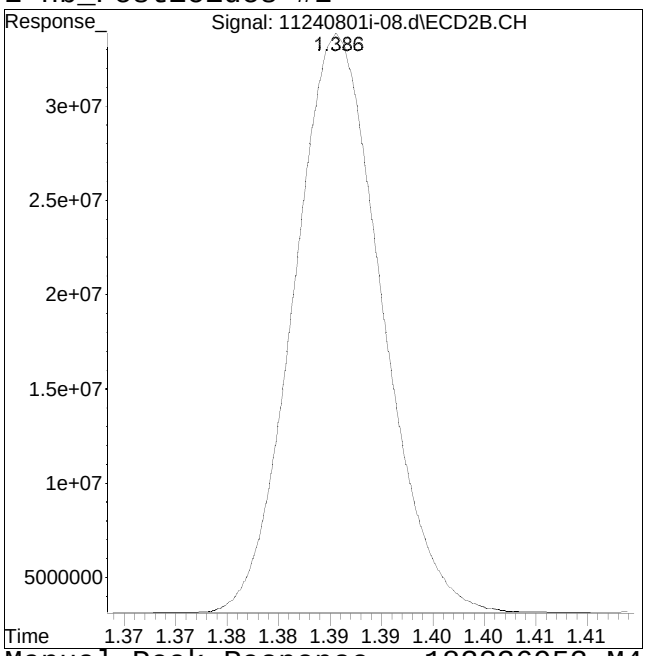
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 183351910



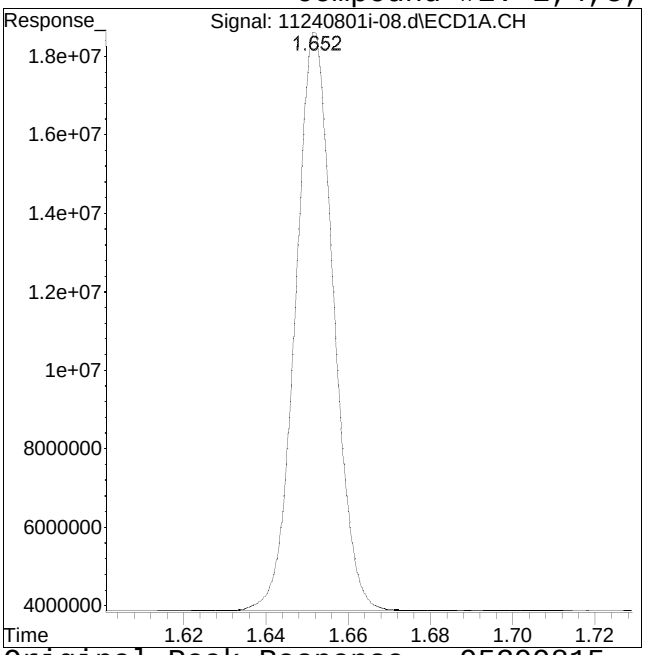
Manual Peak Response = 183236953 M4

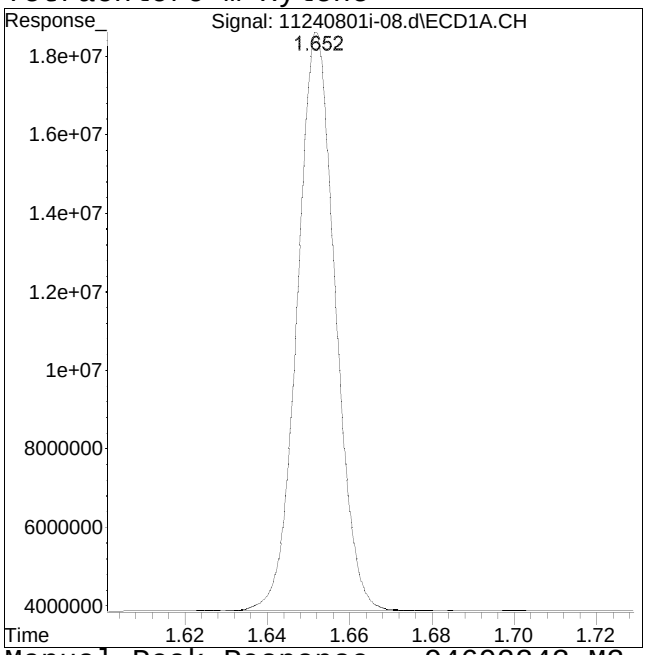
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





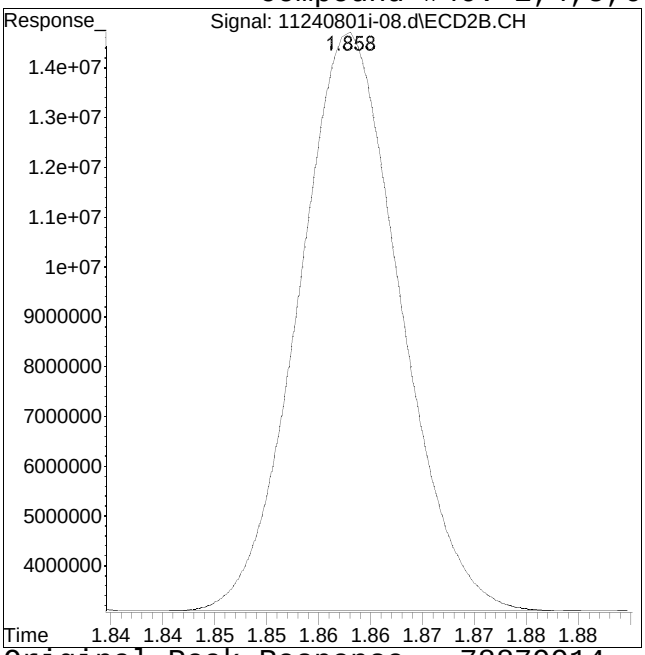
Original Peak Response = 95399815 Manual Peak Response = 94692243 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

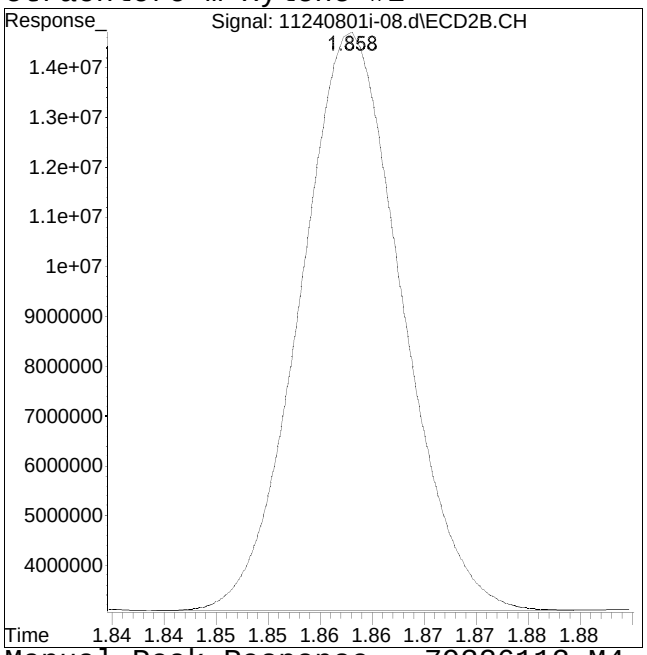
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 78879914



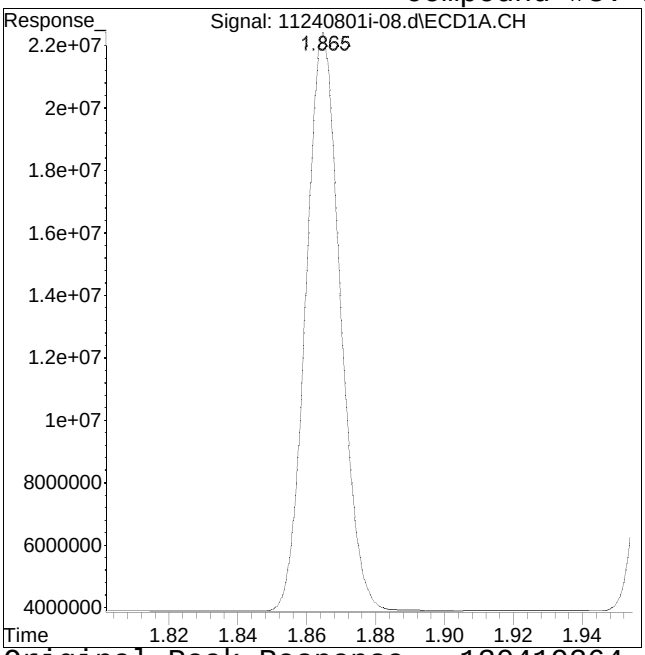
Manual Peak Response = 79326112 M4

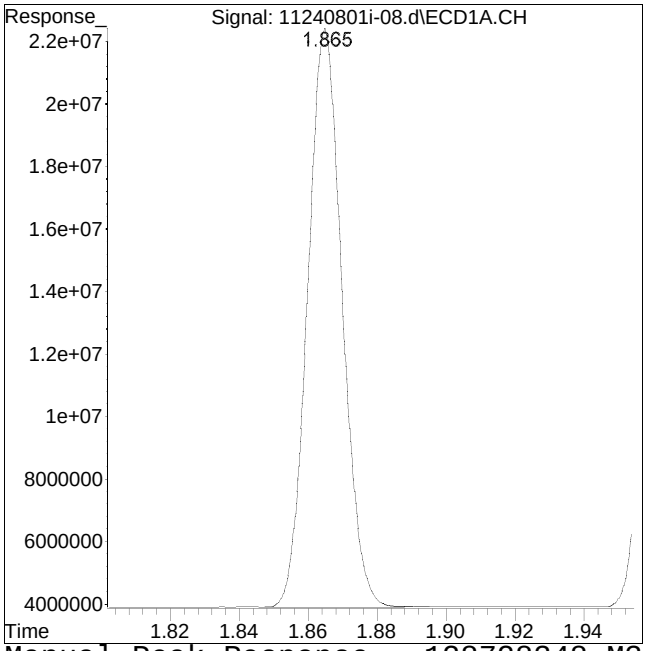
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #3: Hexachlorobenzene



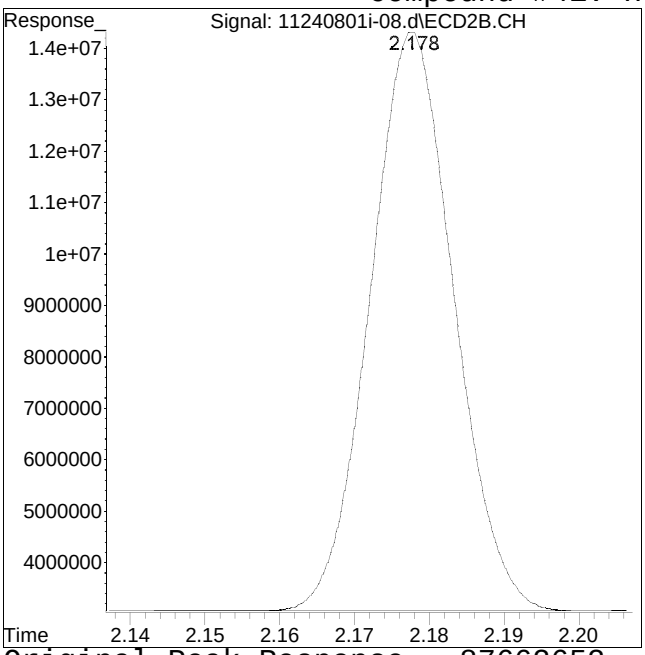


Original Peak Response = 130419364 Manual Peak Response = 128728348 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

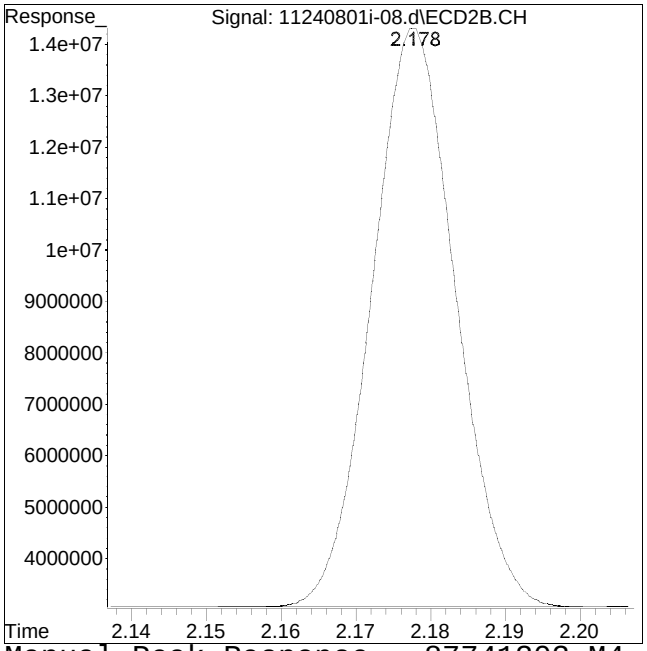
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 87662652



Manual Peak Response = 87741303 M4

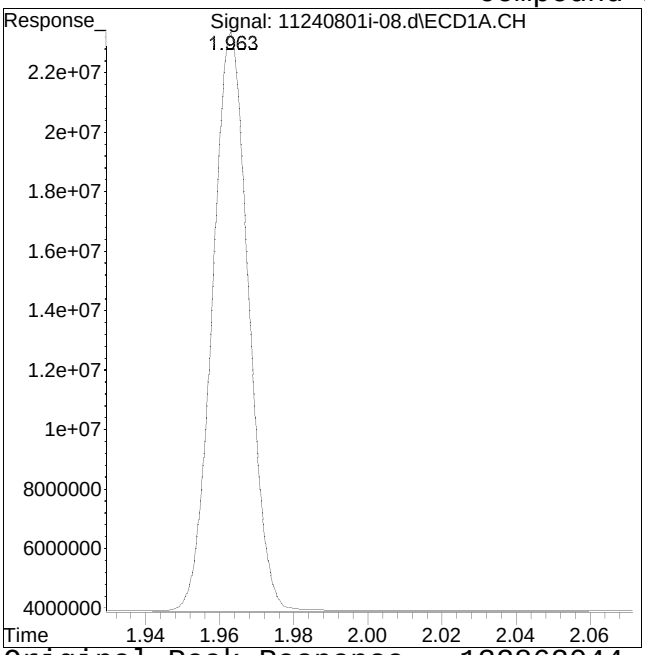
M4 = Poor automated baseline construction.

Manual Integration Report

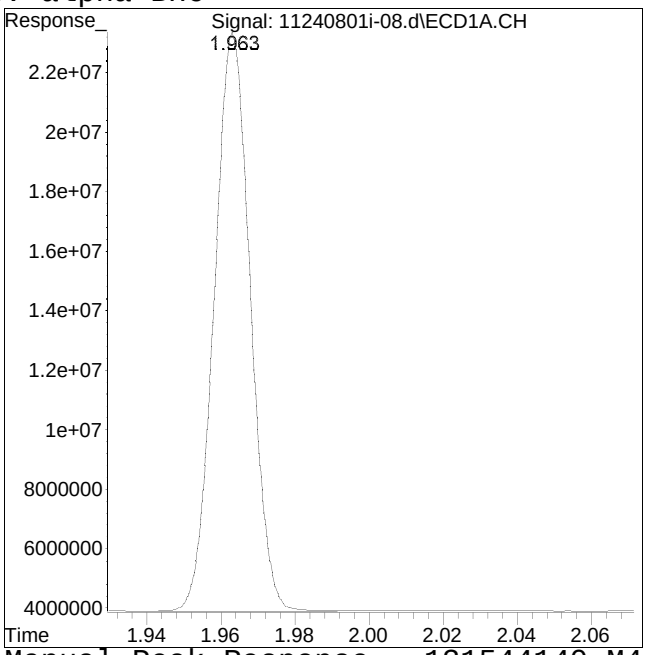
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #4: alpha-BHC



Original Peak Response = 132862044



Manual Peak Response = 131544140 M4

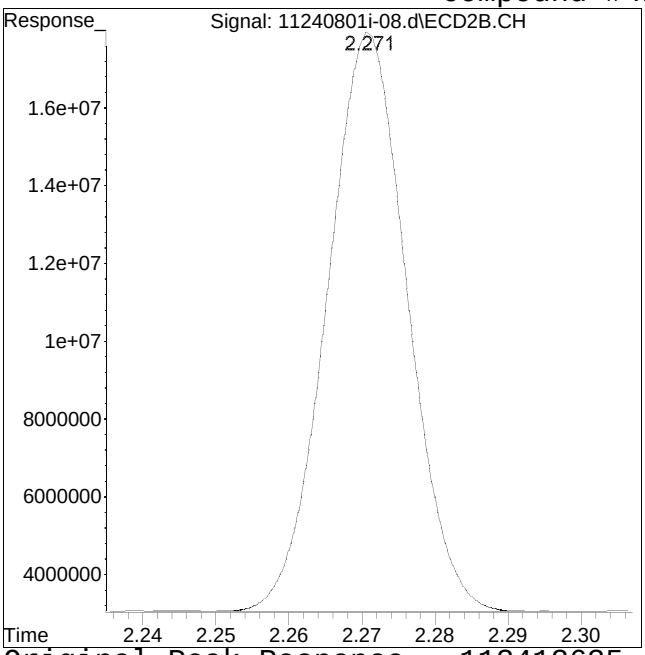
M4 = Poor automated baseline construction.

Manual Integration Report

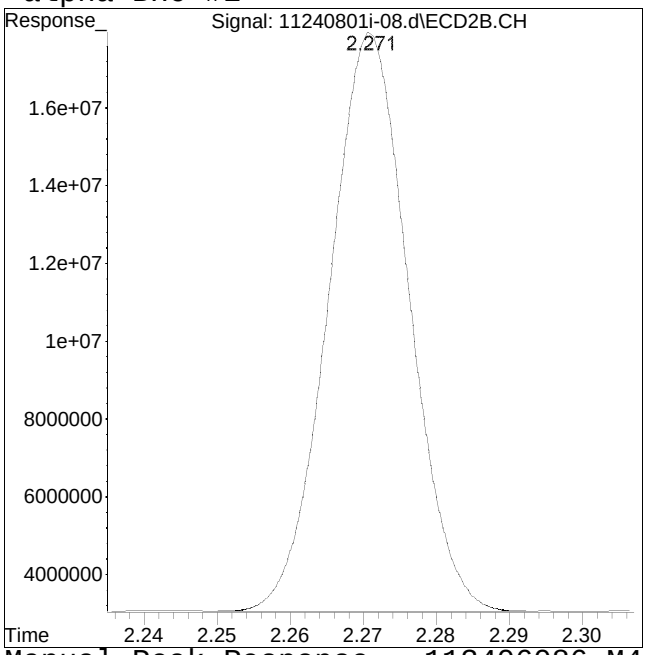
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #42: alpha-BHC #2



Original Peak Response = 113412635



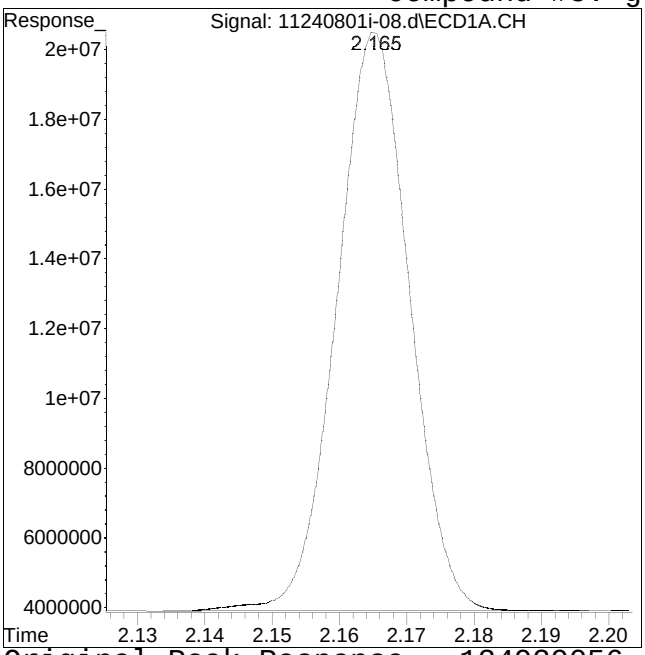
Manual Peak Response = 113406086 M4

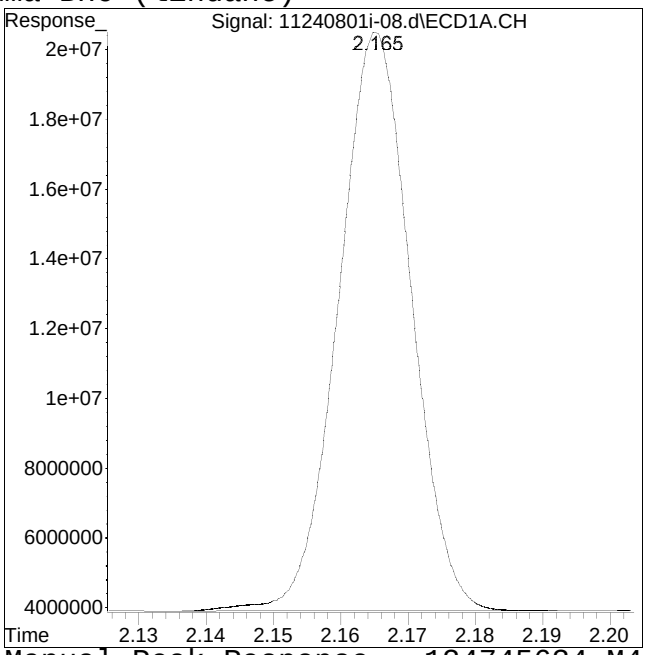
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0 Quant Date : 8/2/2024 10:46 am

Compound #5: gamma-BHC (lindane)



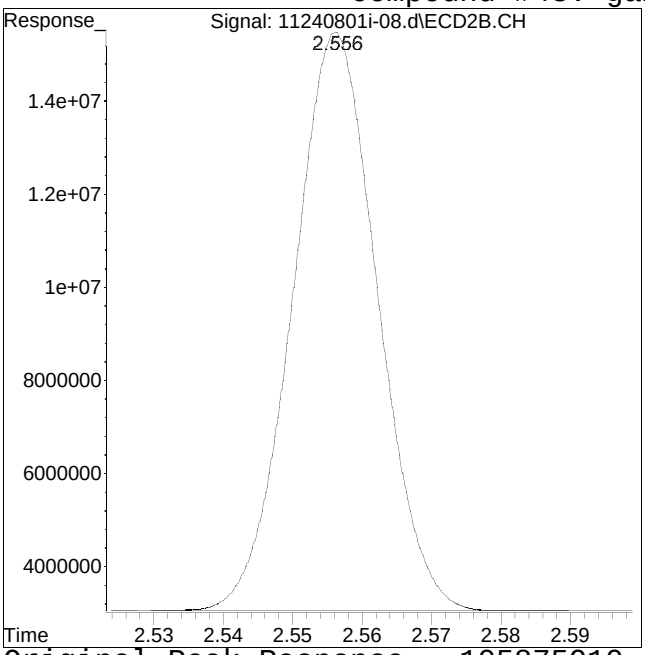


Original Peak Response = 124929056 Manual Peak Response = 124745634 M4
M4 = Poor automated baseline construction.

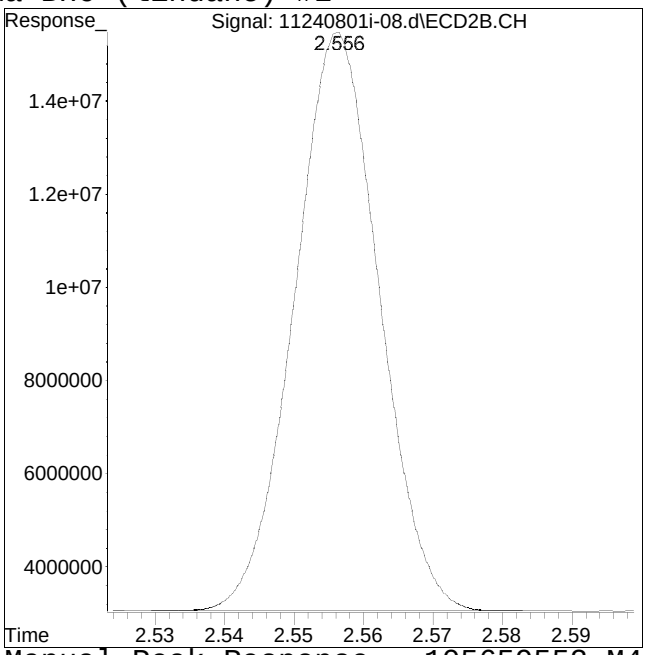
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 105875910



Manual Peak Response = 105659552 M4

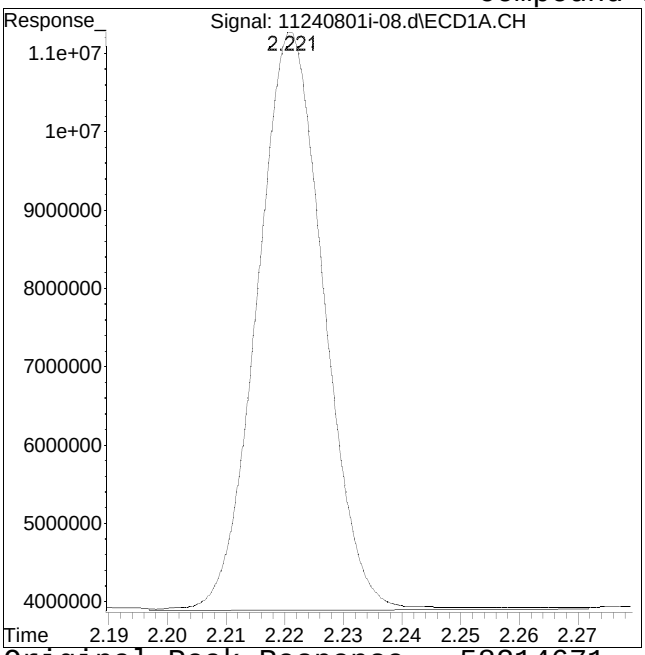
M4 = Poor automated baseline construction.

Manual Integration Report

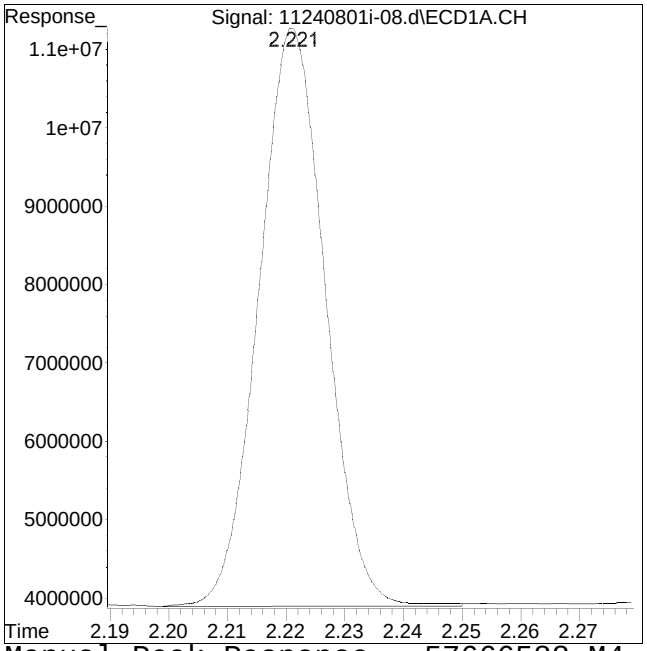
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #6: beta-BHC



Original Peak Response = 58214671



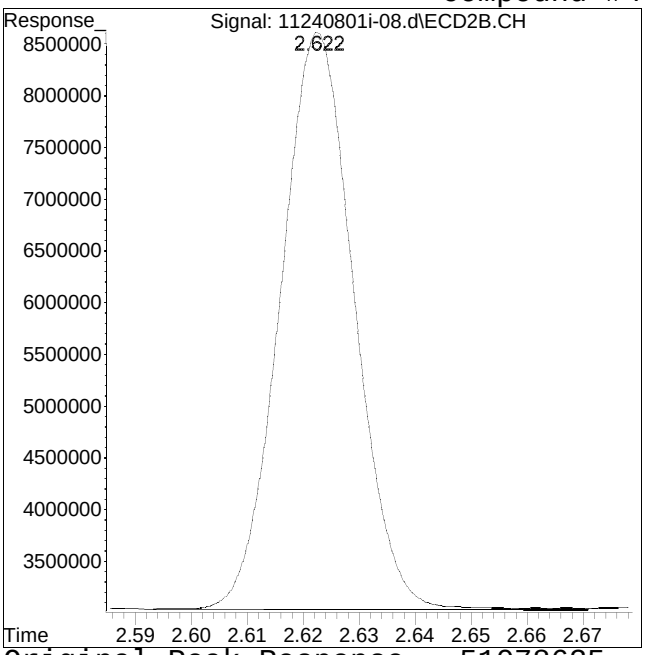
Manual Peak Response = 57666588 M4

M4 = Poor automated baseline construction.

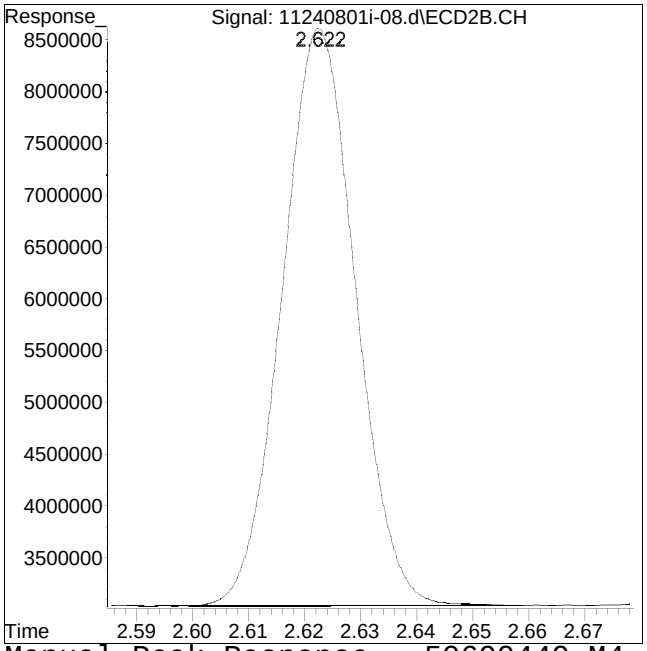
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #44: beta-BHC #2



Original Peak Response = 51078635



Manual Peak Response = 50690449 M4

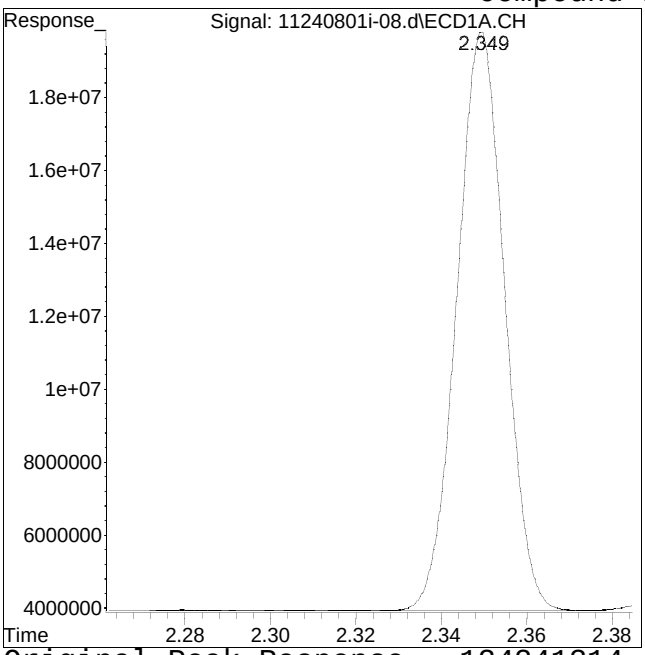
M4 = Poor automated baseline construction.

Manual Integration Report

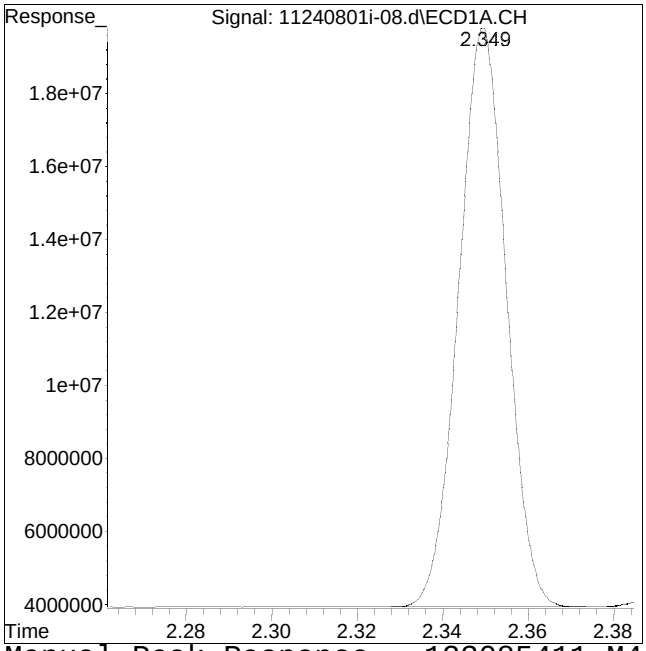
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #7: delta-BHC



Original Peak Response = 124241314



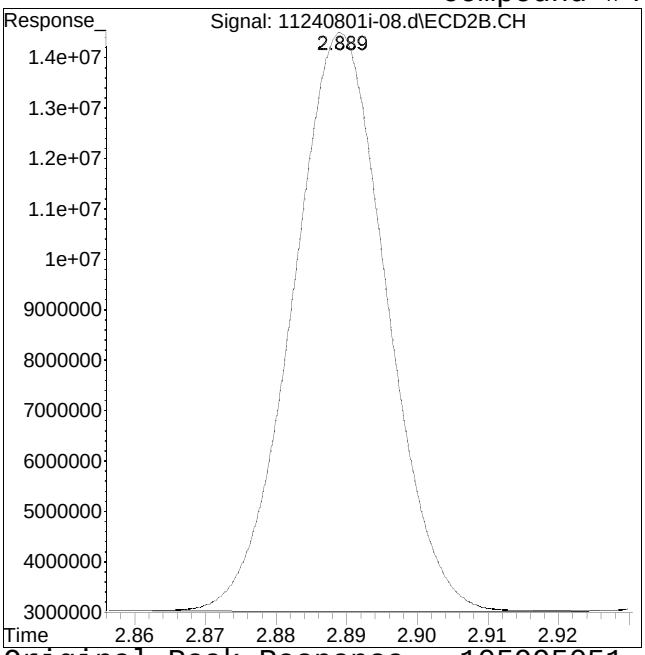
Manual Peak Response = 123085411 M4

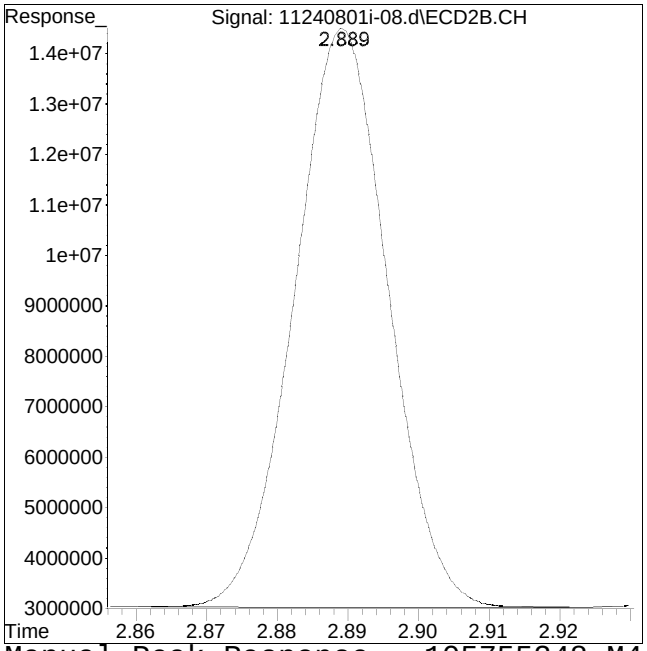
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #45: delta-BHC #2





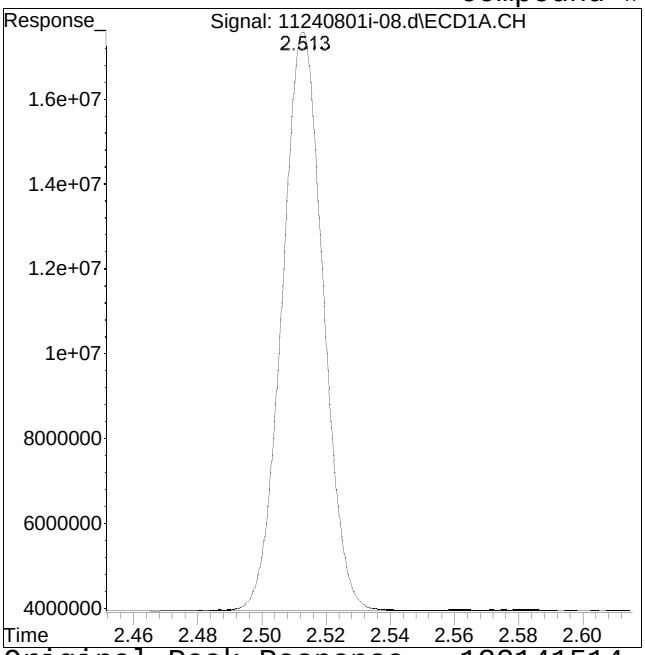
Original Peak Response = 105995051 Manual Peak Response = 105755248 M4
M4 = Poor automated baseline construction.

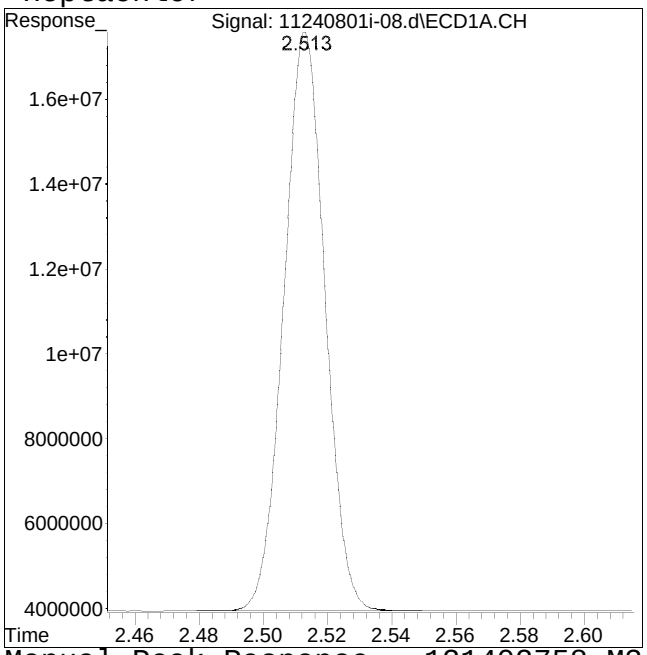
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #8: Heptachlor





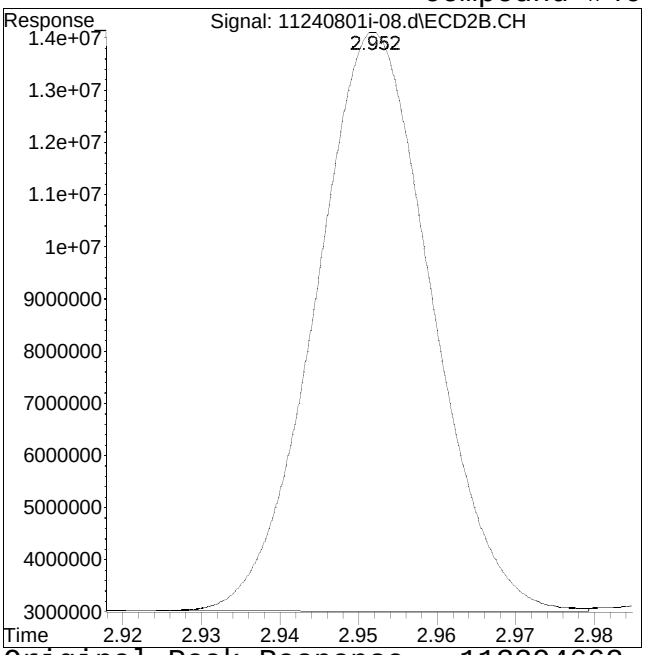
Original Peak Response = 122141514 Manual Peak Response = 121402758 M3

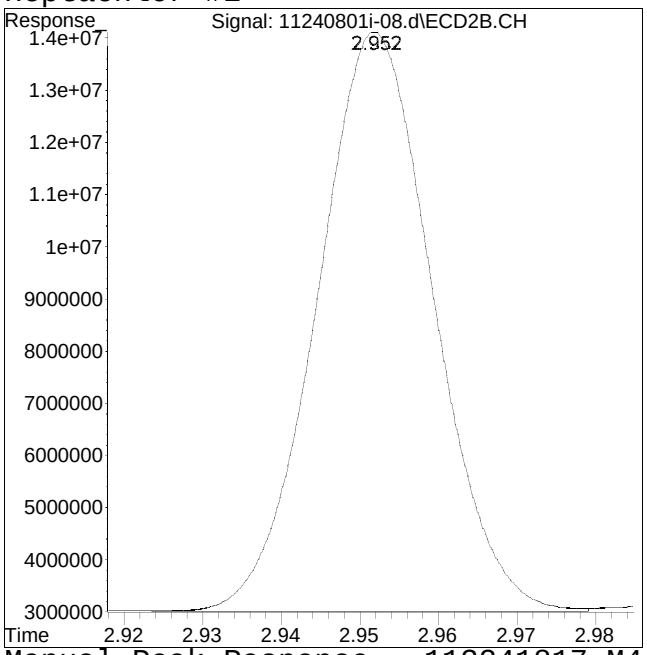
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #46: Heptachlor #2





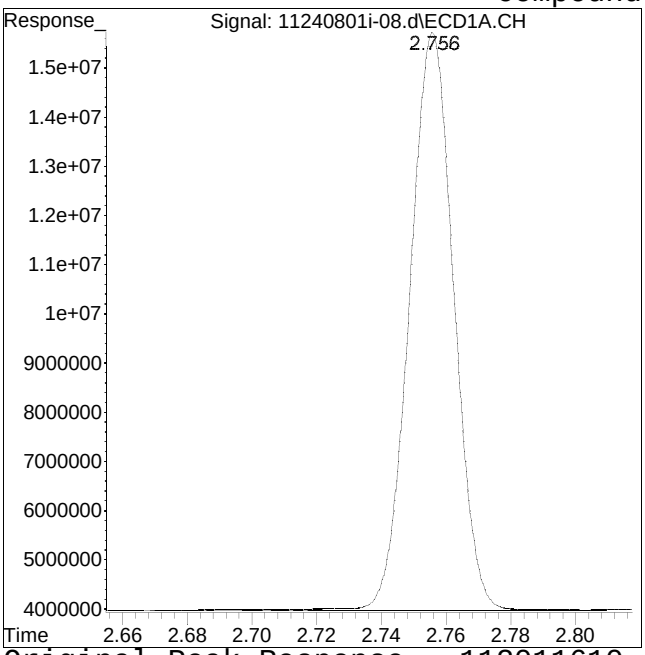
Original Peak Response = 113394662 Manual Peak Response = 113241817 M4
M4 = Poor automated baseline construction.

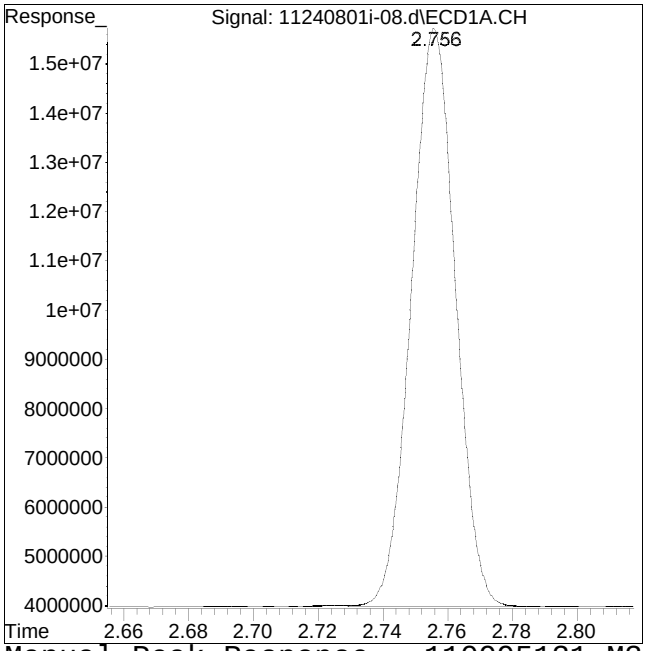
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #9: Aldrin





Original Peak Response = 112011610 Manual Peak Response = 110995131 M3

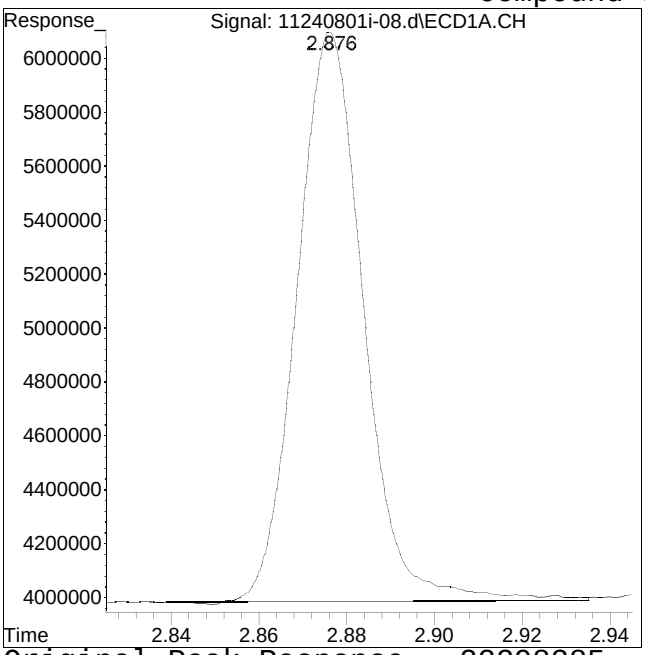
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

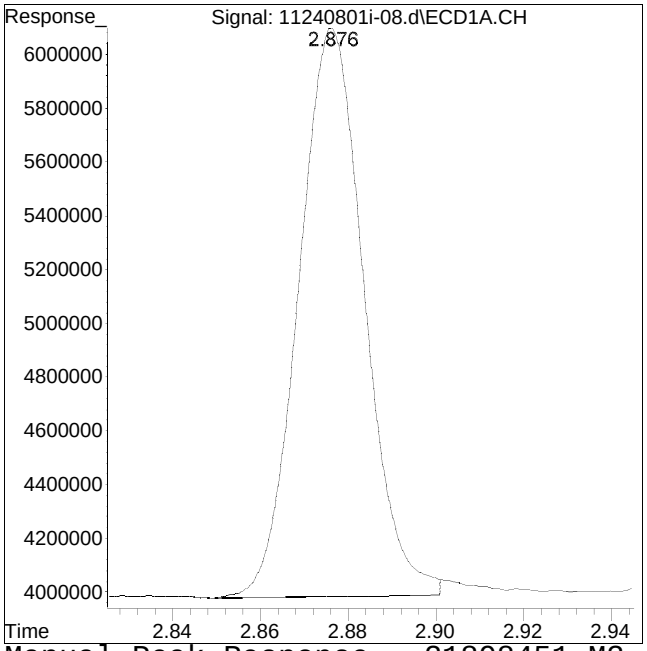
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #10: Alachlor



Original Peak Response = 22298285



Manual Peak Response = 21898451 M3

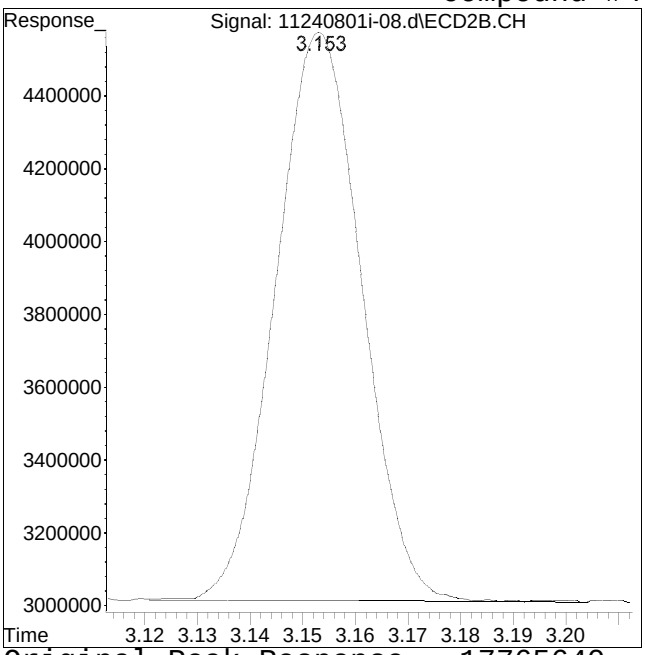
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

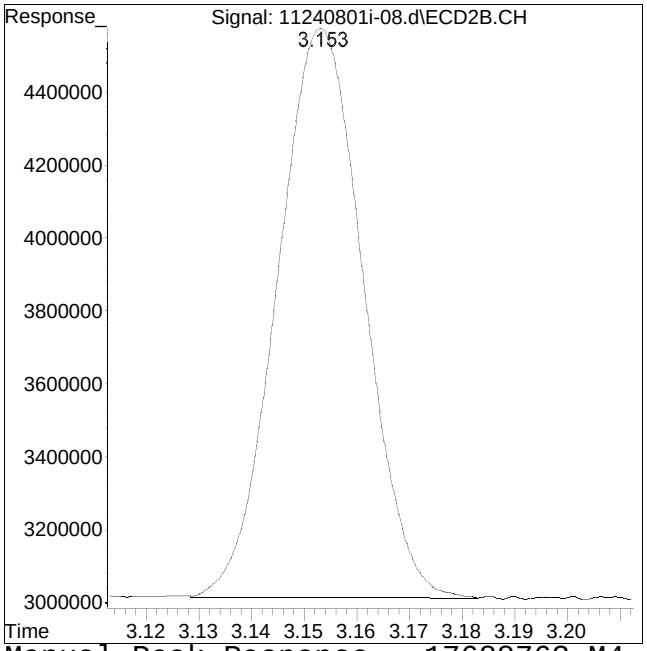
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #48: Alachlor #2



Original Peak Response = 17765640



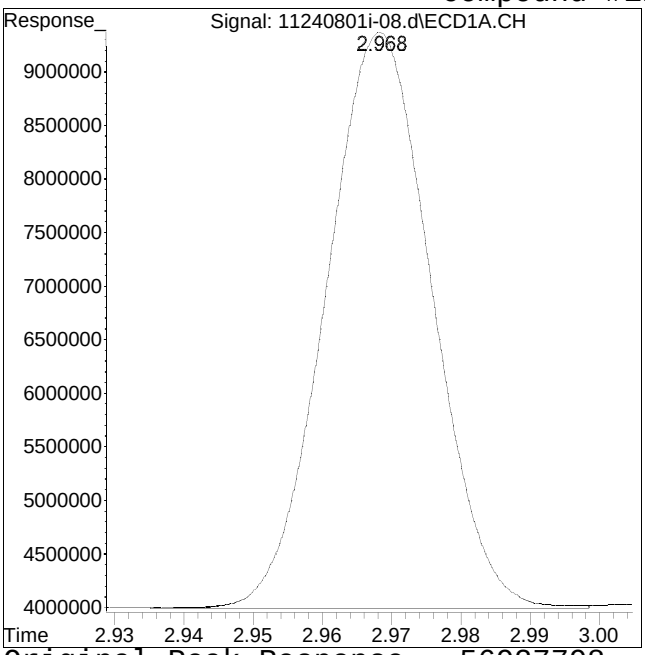
Manual Peak Response = 17688763 M4

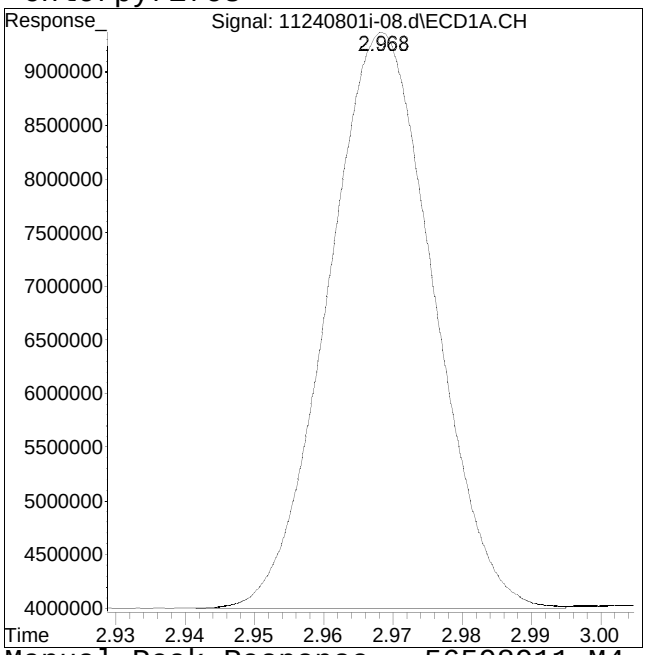
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #11: Chlorpyrifos



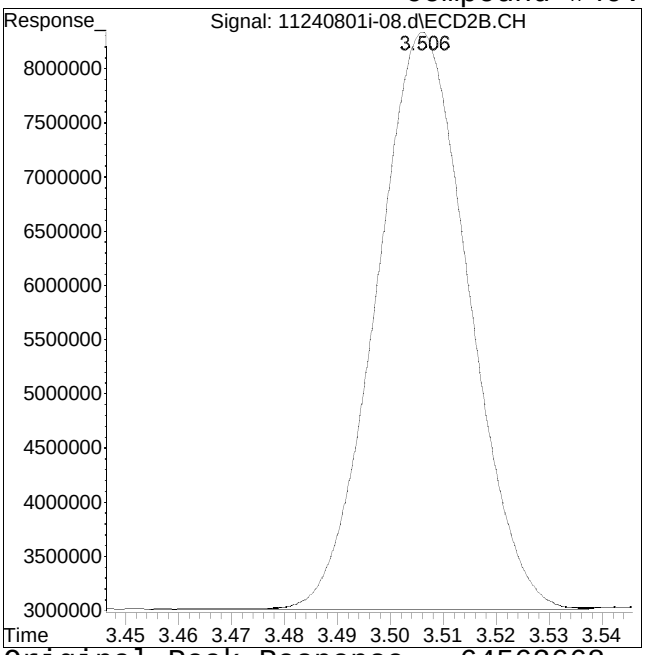


Original Peak Response = 56927798 Manual Peak Response = 56598911 M4
M4 = Poor automated baseline construction.

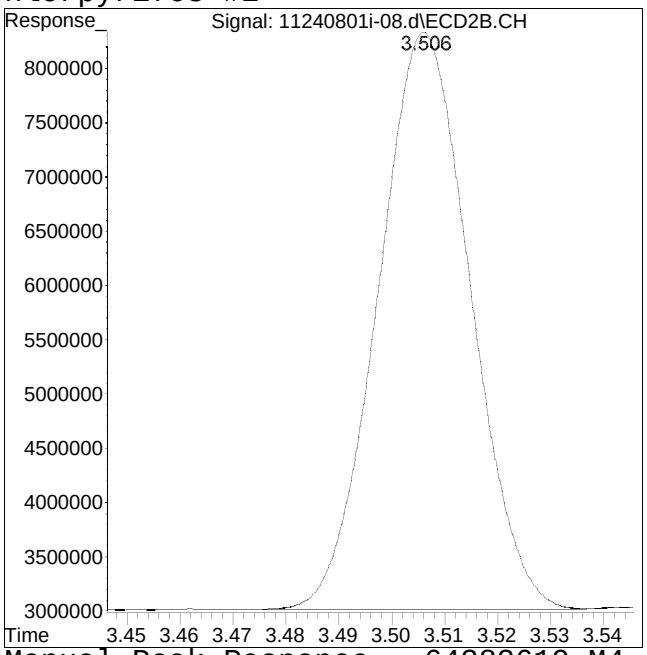
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 64562668



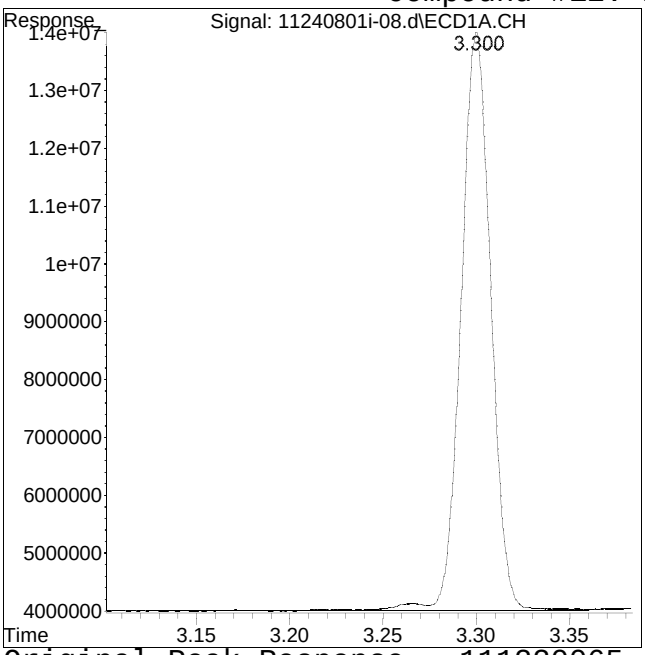
Manual Peak Response = 64282619 M4

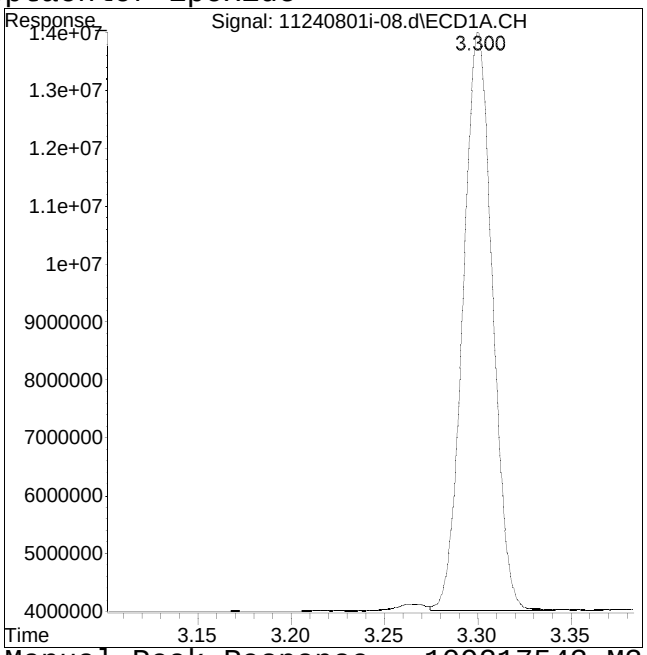
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #12: Heptachlor Epoxide



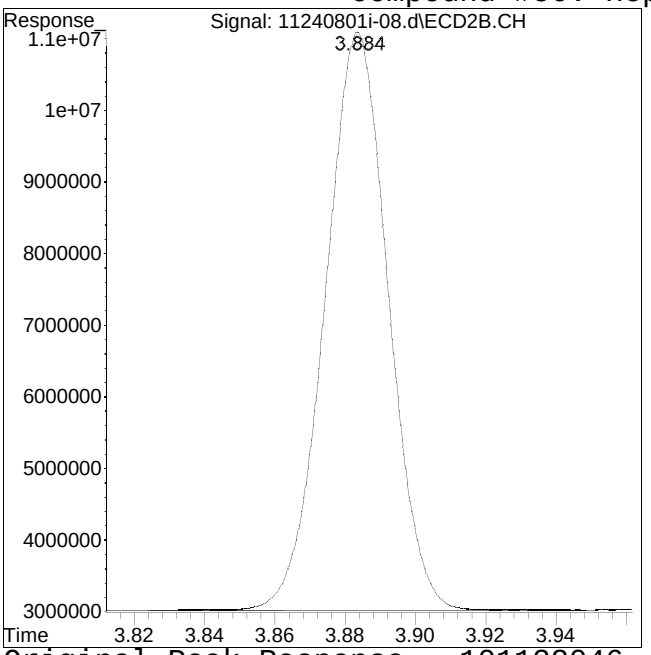


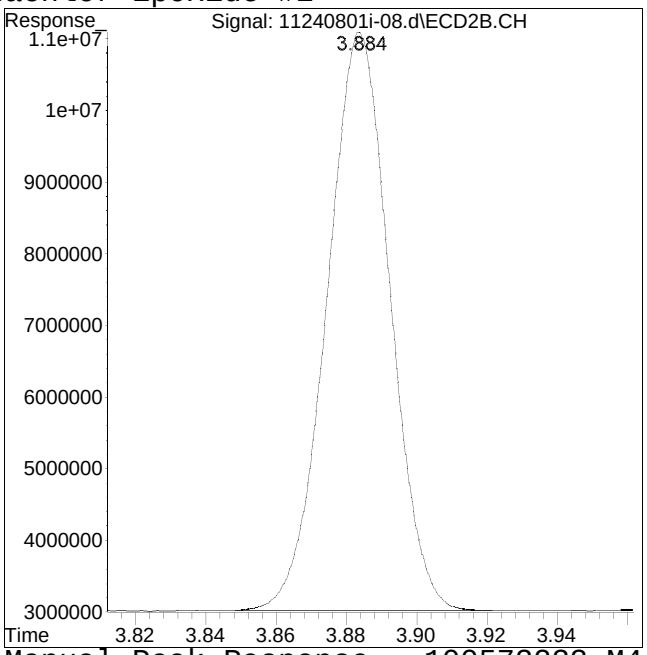
Original Peak Response = 111220065 Manual Peak Response = 109217543 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #50: Heptachlor Epoxide #2





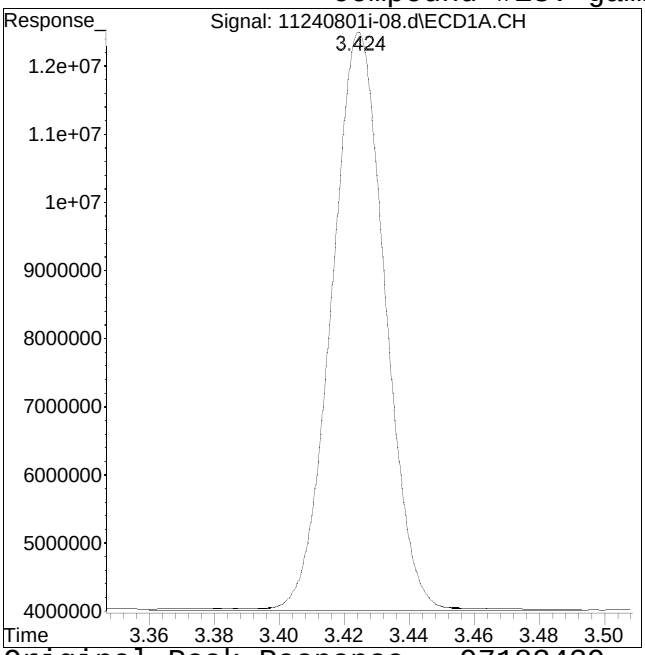
Original Peak Response = 101122046 Manual Peak Response = 100573233 M4
M4 = Poor automated baseline construction.

Manual Integration Report

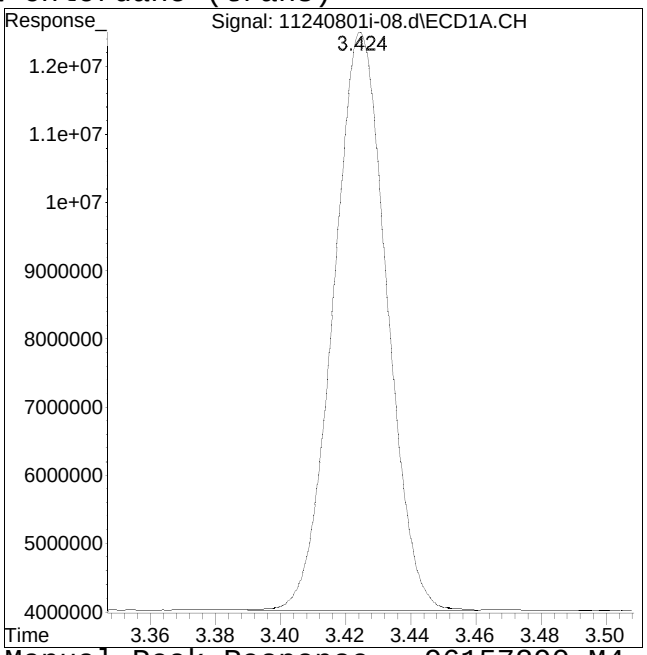
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 97183439



Manual Peak Response = 96157290 M4

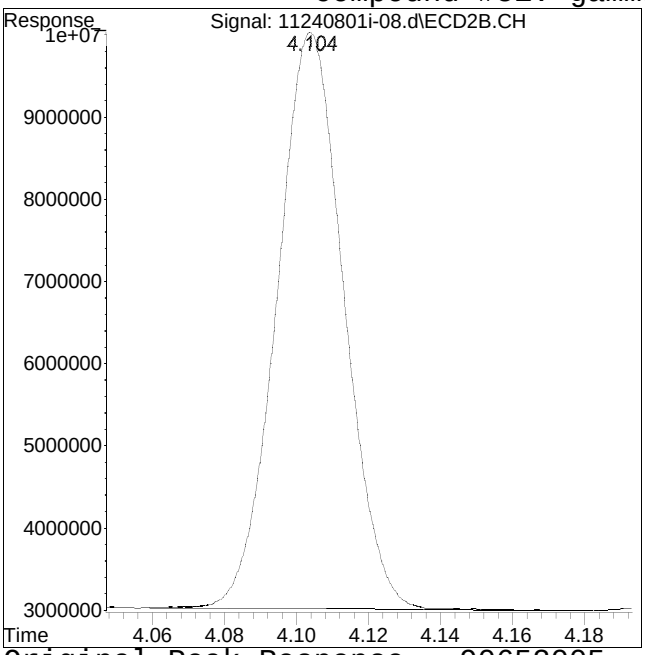
M4 = Poor automated baseline construction.

Manual Integration Report

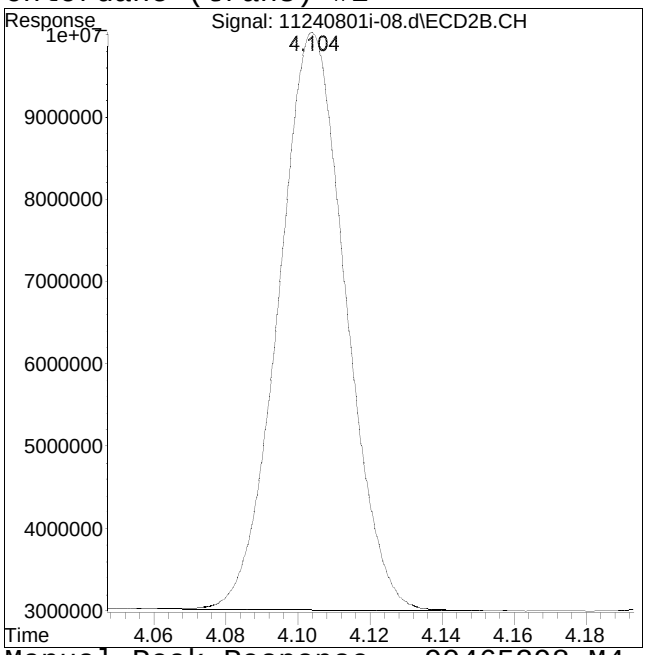
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 90652005



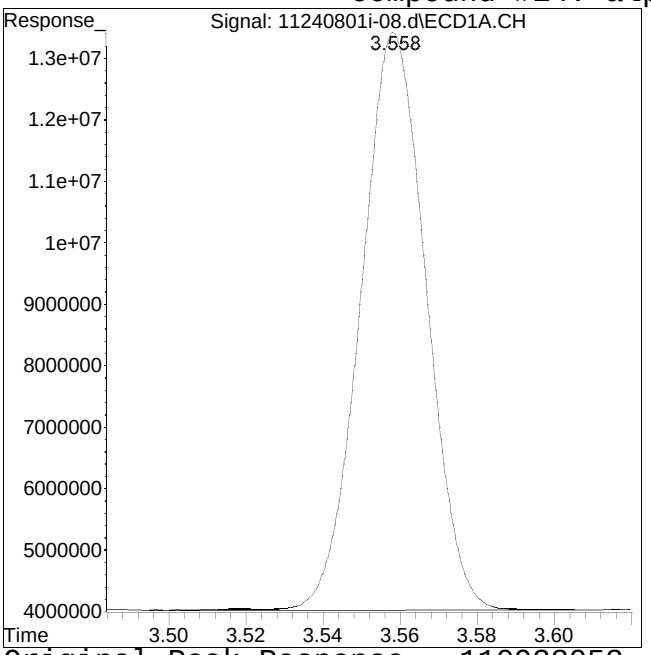
Manual Peak Response = 90465298 M4

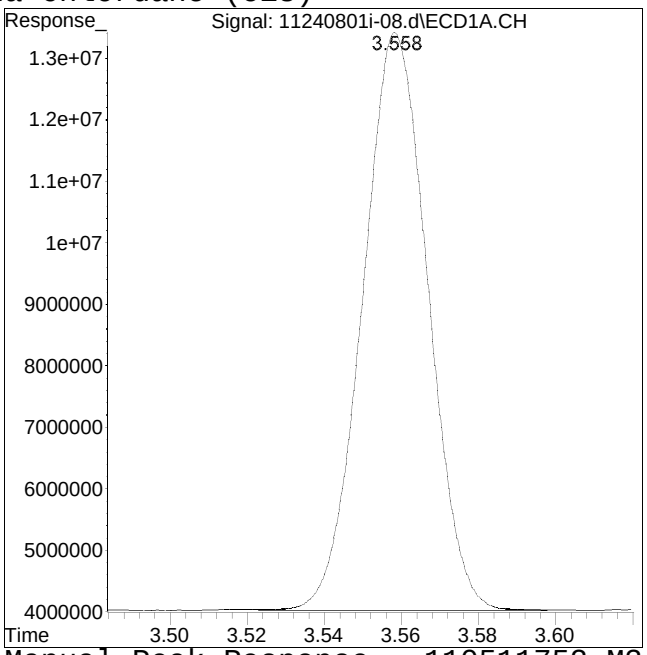
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #14: alpha-Chlordane (cis)



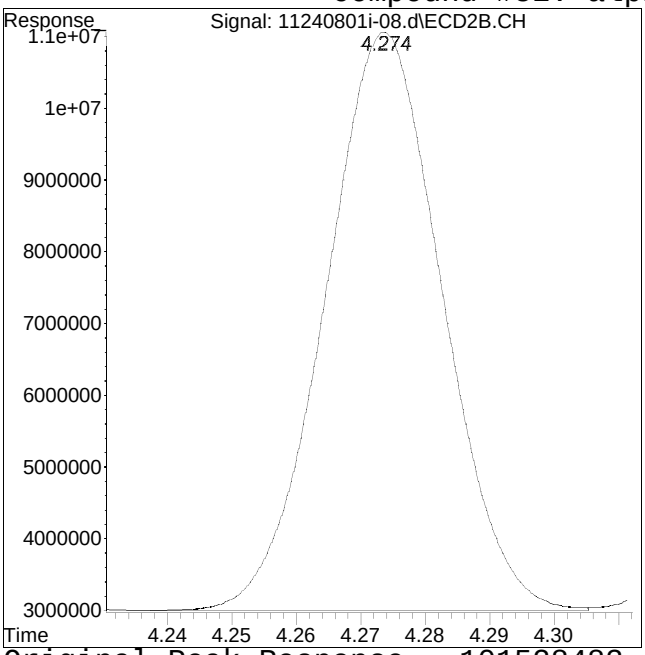


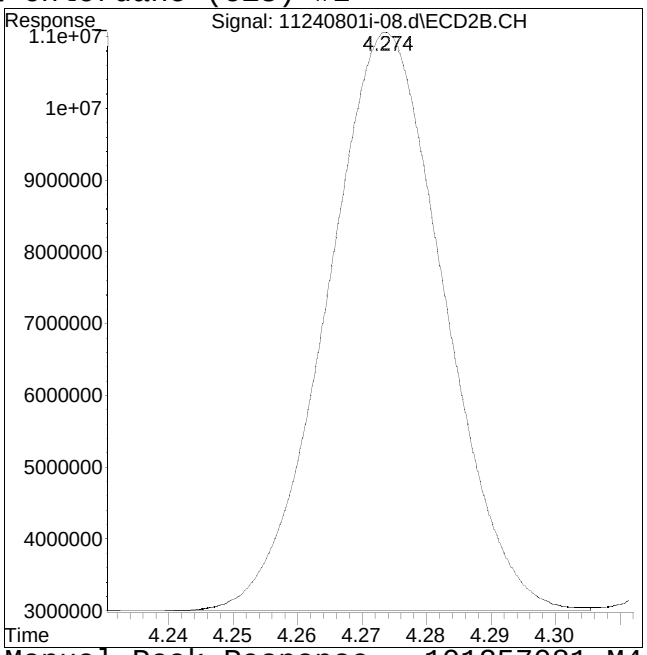
Original Peak Response = 110933953 Manual Peak Response = 110511752 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #52: alpha-Chlordane (cis) #2





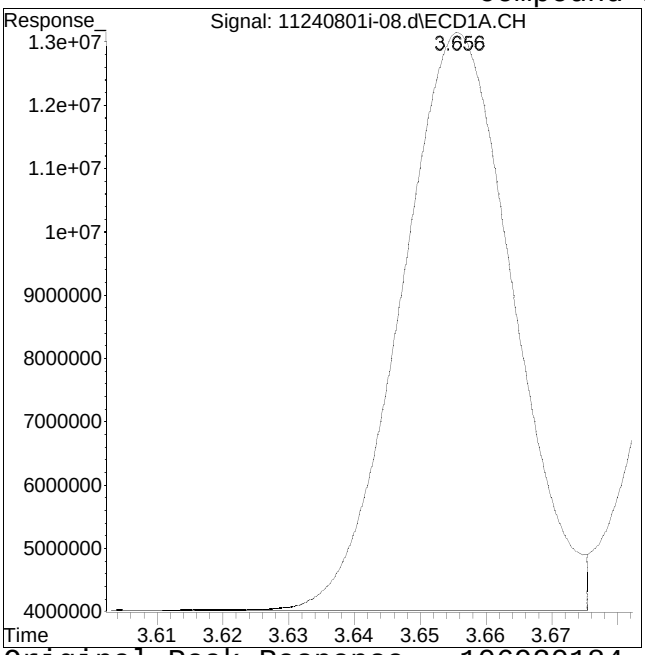
Original Peak Response = 101528483 Manual Peak Response = 101257081 M4
M4 = Poor automated baseline construction.

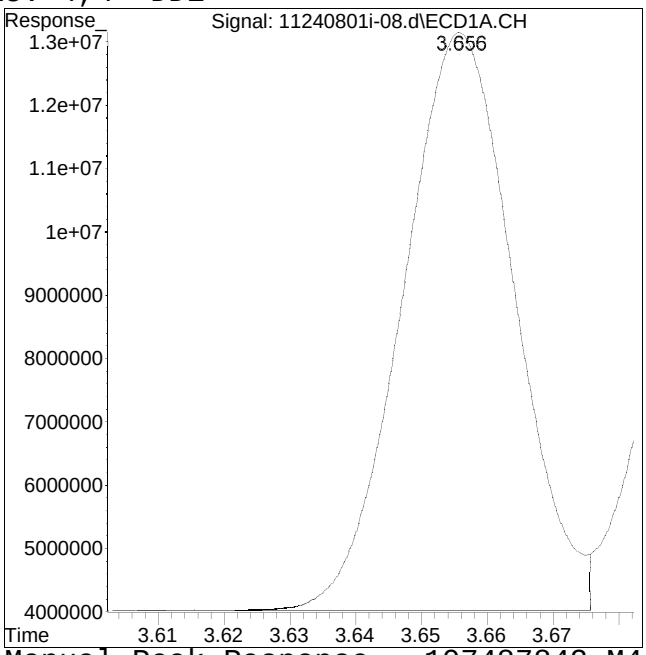
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #15: 4,4'-DDE



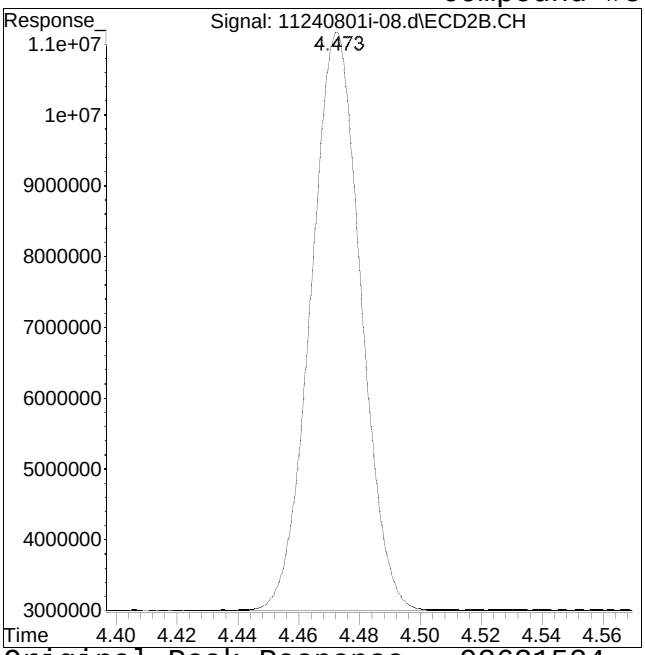


Original Peak Response = 106920184 Manual Peak Response = 107487842 M4
M4 = Poor automated baseline construction.

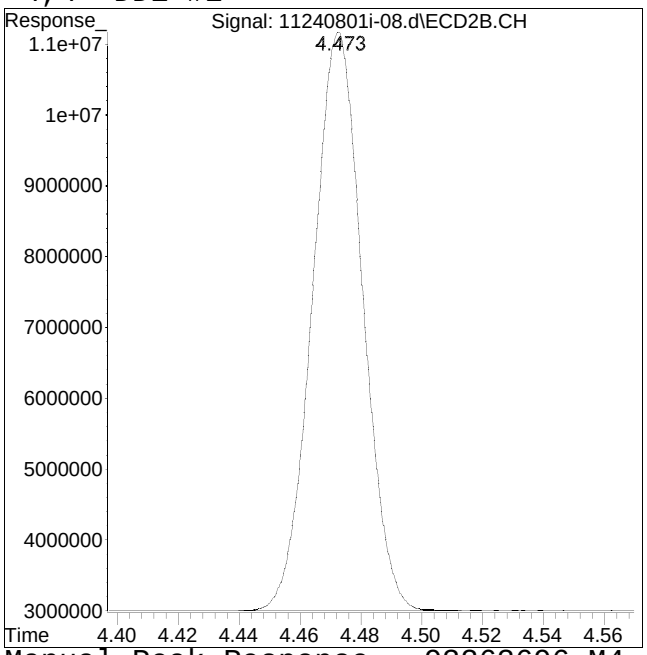
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 93631524



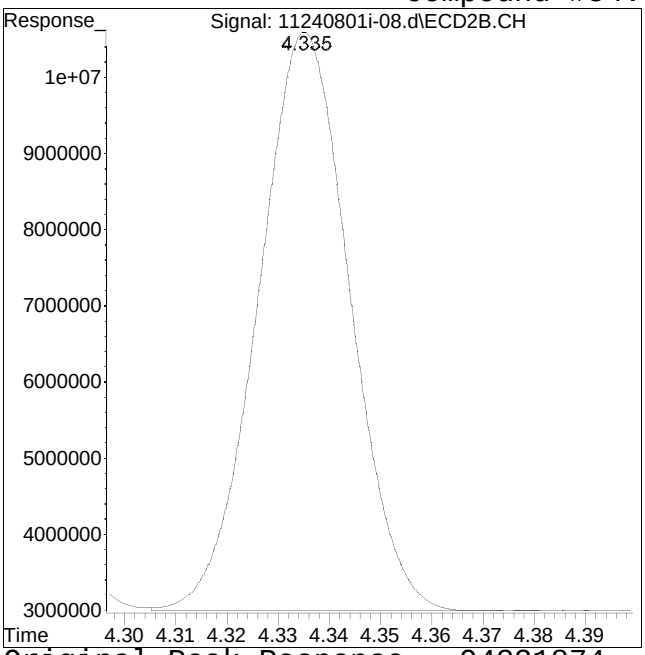
Manual Peak Response = 93263696 M4

M4 = Poor automated baseline construction.

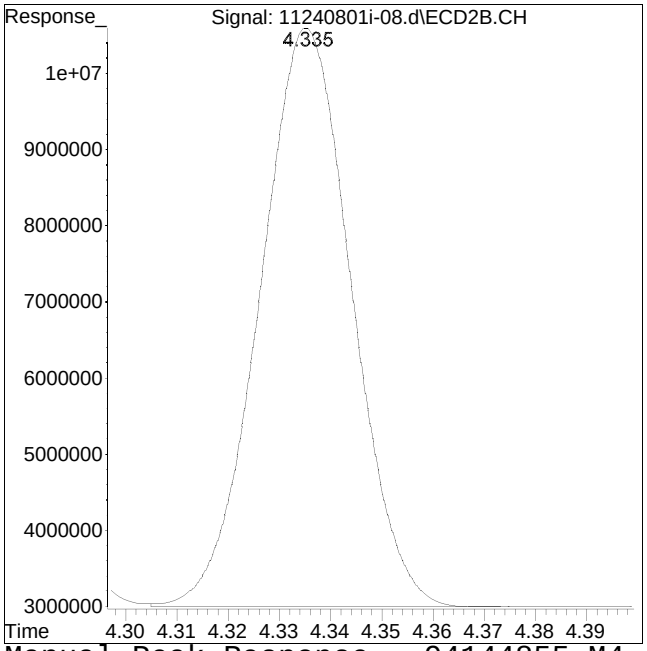
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #54: Endosulfan I #2



Original Peak Response = 94331874



Manual Peak Response = 94144855 M4

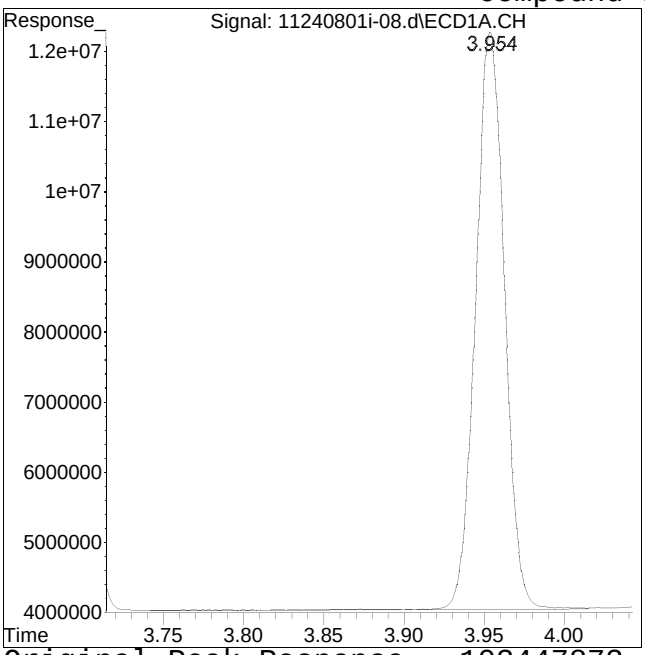
M4 = Poor automated baseline construction.

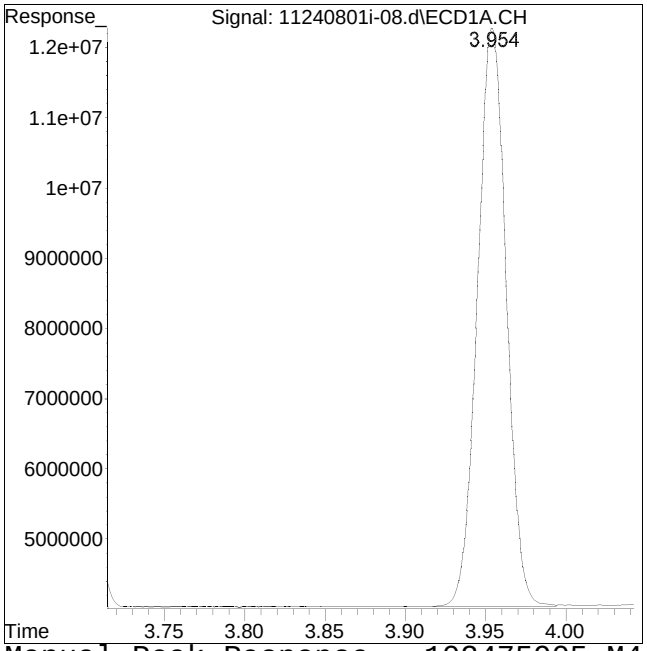
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #17: Dieldrin





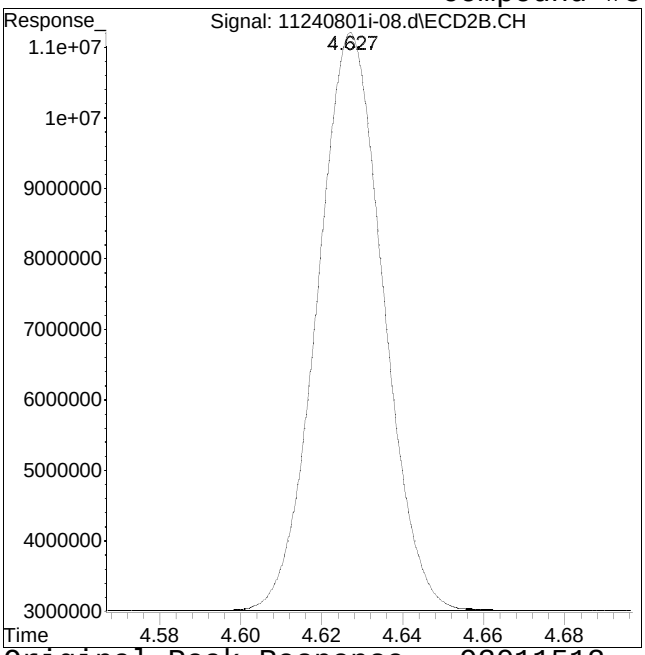
Original Peak Response = 103447873 Manual Peak Response = 102475905 M4
M4 = Poor automated baseline construction.

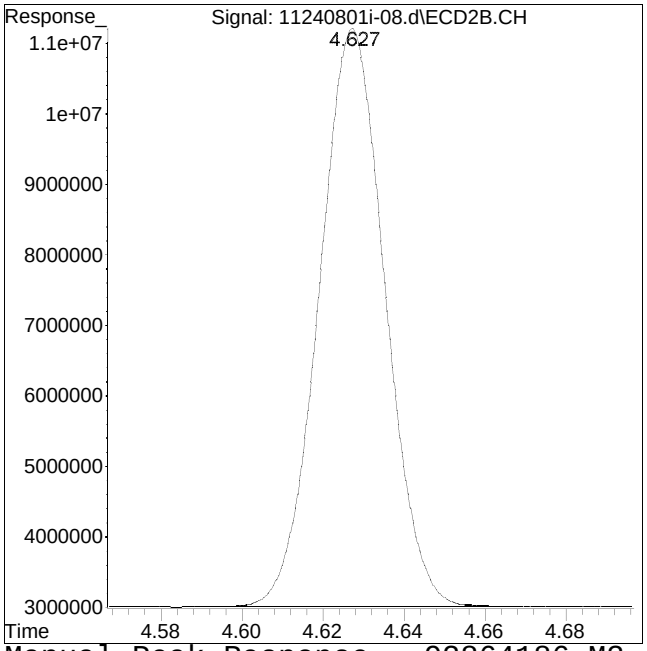
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #55: Dieldrin #2





Original Peak Response = 93011512 Manual Peak Response = 92864186 M3

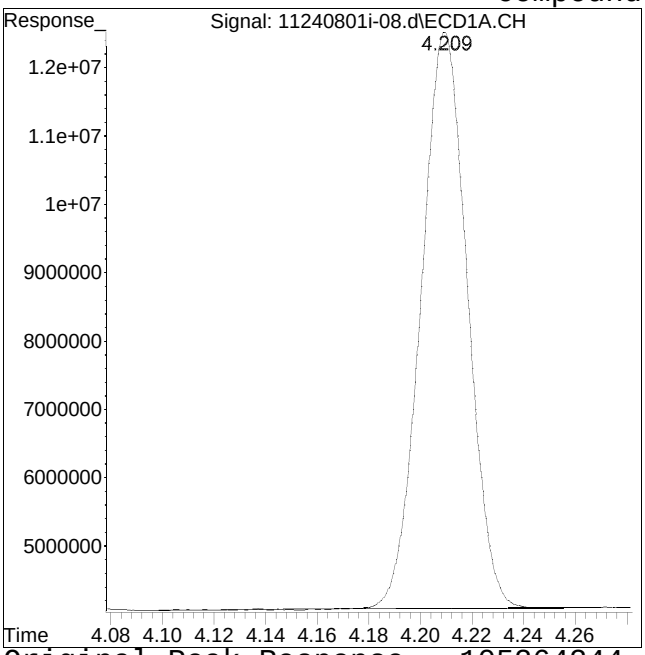
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

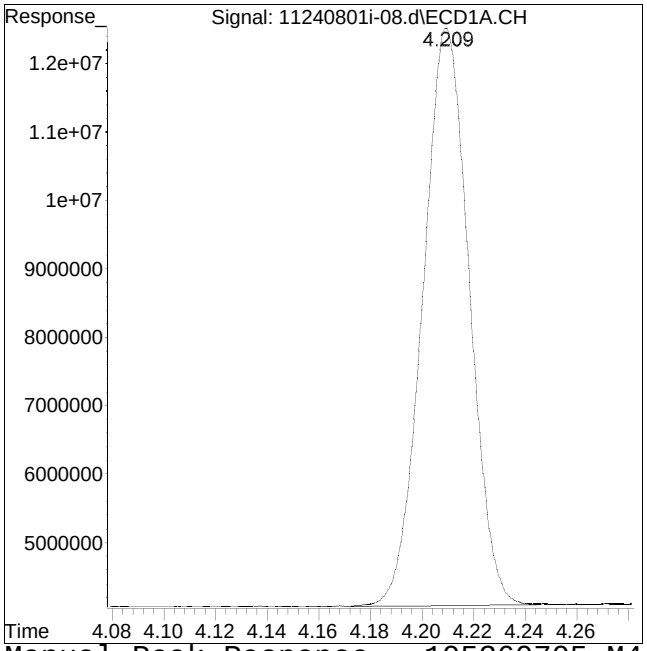
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #18: Endrin



Original Peak Response = 105264244



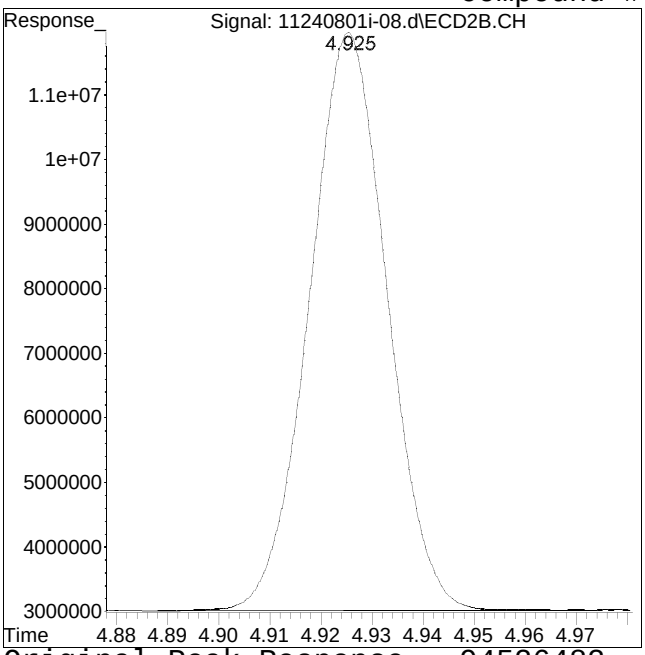
Manual Peak Response = 105360705 M4

M4 = Poor automated baseline construction.

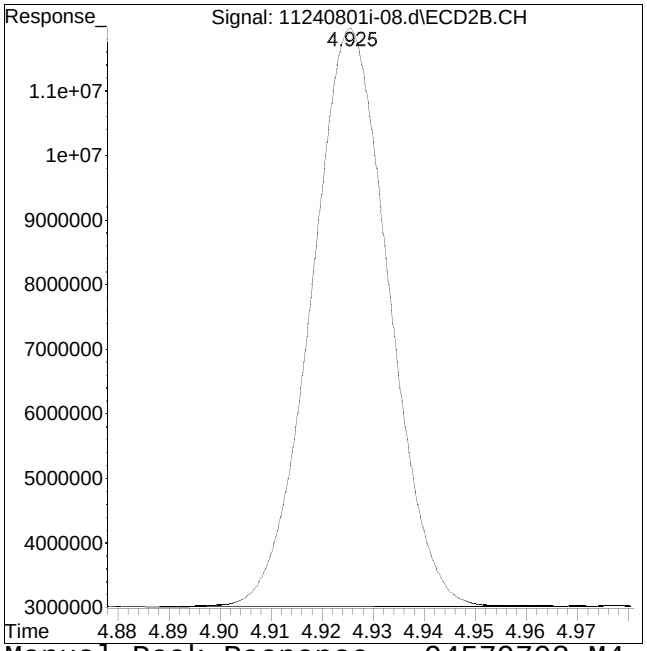
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #56: Endrin #2



Original Peak Response = 94526482



Manual Peak Response = 94579708 M4

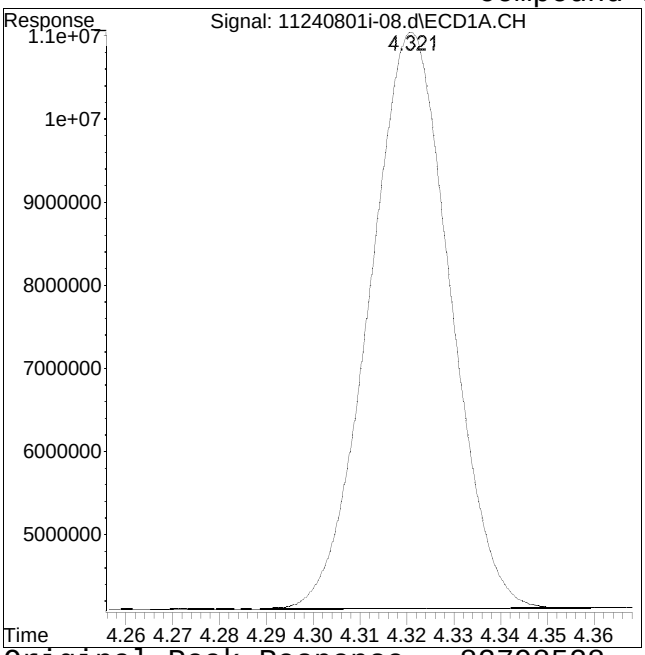
M4 = Poor automated baseline construction.

Manual Integration Report

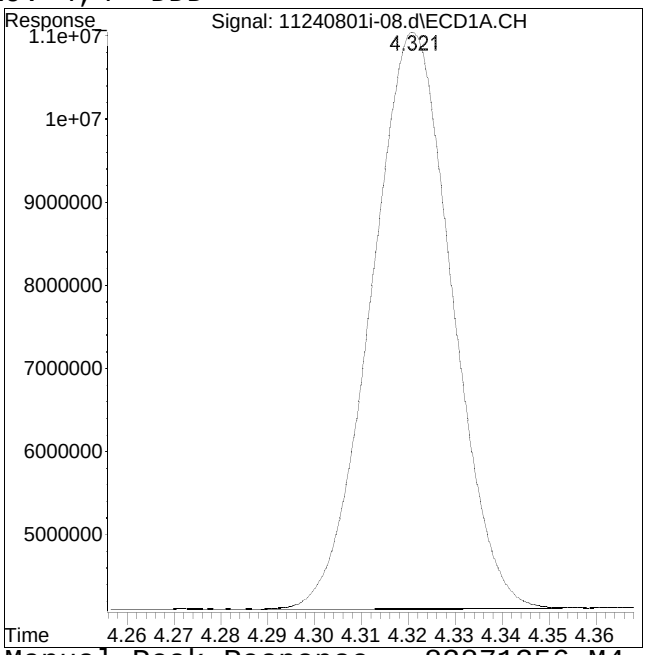
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #19: 4,4'-DDD



Original Peak Response = 82798528



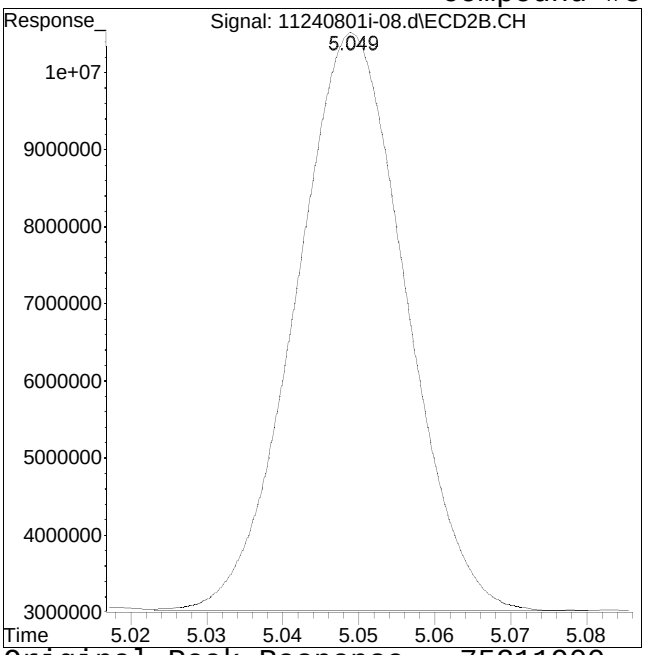
Manual Peak Response = 82871356 M4

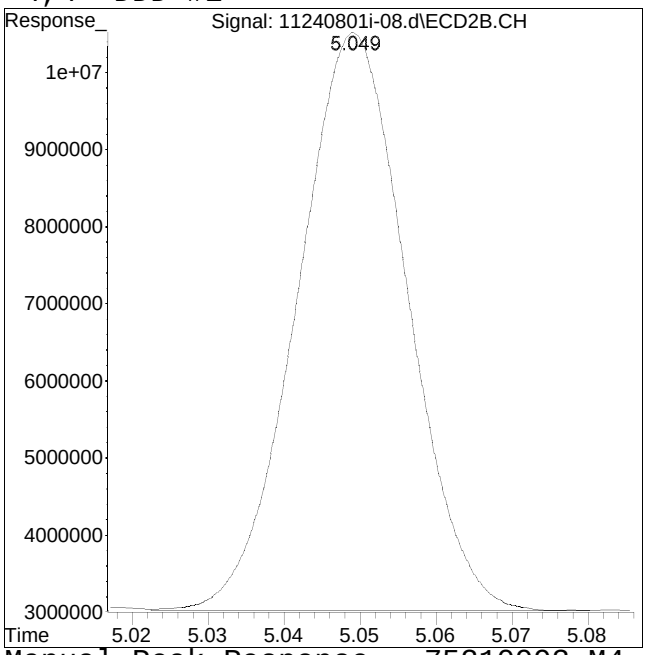
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #57: 4,4'-DDD #2





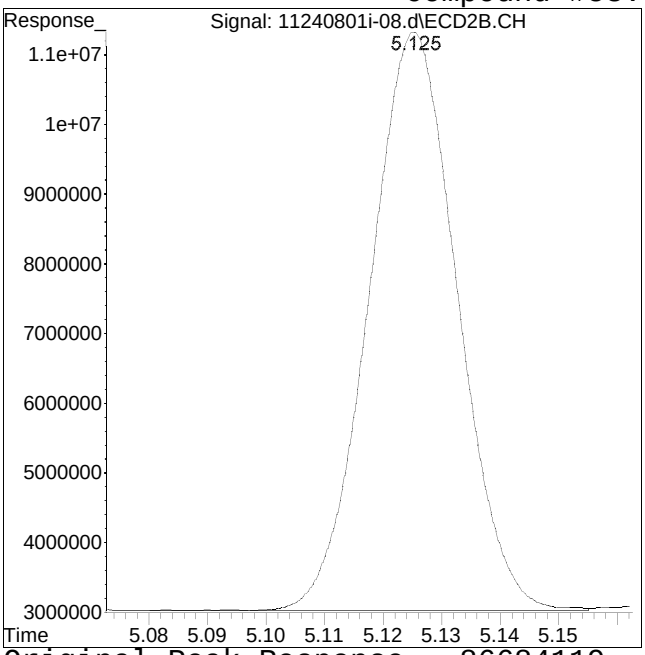
Original Peak Response = 75211900 Manual Peak Response = 75210993 M4
M4 = Poor automated baseline construction.

Manual Integration Report

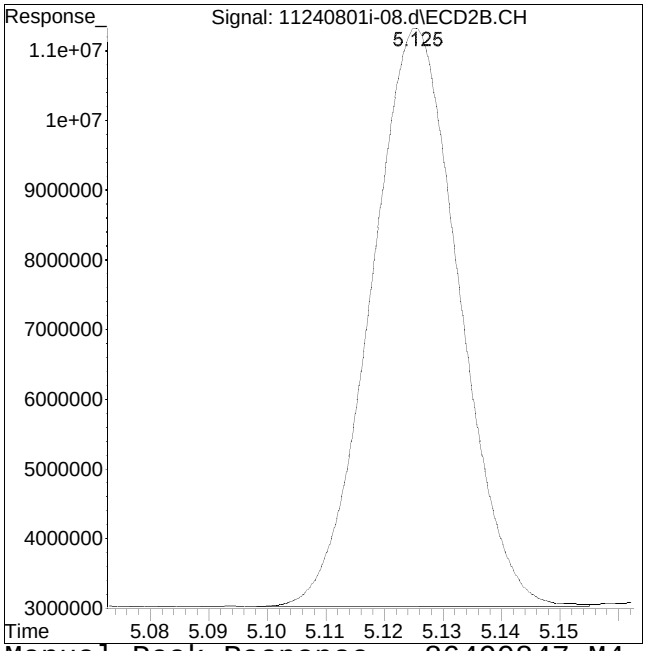
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #58: Endosulfan II #2



Original Peak Response = 86684119



Manual Peak Response = 86490847 M4

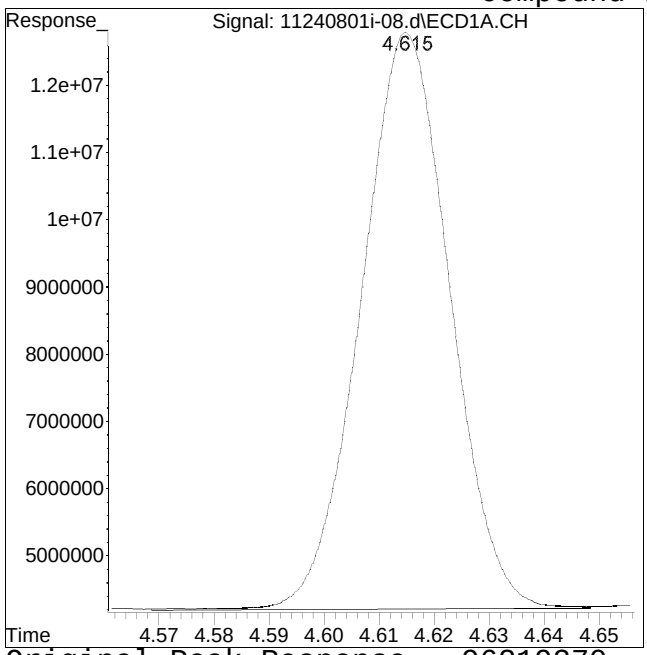
M4 = Poor automated baseline construction.

Manual Integration Report

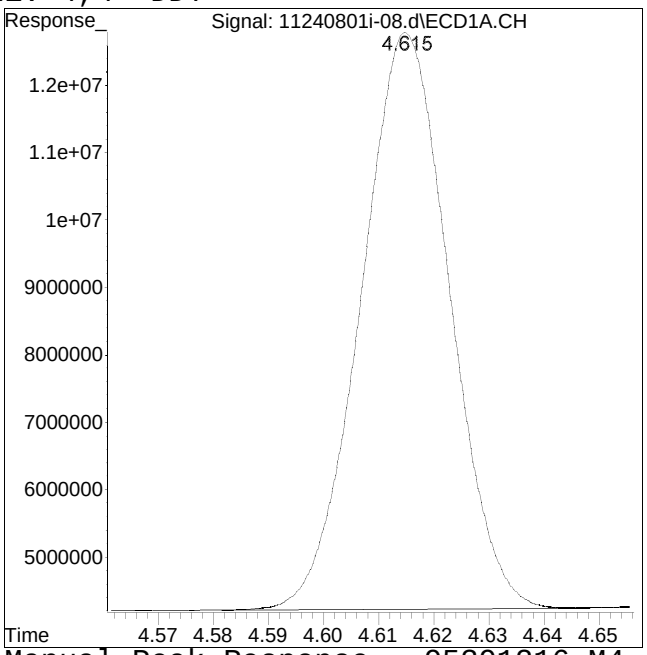
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #21: 4,4'-DDT



Original Peak Response = 96219270



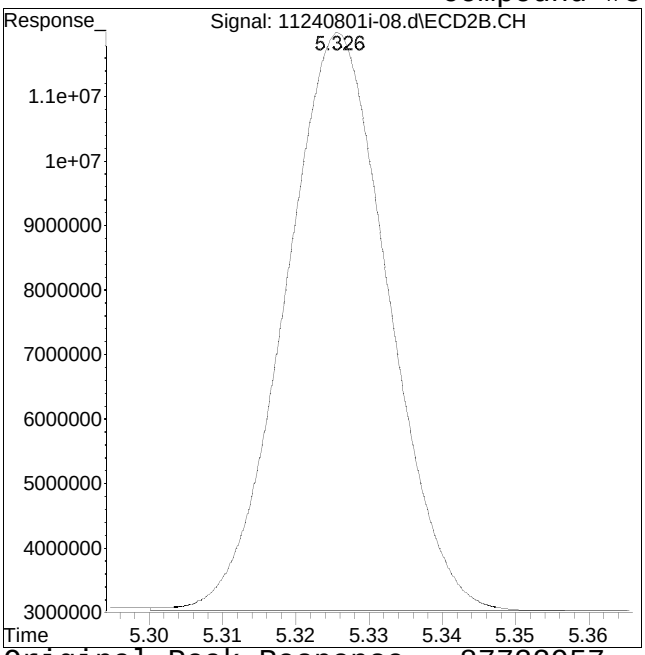
Manual Peak Response = 95391216 M4

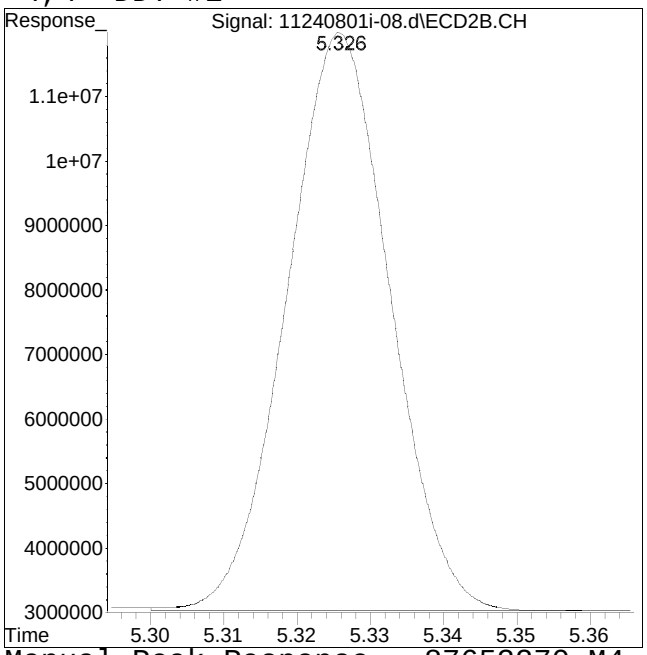
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #59: 4,4'-DDT #2



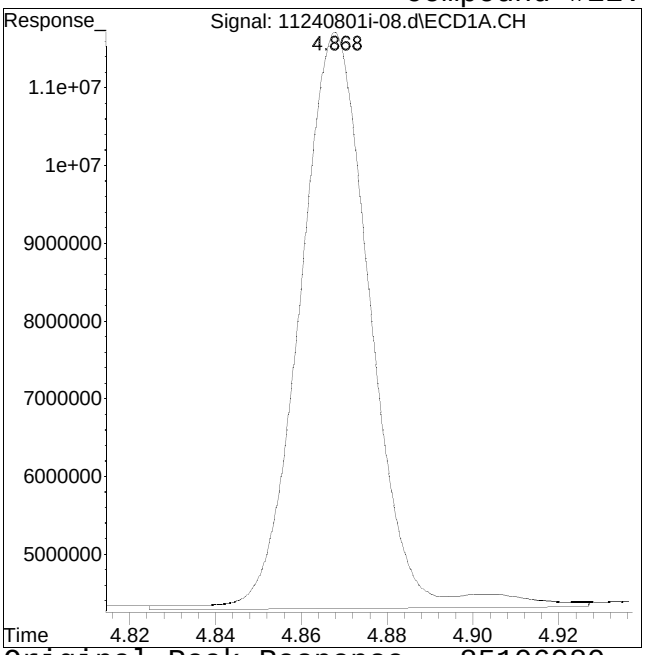


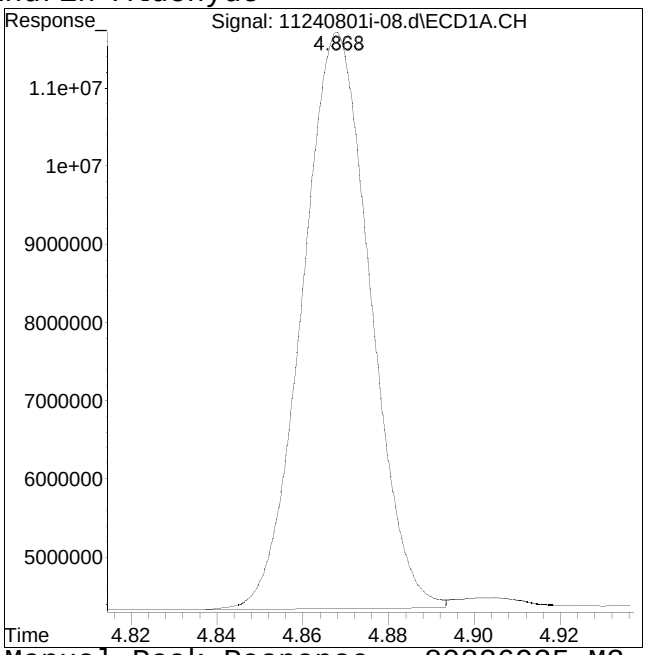
Original Peak Response = 87732957 Manual Peak Response = 87653270 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #22: Endrin Aldehyde



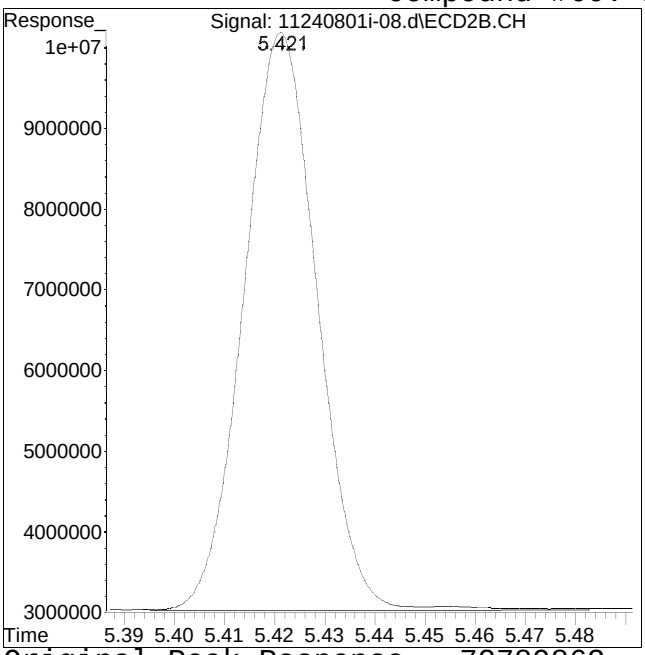


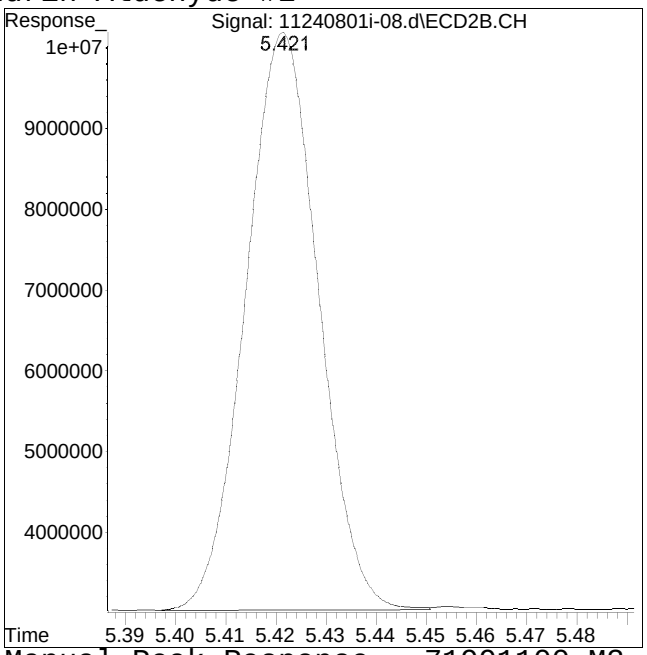
Original Peak Response = 85106980 Manual Peak Response = 80826935 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #60: Endrin Aldehyde #2





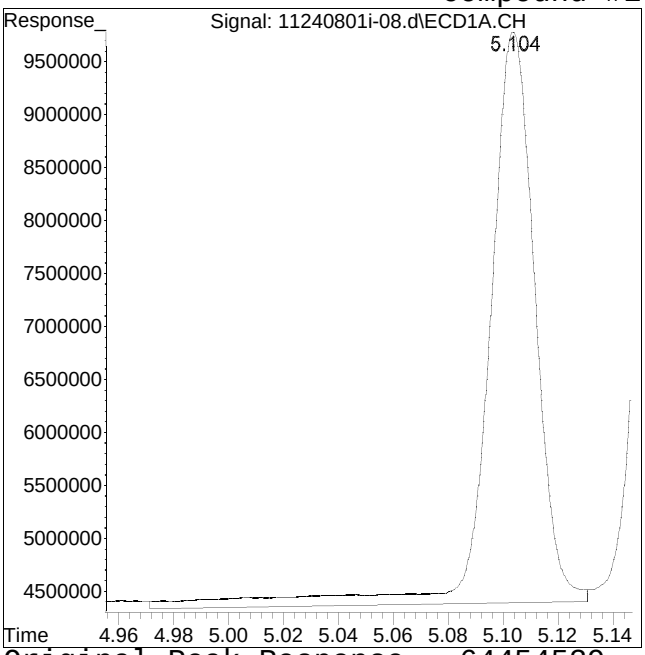
Original Peak Response = 72789863 Manual Peak Response = 71991100 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

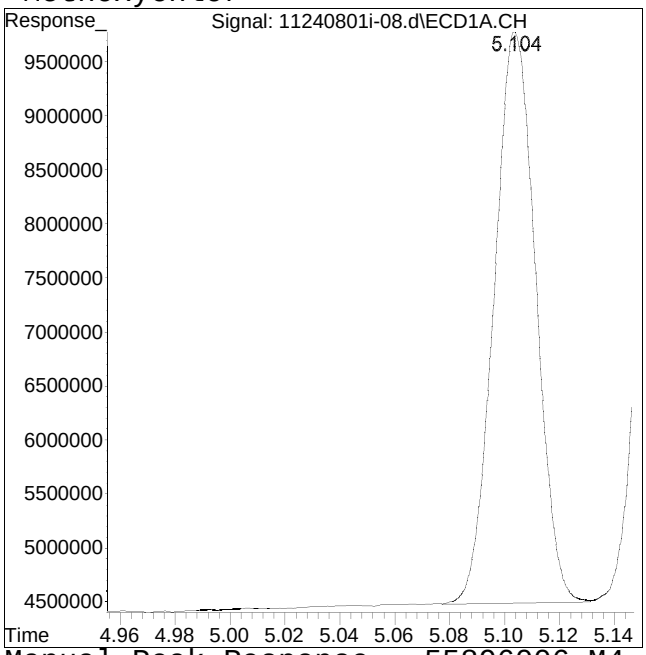
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #23: Methoxychlor



Original Peak Response = 64454539



Manual Peak Response = 55896006 M4

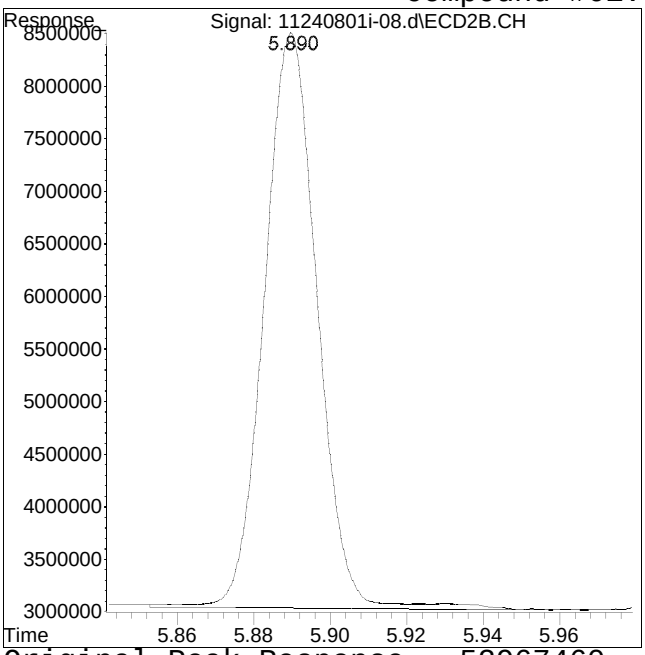
M4 = Poor automated baseline construction.

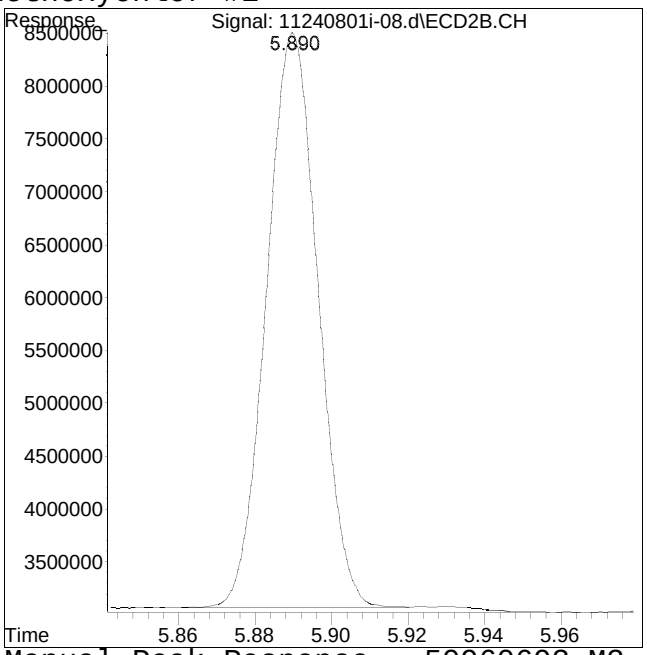
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #61: Methoxychlor #2





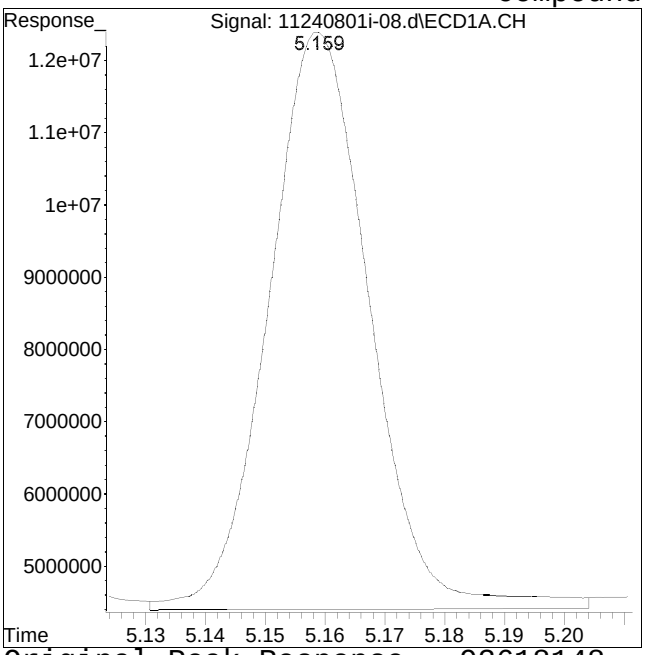
Original Peak Response = 52967460 Manual Peak Response = 50960693 M3

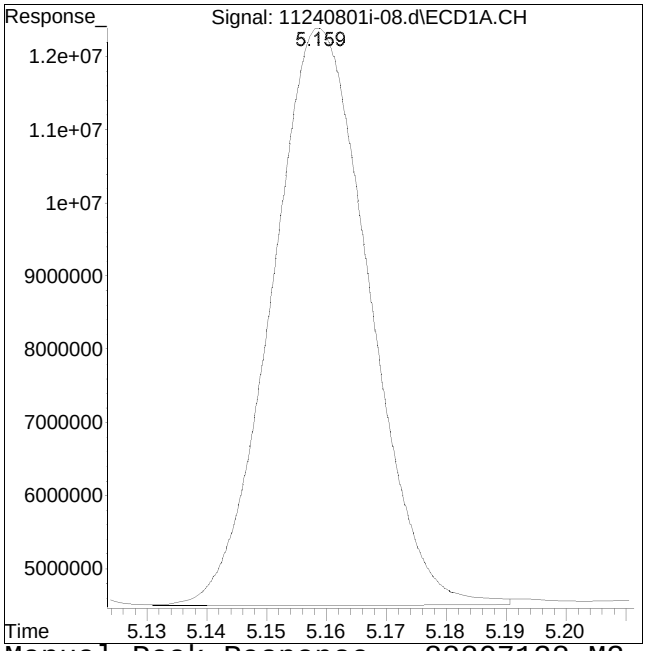
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #24: Mirex



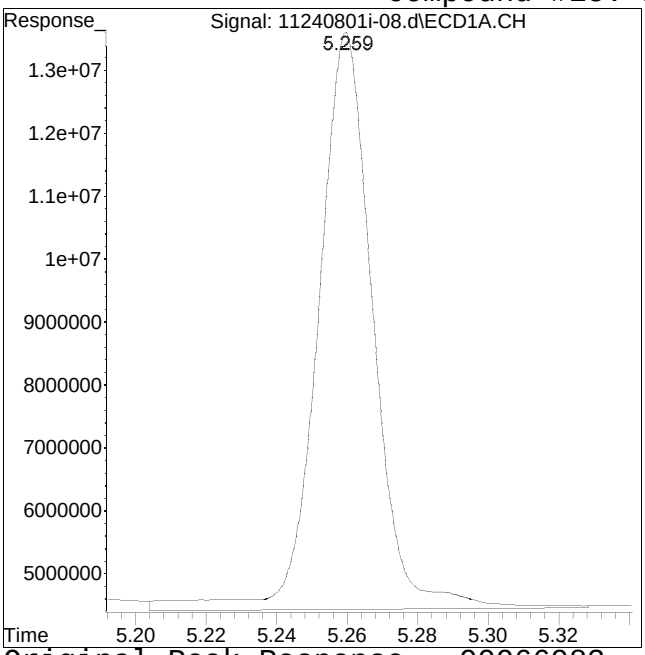


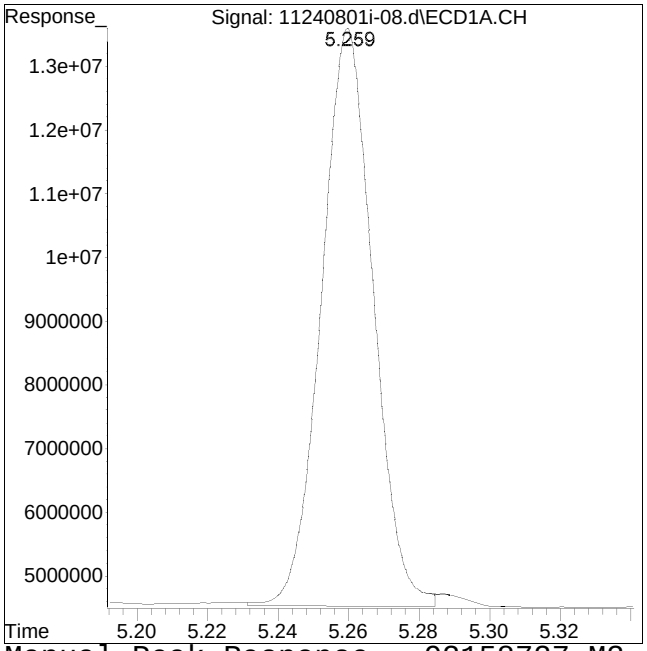
Original Peak Response = 93618148 Manual Peak Response = 88807138 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #25: Endosulfan Sulfate





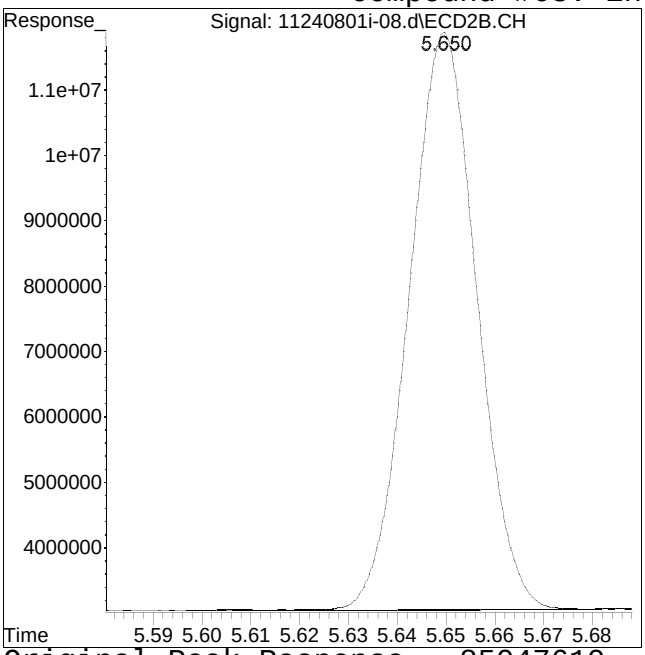
Original Peak Response = 99966983 Manual Peak Response = 92158727 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

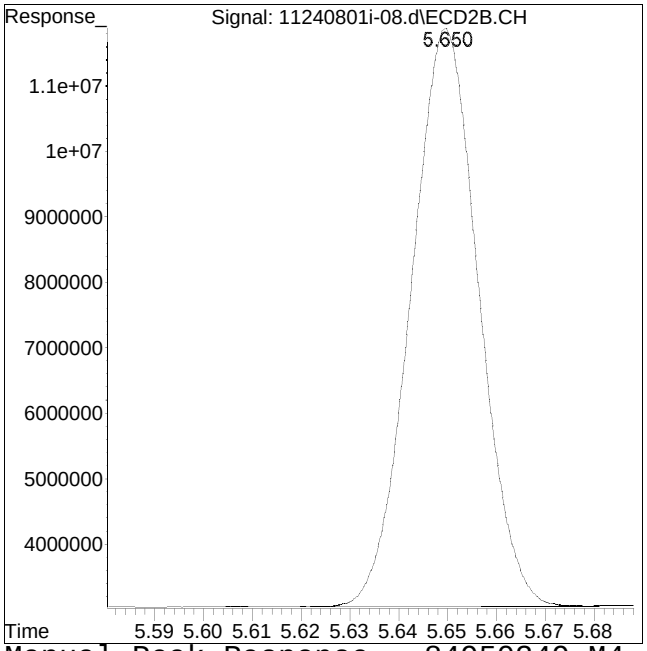
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 85047610



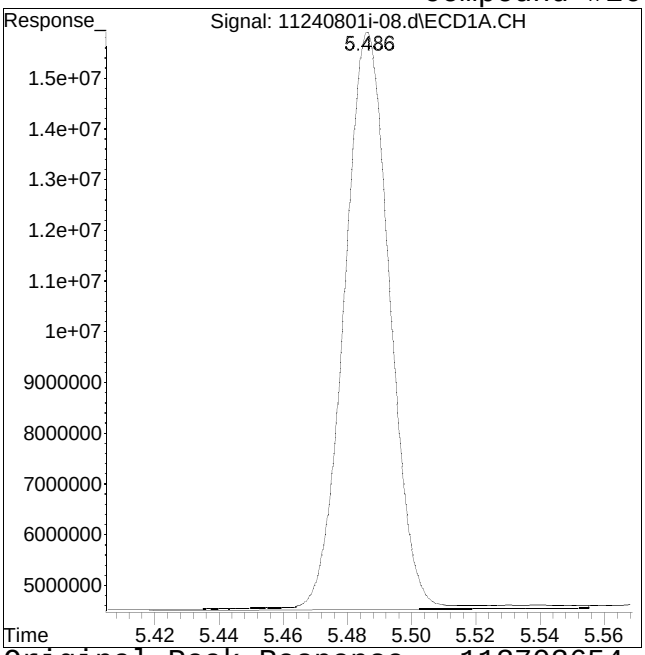
Manual Peak Response = 84950349 M4

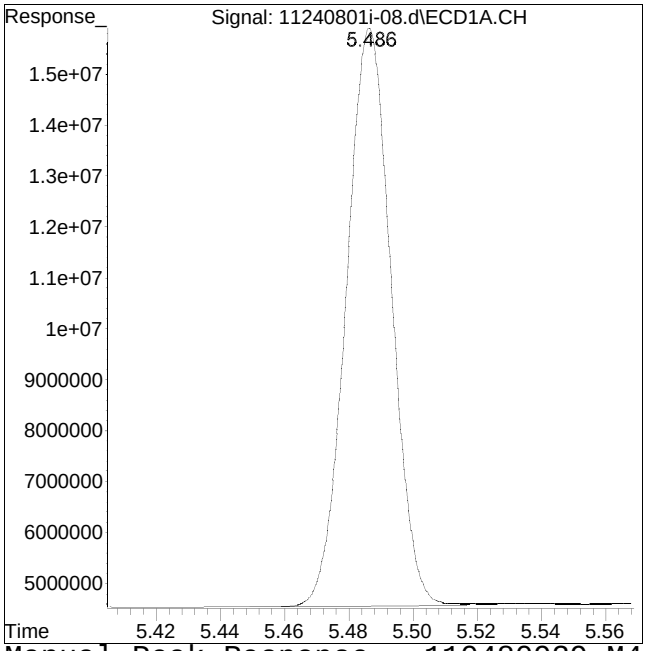
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #26: Endrin Ketone





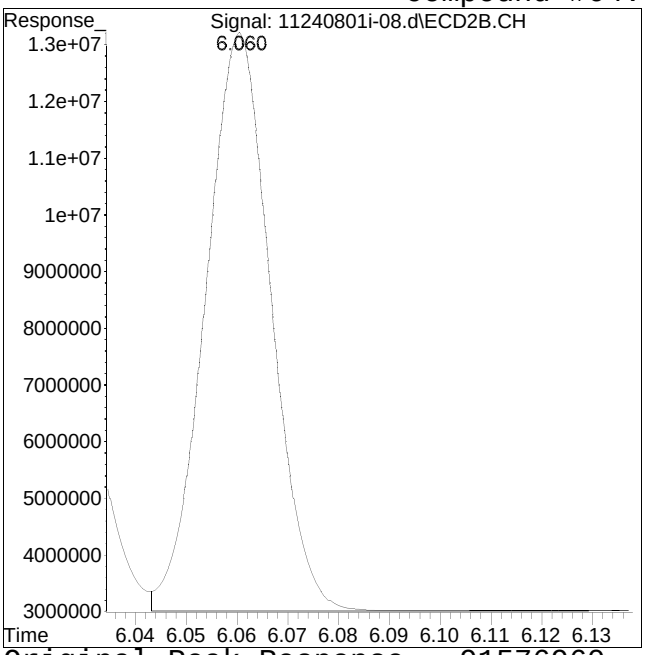
Original Peak Response = 113703654 Manual Peak Response = 110480939 M4
M4 = Poor automated baseline construction.

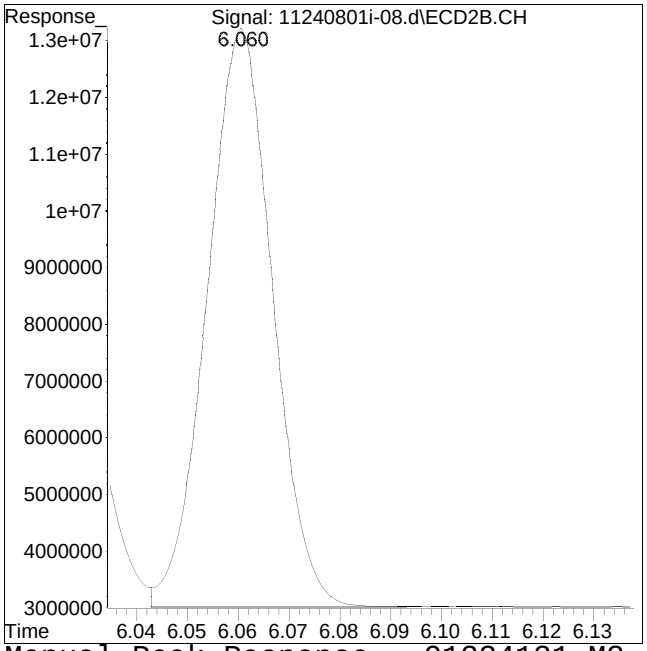
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #64: Endrin Ketone #2





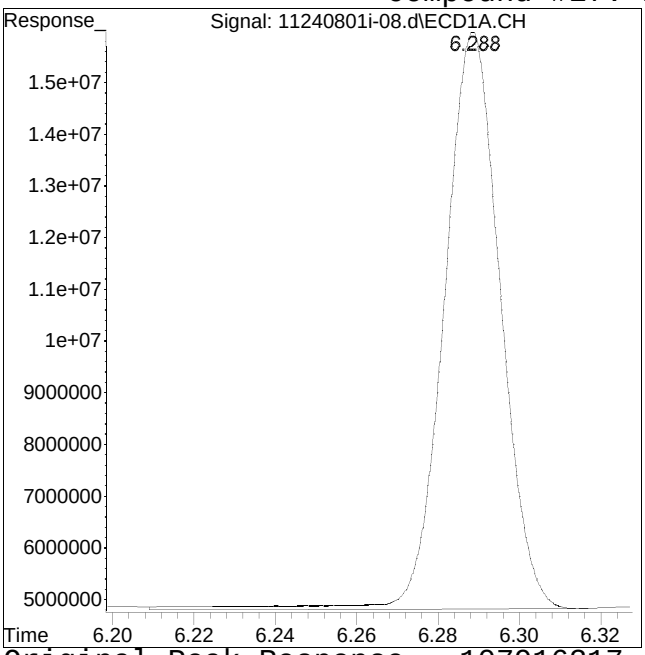
Original Peak Response = 91576960 Manual Peak Response = 91234131 M3

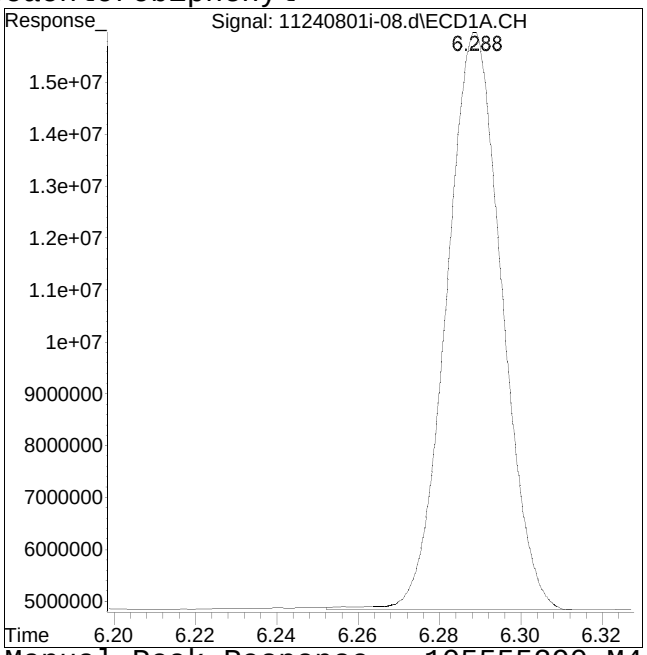
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #27: Decachlorobiphenyl





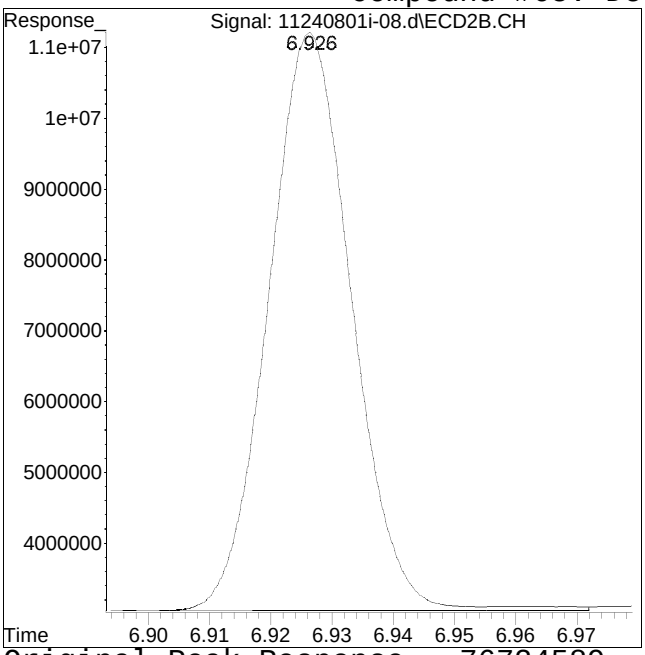
Original Peak Response = 107916317 Manual Peak Response = 105555290 M4
M4 = Poor automated baseline construction.

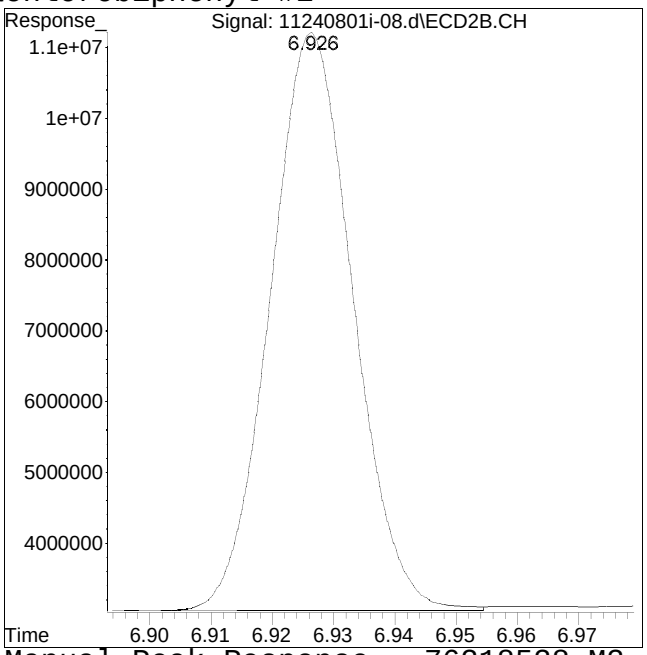
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 76724589 Manual Peak Response = 76218538 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:49
Operator : PEST11:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:03:26 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:03:16 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	236.1E6	187.7E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	492.0E6	407.5E6	NoCal M3	NoCal
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	6.288	6.920	489.2E6	351.4E6	NoCal M4	NoCal M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.178	634.9E6	430.2E6	NoCal M3	NoCal M4
4) t	alpha-BHC	1.963	2.271	745.5E6	633.1E6	NoCal M4	NoCal M4
5) t	gamma-BHC (l	2.165	2.556	687.9E6	572.6E6	NoCal M4	NoCal M4
6) t	beta-BHC	2.221	2.622	286.7E6	241.2E6	NoCal M4	NoCal M3
7) t	delta-BHC	2.350	2.889	694.2E6	581.2E6	NoCal M4	NoCal M4
8) t	Heptachlor	2.513	2.952	641.1E6	583.2E6	NoCal M4	NoCal M4
9) t	Aldrin	2.756	3.271	607.8E6	538.3E6	NoCal M4	NoCal M4
10) t	Alachlor	2.876	3.153	106.6E6	73985916	NoCal M4	NoCal M4
11) t	Chlorpyrifos	2.968	3.507	254.3E6	276.4E6	NoCal M4	NoCal

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:49
Operator : PEST11:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:03:26 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:03:16 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.883	567.8E6	507.8E6	NoCal M3	NoCal M4
13)	t	gamma-Chlord	3.425	4.104	508.9E6	459.6E6	NoCal M4	NoCal M4
14)	t	alpha-Chlord	3.559	4.274	577.6E6	510.2E6	NoCal M3	NoCal M4
15)	t	4,4'-DDE	3.656	4.473	579.1E6	505.9E6	NoCal M4	NoCal M4
16)	t	Endosulfan I	3.695	4.336	533.8E6	473.2E6	NoCal M3	NoCal M4
17)	t	Dieldrin	3.955	4.628	554.2E6	490.0E6	NoCal M4	NoCal M4
18)	t	Endrin	4.210	4.926	563.1E6	497.8E6	NoCal	NoCal M4
19)	t	4,4'-DDD	4.322	5.049	451.2E6	402.1E6	NoCal	NoCal M4
20)	t	Endosulfan I	4.452	5.125	505.7E6	433.2E6	NoCal	NoCal M4
21)	t	4,4'-DDT	4.616	5.326	511.5E6	460.7E6	NoCal M4	NoCal M4
22)	t	Endrin Aldeh	4.868	5.421	414.1E6	353.4E6	NoCal M4	NoCal M3
23)	t	Methoxychlor	5.104	5.890	267.0E6	236.7E6	NoCal M4	NoCal M4
24)	t	Mirex	5.160	6.023	415.8E6	345.7E6	NoCal M3	NoCal M4
25)	t	Endosulfan S	5.260	5.649	466.7E6	415.6E6	NoCal M3	NoCal M3
26)	t	Endrin Keton	5.487	6.060	564.8E6	452.3E6	NoCal M4	NoCal M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:49
Operator : PEST11:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:03:26 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:03:16 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

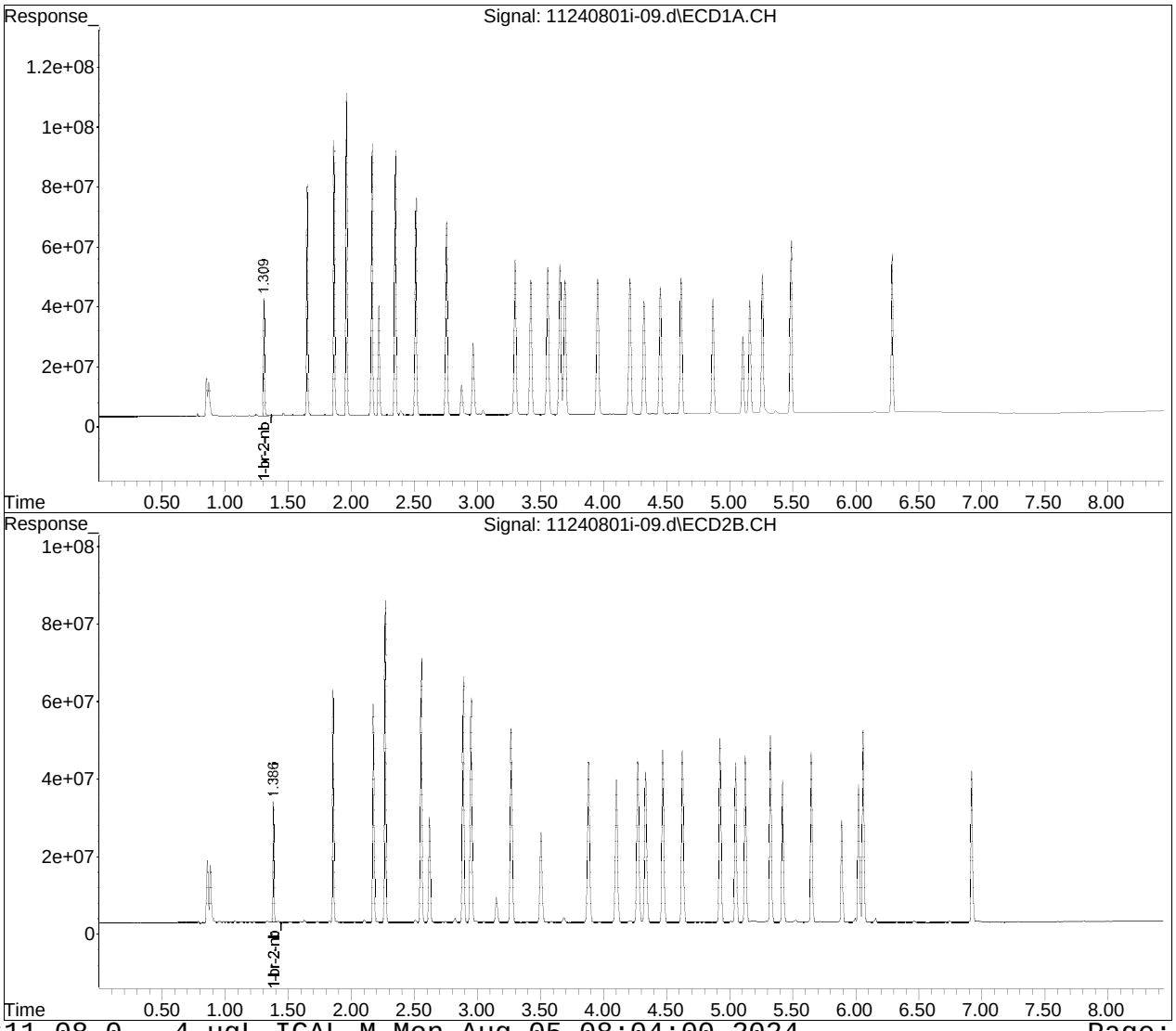
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:49
Operator : PEST11:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:03:26 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:03:16 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

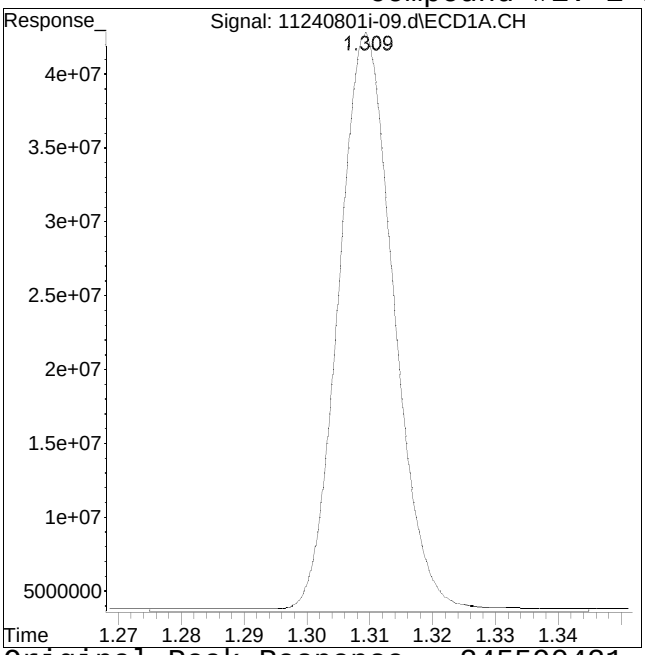
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

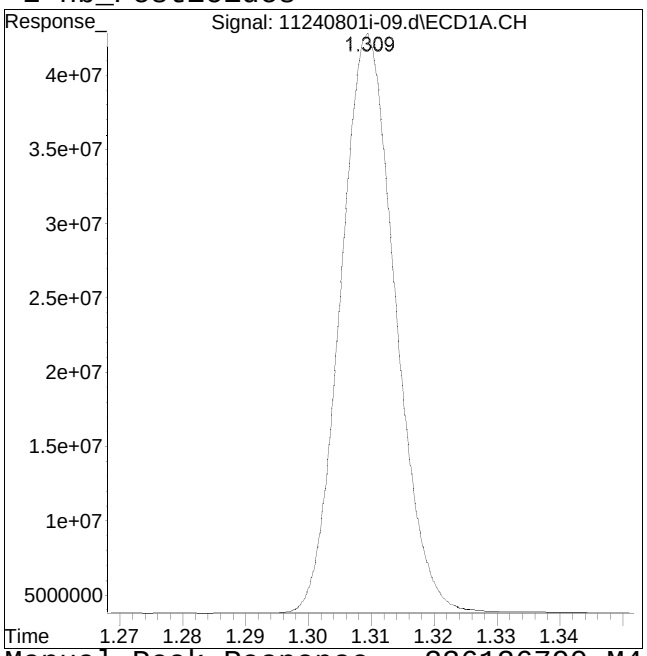


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #1: 1-br-2-nb_Pesticides





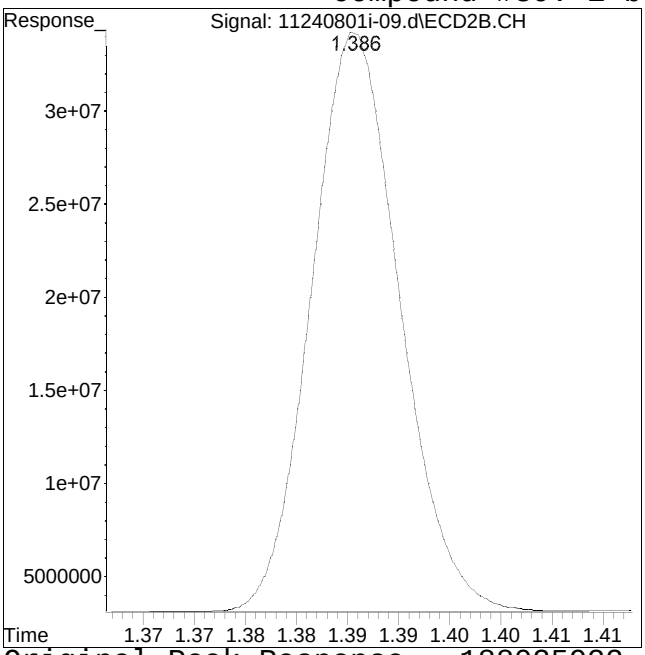
Original Peak Response = 245590421 Manual Peak Response = 236126790 M4
M4 = Poor automated baseline construction.

Manual Integration Report

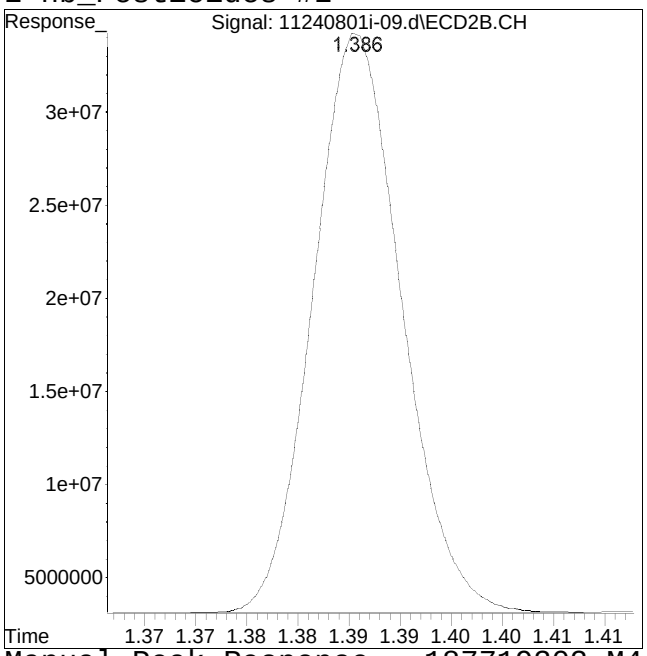
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 188025922



Manual Peak Response = 187719302 M4

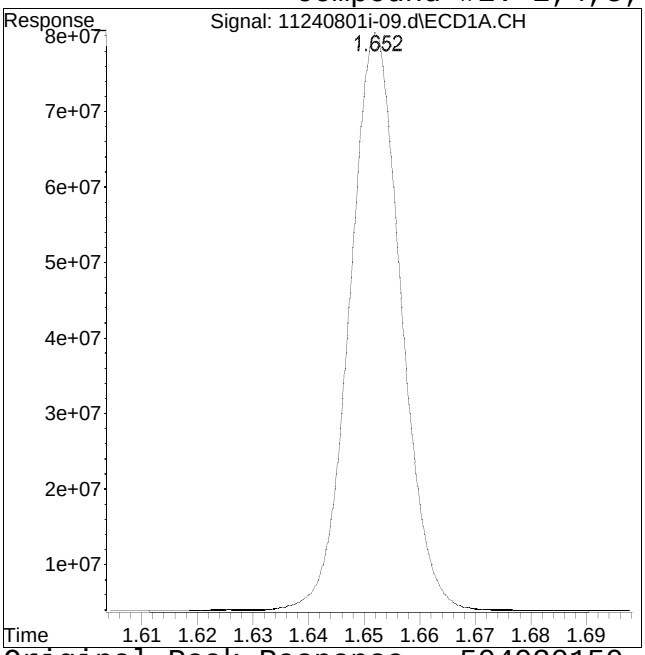
M4 = Poor automated baseline construction.

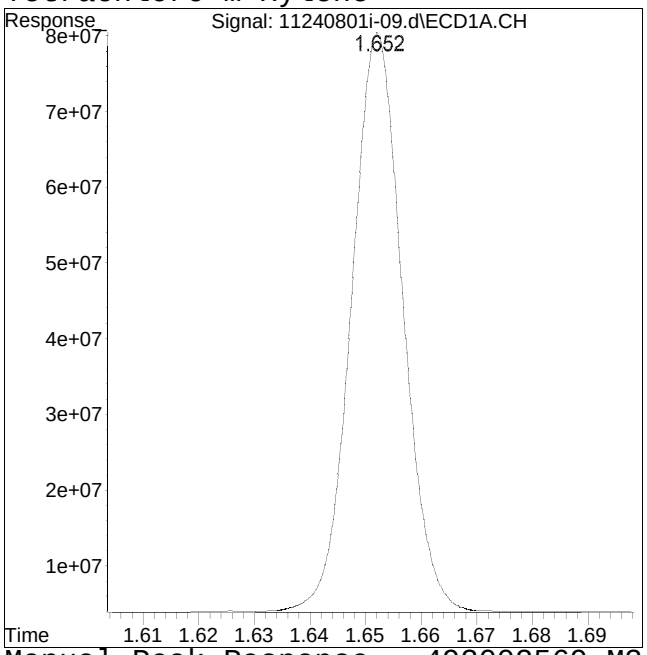
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



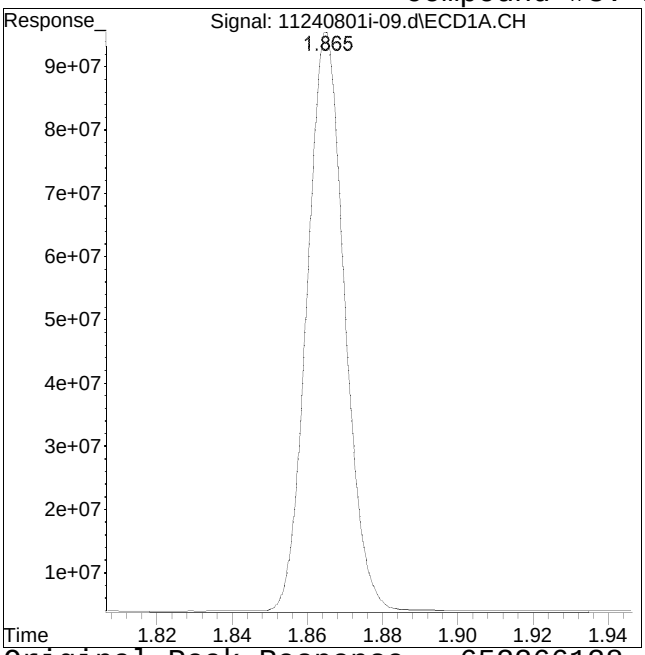


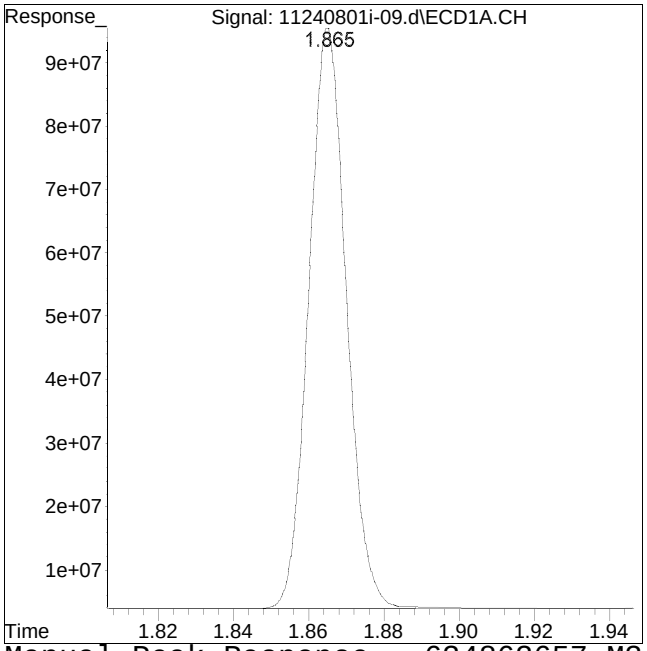
Original Peak Response = 504030150 Manual Peak Response = 492002569 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #3: Hexachlorobenzene



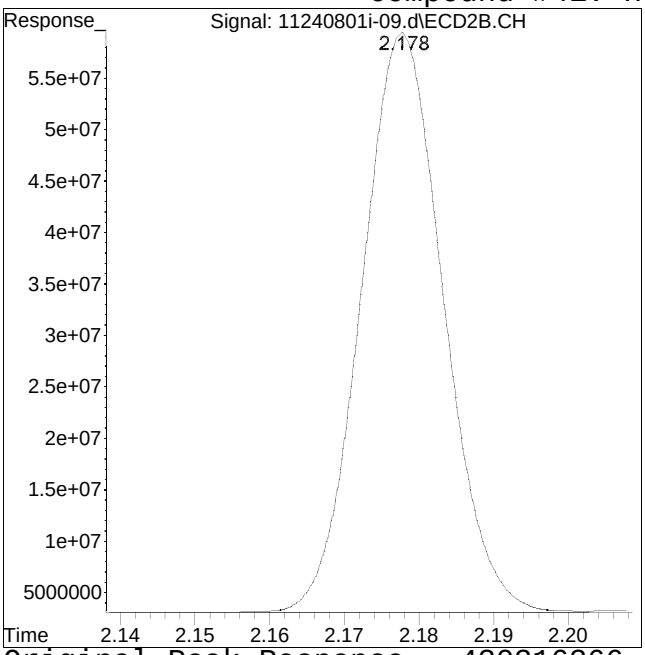


Original Peak Response = 652266128 Manual Peak Response = 634863657 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

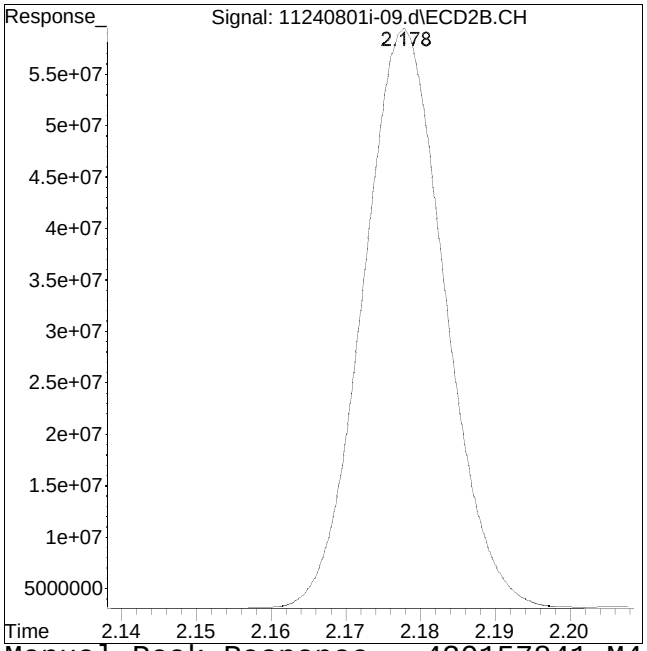
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 430316366



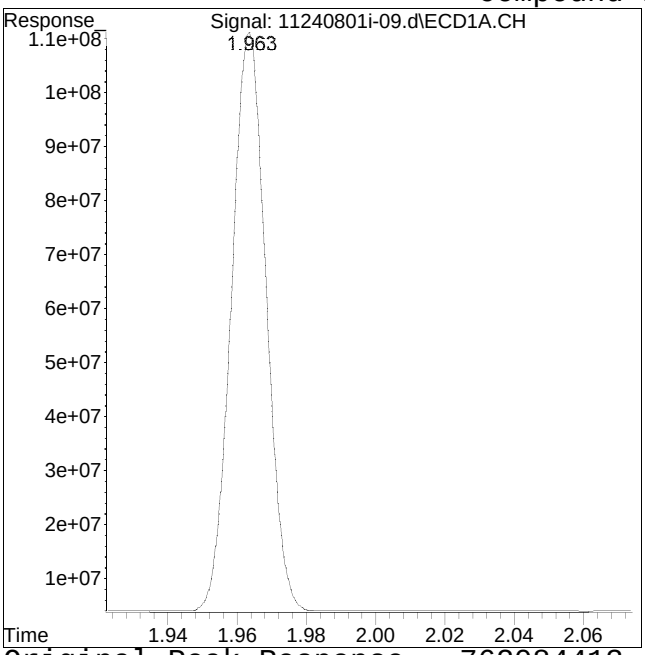
Manual Peak Response = 430157841 M4

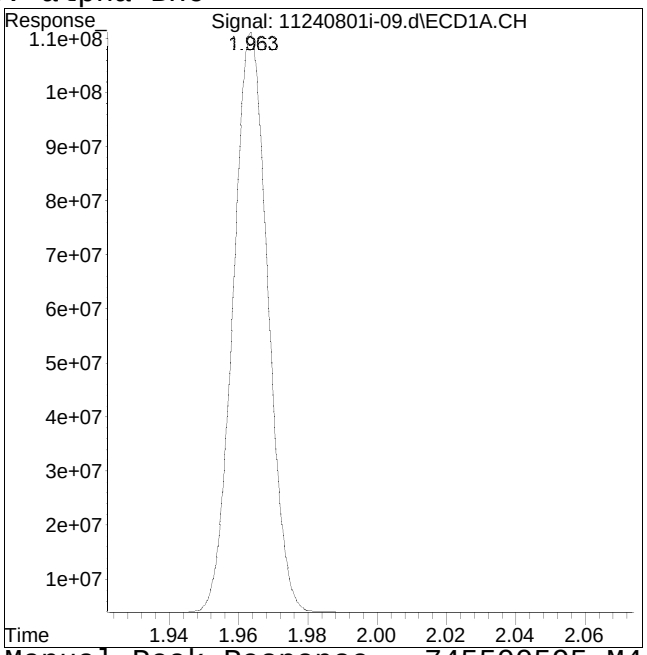
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #4: alpha-BHC



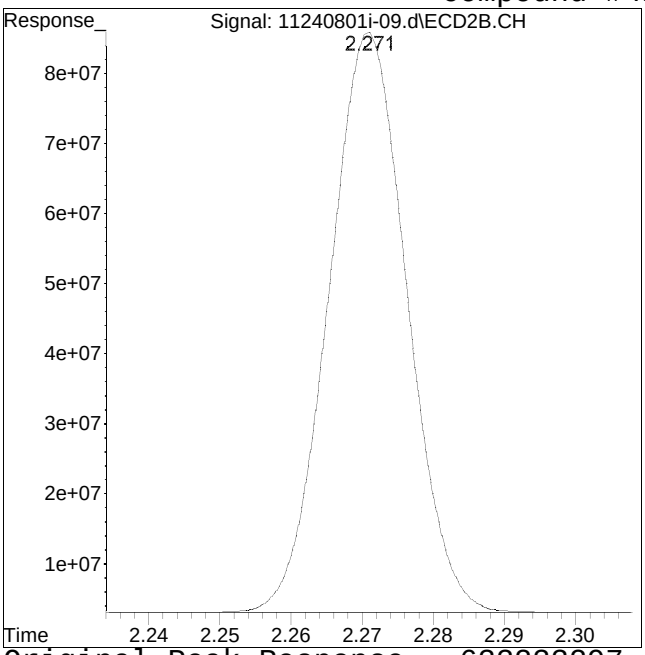


Original Peak Response = 762084413 Manual Peak Response = 745500595 M4
M4 = Poor automated baseline construction.

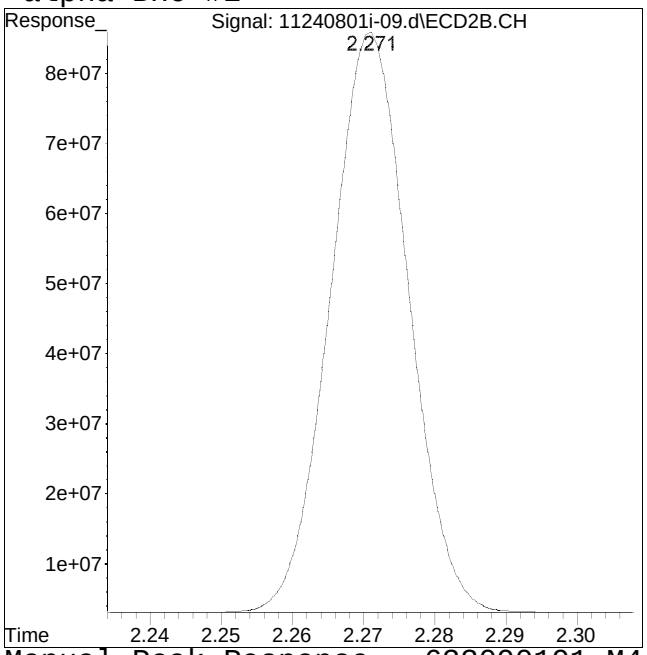
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #42: alpha-BHC #2



Original Peak Response = 633233297

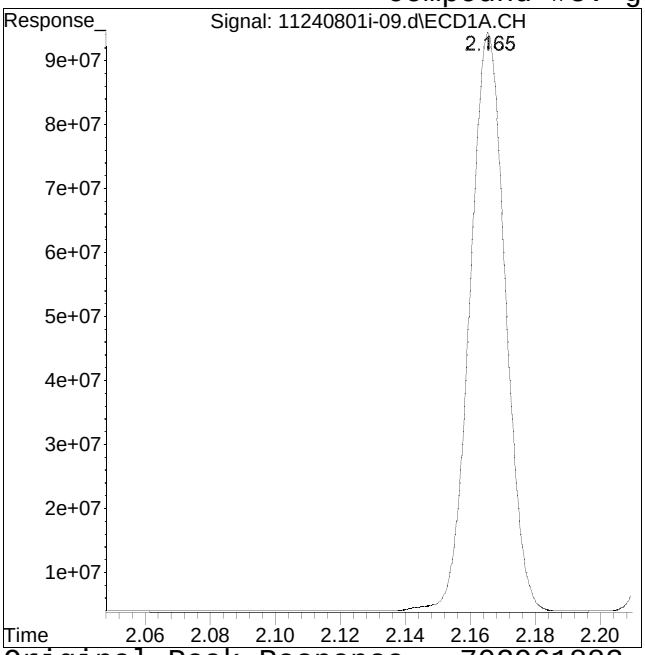


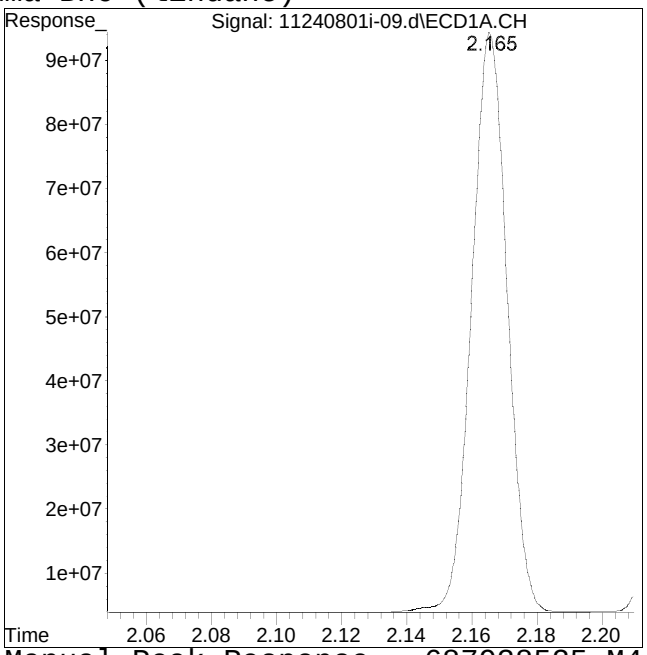
Manual Peak Response = 633090191 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #5: gamma-BHC (lindane)



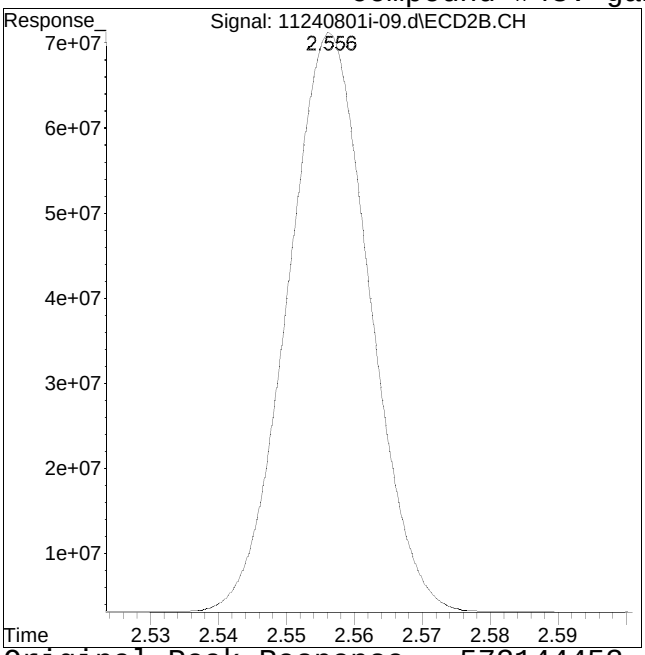


Original Peak Response = 702961883 Manual Peak Response = 687938525 M4
M4 = Poor automated baseline construction.

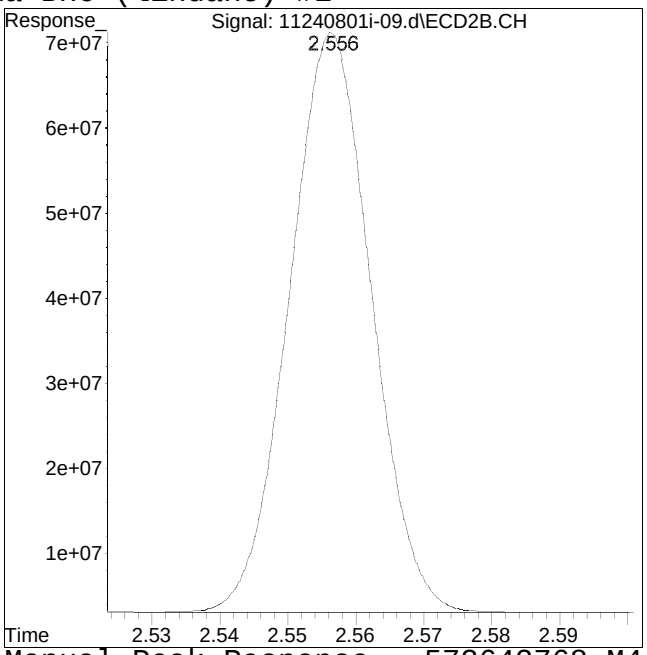
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 573144453

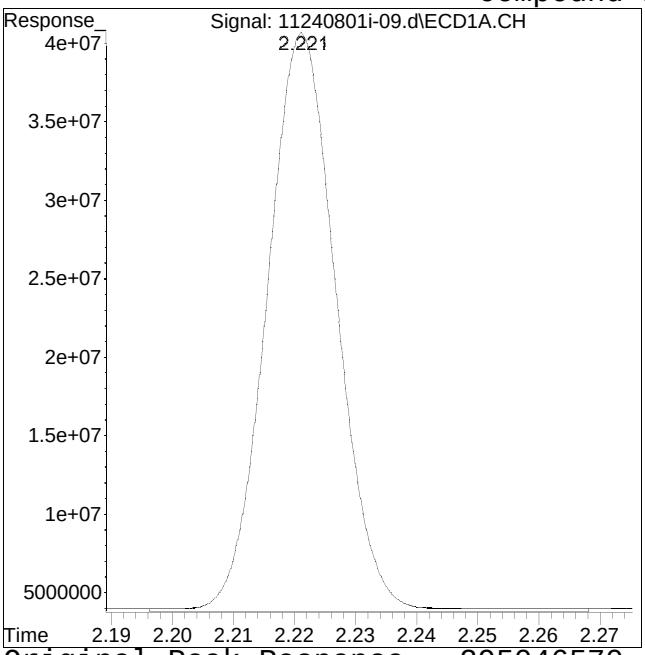


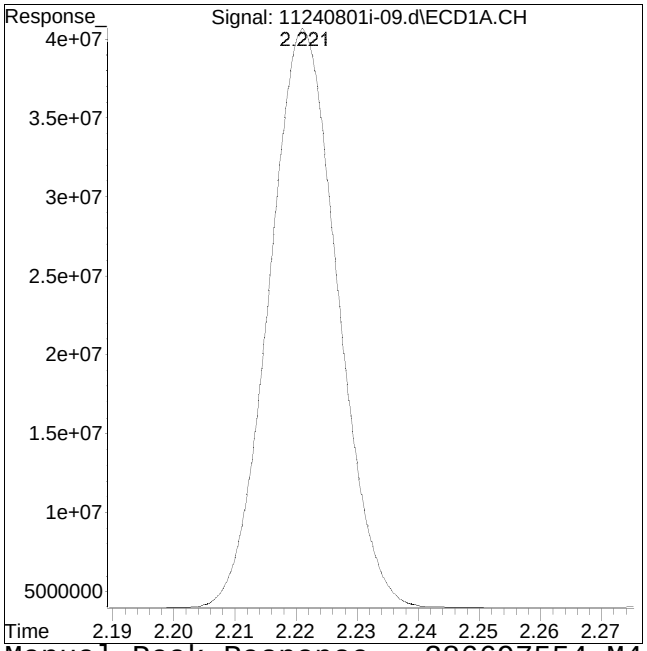
Manual Peak Response = 572642768 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #6: beta-BHC



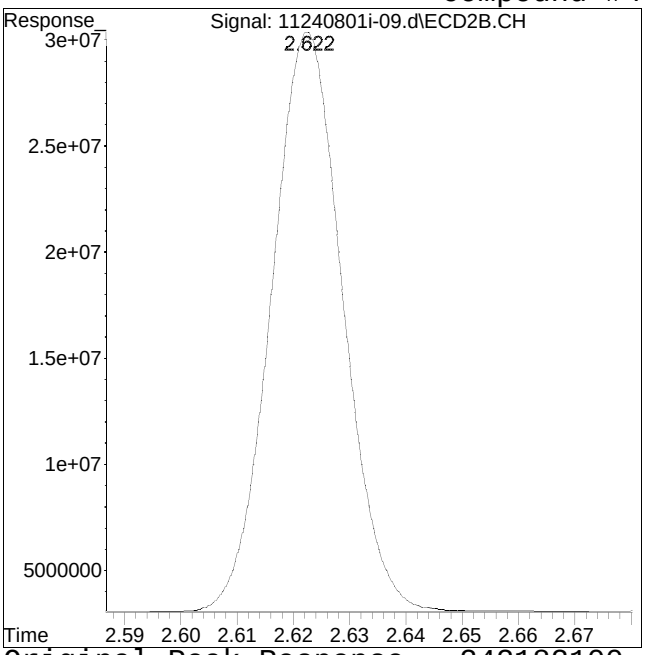


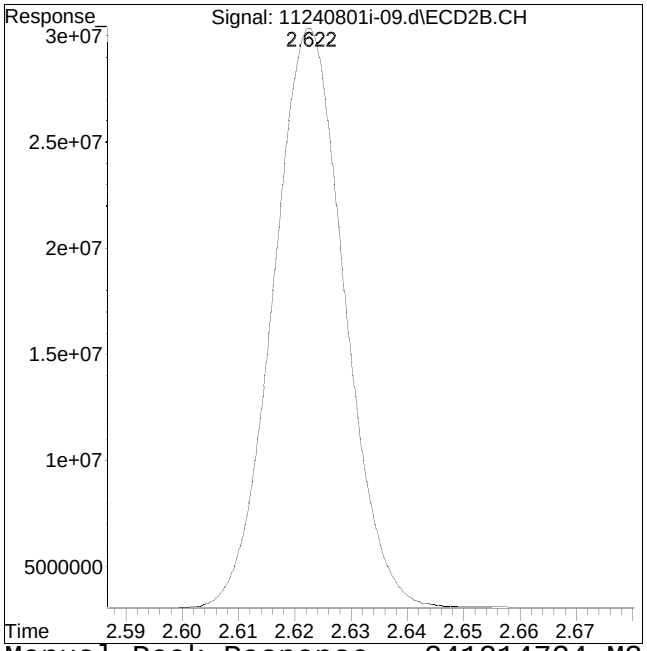
Original Peak Response = 295046570 Manual Peak Response = 286697554 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #44: beta-BHC #2



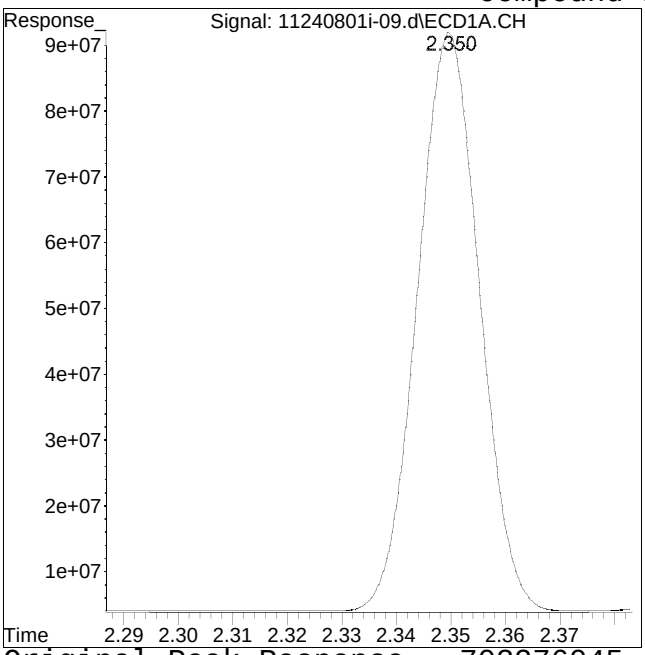


Original Peak Response = 242182100 Manual Peak Response = 241214724 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

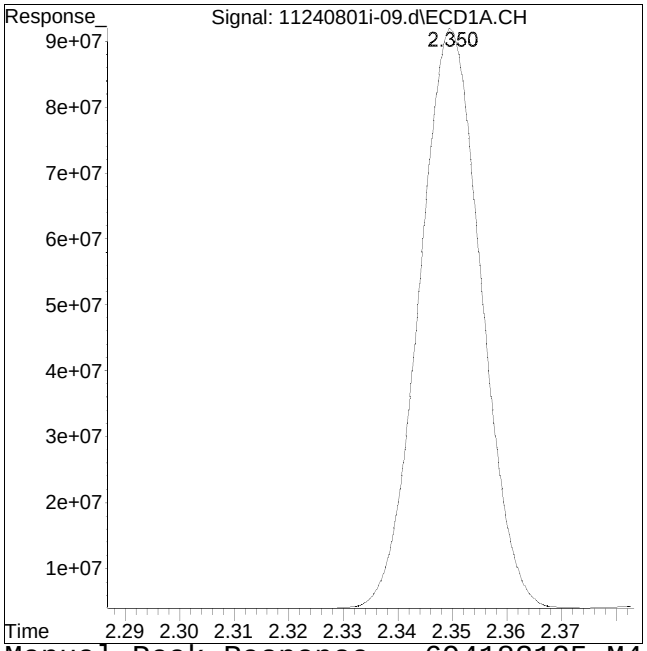
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #7: delta-BHC



Original Peak Response = 703276045



Manual Peak Response = 694183125 M4

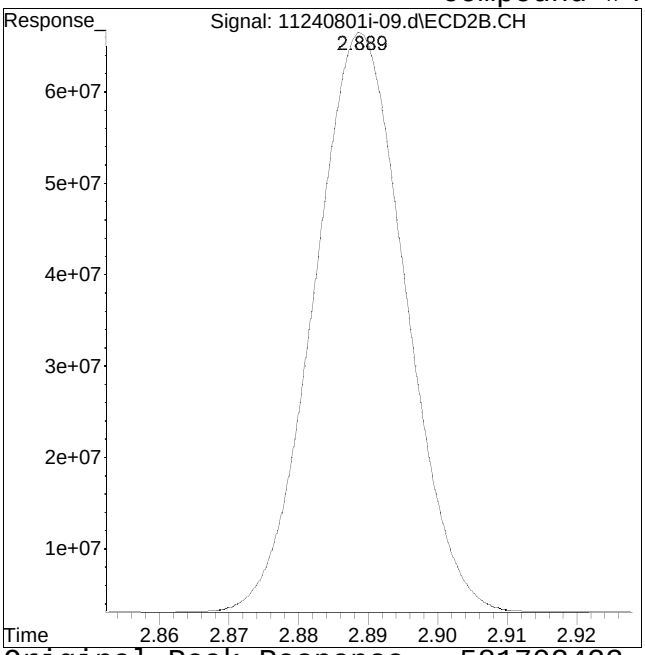
M4 = Poor automated baseline construction.

Manual Integration Report

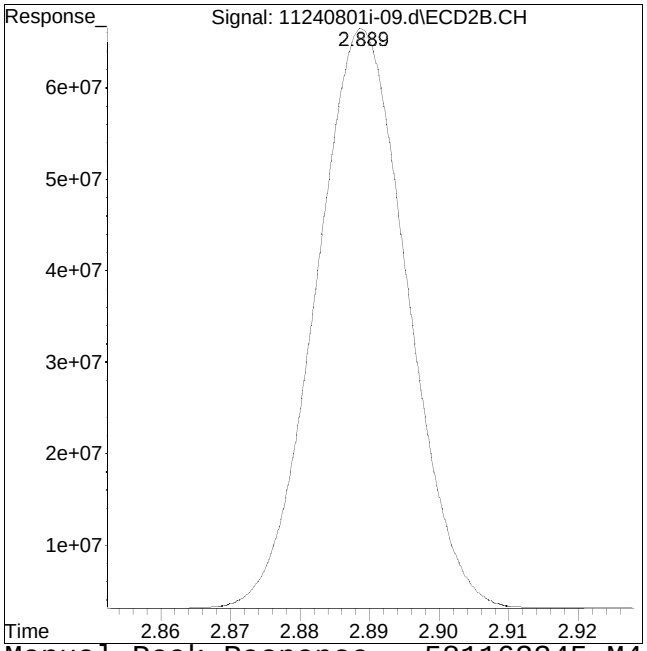
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #45: delta-BHC #2



Original Peak Response = 581702423



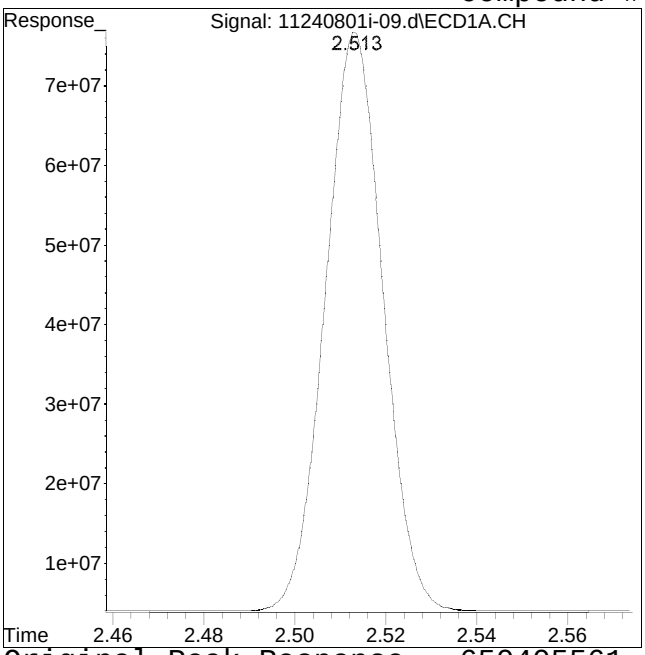
Manual Peak Response = 581163345 M4

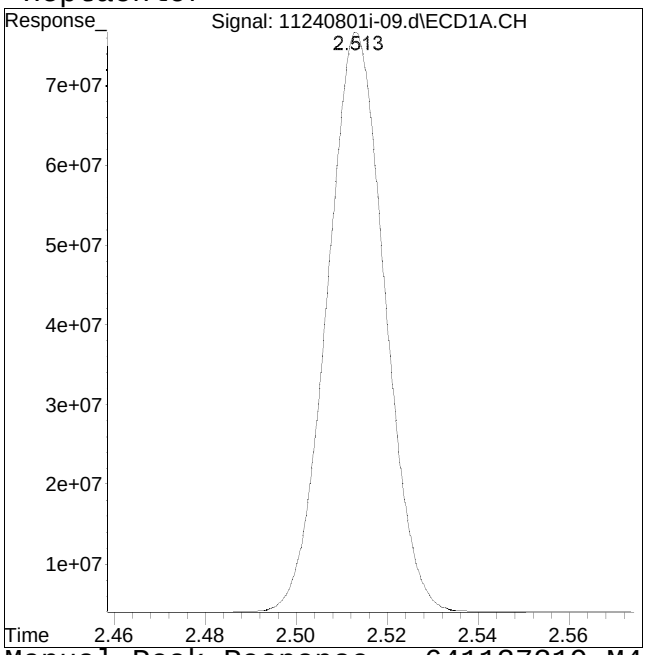
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #8: Heptachlor



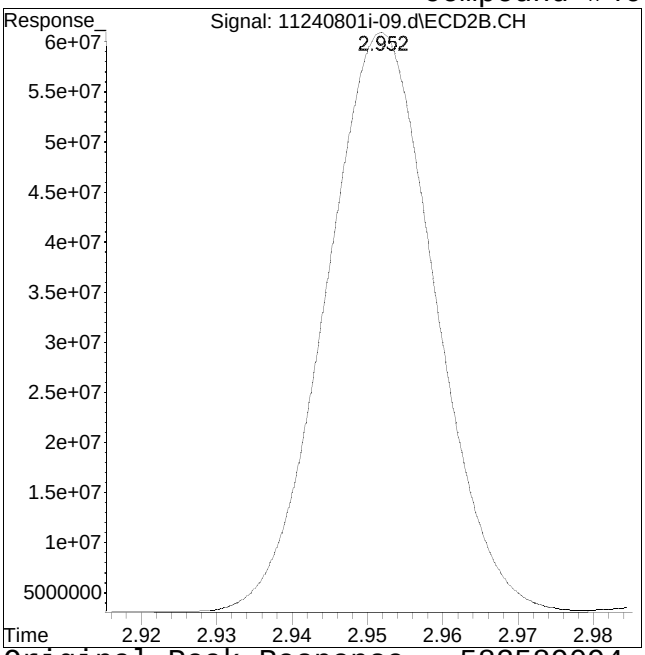


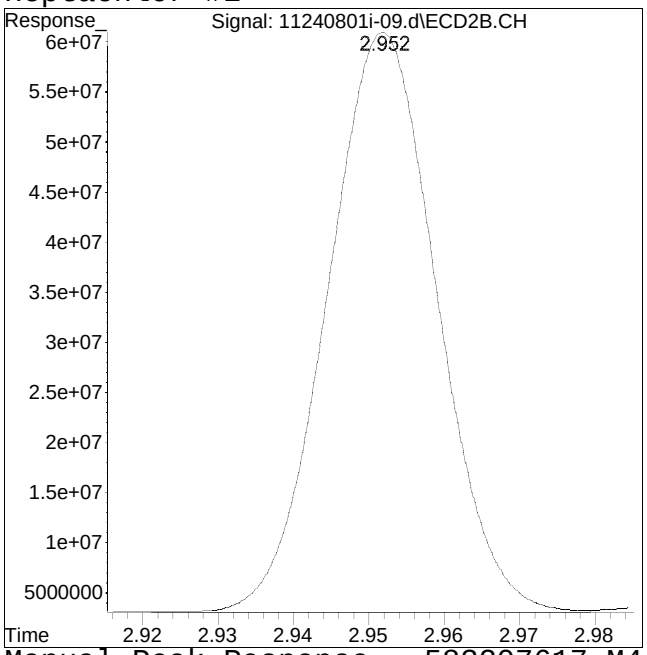
Original Peak Response = 650405561 Manual Peak Response = 641137319 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #46: Heptachlor #2



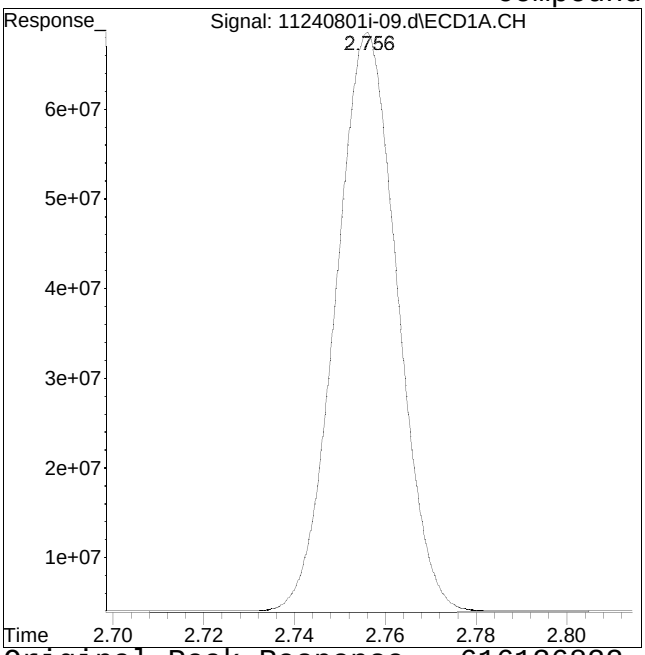


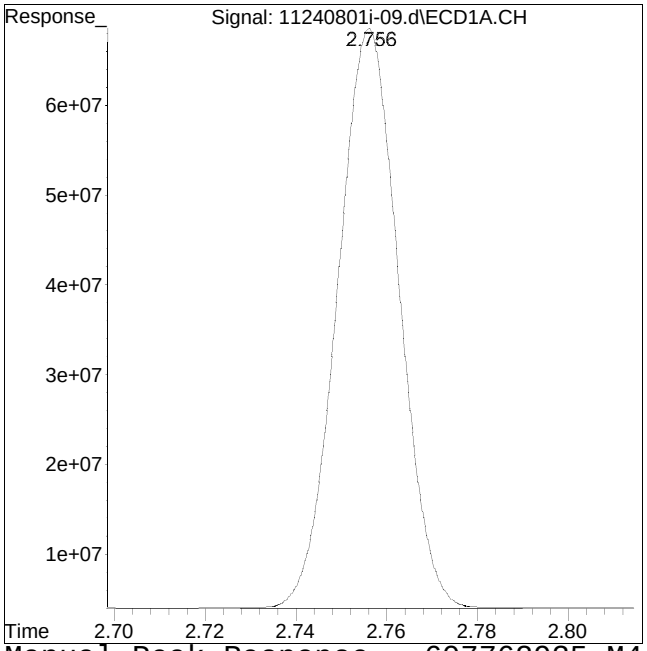
Original Peak Response = 583589094 Manual Peak Response = 583207617 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #9: Aldrin





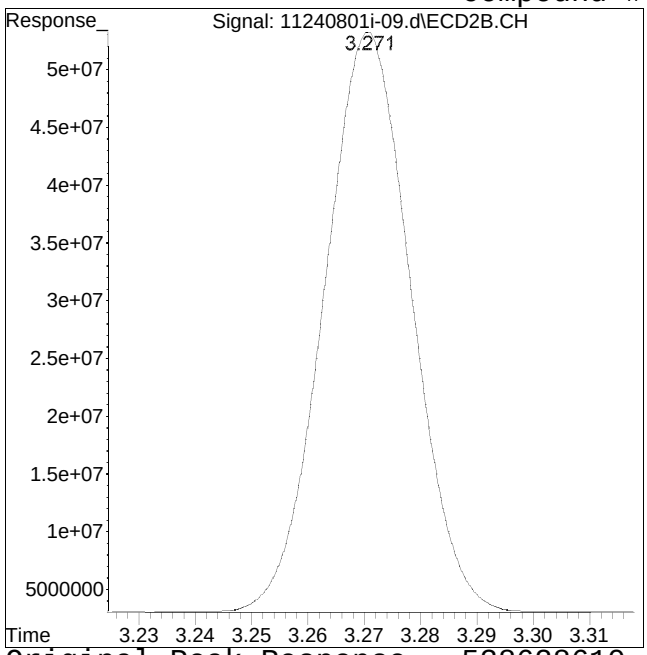
Original Peak Response = 616136822 Manual Peak Response = 607762935 M4
M4 = Poor automated baseline construction.

Manual Integration Report

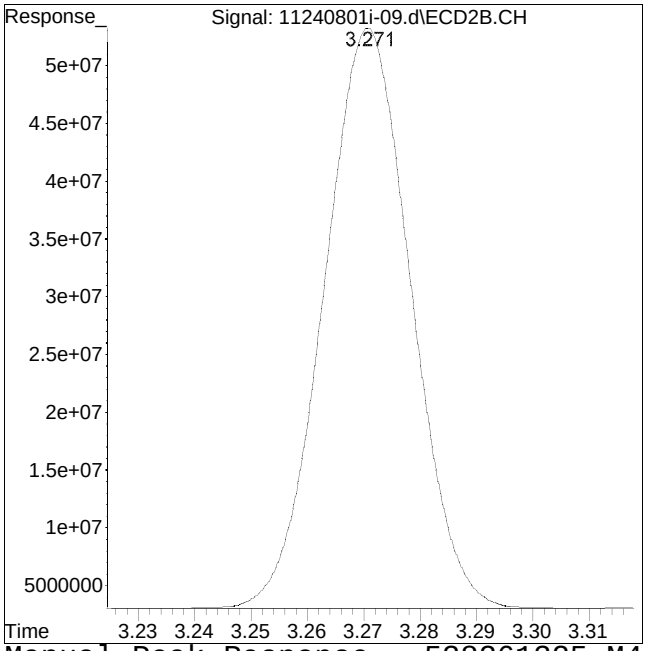
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #47: Aldrin #2



Original Peak Response = 538628610



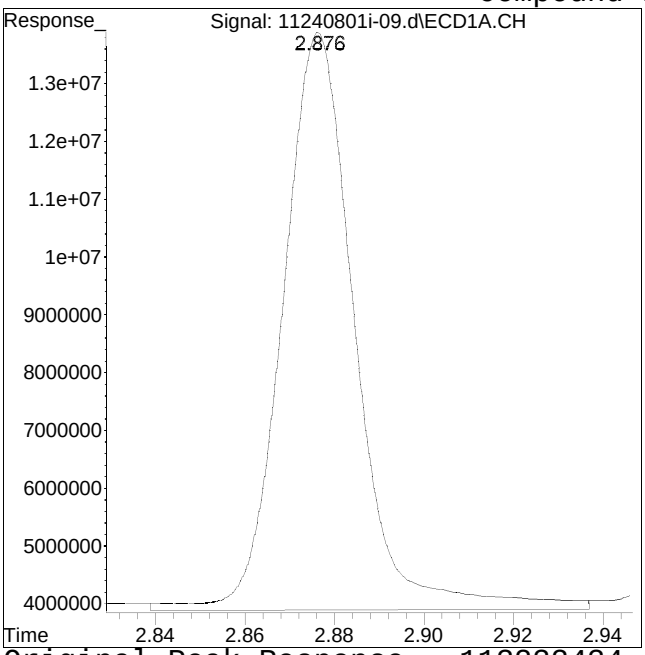
Manual Peak Response = 538261325 M4

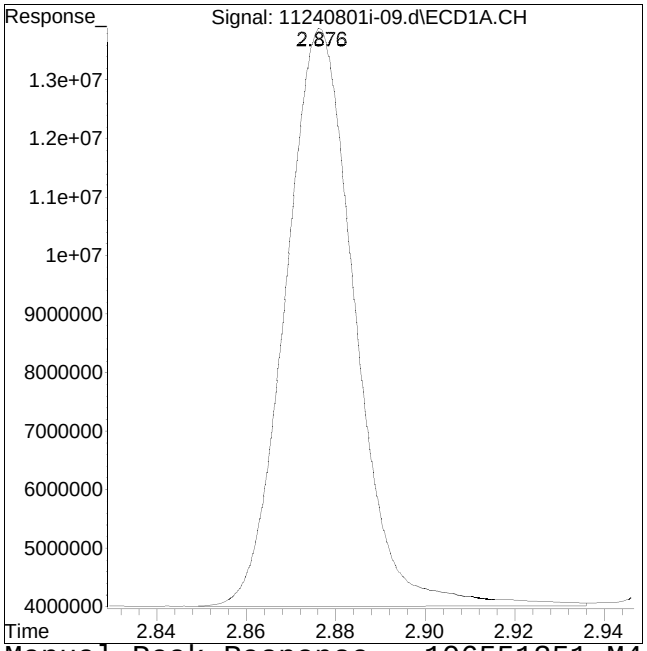
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #10: Alachlor



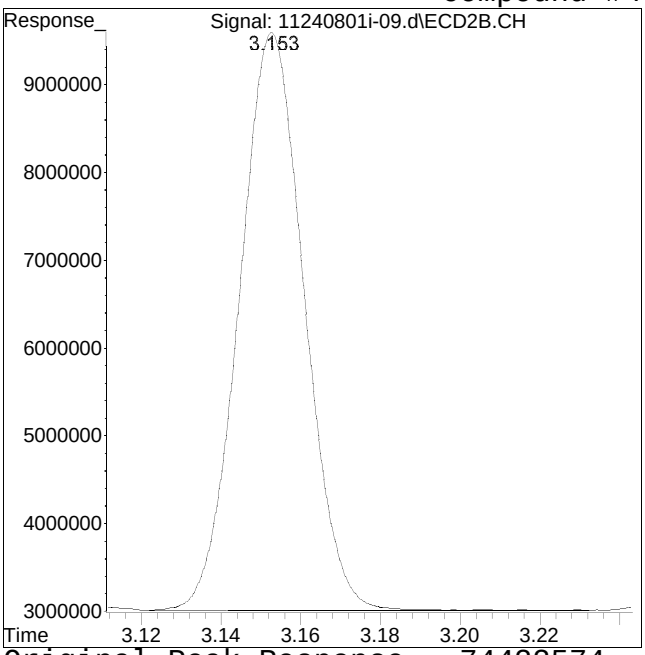


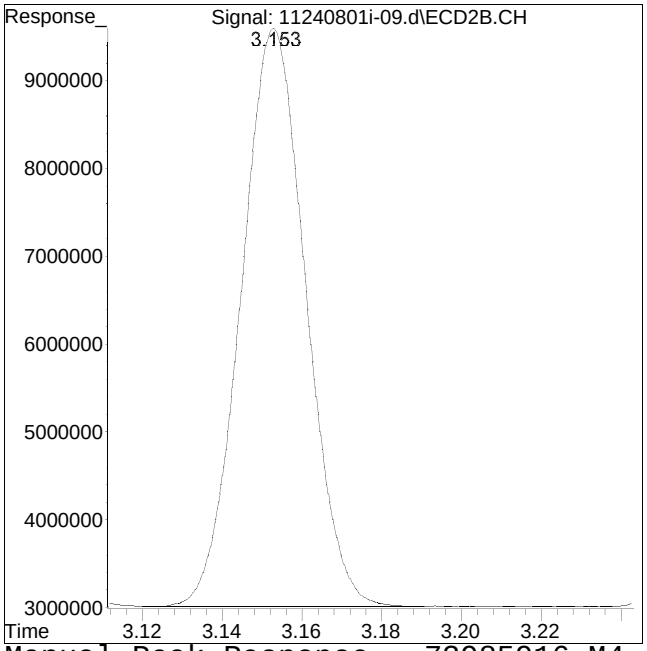
Original Peak Response = 113232434 Manual Peak Response = 106551351 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #48: Alachlor #2



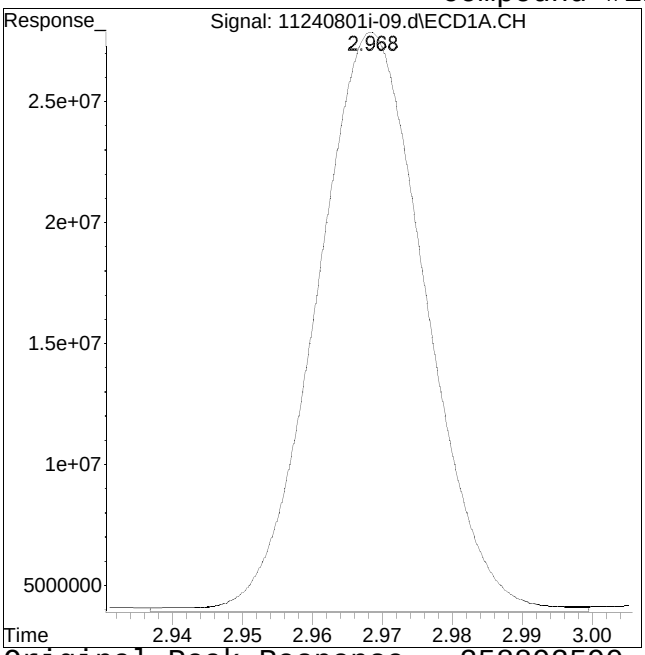


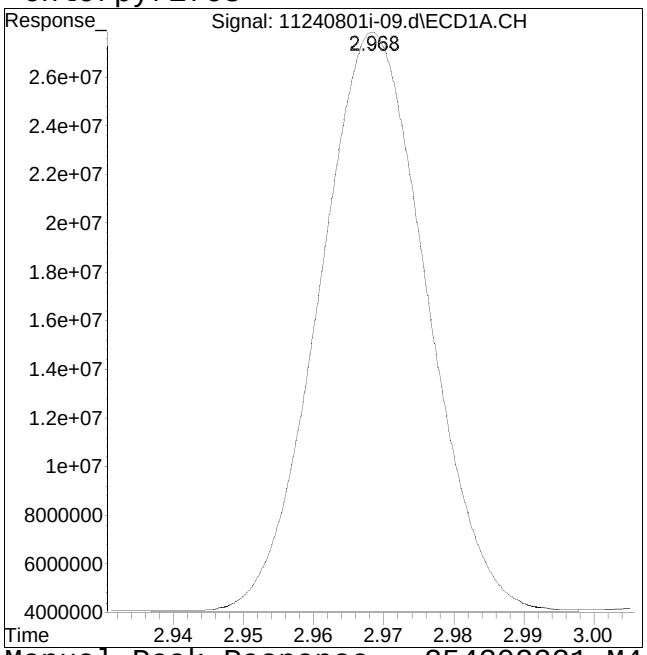
Original Peak Response = 74422574 Manual Peak Response = 73985916 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #11: Chlorpyrifos



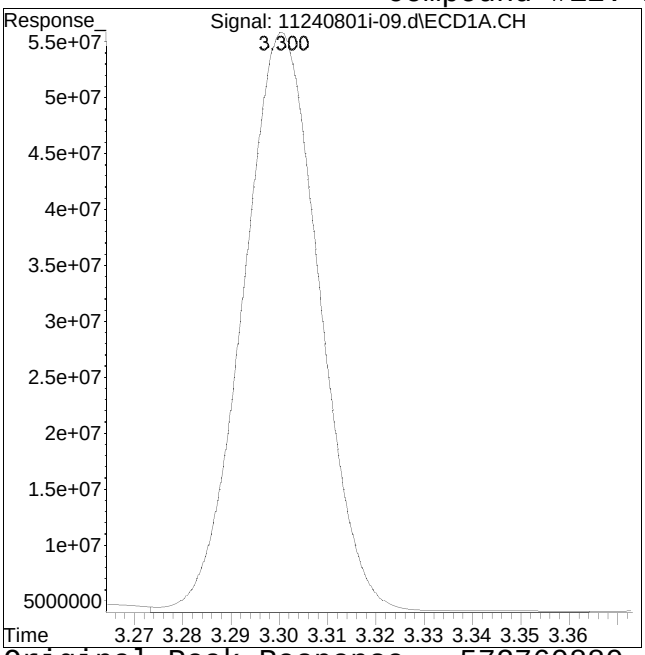


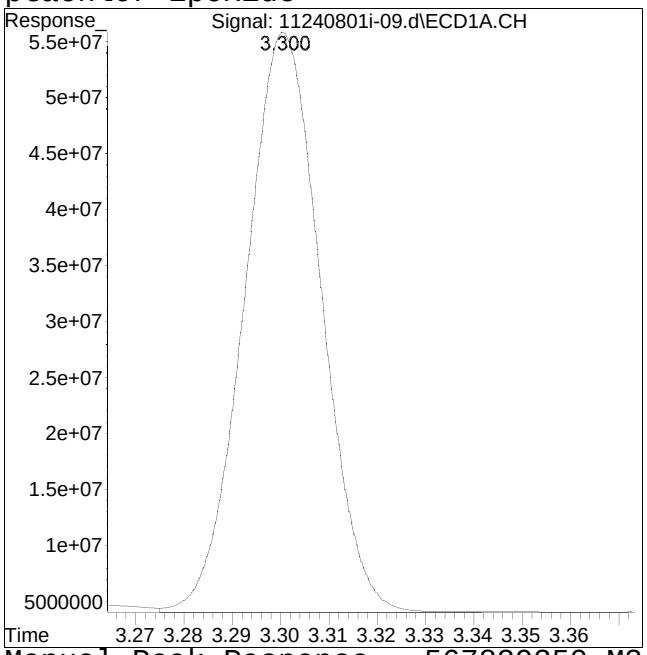
Original Peak Response = 258892590 Manual Peak Response = 254302221 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #12: Heptachlor Epoxide





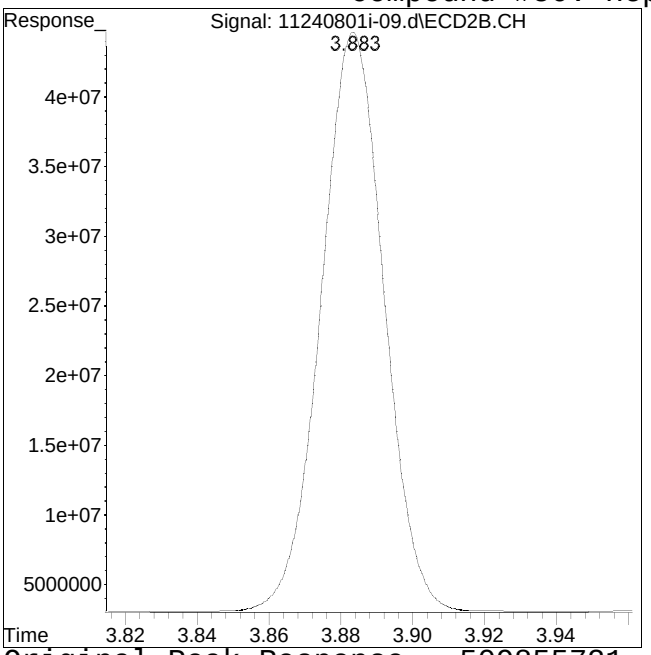
Original Peak Response = 572760880 Manual Peak Response = 567829350 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

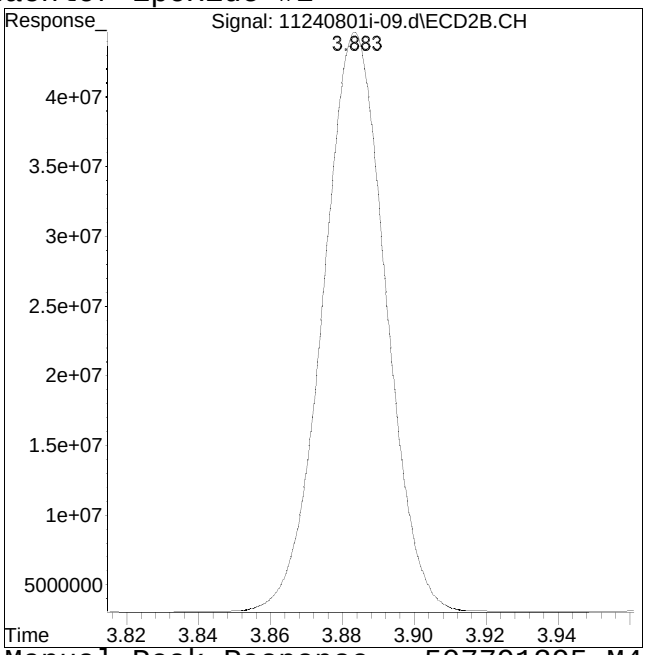
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 509855721



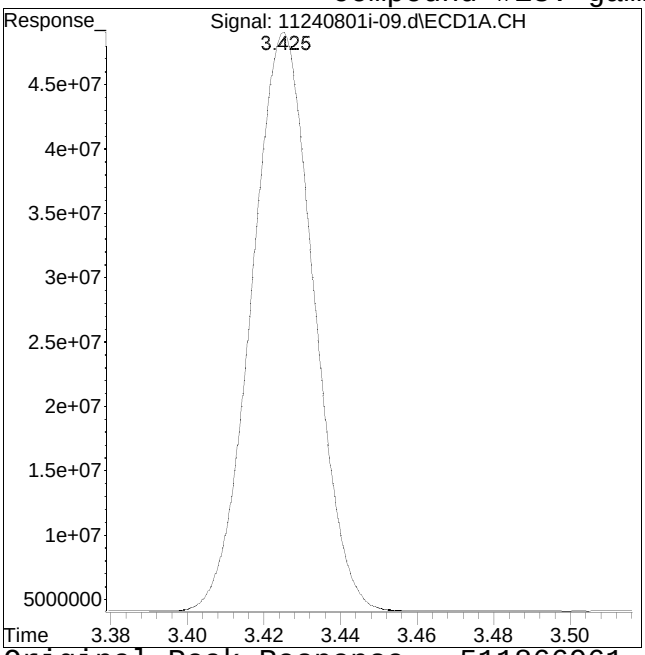
Manual Peak Response = 507791395 M4

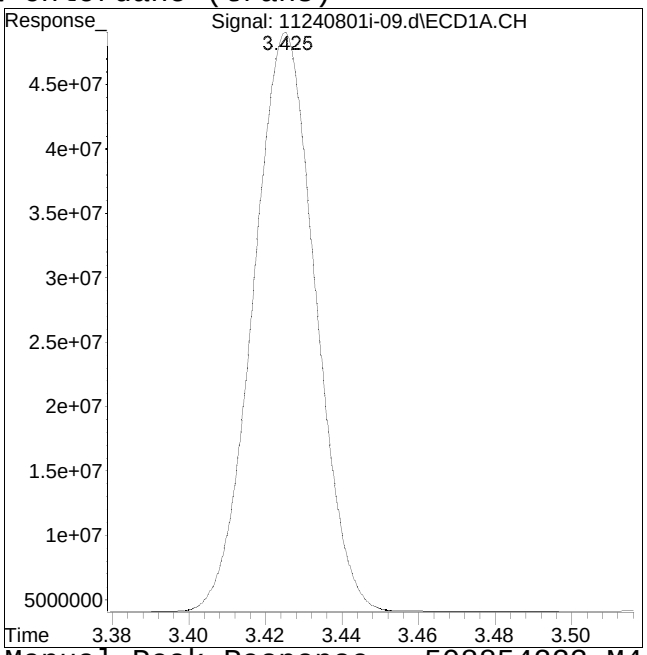
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #13: gamma-Chlordane (trans)



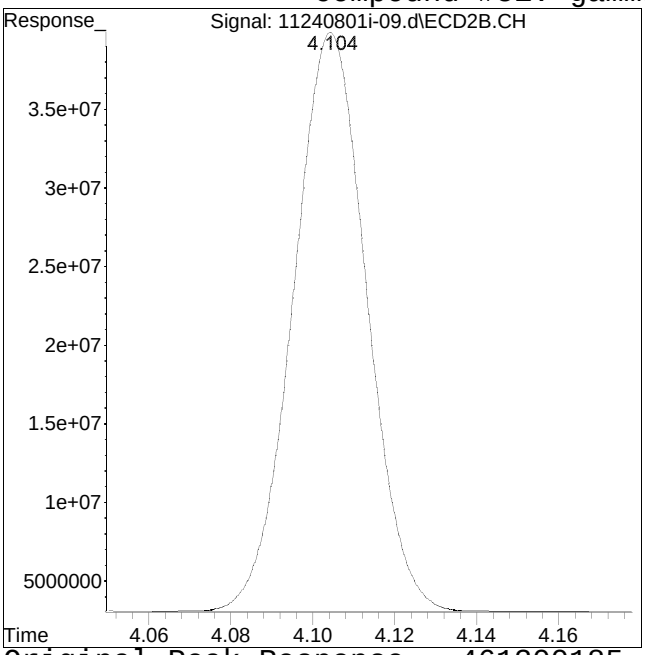


Original Peak Response = 511866961 Manual Peak Response = 508854223 M4
M4 = Poor automated baseline construction.

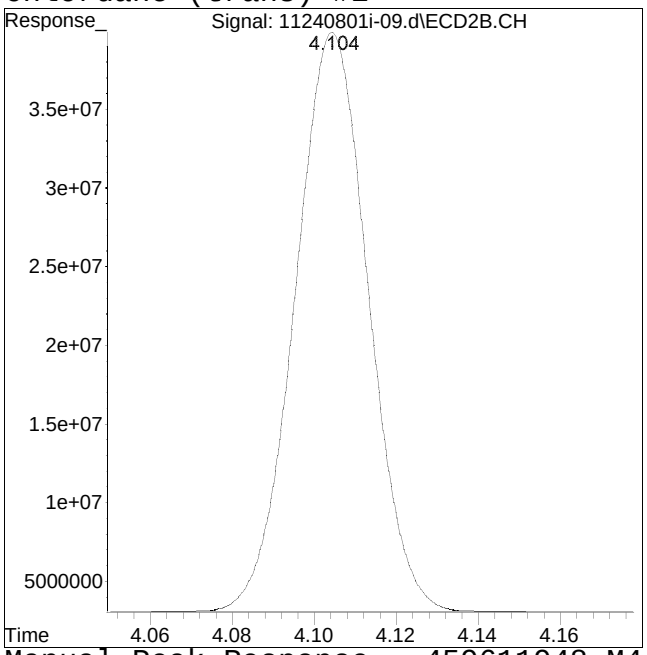
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 461300185

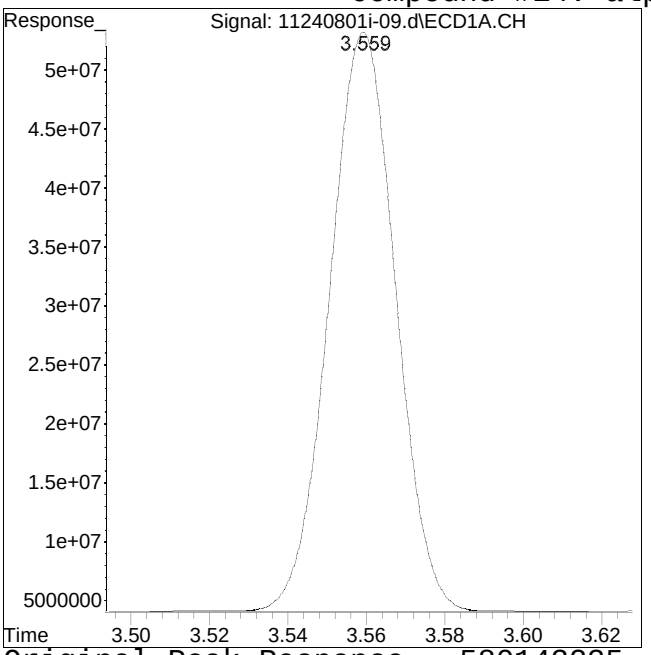


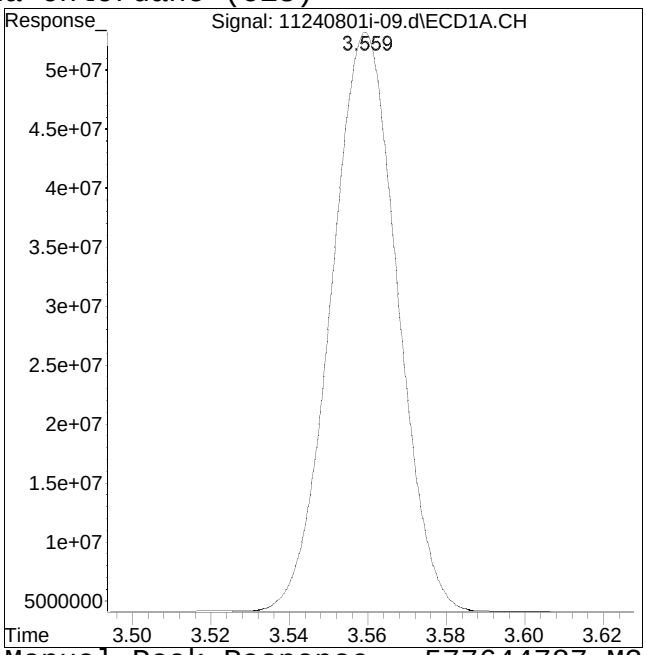
Manual Peak Response = 459611948 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #14: alpha-Chlordane (cis)



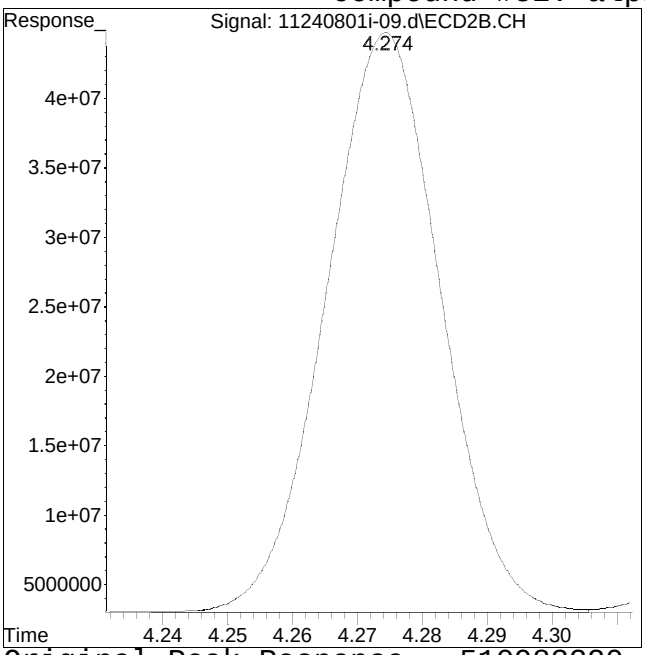


Original Peak Response = 580143235 Manual Peak Response = 577644787 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

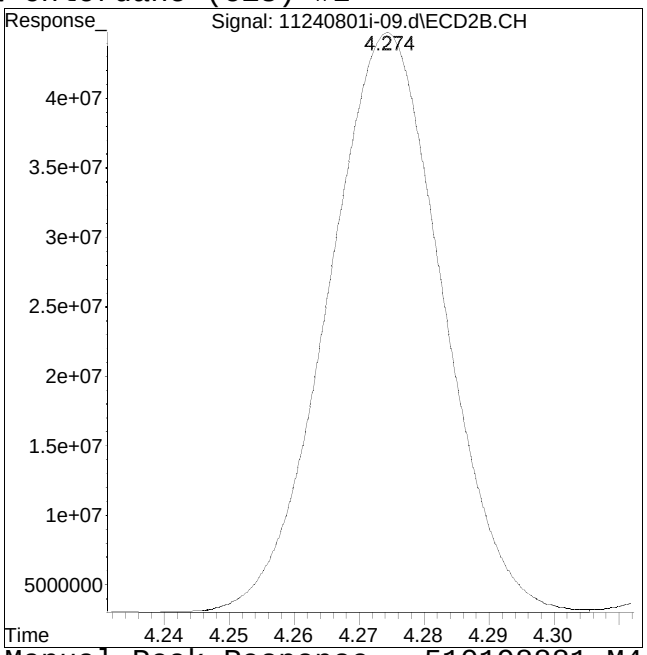
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 510983320



Manual Peak Response = 510198881 M4

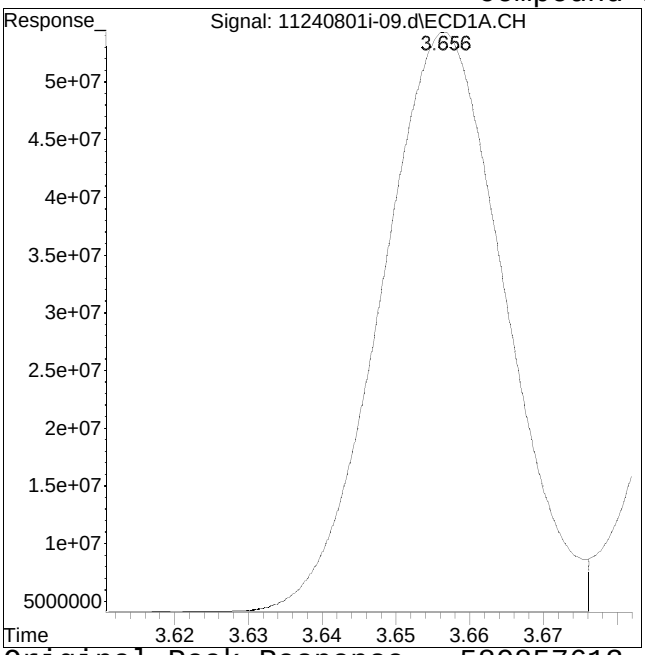
M4 = Poor automated baseline construction.

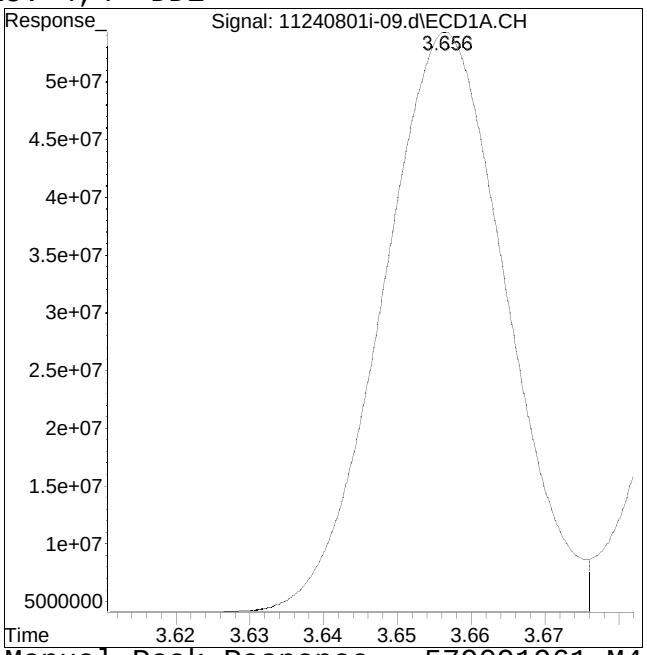
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #15: 4,4'-DDE





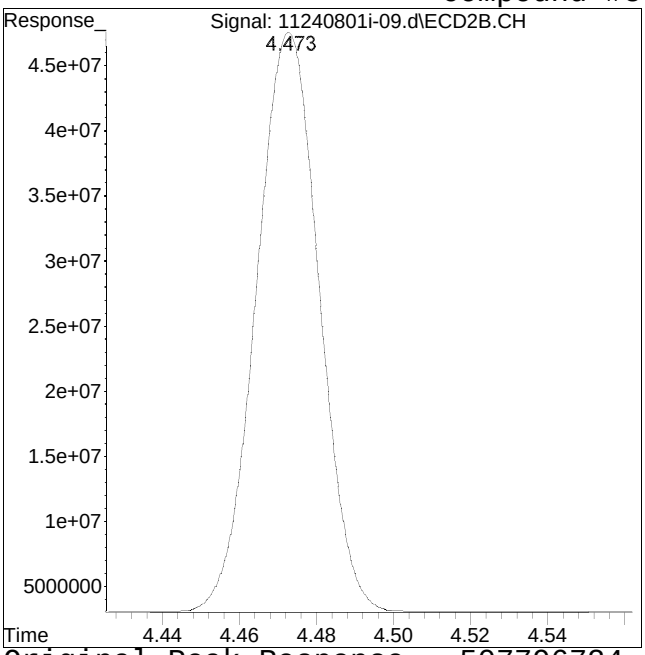
Original Peak Response = 580857613 Manual Peak Response = 579091961 M4
M4 = Poor automated baseline construction.

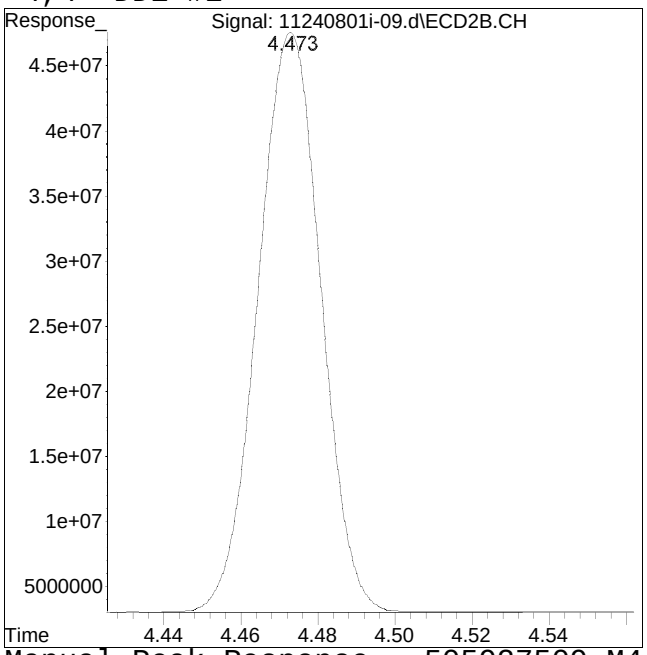
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #53: 4,4'-DDE #2



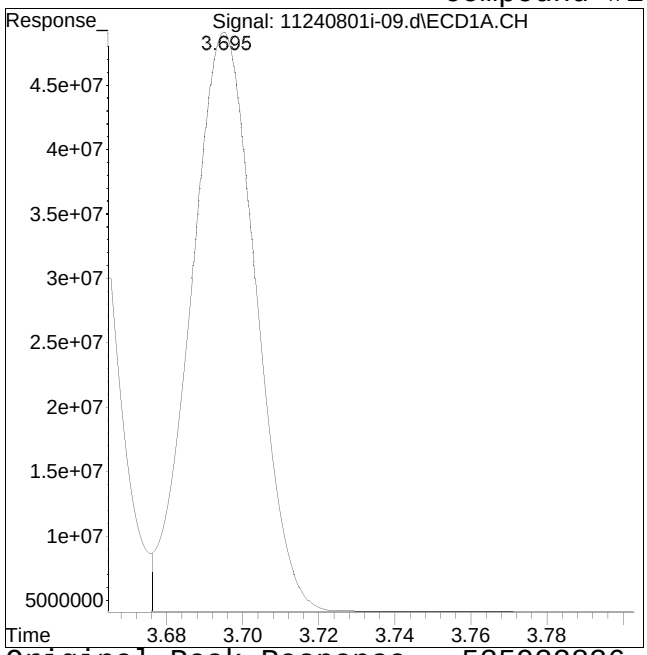


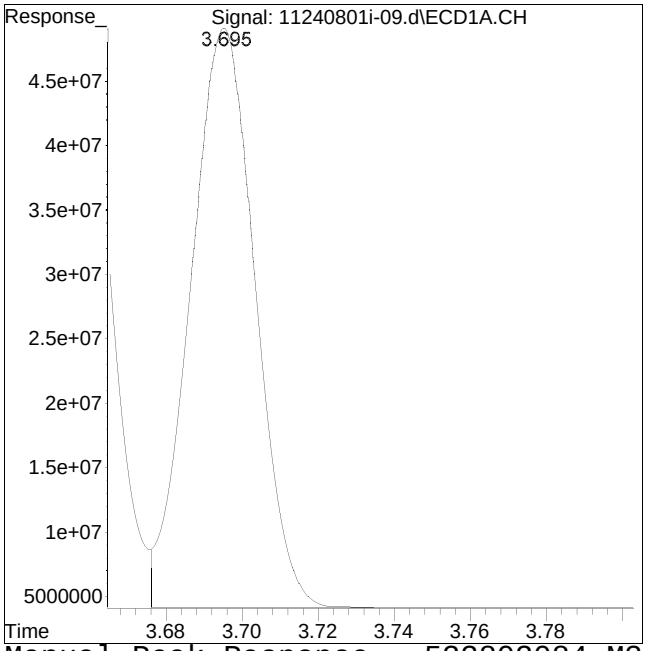
Original Peak Response = 507796724 Manual Peak Response = 505927509 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #16: Endosulfan I





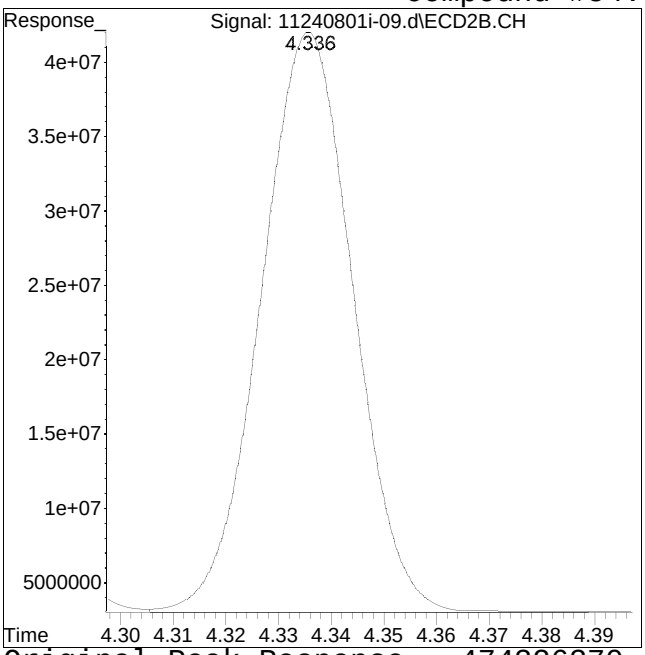
Original Peak Response = 535932836 Manual Peak Response = 533803084 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

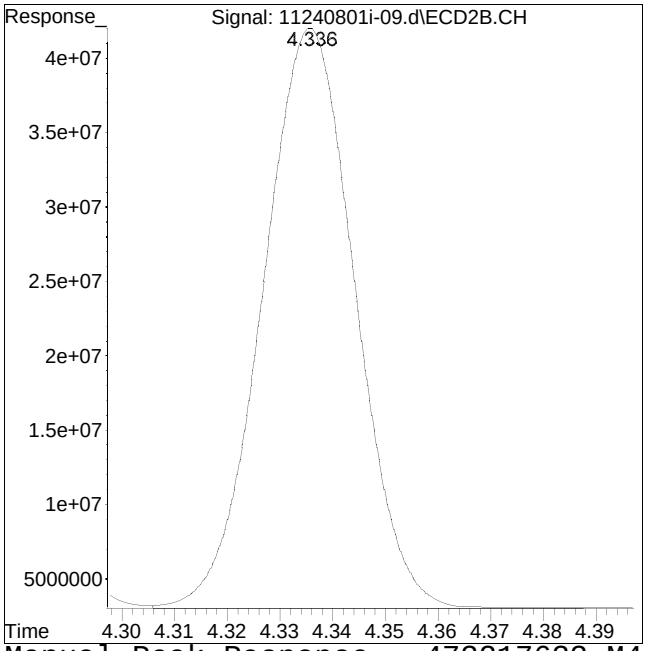
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #54: Endosulfan I #2



Original Peak Response = 474326370



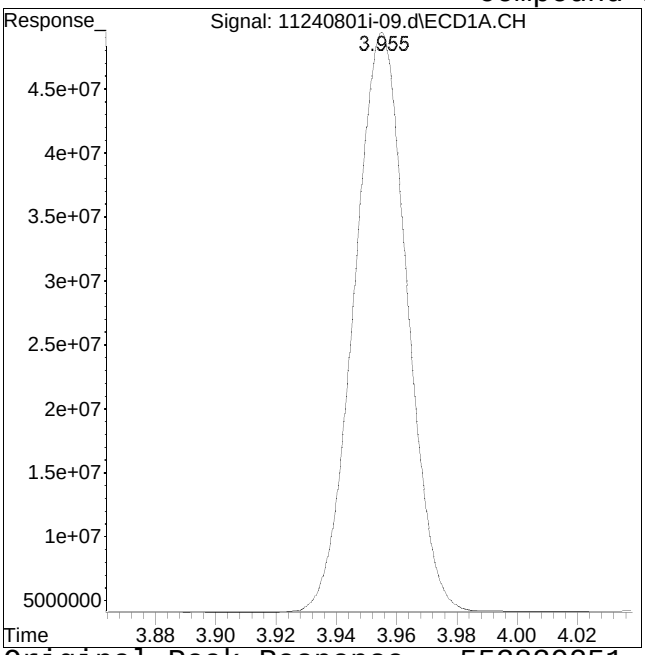
Manual Peak Response = 473217633 M4

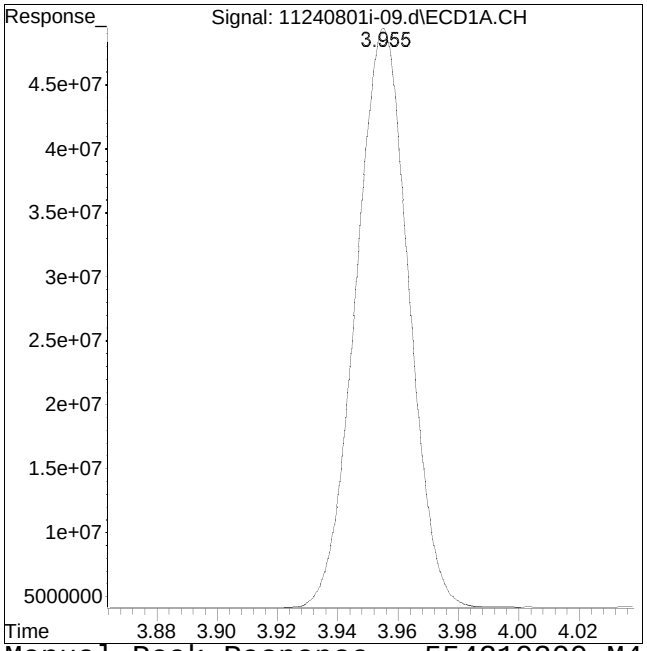
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #17: Dieldrin



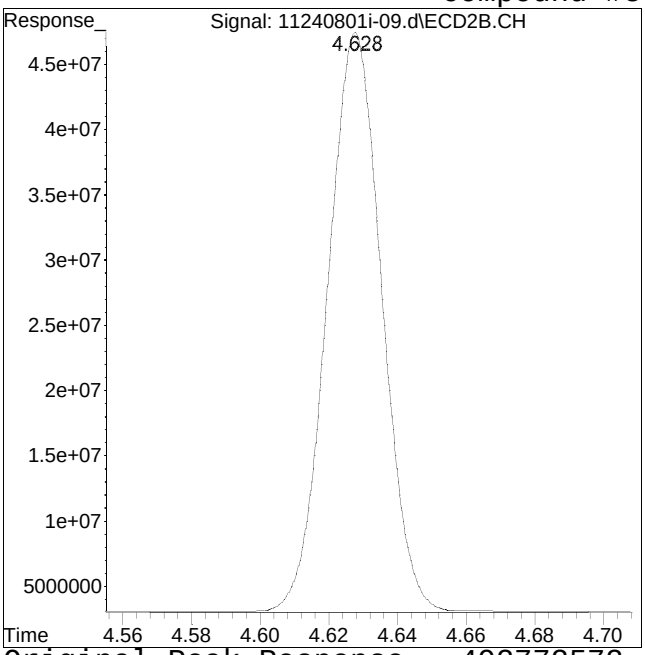


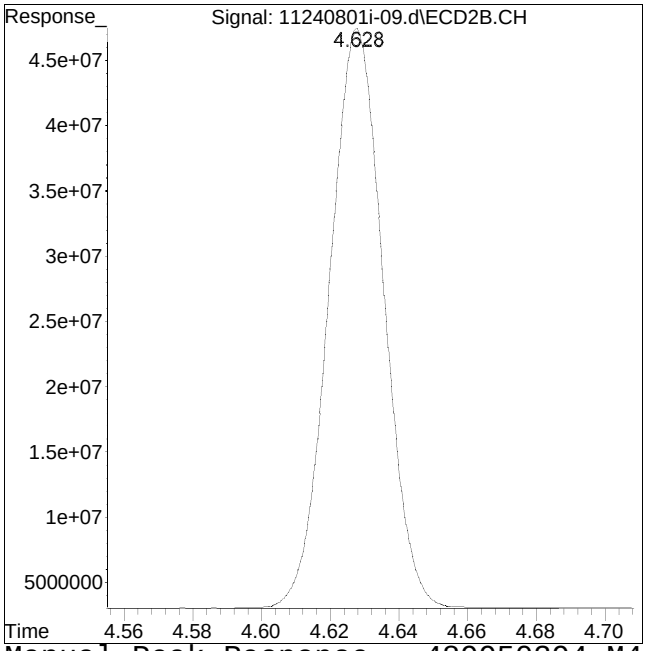
Original Peak Response = 553839251 Manual Peak Response = 554210200 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #55: Dieldrin #2



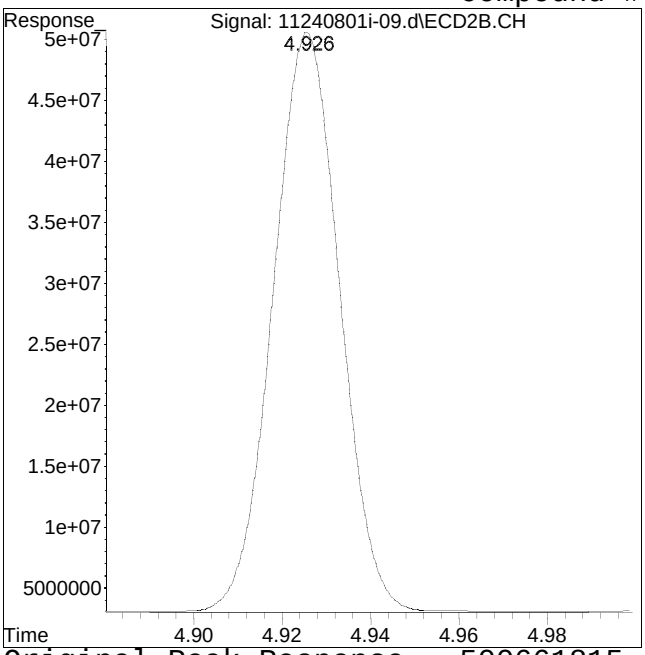


Original Peak Response = 492772572 Manual Peak Response = 489950394 M4
M4 = Poor automated baseline construction.

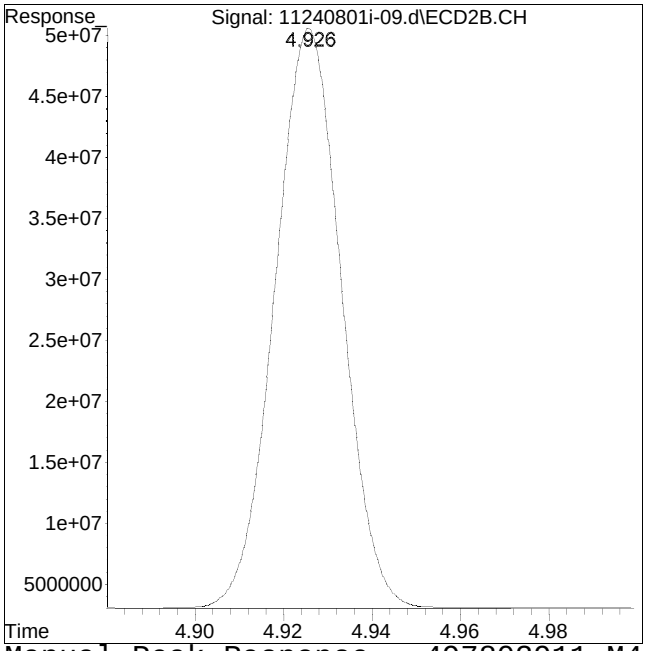
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #56: Endrin #2



Original Peak Response = 500661815



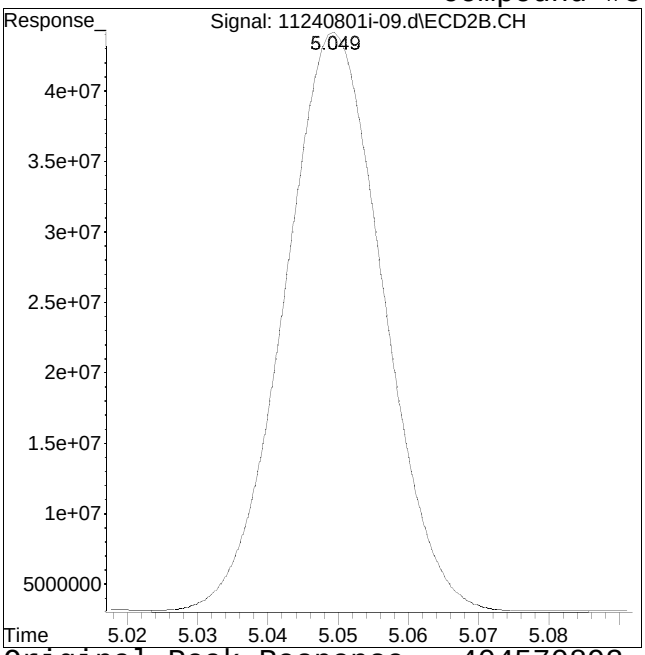
Manual Peak Response = 497803911 M4

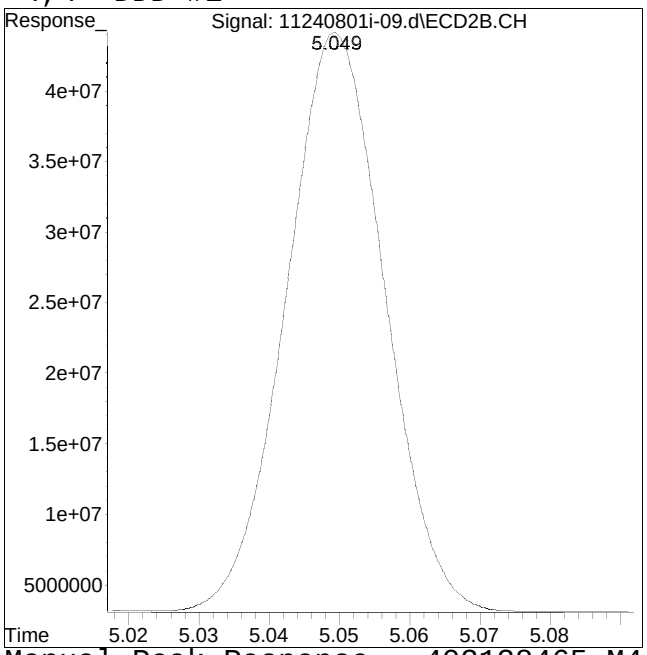
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #57: 4,4'-DDD #2



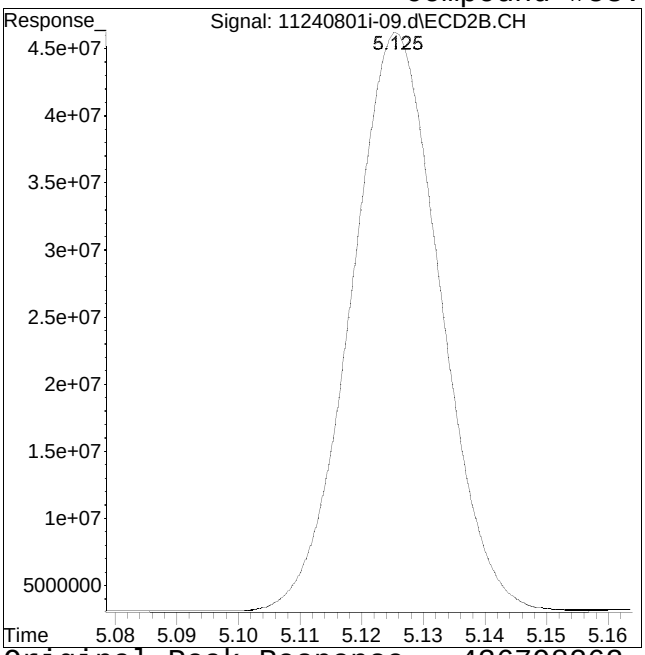


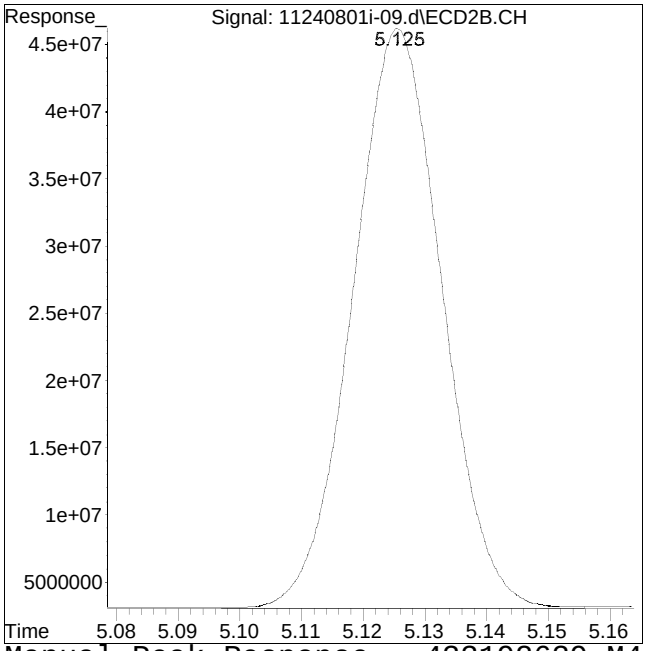
Original Peak Response = 404570893 Manual Peak Response = 402138465 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #58: Endosulfan II #2





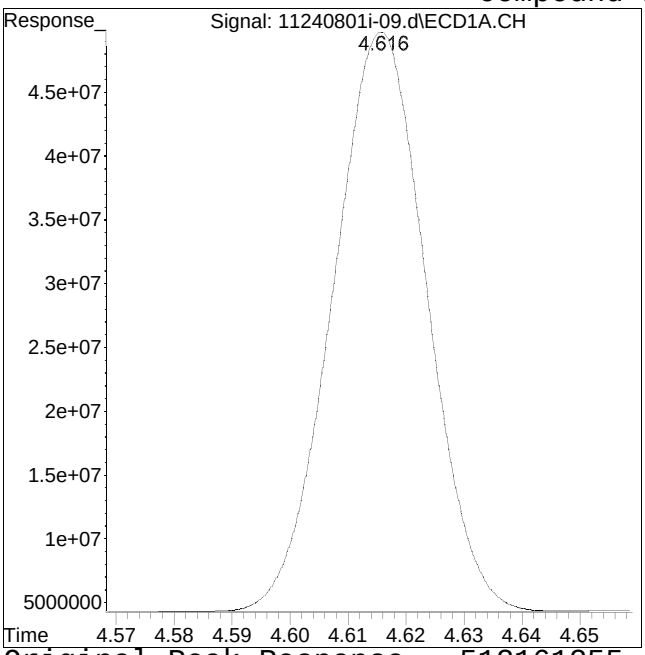
Original Peak Response = 436798262 Manual Peak Response = 433192639 M4
M4 = Poor automated baseline construction.

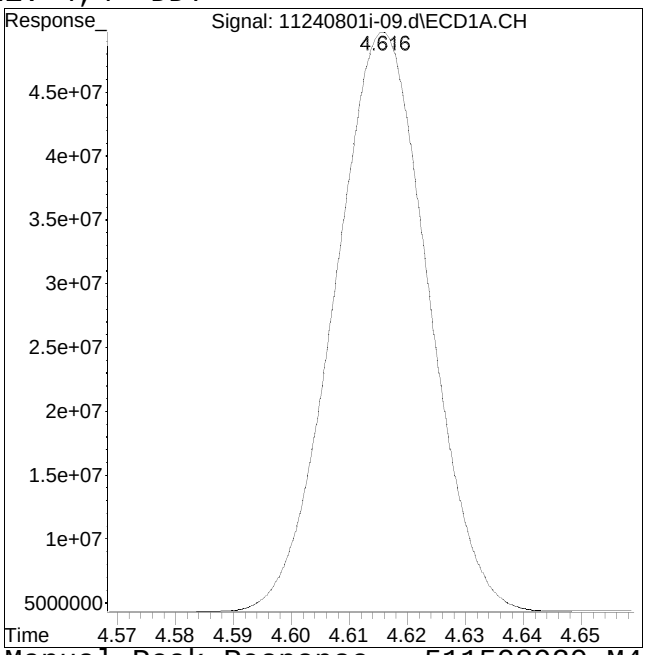
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #21: 4,4'-DDT



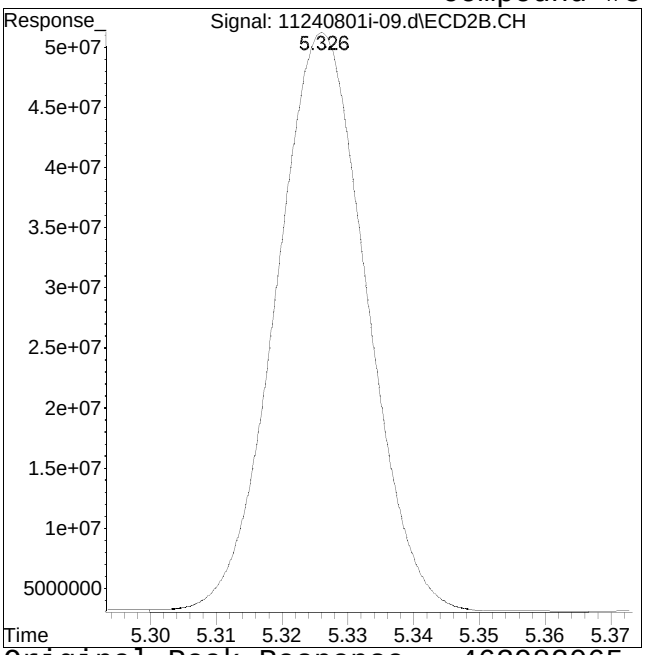


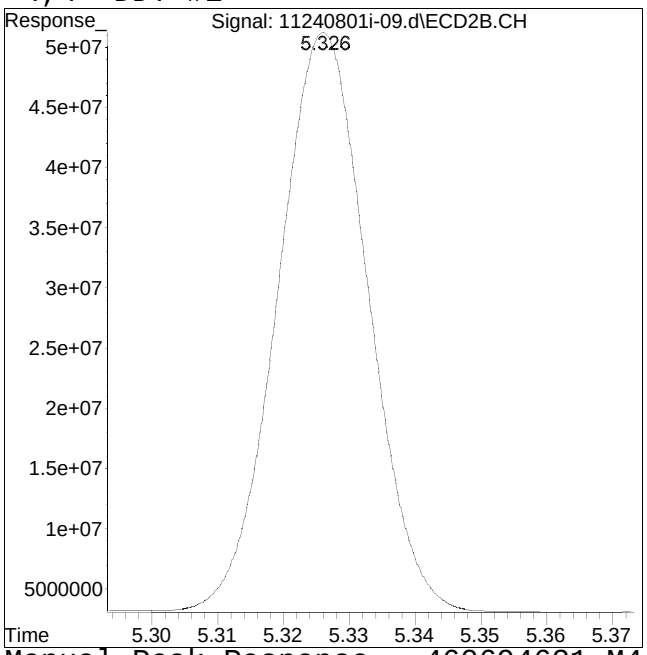
Original Peak Response = 512161255 Manual Peak Response = 511508920 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #59: 4,4'-DDT #2





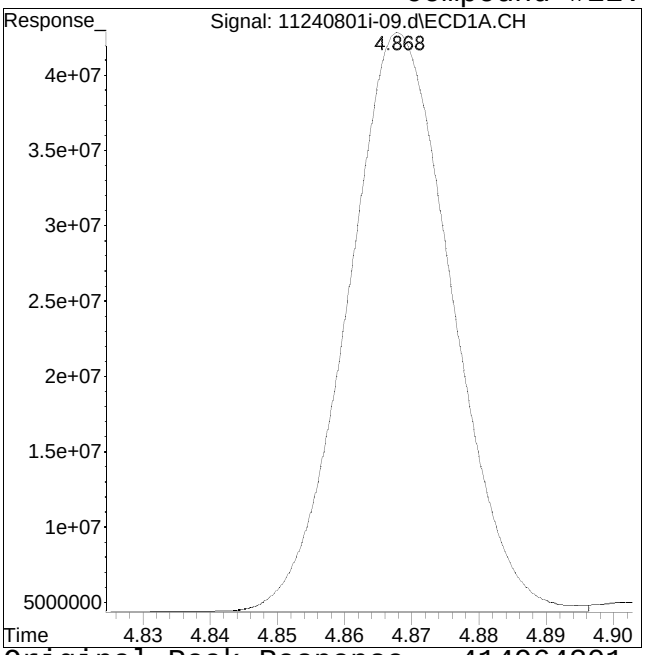
Original Peak Response = 463982065 Manual Peak Response = 460694621 M4
M4 = Poor automated baseline construction.

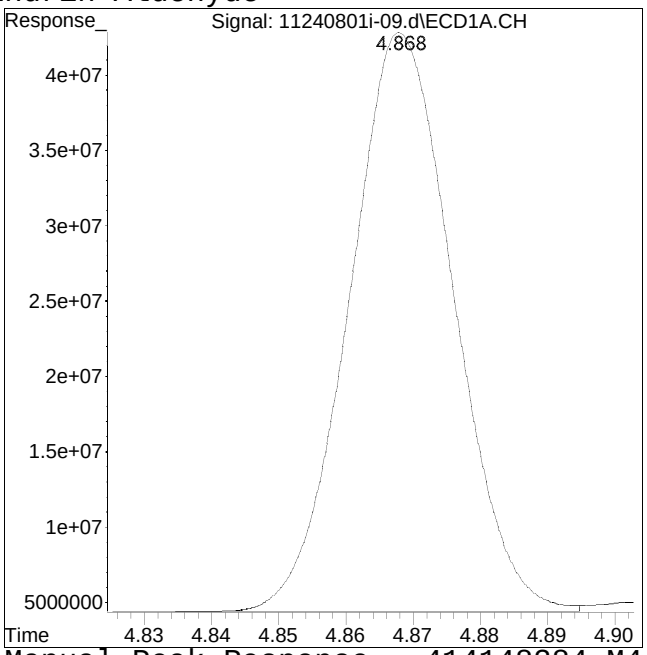
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #22: Endrin Aldehyde



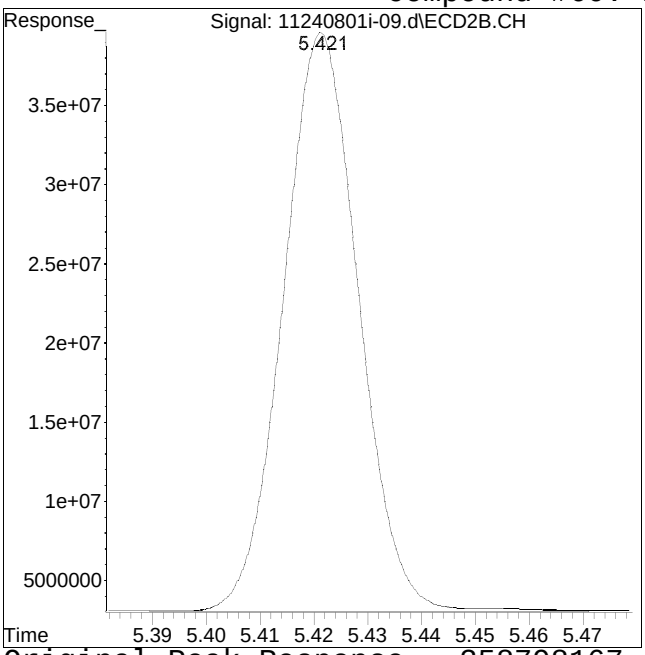


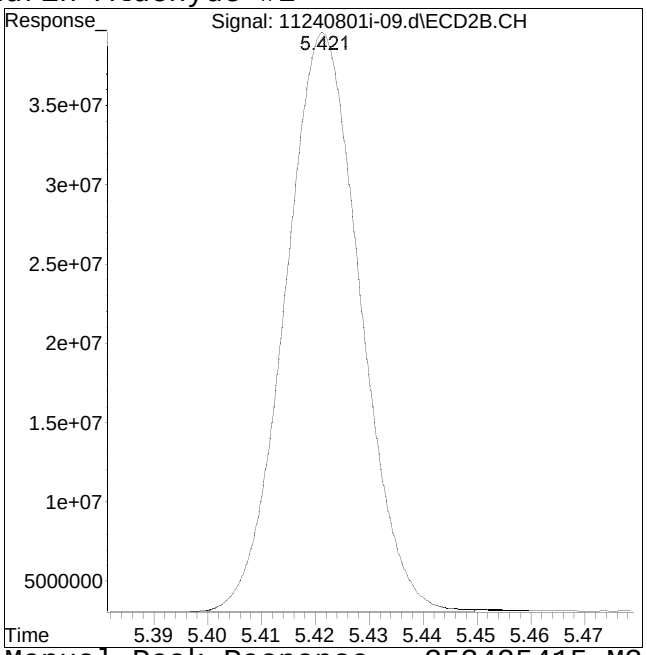
Original Peak Response = 414964301 Manual Peak Response = 414148384 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #60: Endrin Aldehyde #2





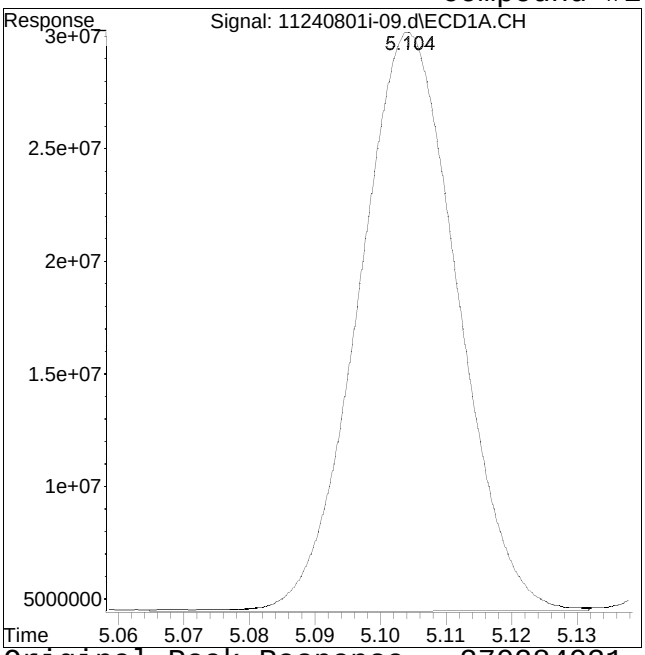
Original Peak Response = 358798167 Manual Peak Response = 353425415 M3

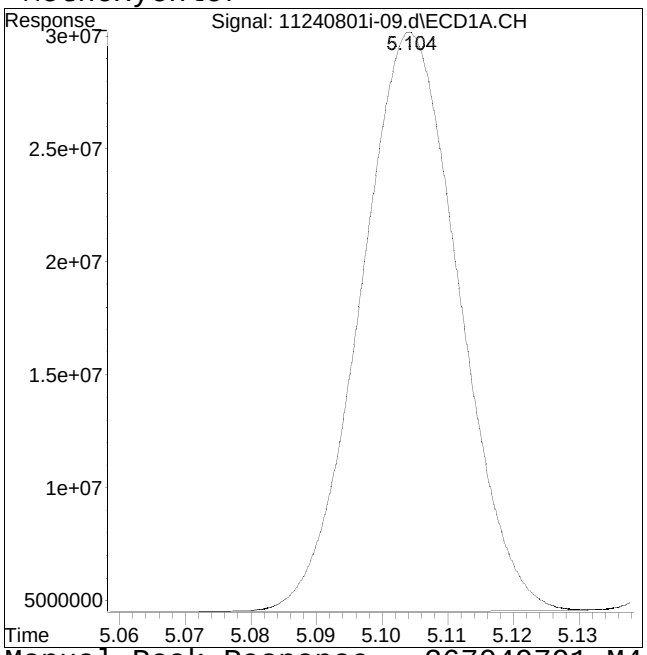
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #23: Methoxychlor



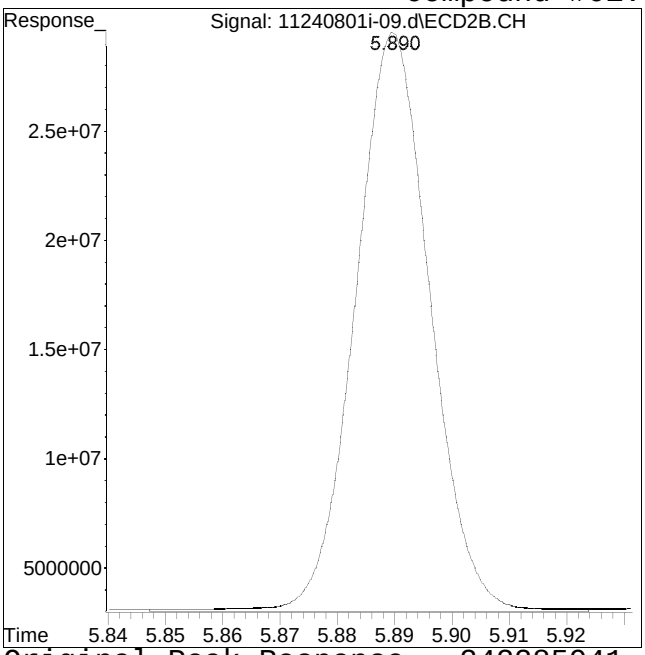


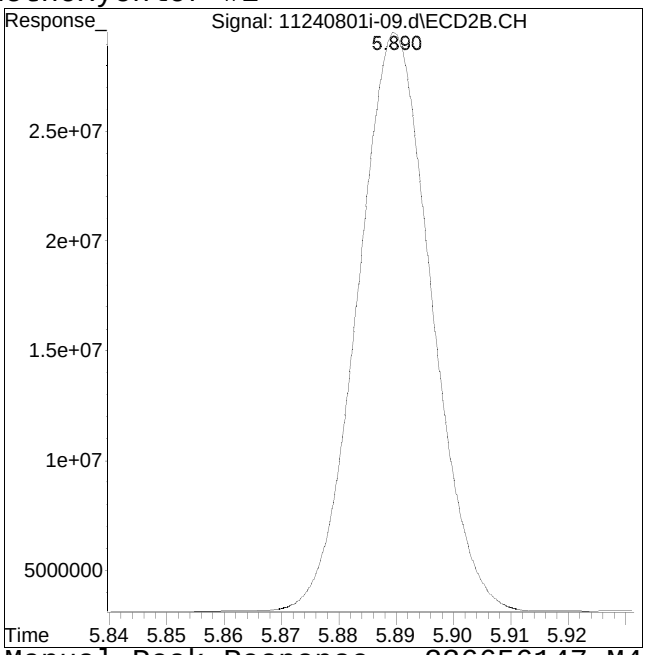
Original Peak Response = 270284931 Manual Peak Response = 267049791 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #61: Methoxychlor #2



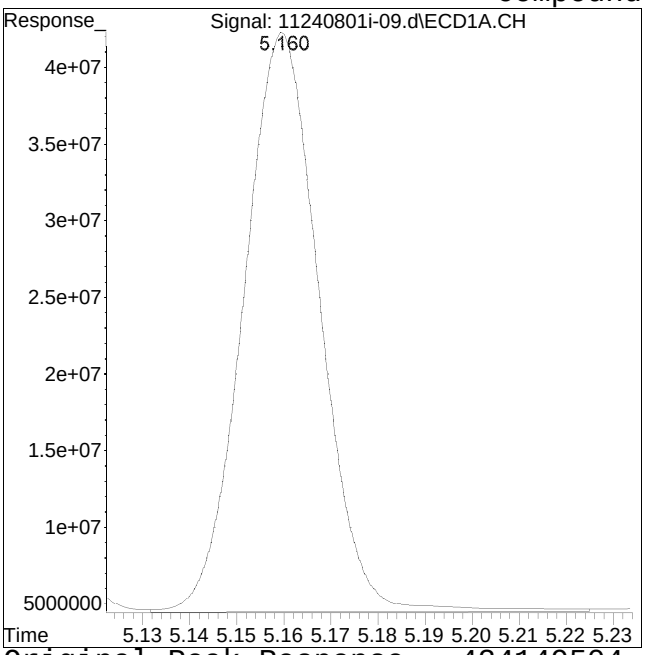


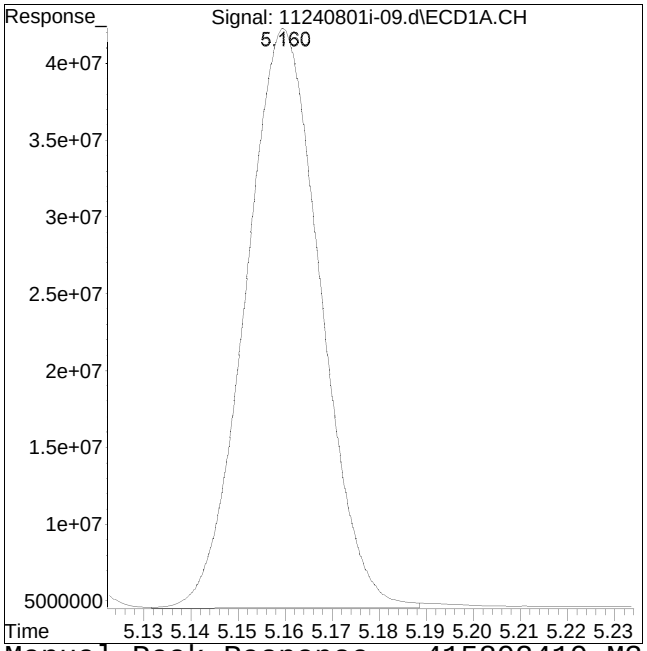
Original Peak Response = 242285941 Manual Peak Response = 236656147 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #24: Mirex





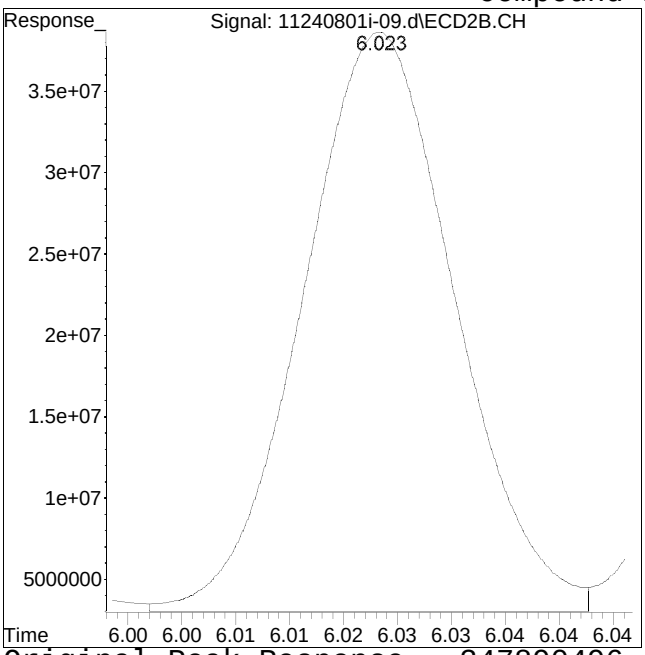
Original Peak Response = 424149504 Manual Peak Response = 415802410 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

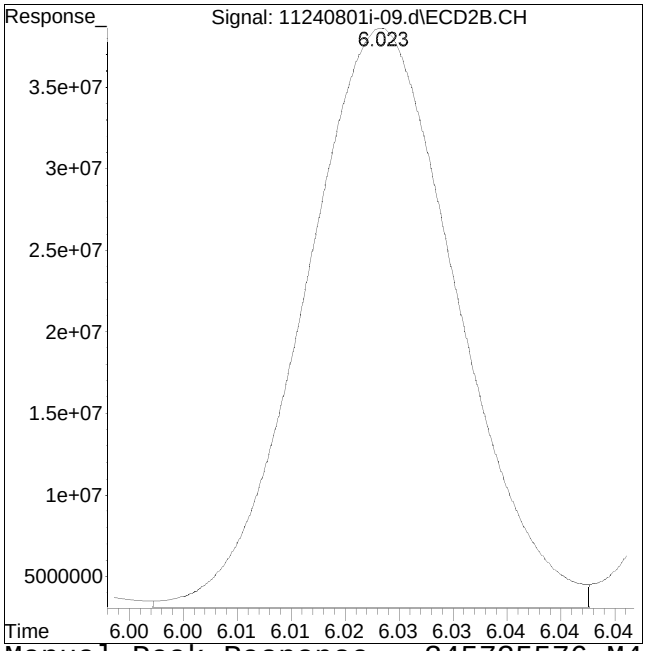
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #62: Mirex #2



Original Peak Response = 347890496



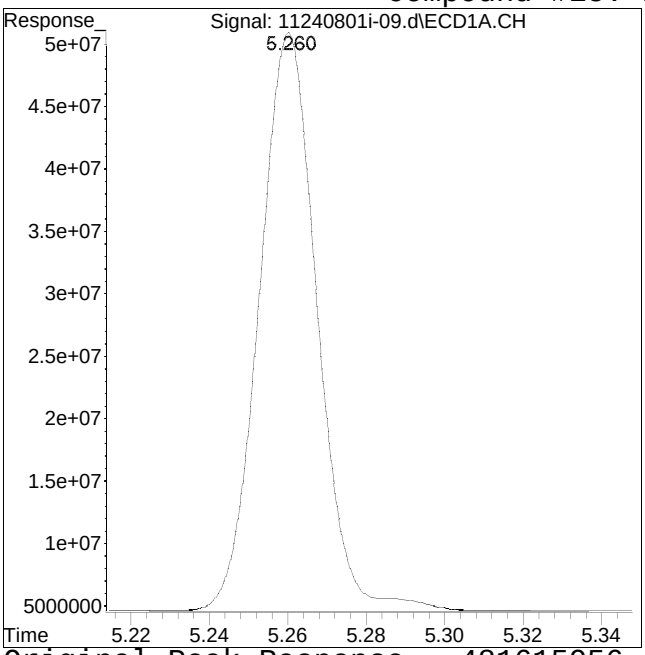
Manual Peak Response = 345735576 M4

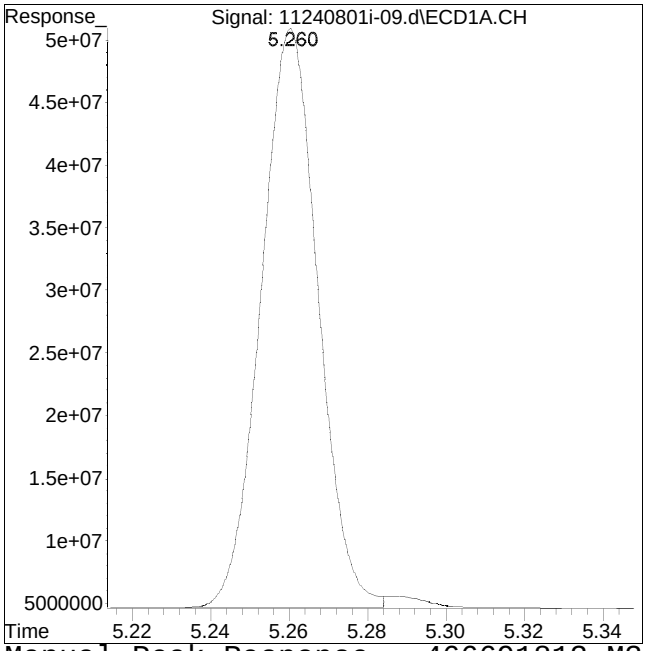
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #25: Endosulfan Sulfate



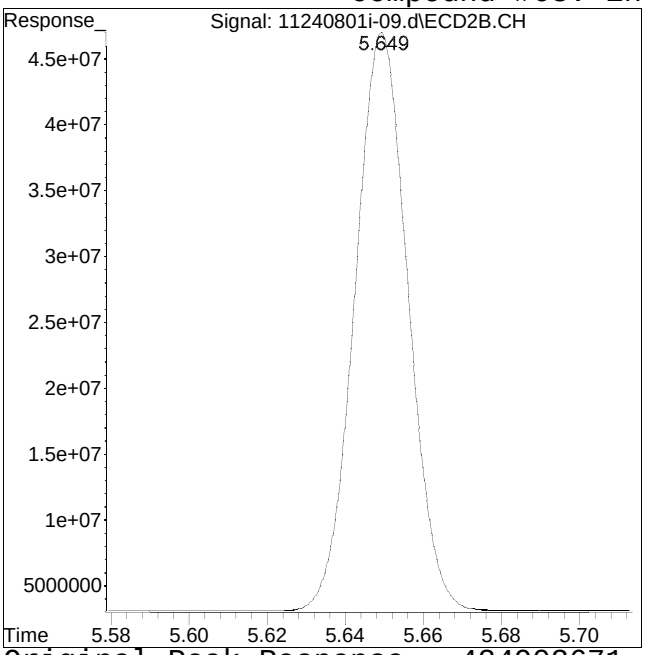


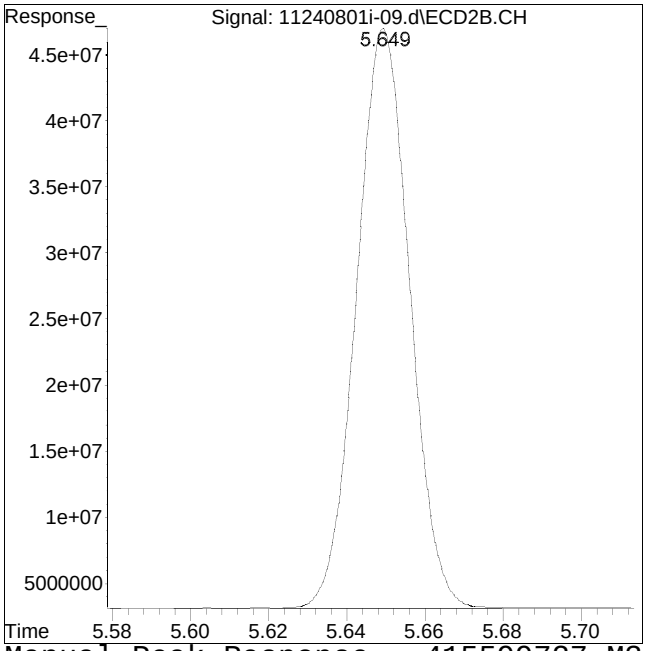
Original Peak Response = 481615956 Manual Peak Response = 466691813 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #63: Endosulfan Sulfate #2





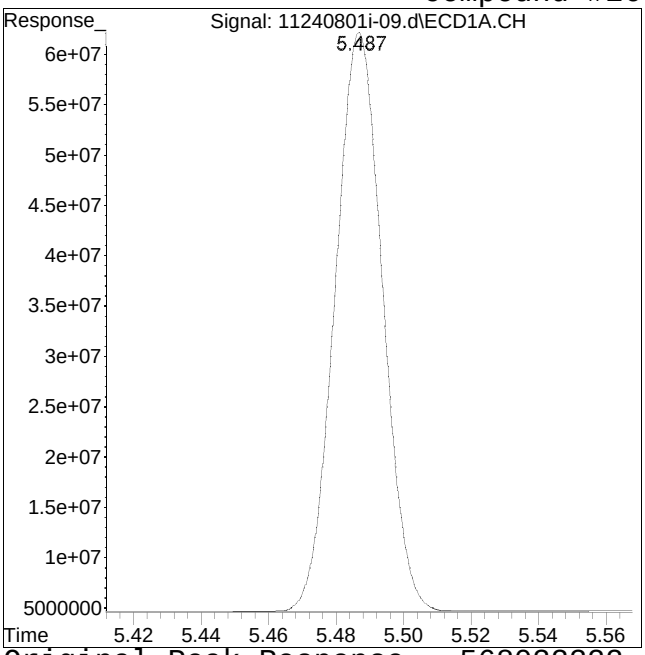
Original Peak Response = 424902671 Manual Peak Response = 415599727 M3

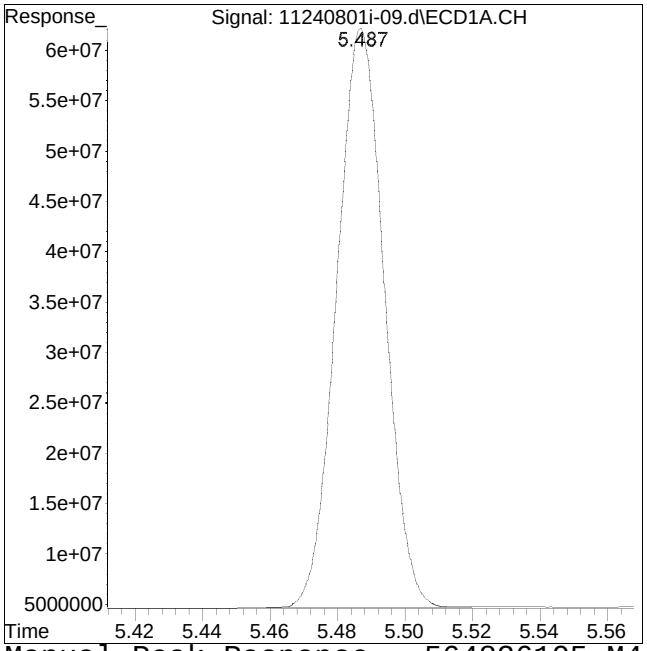
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #26: Endrin Ketone





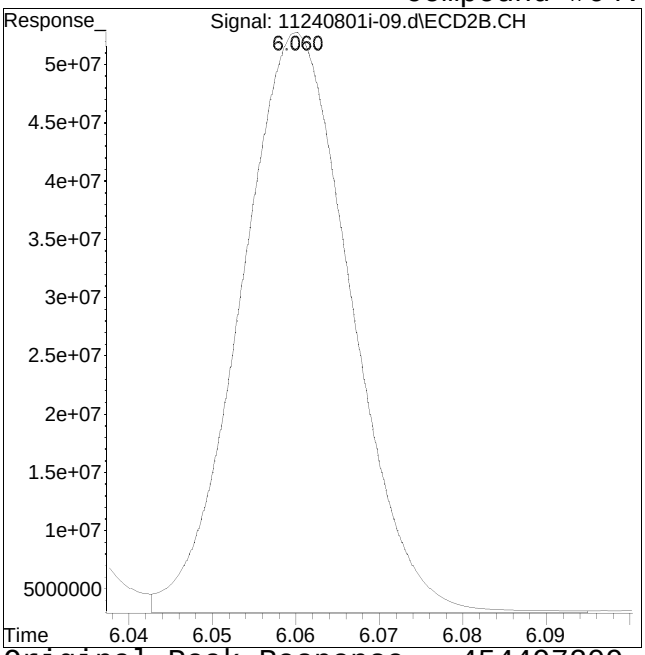
Original Peak Response = 568032322 Manual Peak Response = 564826105 M4
M4 = Poor automated baseline construction.

Manual Integration Report

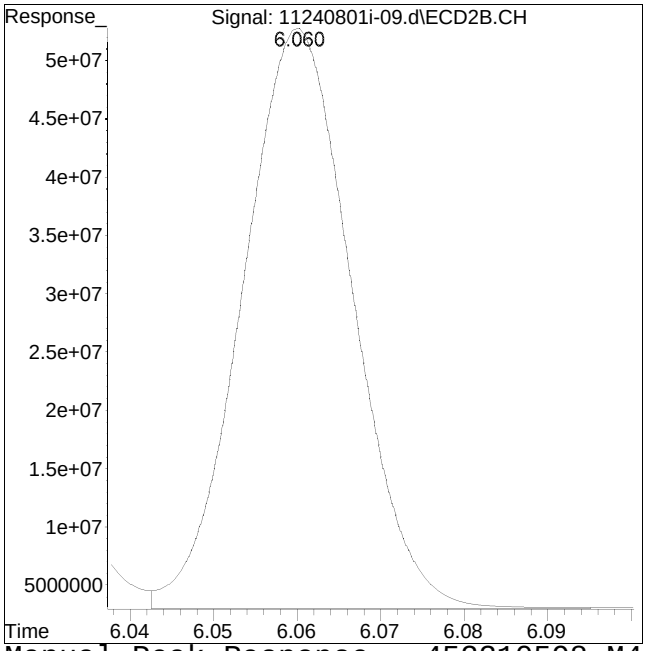
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #64: Endrin Ketone #2



Original Peak Response = 454497209



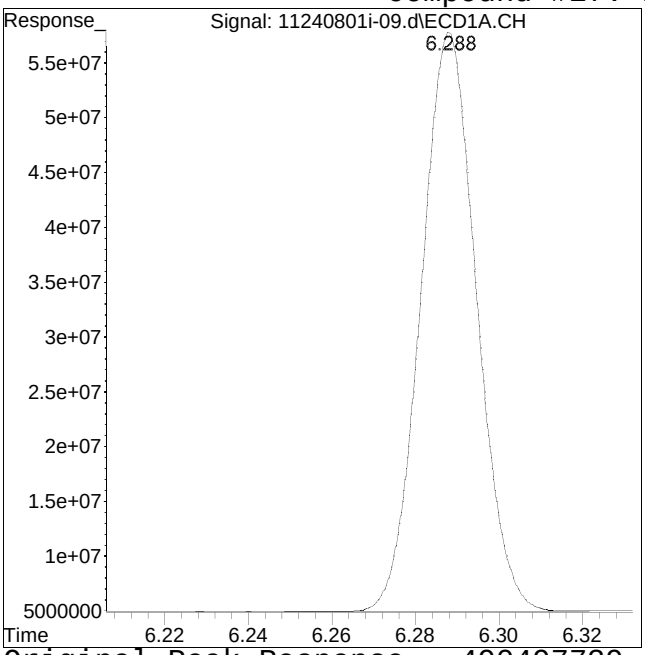
Manual Peak Response = 452310598 M4

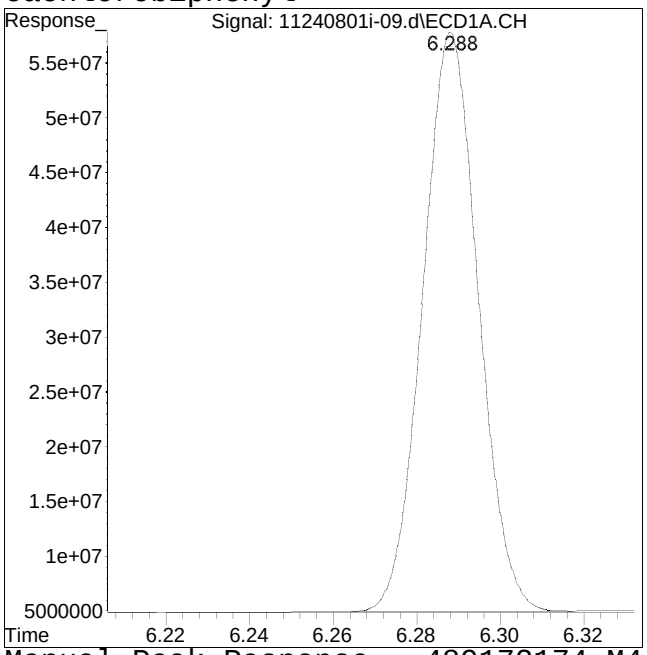
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #27: Decachlorobiphenyl





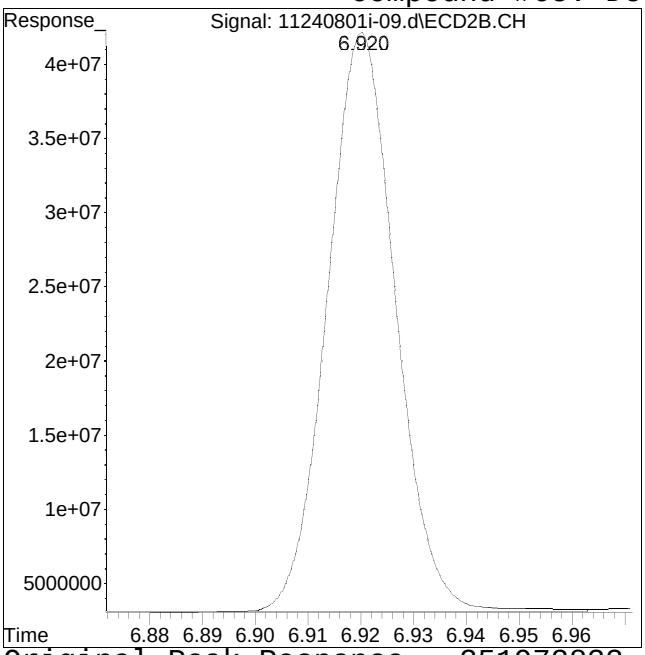
Original Peak Response = 490497739 Manual Peak Response = 489172174 M4
M4 = Poor automated baseline construction.

Manual Integration Report

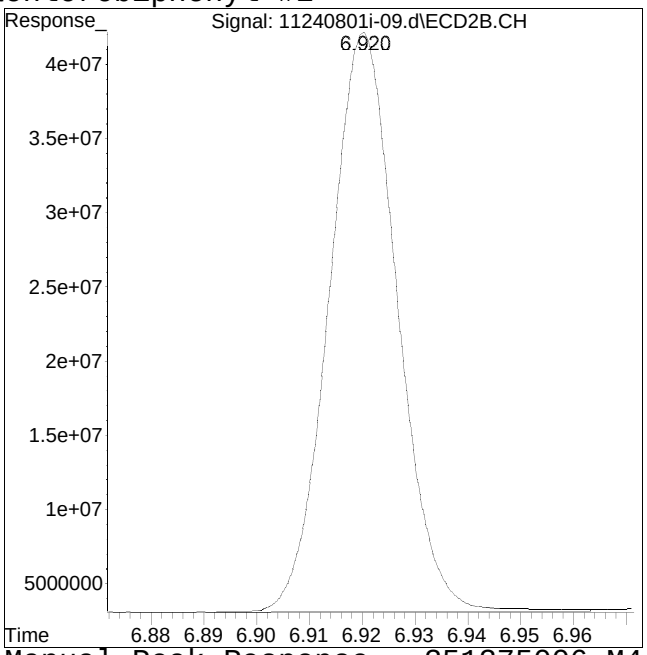
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 351972833



Manual Peak Response = 351375006 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:01
Operator : PEST11:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:10:53 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:10:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.385	228.9E6	186.0E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	978.0E6	793.9E6	102.526M3	98.316M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		205.05%#	196.63%#
27) s	Decachlorobi	6.287	6.920	966.4E6	693.4E6	101.892M4	99.592M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		203.78%#	199.18%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.178	1254.4E6	852.0E6	101.913M3	99.956M4
4) t	alpha-BHC	1.963	2.271	1517.1E6	1291.2E6	104.962M3	102.929M3
5) t	gamma-BHC (l	2.165	2.556	1395.5E6	1162.9E6	104.626M4	102.486M4
6) t	beta-BHC	2.221	2.622	569.7E6	475.2E6	102.483M3	99.416M4
7) t	delta-BHC	2.349	2.889	1415.2E6	1188.9E6	105.152M4	103.238M4
8) t	Heptachlor	2.513	2.952	1281.7E6	1164.2E6	103.113M4	100.742
9) t	Aldrin	2.756	3.271	1234.2E6	1093.2E6	104.739M4	102.495
10) t	Alachlor	2.876	3.153	202.3E6	136.5E6	97.935M4	93.096M4
11) t	Chlorpyrifos	2.968	3.506	476.2E6	520.8E6	96.581M4	95.072

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:01
Operator : PEST11:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:10:53 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:10:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.301	3.884	1132.0E6	1013.1E6	102.826M4	100.688M4
13)	t	gamma-Chlord	3.425	4.104	1037.3E6	931.1E6	105.142M4	102.239M4
14)	t	alpha-Chlord	3.559	4.274	1167.6E6	1027.5E6	104.255M3	101.638
15)	t	4,4'-DDE	3.657	4.473	1188.4E6	1034.3E6	105.852	103.171M4
16)	t	Endosulfan I	3.695	4.336	1073.0E6	944.4E6	103.673M3	100.715
17)	t	Dieldrin	3.955	4.627	1129.5E6	992.5E6	105.119M3	102.230M3
18)	t	Endrin	4.210	4.925	1134.9E6	1004.3E6	103.955M4	101.809M4
19)	t	4,4'-DDD	4.321	5.049	929.4E6	823.1E6	106.236M4	103.291M4
20)	t	Endosulfan I	4.451	5.125	1017.3E6	866.0E6	103.751	100.883M4
21)	t	4,4'-DDT	4.616	5.326	1043.2E6	939.1E6	105.189M4	102.870M4
22)	t	Endrin Aldeh	4.868	5.421	836.3E6	707.4E6	104.157M3	101.016M3
23)	t	Methoxychlor	5.104	5.890	519.3E6	461.0E6	100.292M4	98.297M4
24)	t	Mirex	5.160	6.023	822.7E6	677.1E6	102.053M4	98.827M4
25)	t	Endosulfan S	5.260	5.649	939.0E6	830.0E6	103.773M3	100.783M3
26)	t	Endrin Keton	5.487	6.060	1123.4E6	898.2E6	102.585M4	100.220M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:01
Operator : PEST11:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:10:53 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:10:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

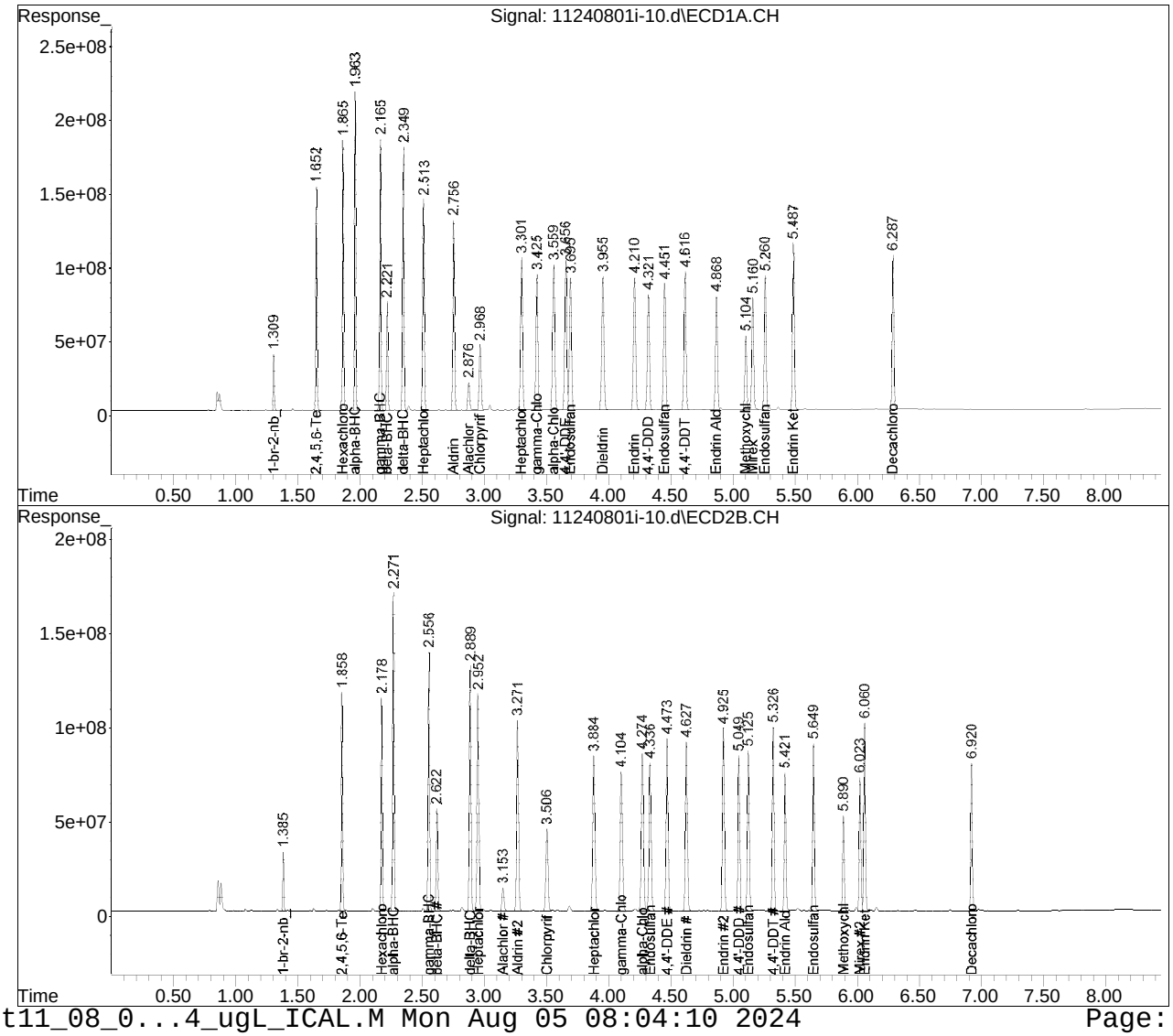
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:01
Operator : PEST11:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:10:53 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:10:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

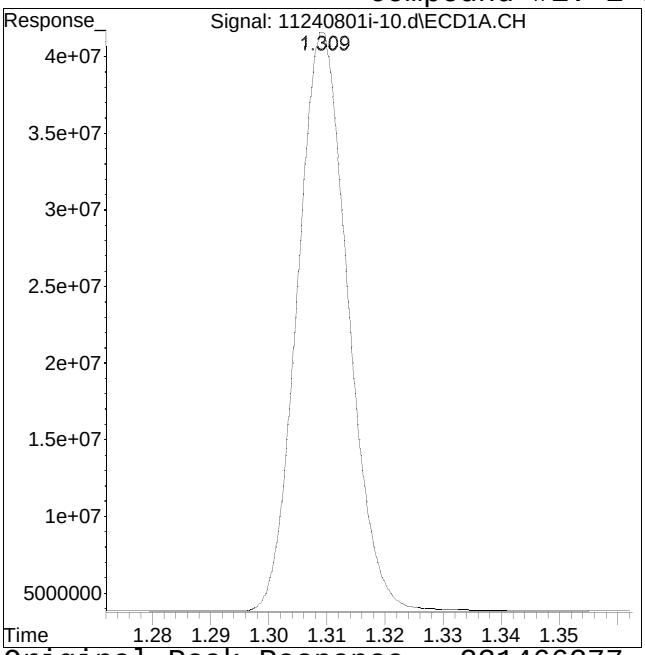


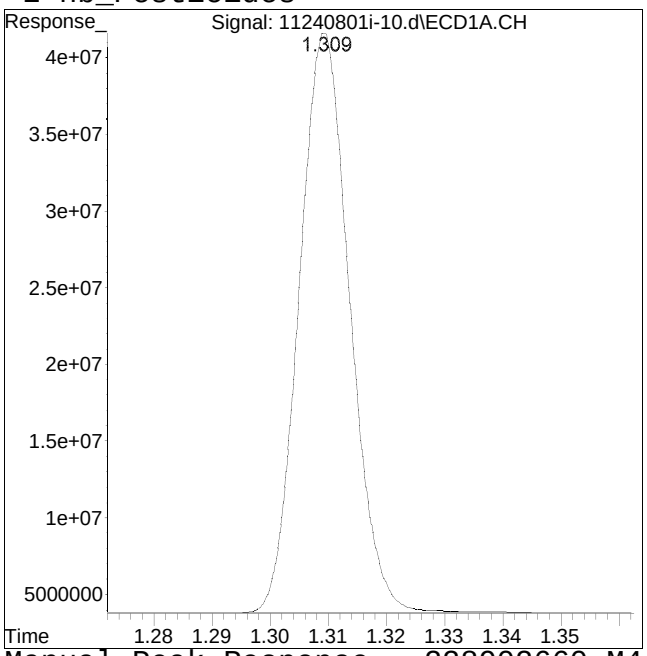
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #1: 1-br-2-nb_Pesticides





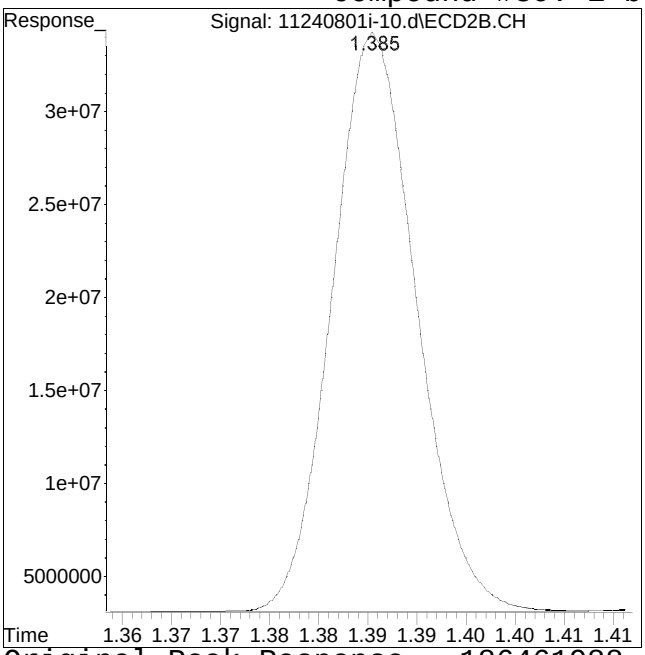
Original Peak Response = 231466277 Manual Peak Response = 228902660 M4
M4 = Poor automated baseline construction.

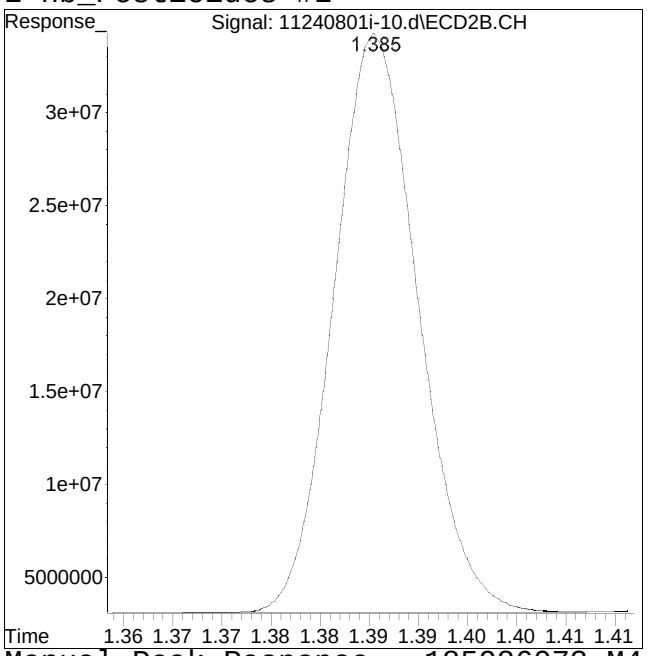
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #39: 1-br-2-nb_Pesticides #2



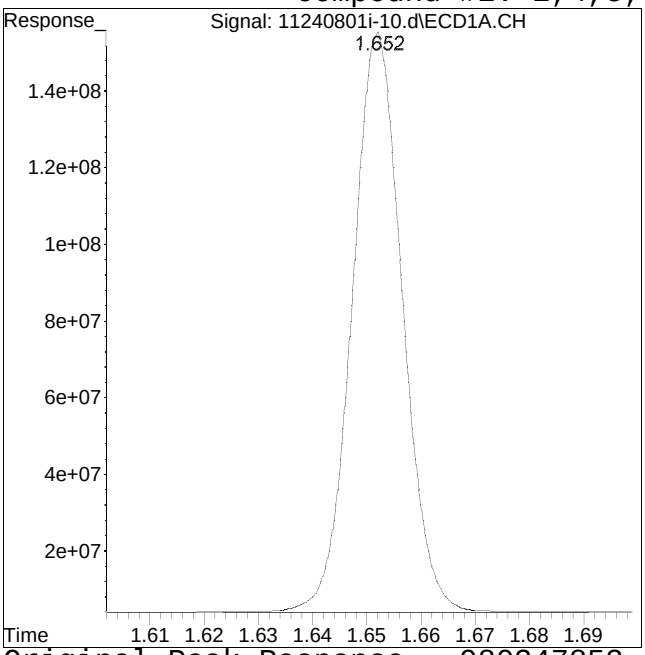


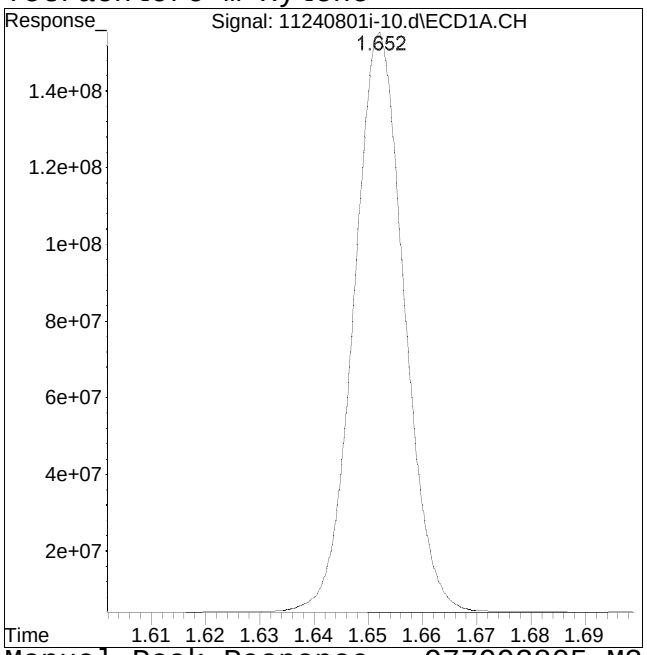
Original Peak Response = 186461988 Manual Peak Response = 185986073 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



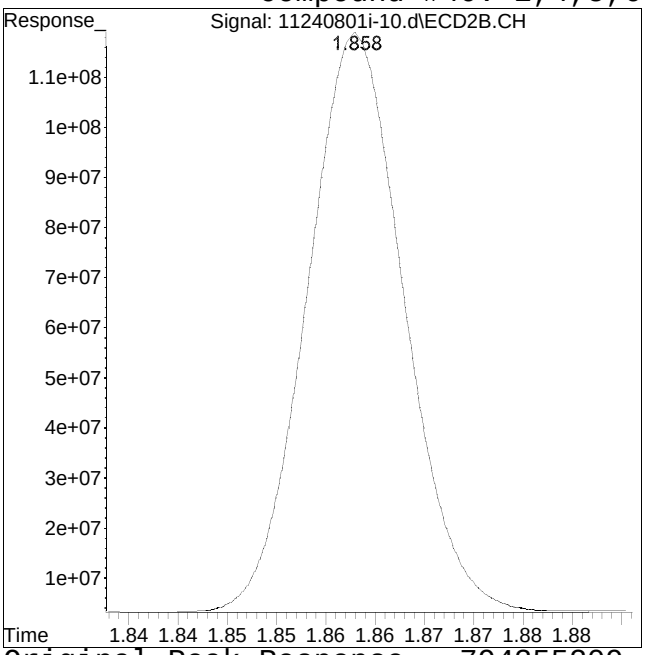


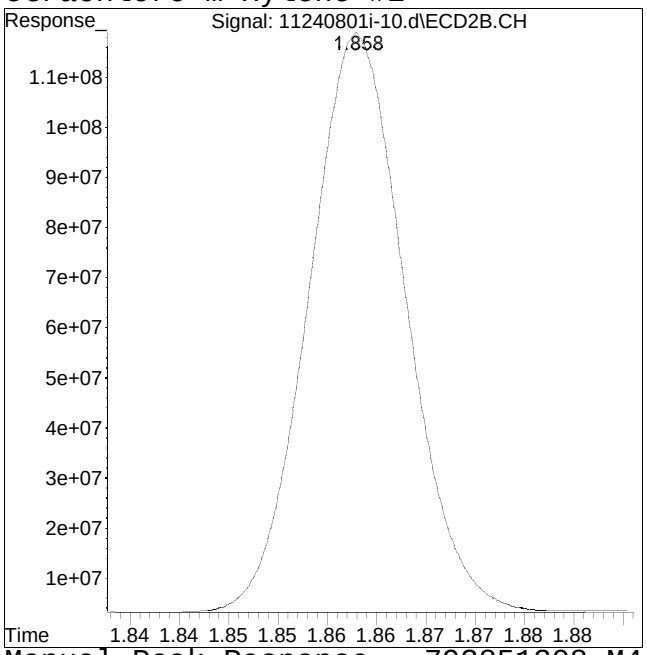
Original Peak Response = 980347853 Manual Peak Response = 977993805 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



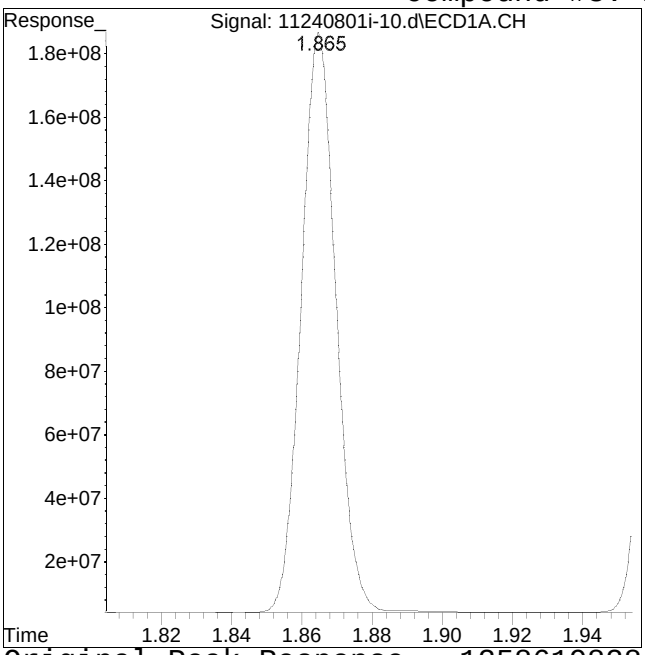


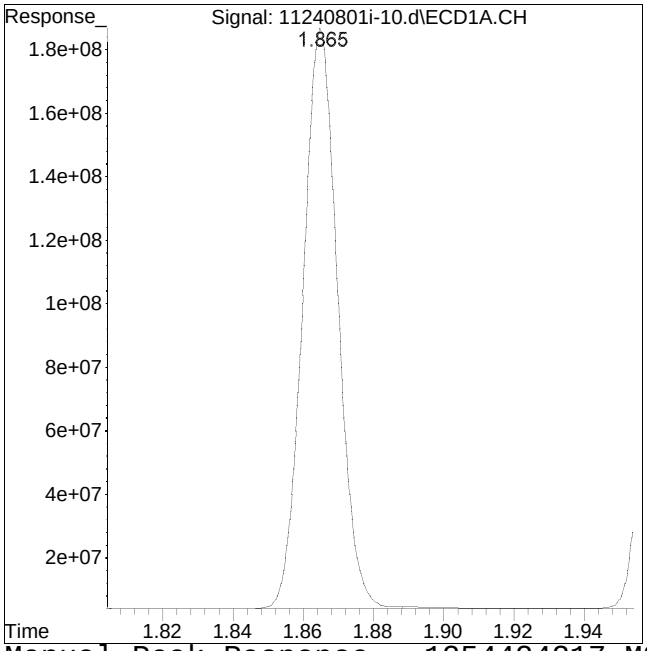
Original Peak Response = 794355209 Manual Peak Response = 793851308 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #3: Hexachlorobenzene





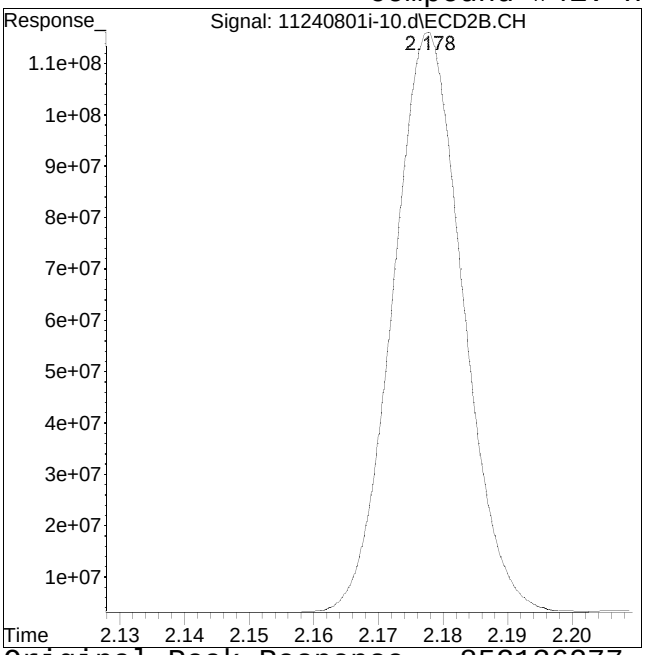
Original Peak Response = 1258619828 Manual Peak Response = 1254424217 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

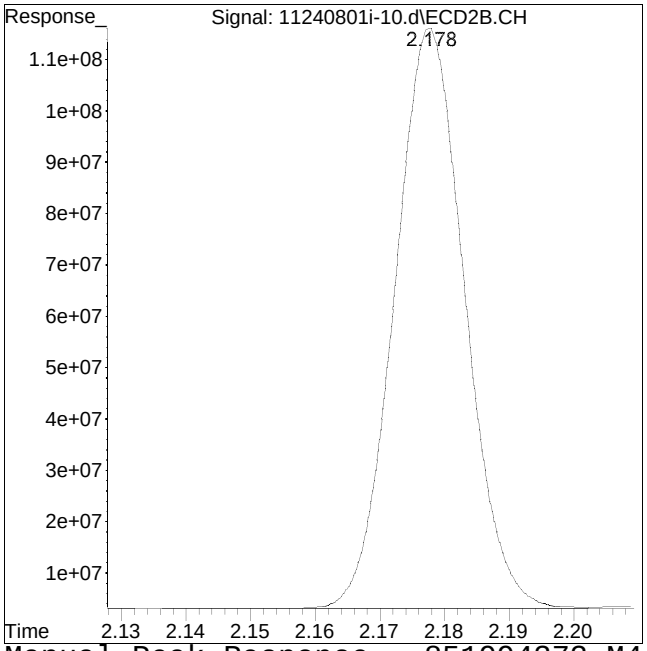
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #41: Hexachlorobenzene #2





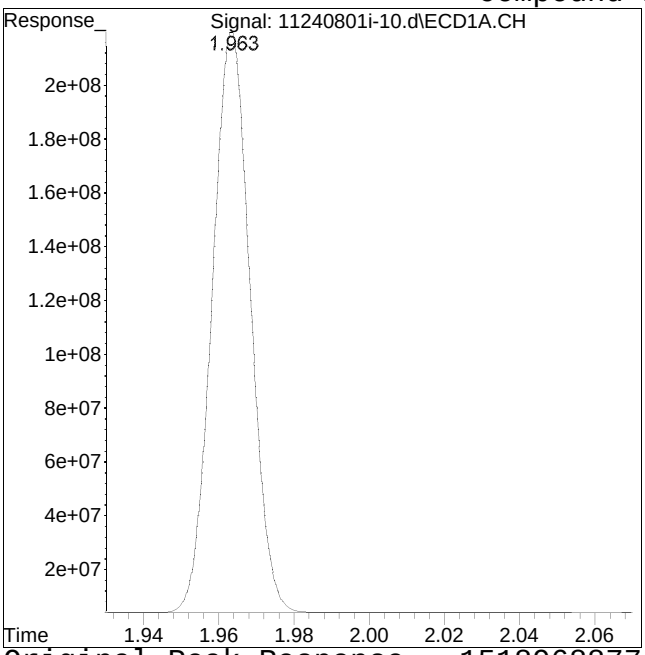
Original Peak Response = 852136277 Manual Peak Response = 851994373 M4
M4 = Poor automated baseline construction.

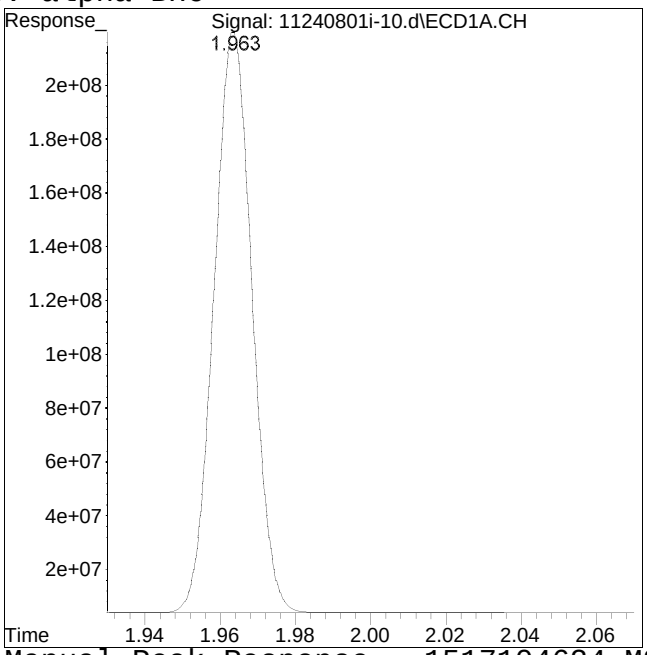
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #4: alpha-BHC



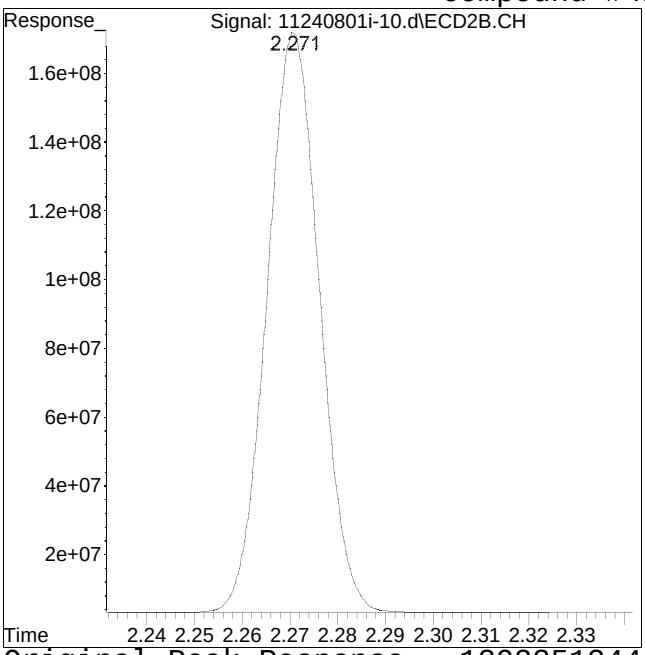


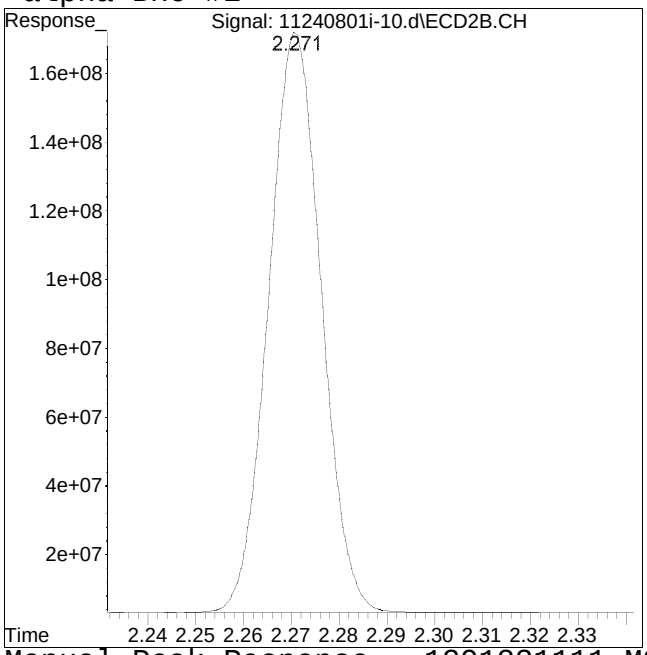
Original Peak Response = 1518968877 Manual Peak Response = 1517104624 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1 Quant Date : 8/2/2024 9:10 am

Compound #42: alpha-BHC #2





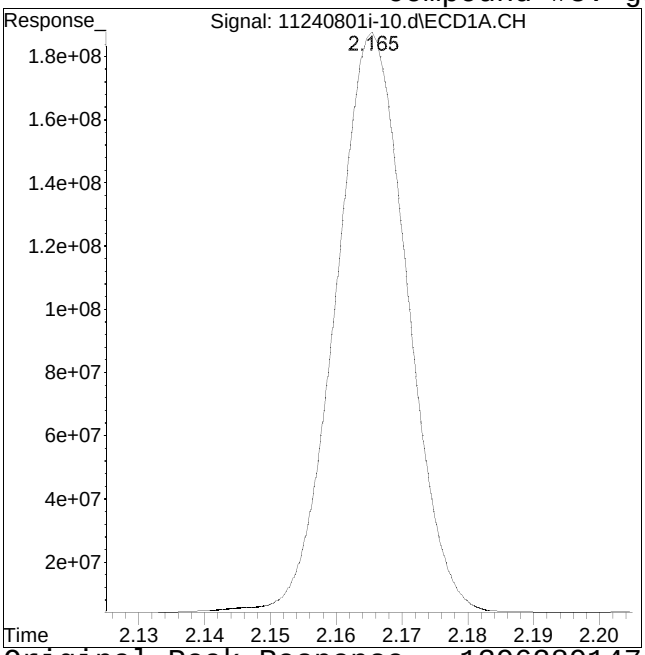
Original Peak Response = 1292351244 Manual Peak Response = 1291231111 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

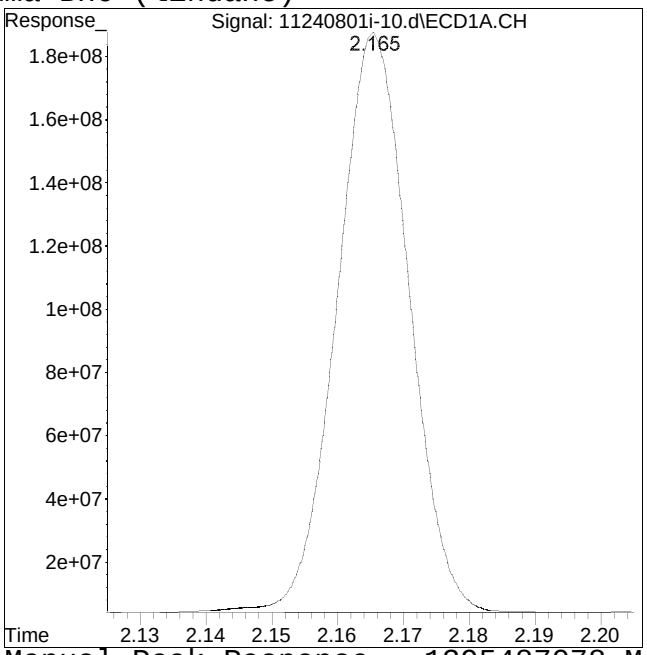
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #5: gamma-BHC (lindane)



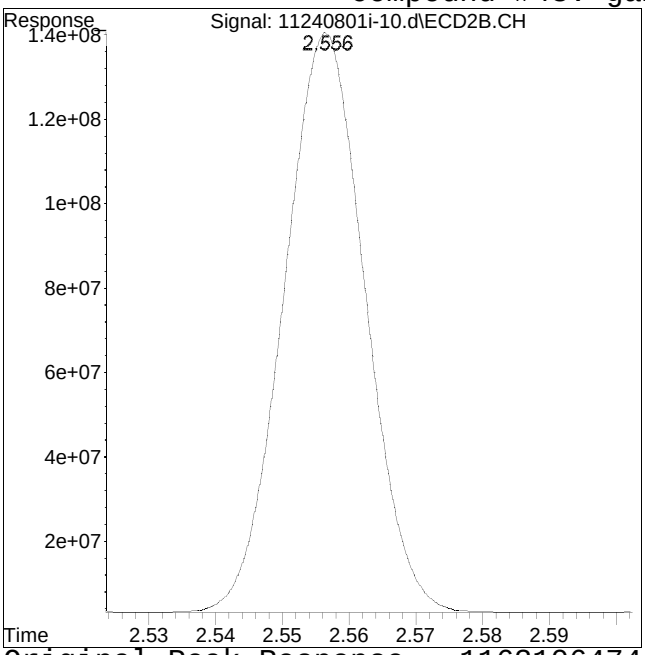


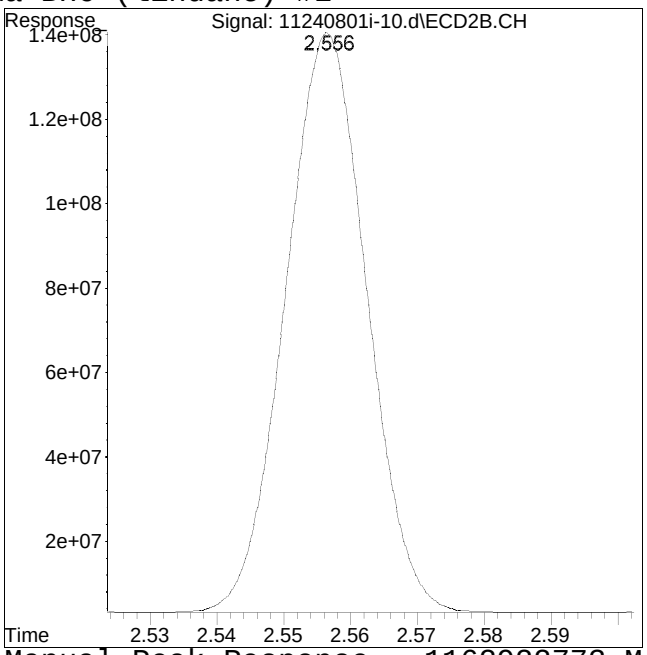
Original Peak Response = 1396289147 Manual Peak Response = 1395487078 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #43: gamma-BHC (lindane) #2



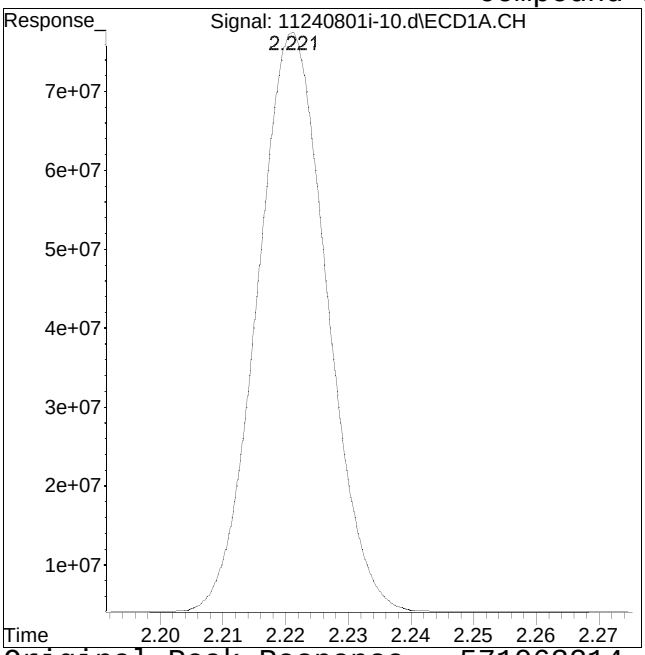


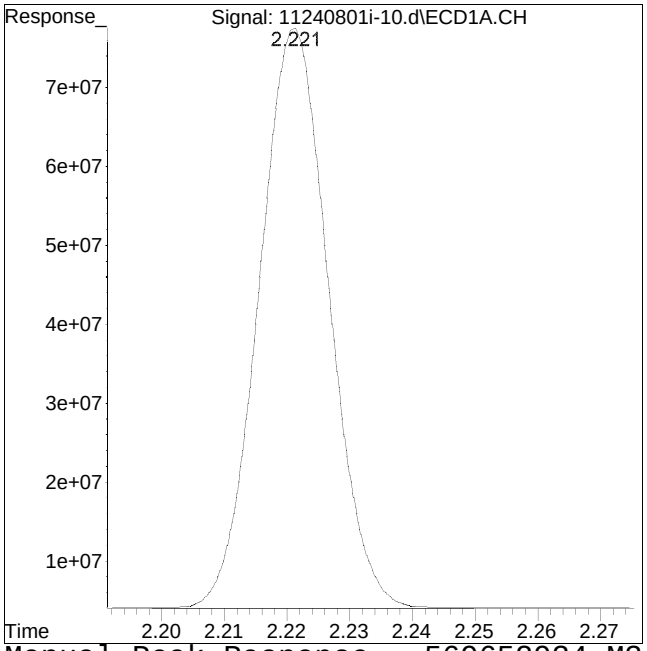
Original Peak Response = 1163106474 Manual Peak Response = 1162922773 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #6: beta-BHC





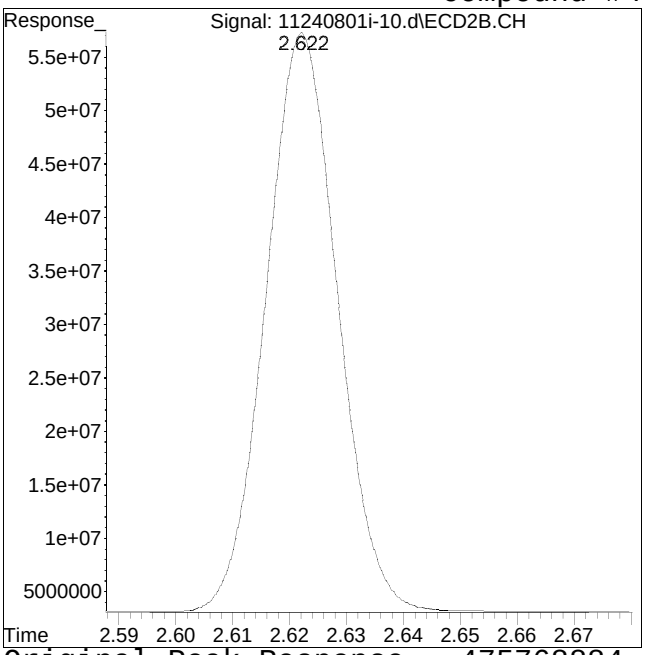
Original Peak Response = 571063214 Manual Peak Response = 569652934 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

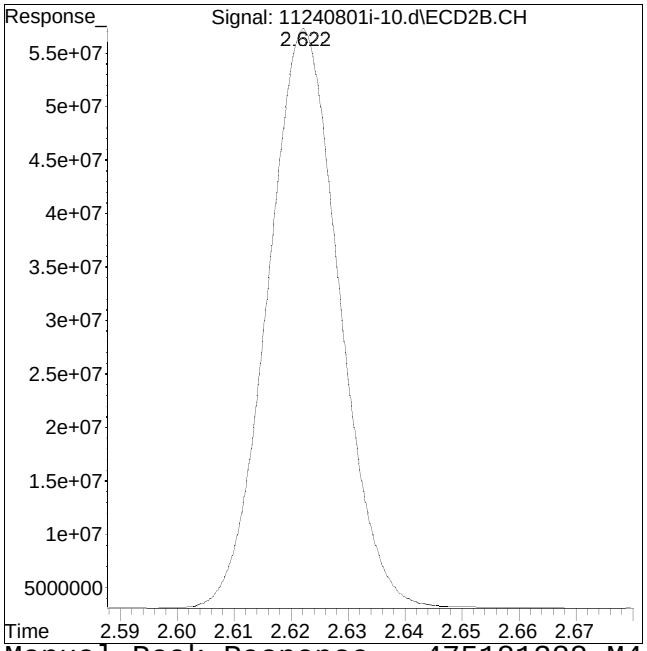
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #44: beta-BHC #2



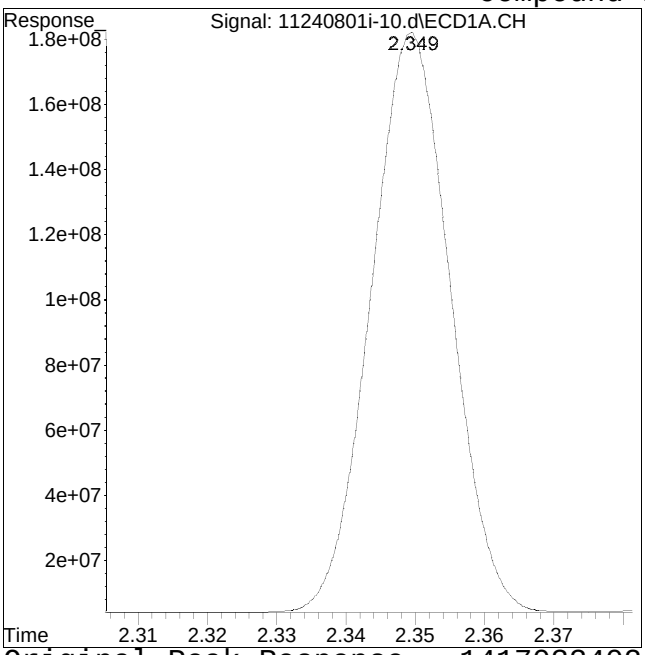


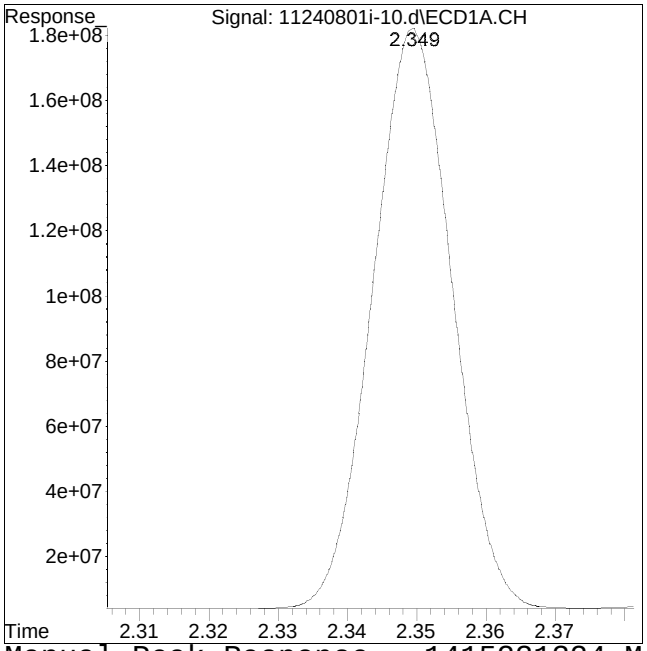
Original Peak Response = 475768884 Manual Peak Response = 475181388 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1 Quant Date : 8/2/2024 9:10 am

Compound #7: delta-BHC





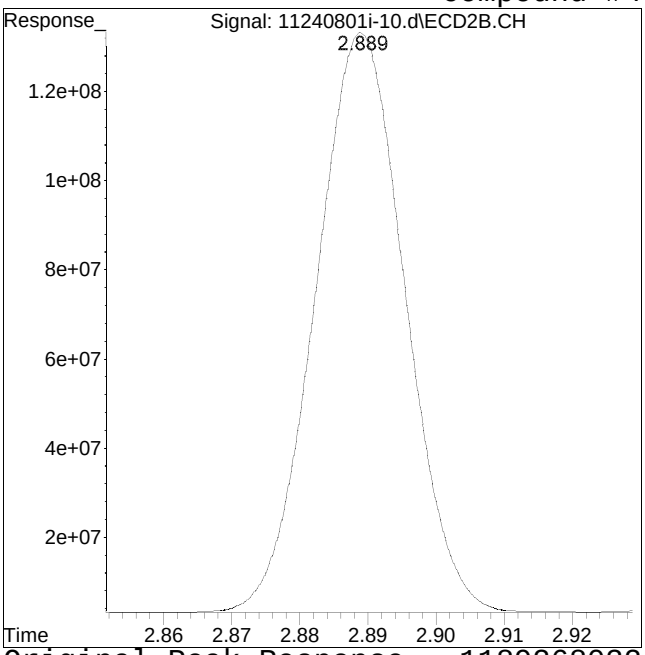
Original Peak Response = 1417033402 Manual Peak Response = 1415231324 M4
M4 = Poor automated baseline construction.

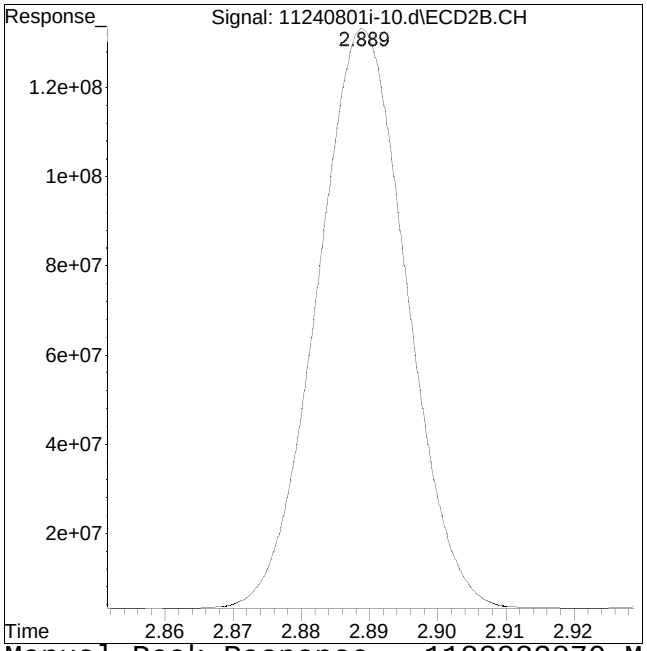
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #45: delta-BHC #2





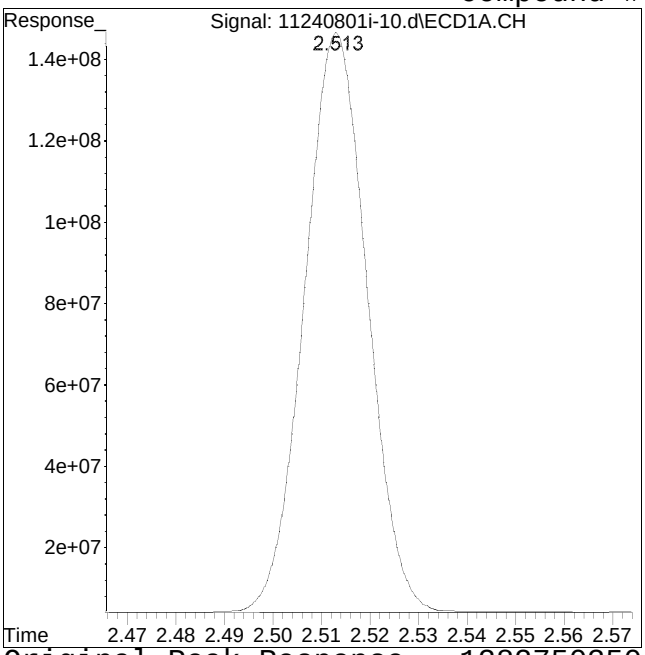
Original Peak Response = 1189268032 Manual Peak Response = 1188883870 M4
M4 = Poor automated baseline construction.

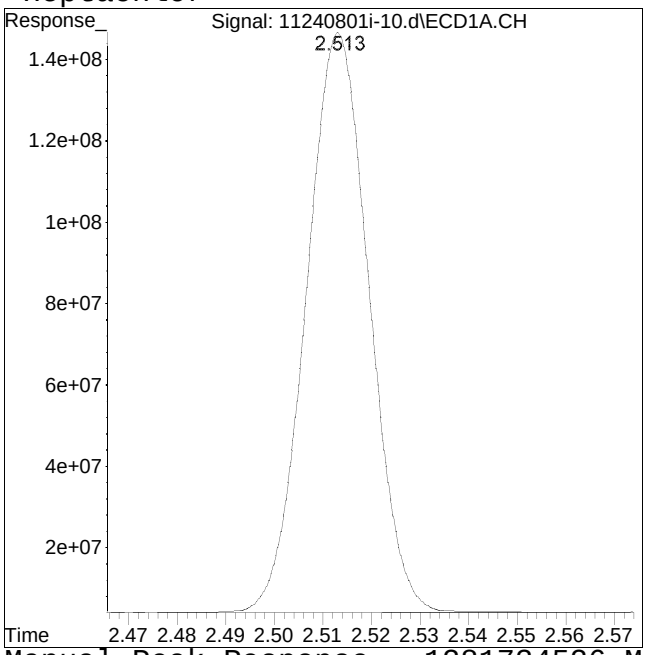
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #8: Heptachlor





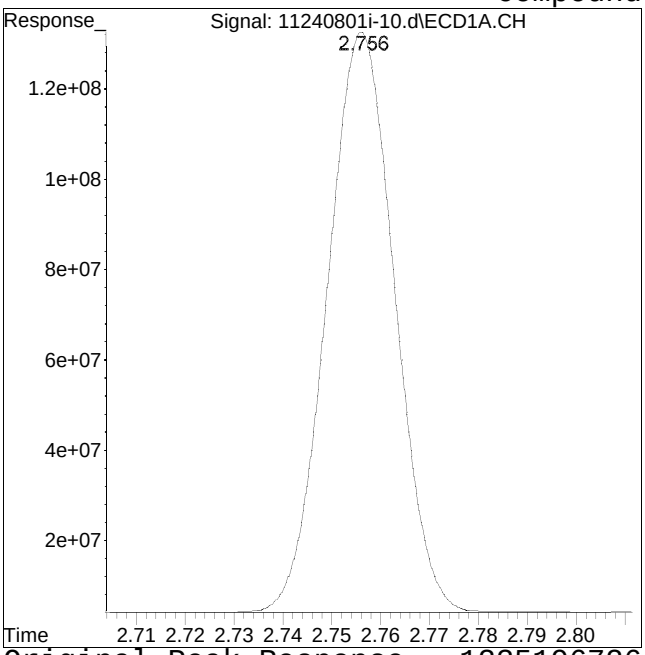
Original Peak Response = 1282750350 Manual Peak Response = 1281734526 M4
M4 = Poor automated baseline construction.

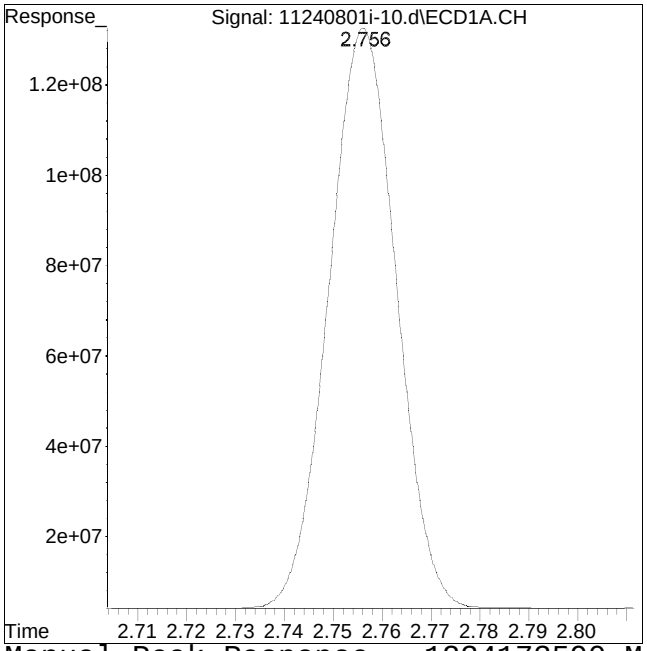
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #9: Aldrin





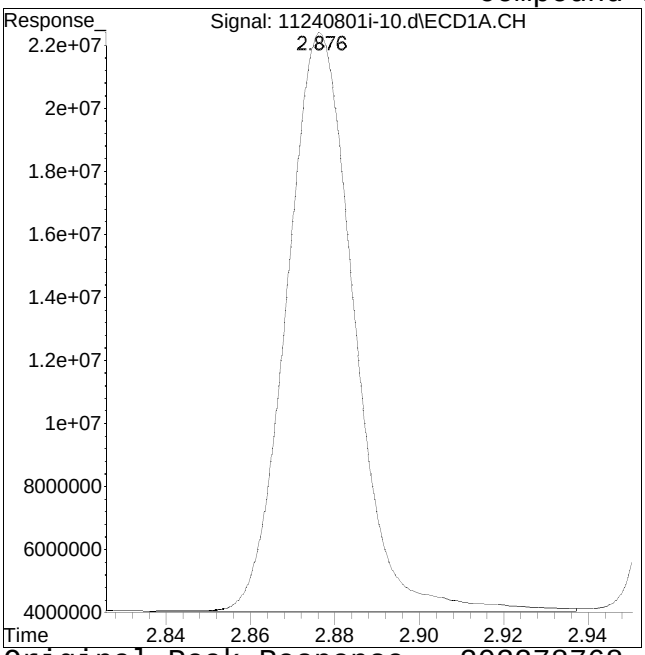
Original Peak Response = 1235196726 Manual Peak Response = 1234173590 M4
M4 = Poor automated baseline construction.

Manual Integration Report

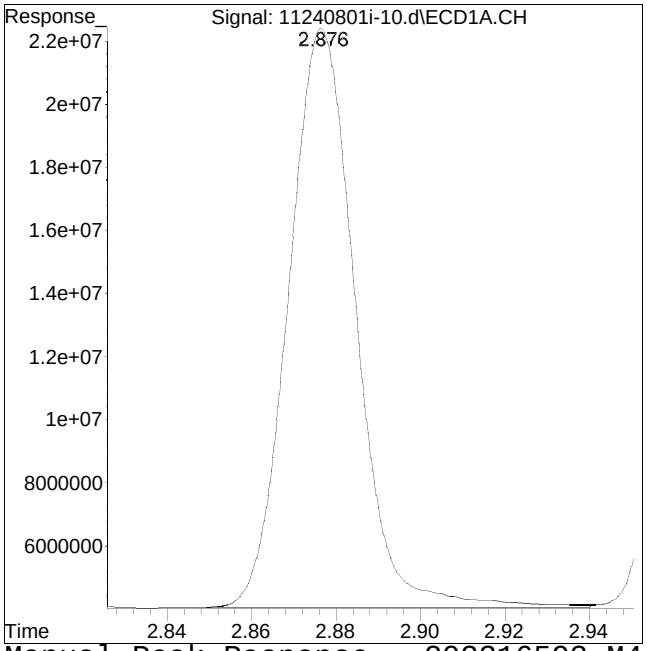
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #10: Alachlor



Original Peak Response = 203278768



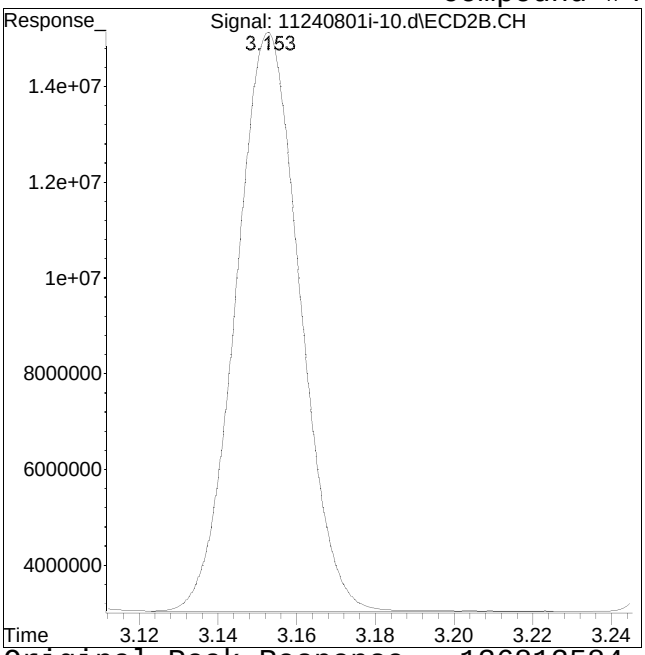
Manual Peak Response = 202316593 M4

M4 = Poor automated baseline construction.

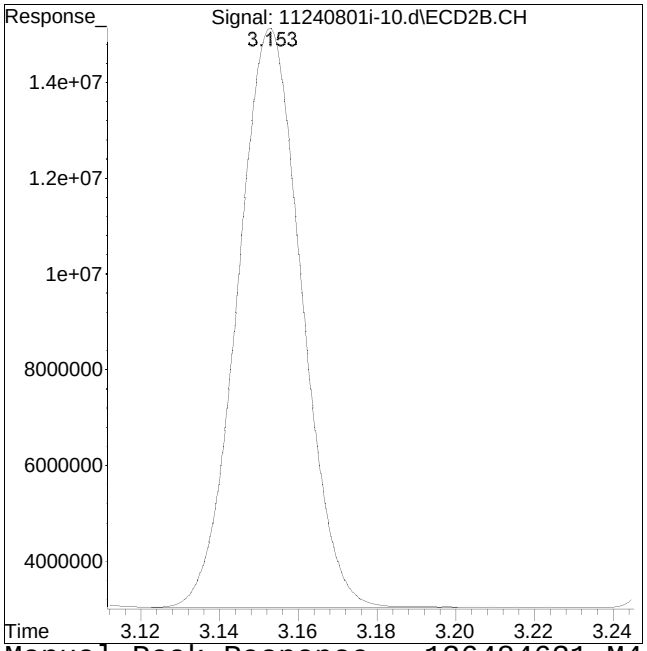
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #48: Alachlor #2



Original Peak Response = 136812584



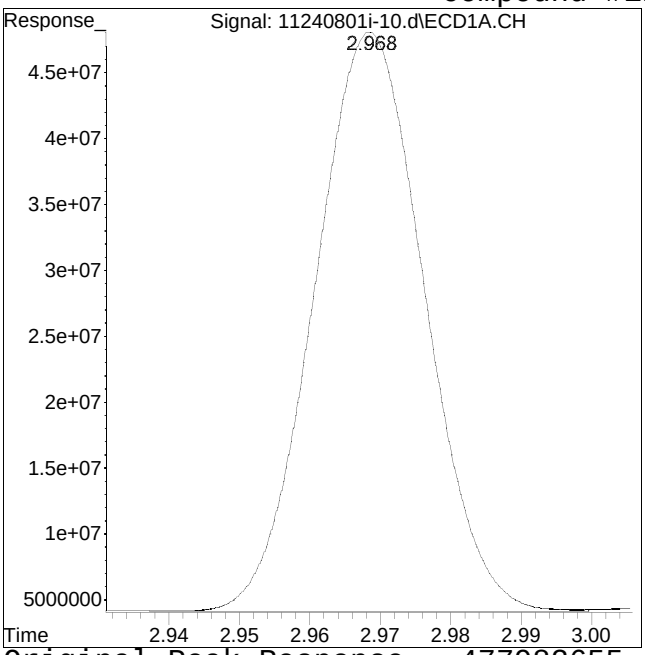
Manual Peak Response = 136484631 M4
M4 = Poor automated baseline construction.

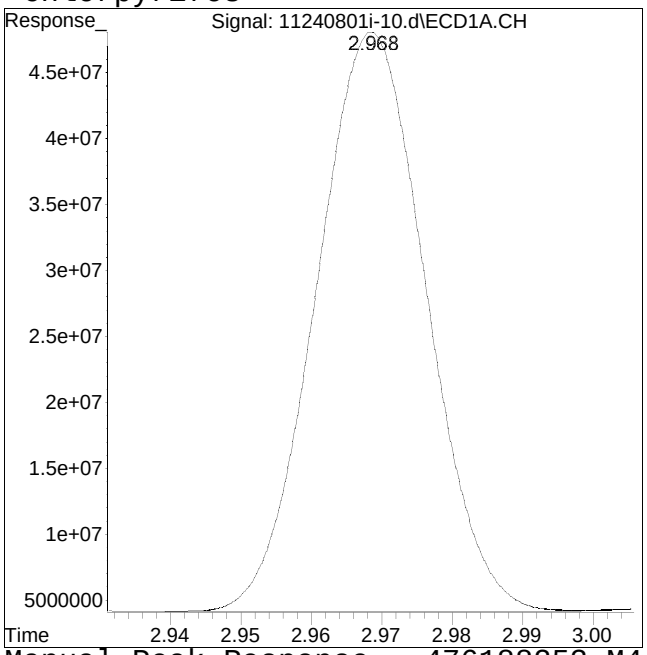
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #11: Chlorpyrifos





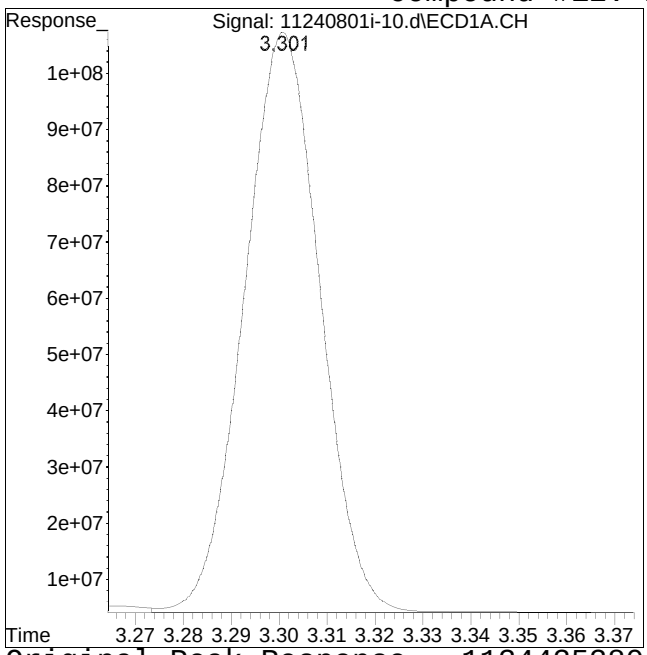
Original Peak Response = 477982655 Manual Peak Response = 476188253 M4
M4 = Poor automated baseline construction.

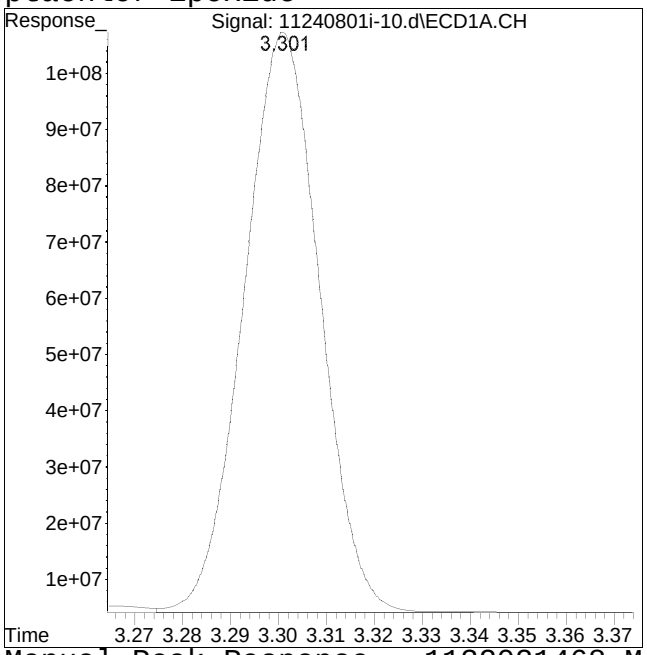
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #12: Heptachlor Epoxide



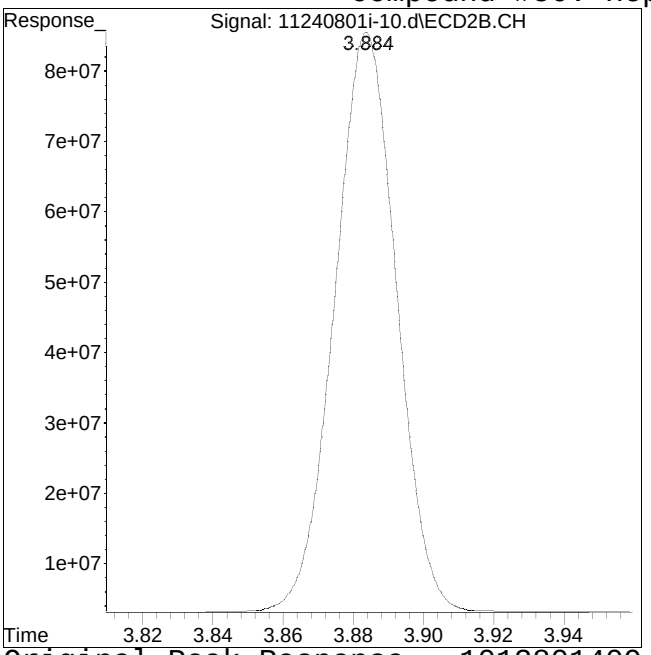


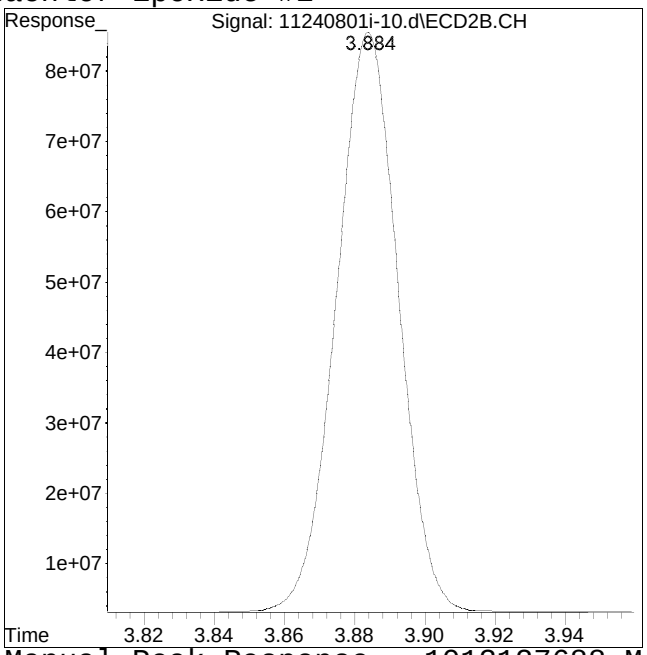
Original Peak Response = 1134435380 Manual Peak Response = 1132021468 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #50: Heptachlor Epoxide #2





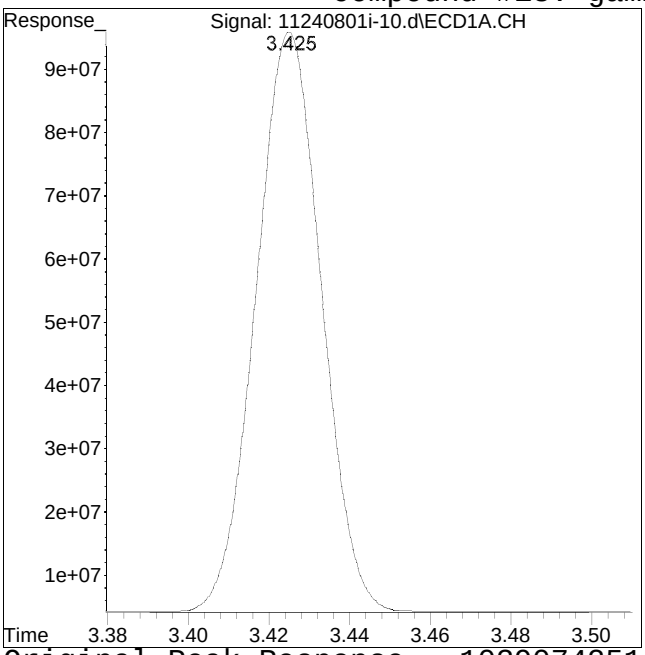
Original Peak Response = 1013801409 Manual Peak Response = 1013127688 M4
M4 = Poor automated baseline construction.

Manual Integration Report

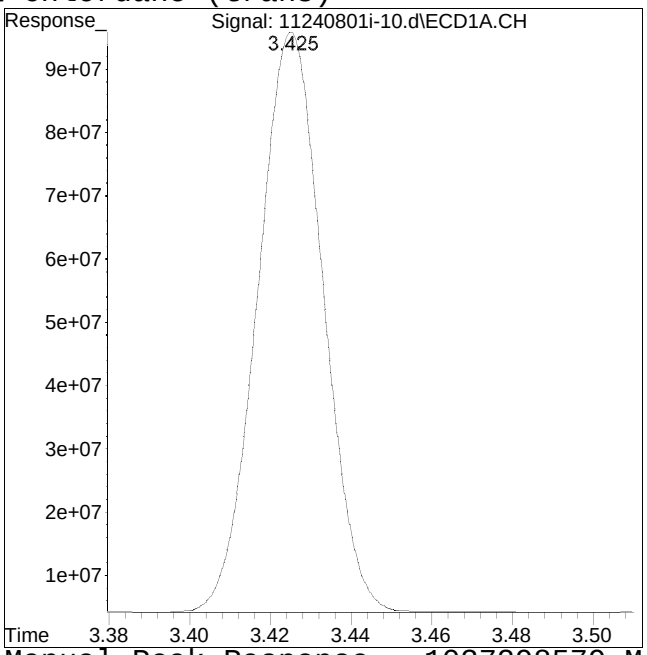
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 1039074251



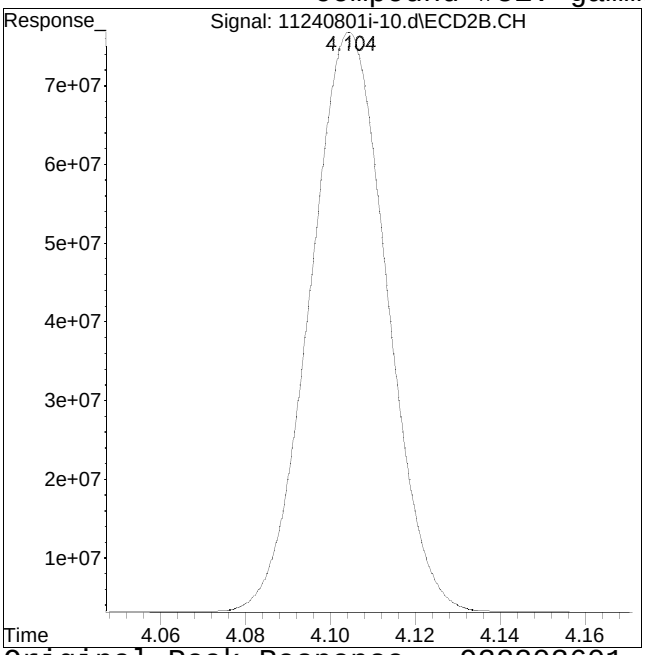
Manual Peak Response = 1037298579 M4

M4 = Poor automated baseline construction.

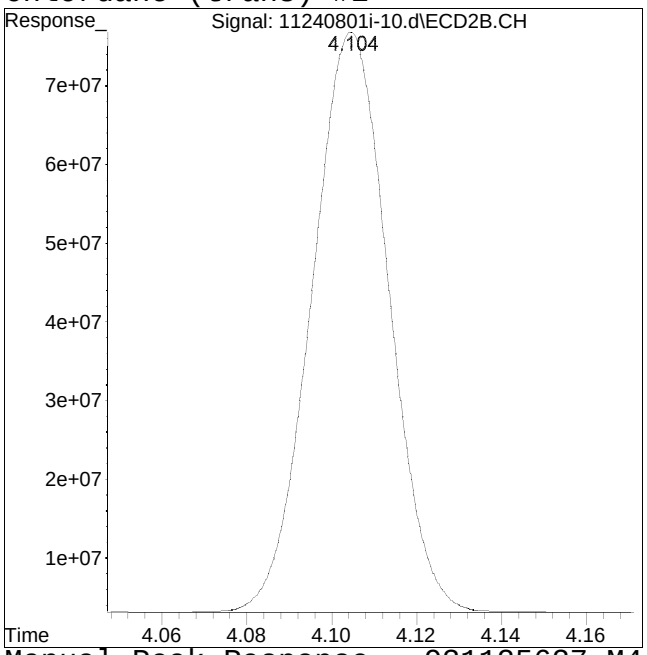
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 932203601



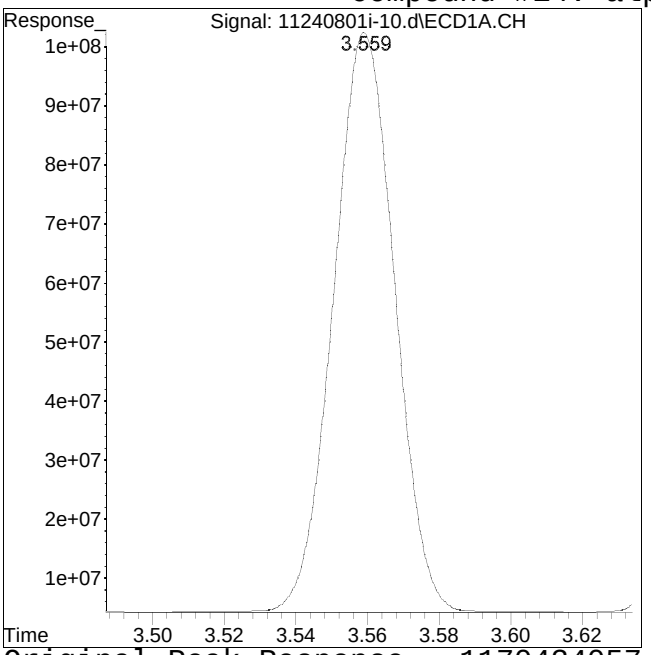
Manual Peak Response = 931125627 M4
M4 = Poor automated baseline construction.

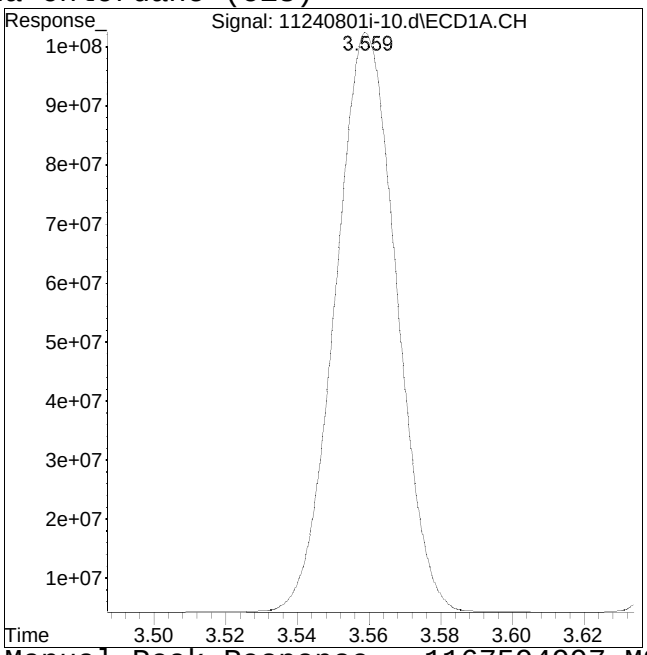
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #14: alpha-Chlordane (cis)





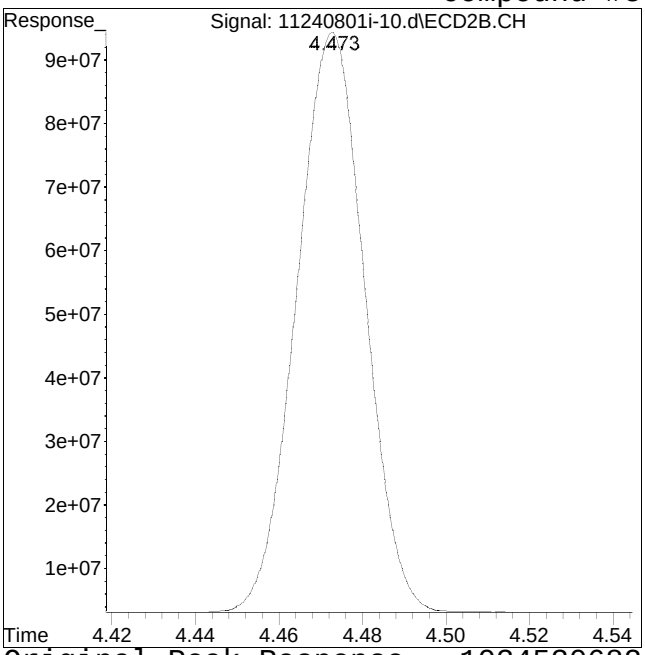
Original Peak Response = 1170434057 Manual Peak Response = 1167594997 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

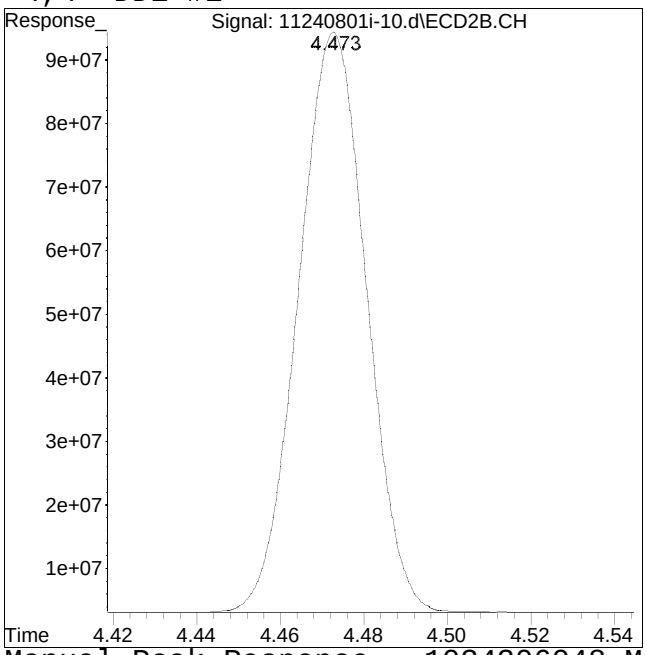
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #53: 4,4'-DDE #2





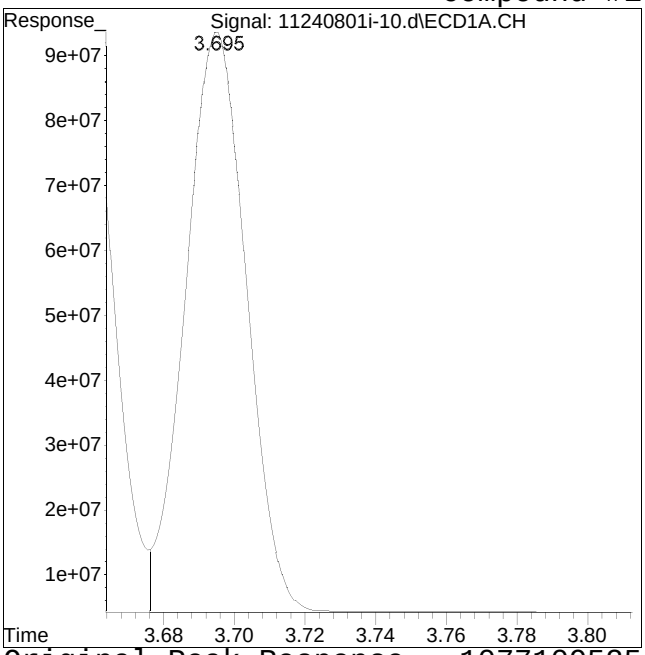
Original Peak Response = 1034530682 Manual Peak Response = 1034306048 M4
M4 = Poor automated baseline construction.

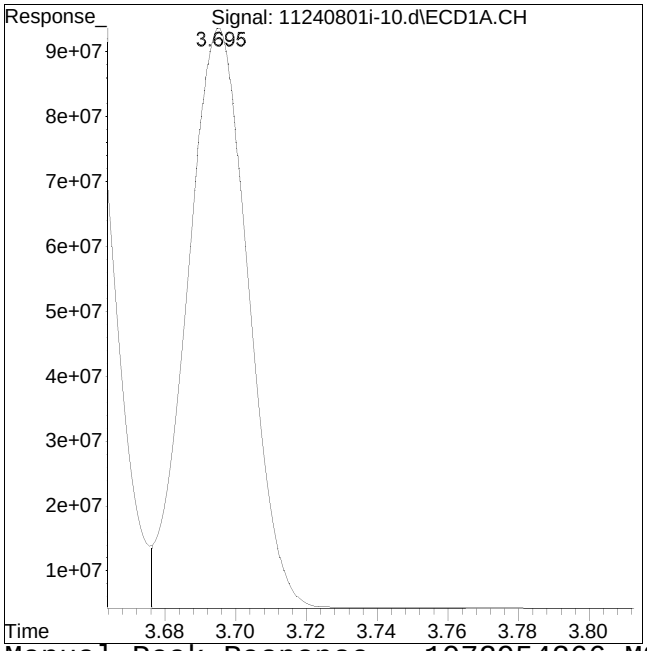
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #16: Endosulfan I



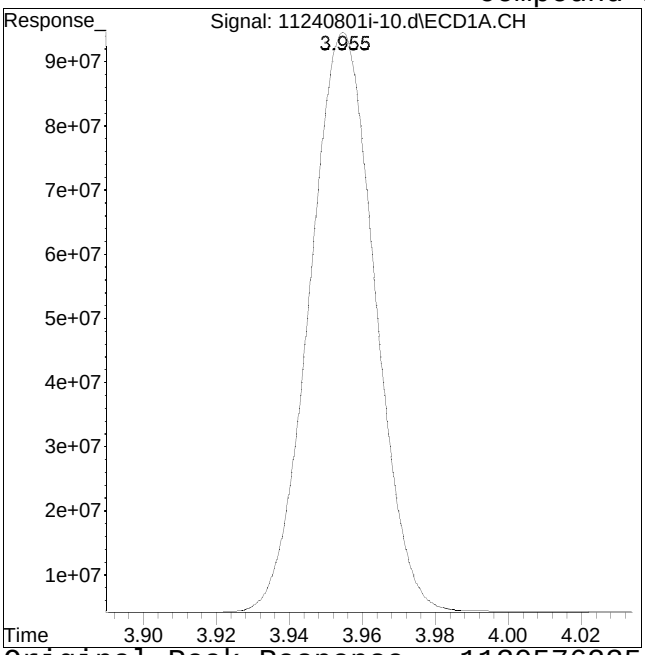


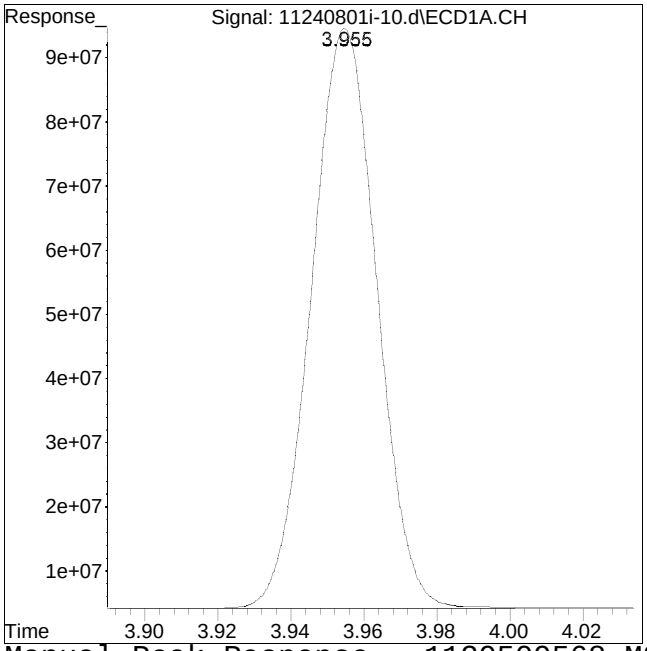
Original Peak Response = 1077109525 Manual Peak Response = 1072954266 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #17: Dieldrin



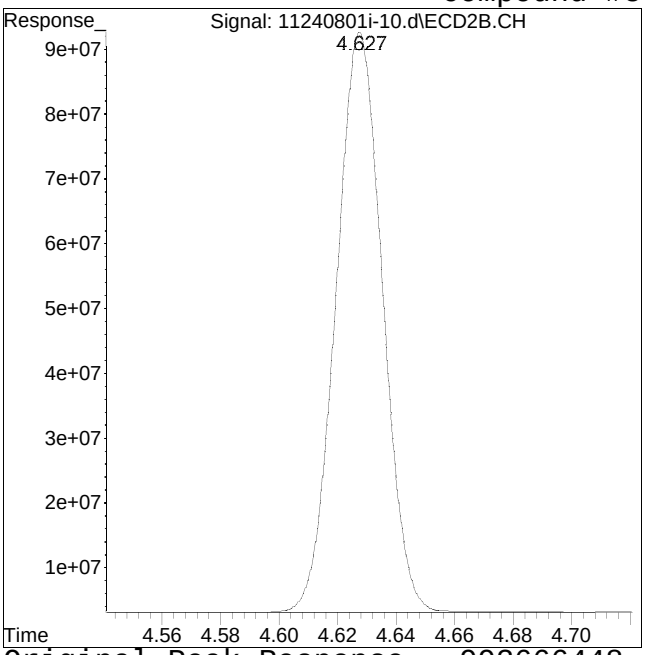


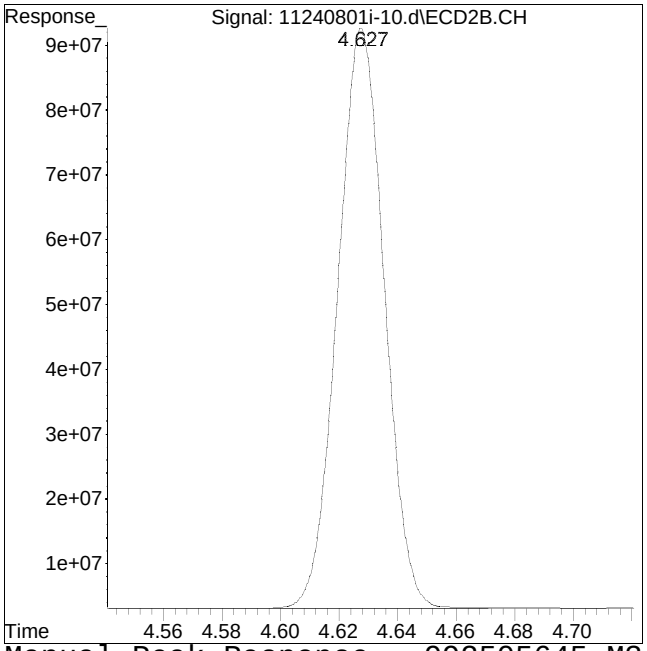
Original Peak Response = 1130576235 Manual Peak Response = 1129509568 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #55: Dieldrin #2



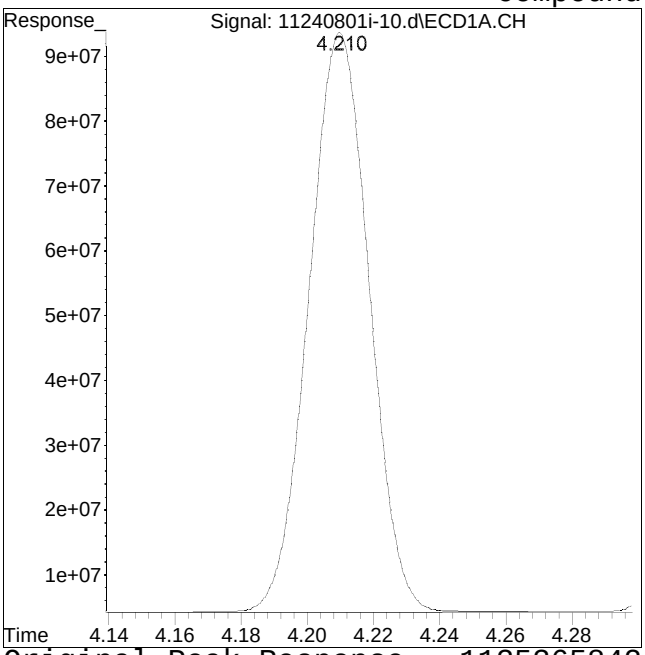


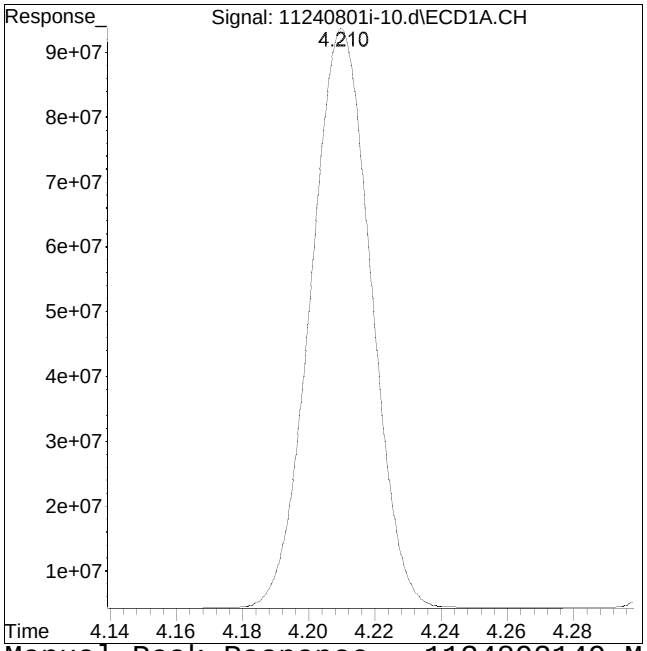
Original Peak Response = 993666448 Manual Peak Response = 992505645 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #18: Endrin



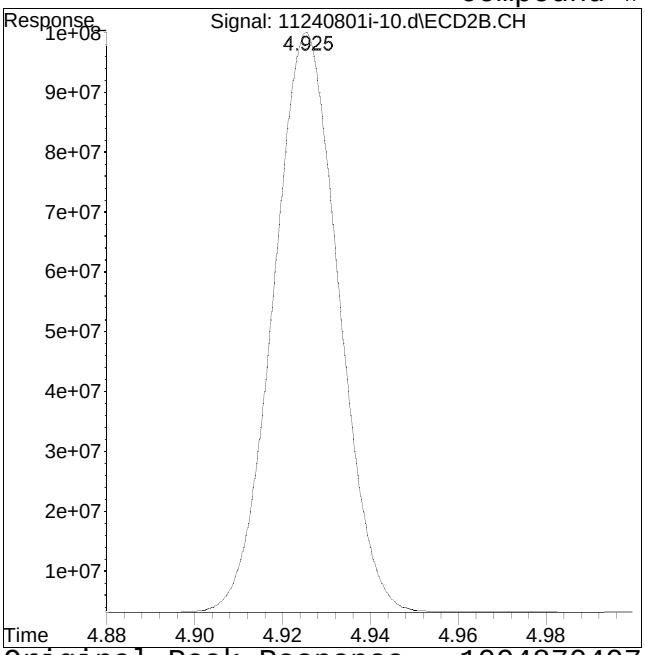


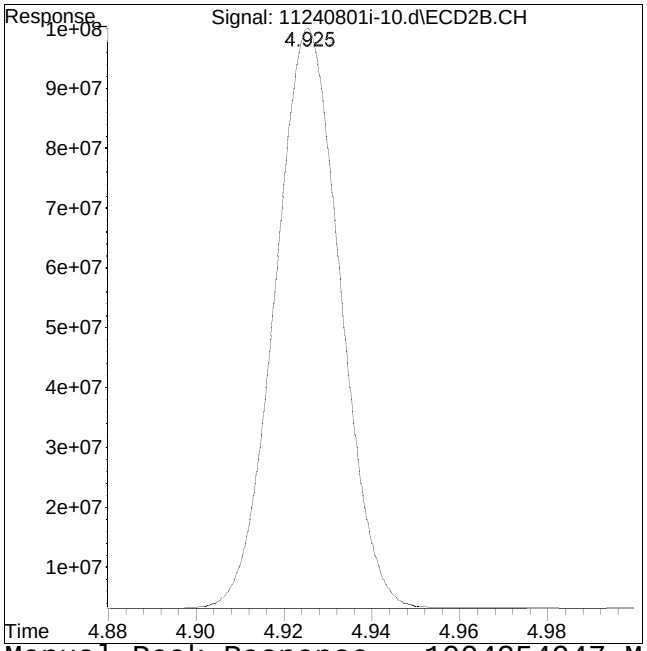
Original Peak Response = 1135365842 Manual Peak Response = 1134892149 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #56: Endrin #2



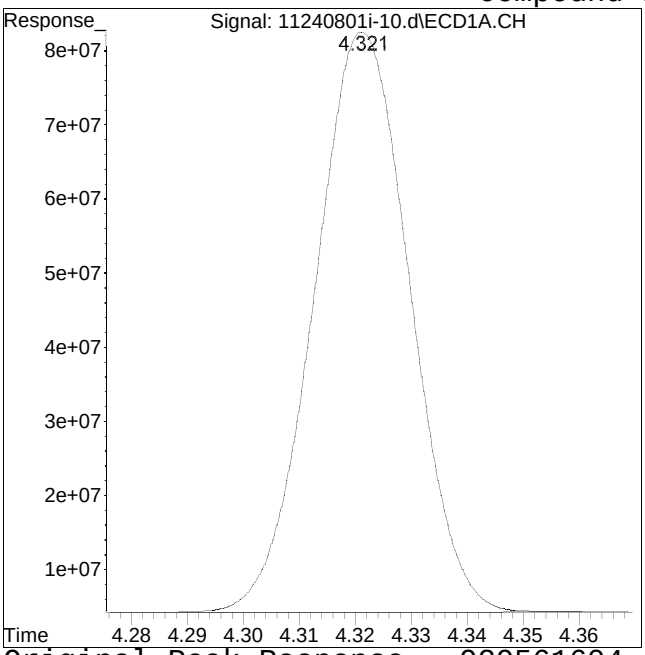


Original Peak Response = 1004870407 Manual Peak Response = 1004254947 M4
M4 = Poor automated baseline construction.

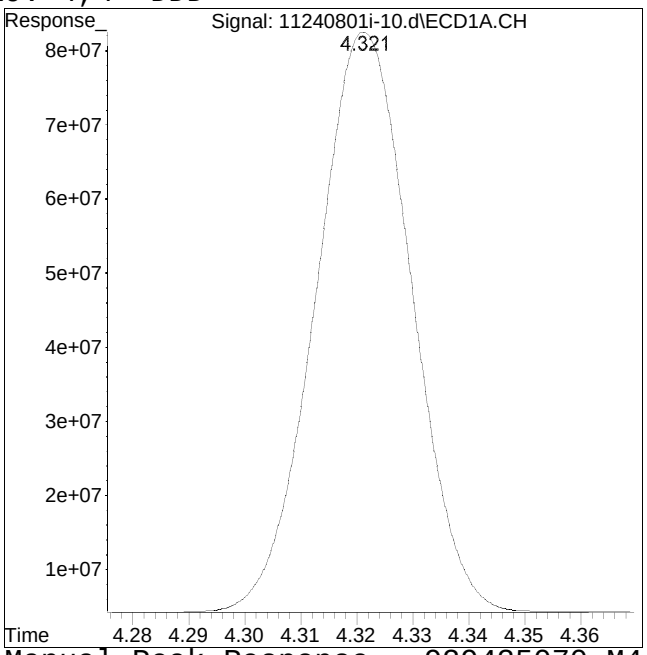
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #19: 4,4'-DDD



Original Peak Response = 929561604



Manual Peak Response = 929435070 M4

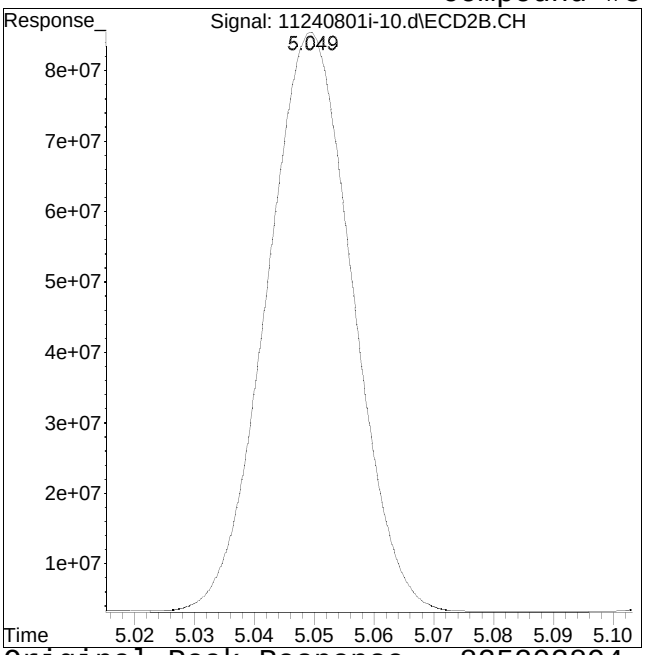
M4 = Poor automated baseline construction.

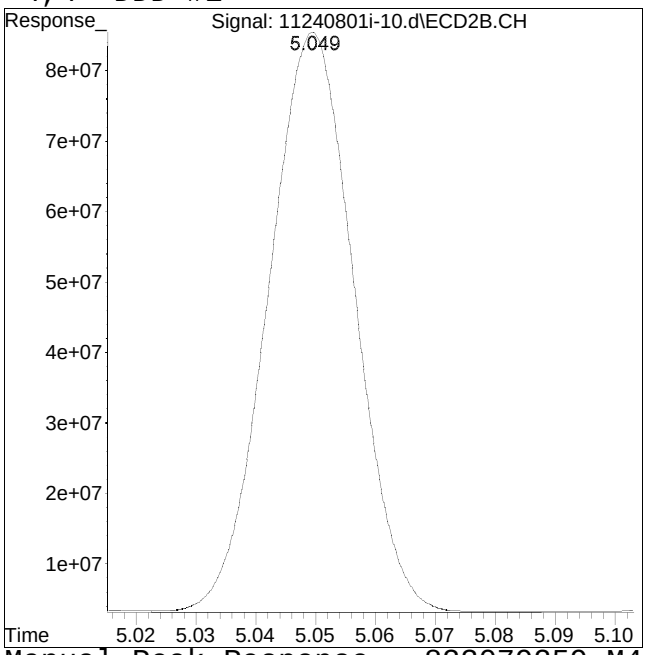
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #57: 4,4'-DDD #2



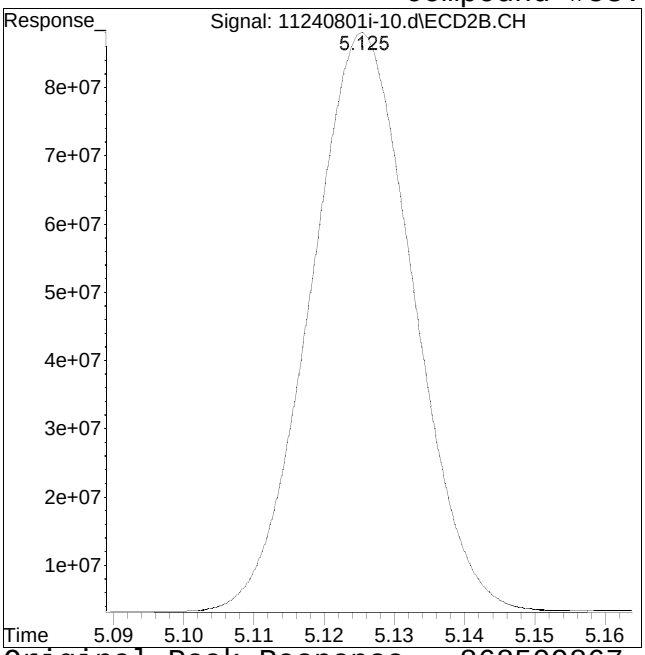


Original Peak Response = 825203894 Manual Peak Response = 823079259 M4
M4 = Poor automated baseline construction.

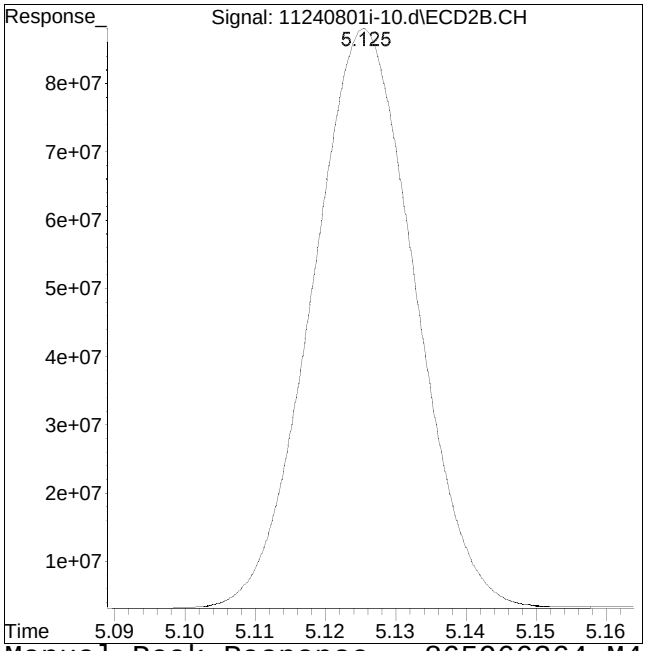
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #58: Endosulfan II #2



Original Peak Response = 868509867



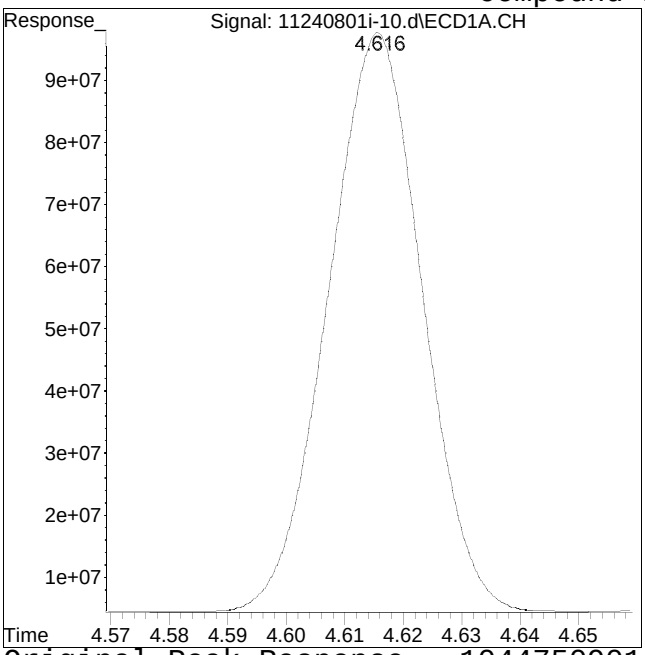
Manual Peak Response = 865966264 M4
M4 = Poor automated baseline construction.

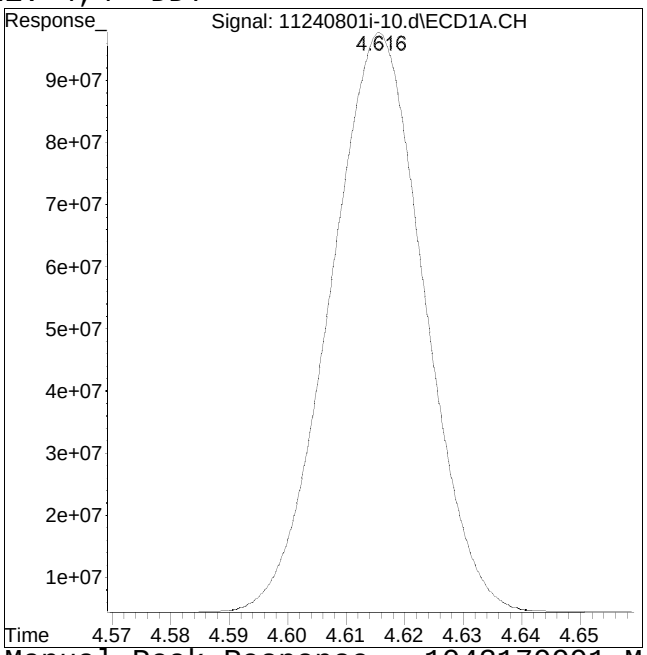
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #21: 4,4'-DDT





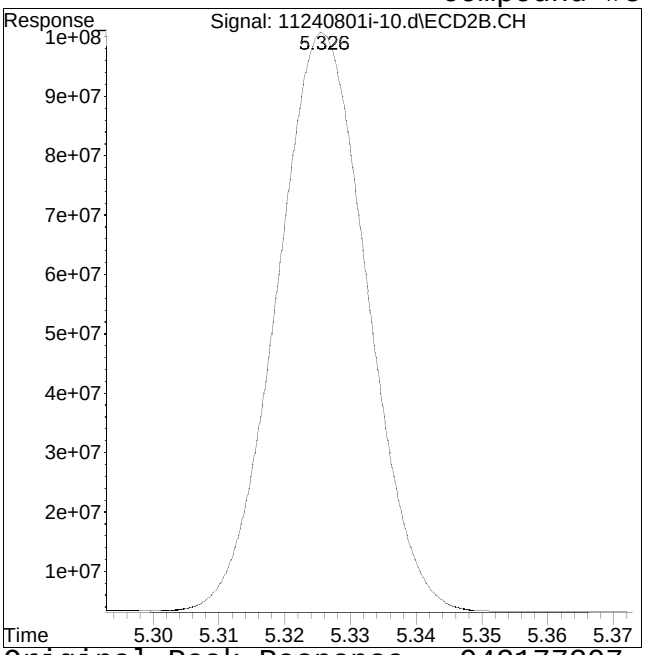
Original Peak Response = 1044750901 Manual Peak Response = 1043179991 M4
M4 = Poor automated baseline construction.

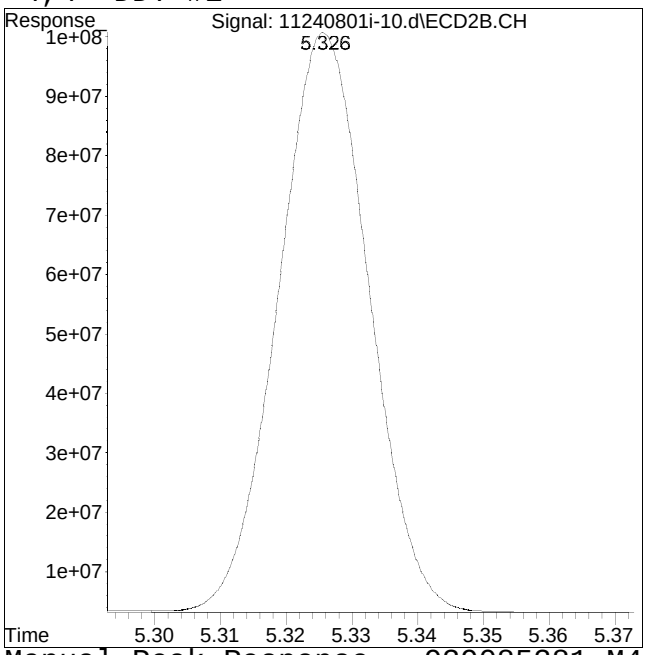
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #59: 4,4'-DDT #2





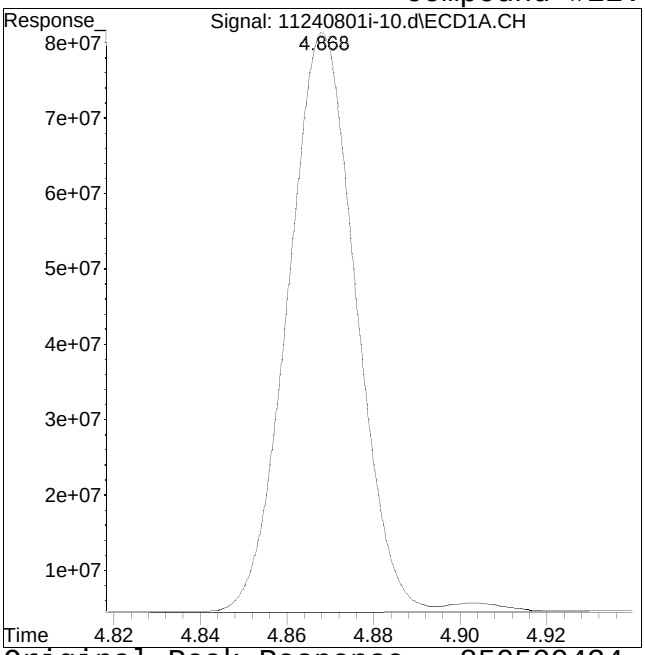
Original Peak Response = 942177307 Manual Peak Response = 939085381 M4
M4 = Poor automated baseline construction.

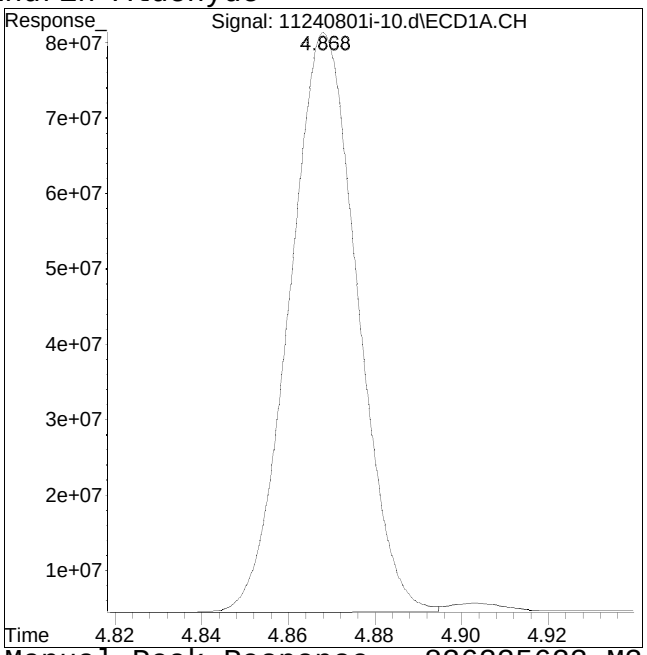
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #22: Endrin Aldehyde





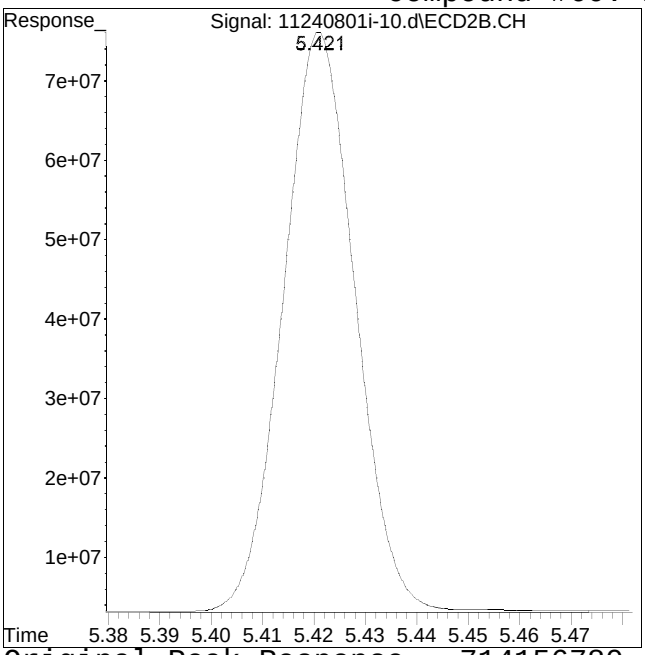
Original Peak Response = 850509434 Manual Peak Response = 836335623 M3

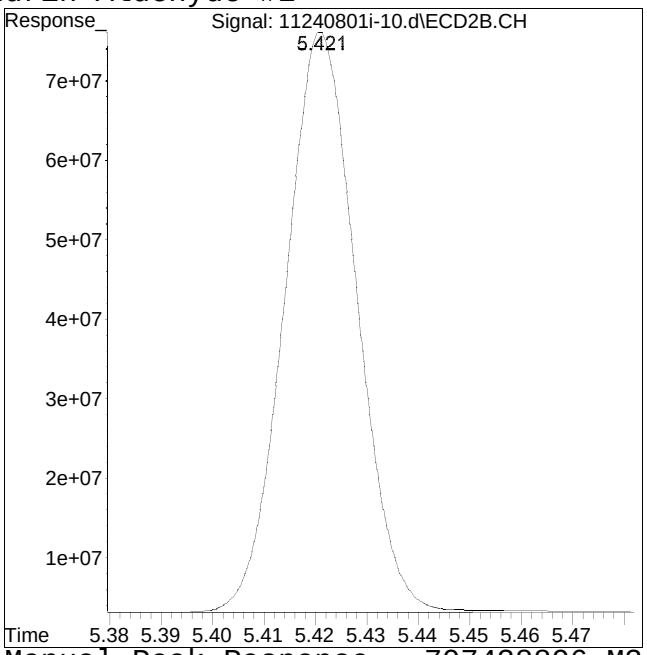
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #60: Endrin Aldehyde #2





Original Peak Response = 714156780 Manual Peak Response = 707438896 M3

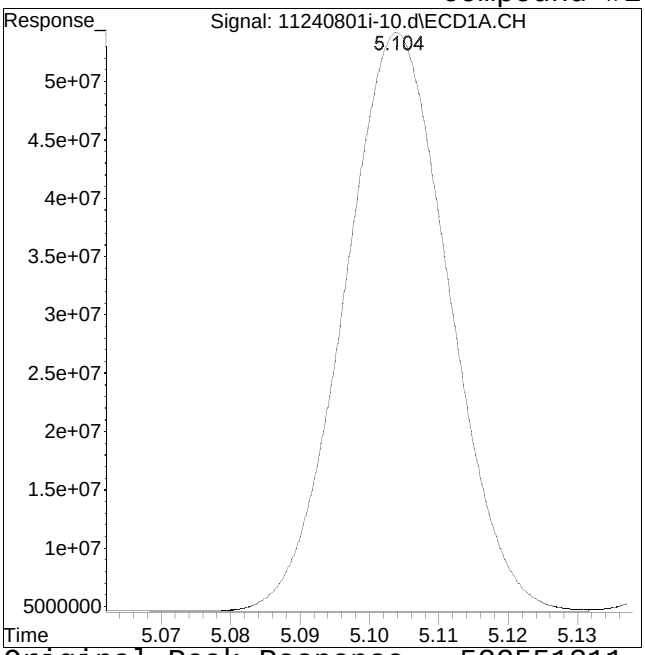
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

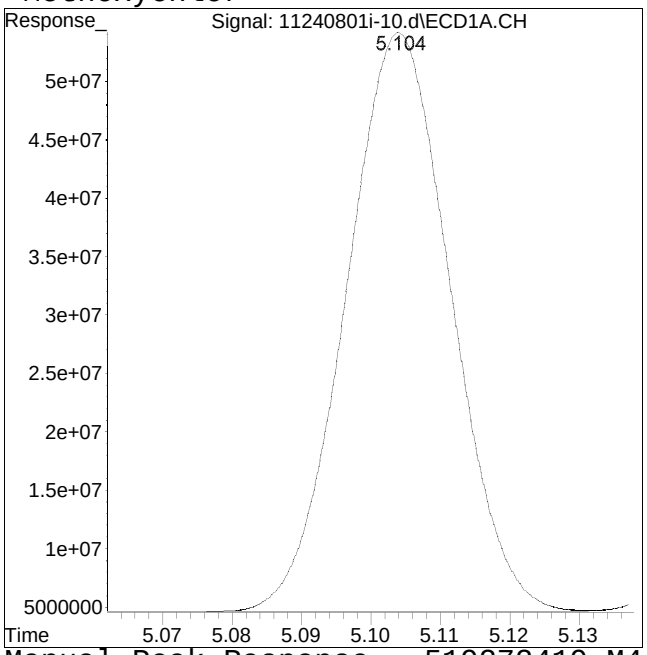
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #23: Methoxychlor



Original Peak Response = 522551311



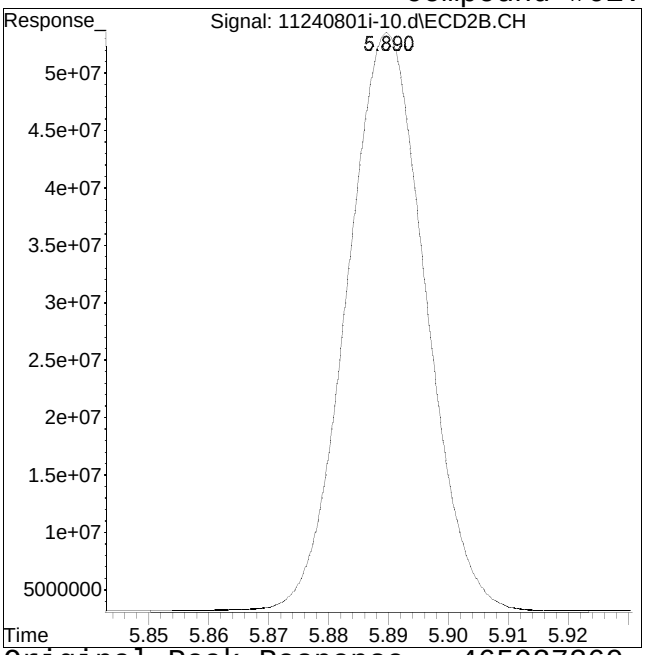
Manual Peak Response = 519272419 M4

M4 = Poor automated baseline construction.

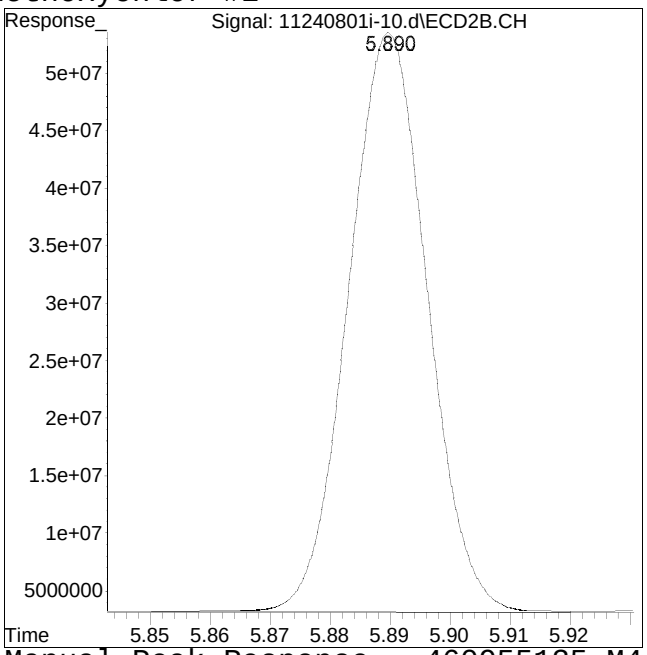
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #61: Methoxychlor #2



Original Peak Response = 465927360



Manual Peak Response = 460955135 M4

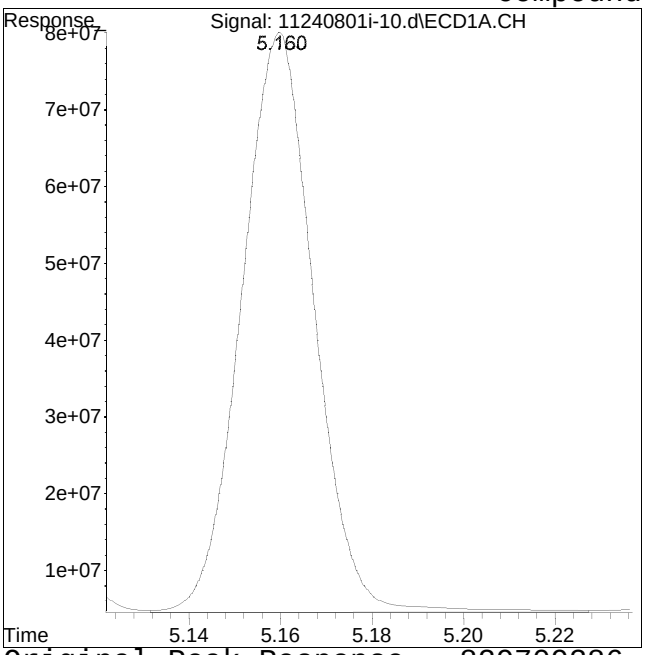
M4 = Poor automated baseline construction.

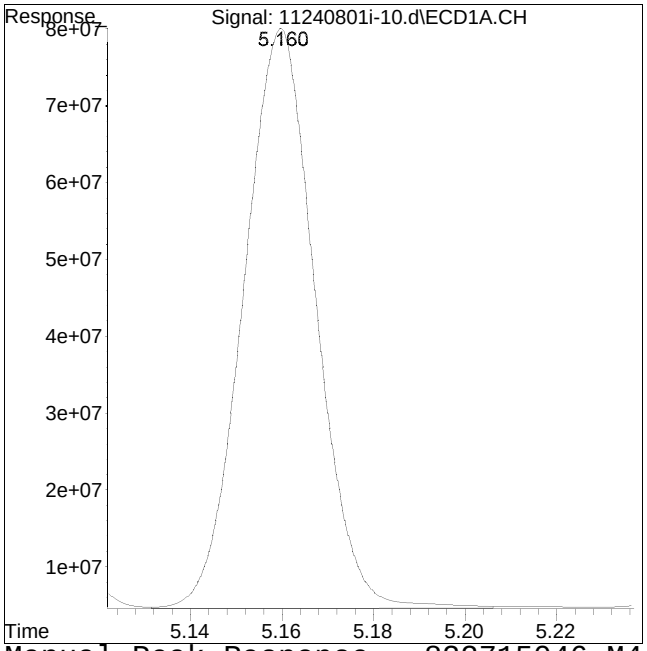
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #24: Mirex





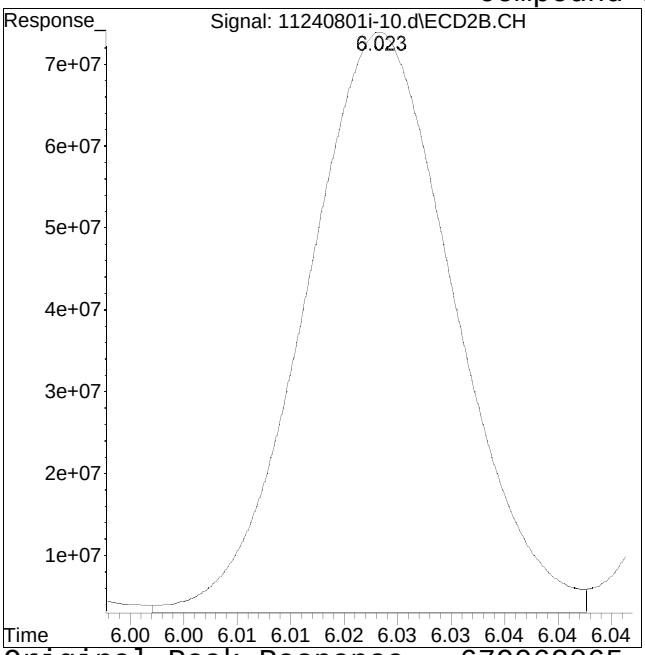
Original Peak Response = 829709386 Manual Peak Response = 822715046 M4
M4 = Poor automated baseline construction.

Manual Integration Report

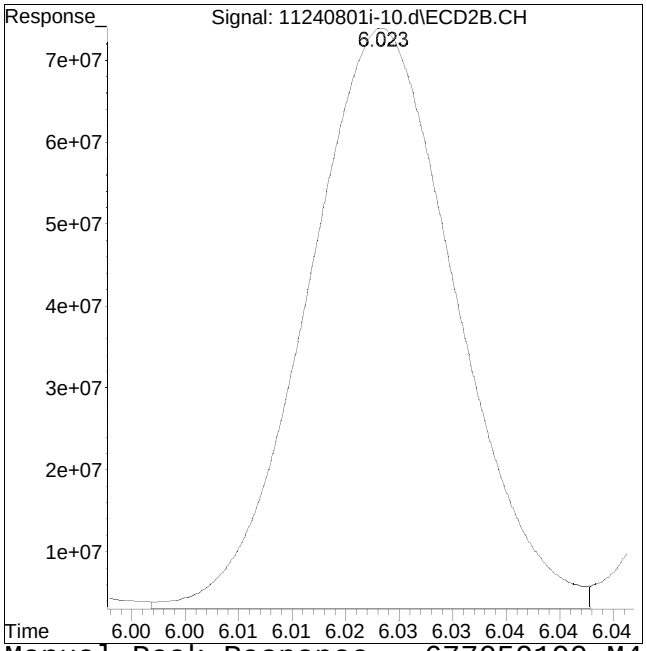
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #62: Mirex #2



Original Peak Response = 679062065



Manual Peak Response = 677050190 M4

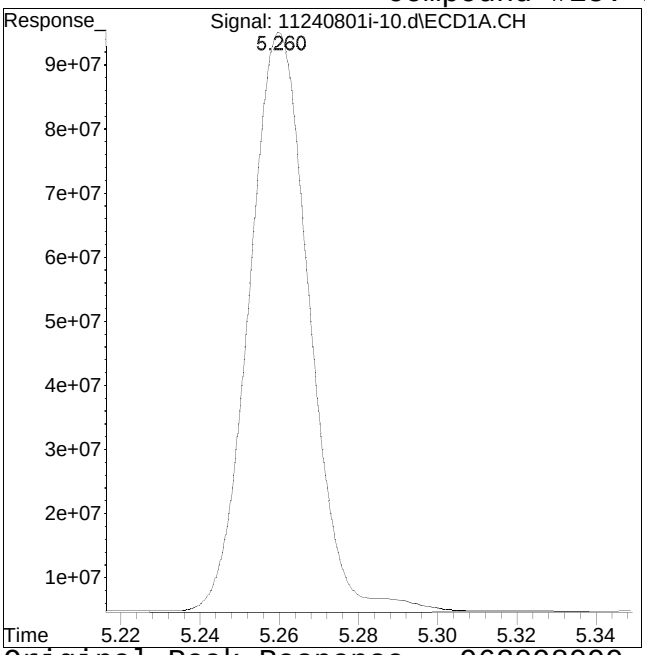
M4 = Poor automated baseline construction.

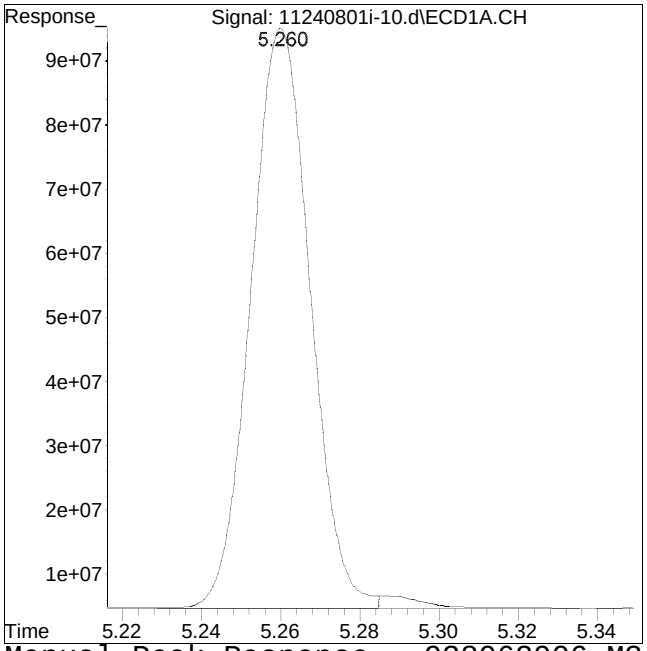
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 963098999 Manual Peak Response = 938962906 M3

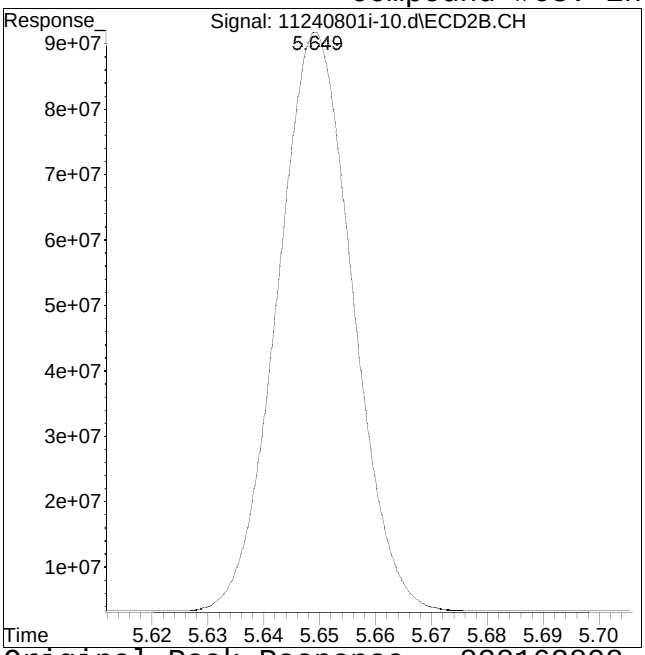
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

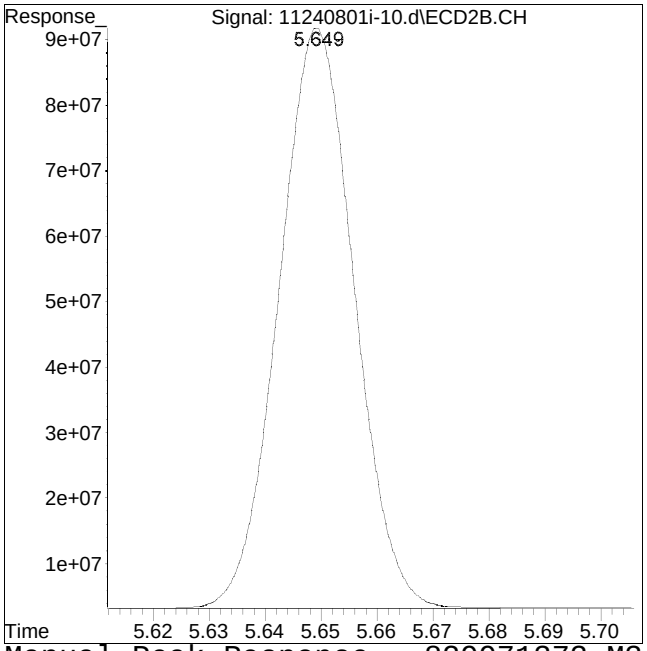
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #63: Endosulfan Sulfate #2





Original Peak Response = 838162808 Manual Peak Response = 829971373 M3

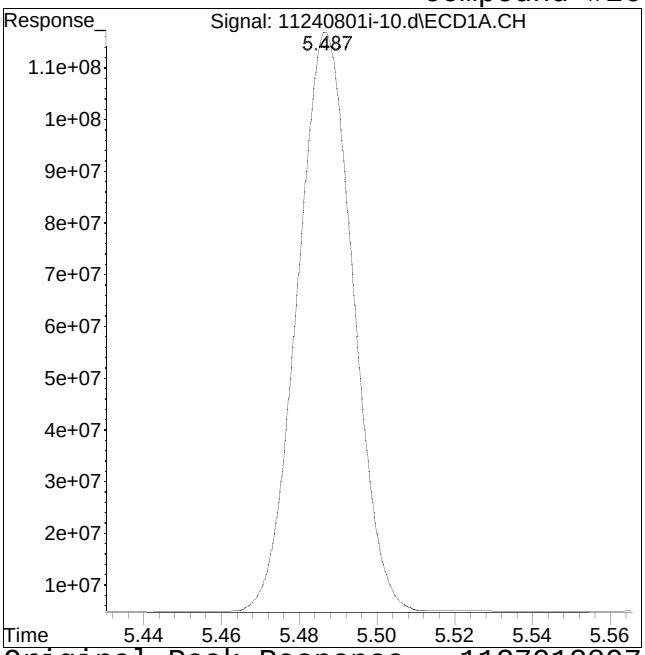
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

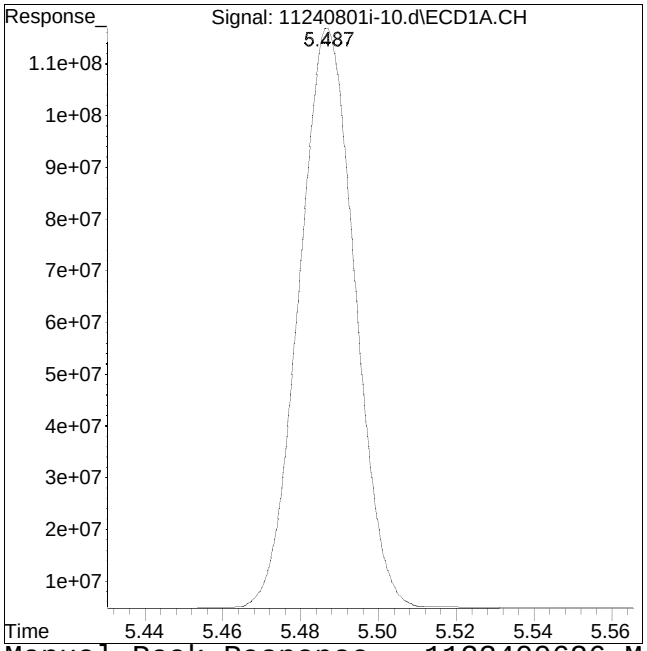
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #26: Endrin Ketone



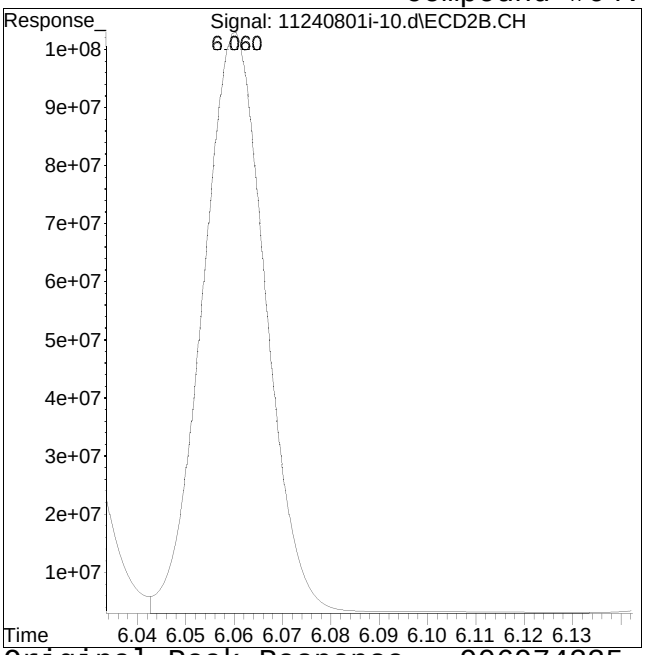


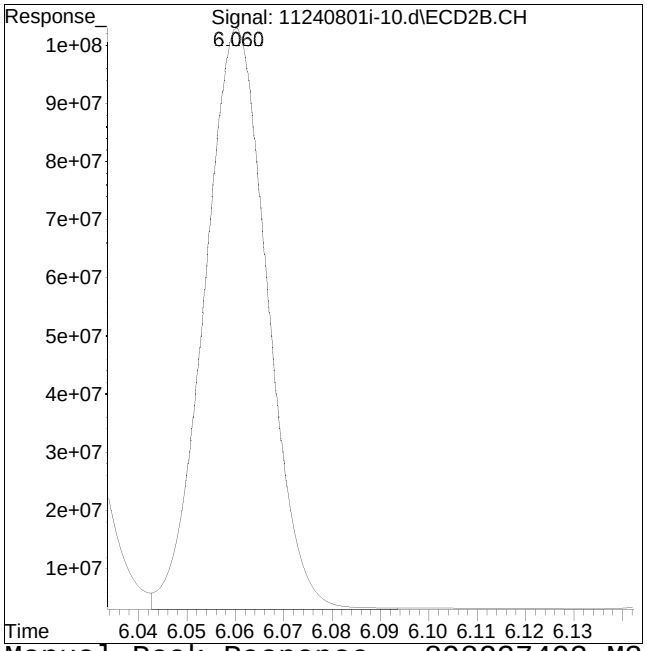
Original Peak Response = 1127912897 Manual Peak Response = 1123400626 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #64: Endrin Ketone #2





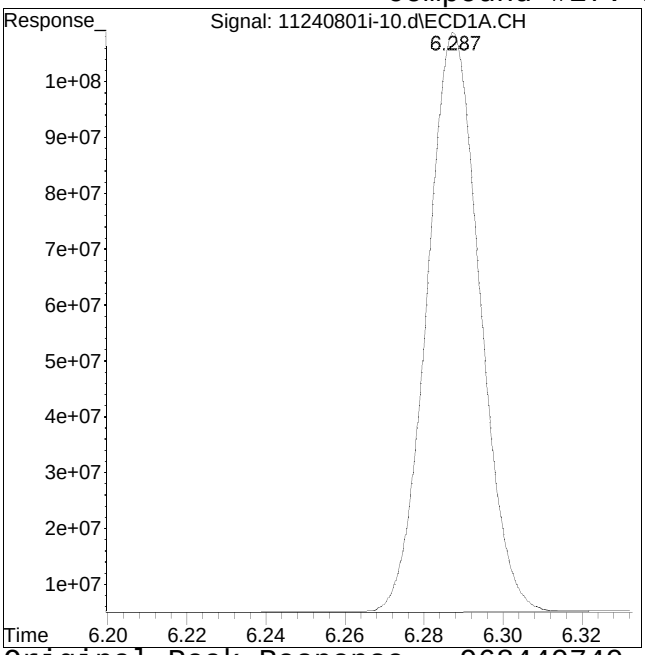
Original Peak Response = 906974335 Manual Peak Response = 898237493 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

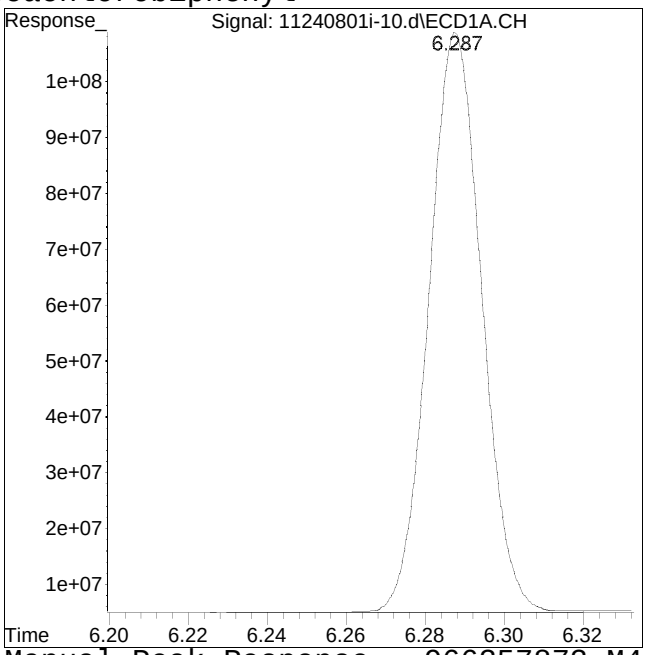
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 968440740



Manual Peak Response = 966357873 M4

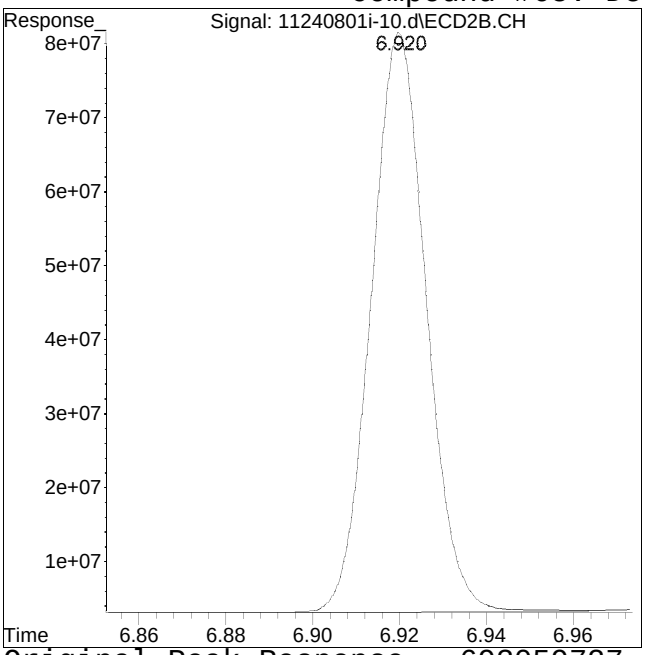
M4 = Poor automated baseline construction.

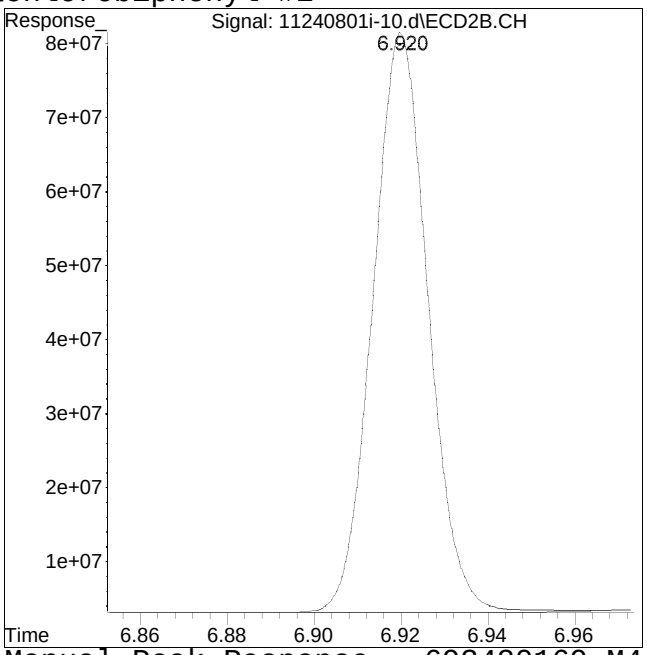
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 693059727 Manual Peak Response = 693420169 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:12
Operator : PEST11:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:29:32 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	234.6E6	183.1E6	25.000M3	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	1913.3E6	1598.0E6	193.264M3	202.706M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		386.53%#	405.41%#
27) s	Decachlorobi	6.288	6.920	1913.5E6	1380.9E6	195.015M4	201.842M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		390.03%#	403.68%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.178	2442.7E6	1675.4E6	191.797M3	199.678
4) t	alpha-BHC	1.964	2.271	3010.2E6	2583.6E6	198.283M4	206.150M3
5) t	gamma-BHC (l	2.166	2.557	2765.0E6	2320.8E6	197.699M3	205.175M4
6) t	beta-BHC	2.221	2.622	1120.5E6	933.3E6	194.276M4	198.901M4
7) t	delta-BHC	2.350	2.889	2819.2E6	2384.1E6	199.250M4	206.915M4
8) t	Heptachlor	2.513	2.952	2482.5E6	2268.1E6	191.877M4	198.593M4
9) t	Aldrin	2.757	3.271	2440.7E6	2165.8E6	197.425M4	203.689
10) t	Alachlor	2.877	3.153	373.3E6	252.0E6	178.169M4	180.792M3
11) t	Chlorpyrifos	2.969	3.506	874.1E6	975.3E6	175.986M4	185.391M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:12
Operator : PEST11:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:29:32 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.301	3.884	2205.7E6	1981.0E6	192.763M3	199.269M4
13)	t	gamma-Chlord	3.425	4.105	2083.4E6	1868.5E6	200.885M4	206.064M4
14)	t	alpha-Chlord	3.559	4.274	2331.6E6	2051.6E6	198.900M3	204.428M4
15)	t	4,4'-DDE	3.657	4.473	2393.8E6	2077.4E6	202.115M4	207.169M3
16)	t	Endosulfan I	3.696	4.336	2104.4E6	1850.2E6	194.817M4	199.685M4
17)	t	Dieldrin	3.955	4.628	2245.1E6	1969.5E6	198.785M4	203.766M4
18)	t	Endrin	4.210	4.926	2229.3E6	1985.9E6	195.383M3	202.639M4
19)	t	4,4'-DDD	4.322	5.050	1880.5E6	1661.0E6	203.384M4	208.277M4
20)	t	Endosulfan I	4.452	5.126	1974.6E6	1684.2E6	192.875M4	198.396M4
21)	t	4,4'-DDT	4.616	5.326	2109.7E6	1890.1E6	202.314M4	207.312M3
22)	t	Endrin Aldeh	4.869	5.421	1666.3E6	1402.7E6	198.364M4	202.391M3
23)	t	Methoxychlor	5.104	5.890	988.3E6	899.3E6	185.976M4	196.434M3
24)	t	Mirex	5.160	6.023	1621.2E6	1338.7E6	194.224M4	199.638M4
25)	t	Endosulfan S	5.260	5.649	1840.3E6	1637.4E6	194.770M3	201.144M4
26)	t	Endrin Keton	5.487	6.060	2176.6E6	1757.5E6	191.458M4	198.938M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:12
Operator : PEST11:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:29:32 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

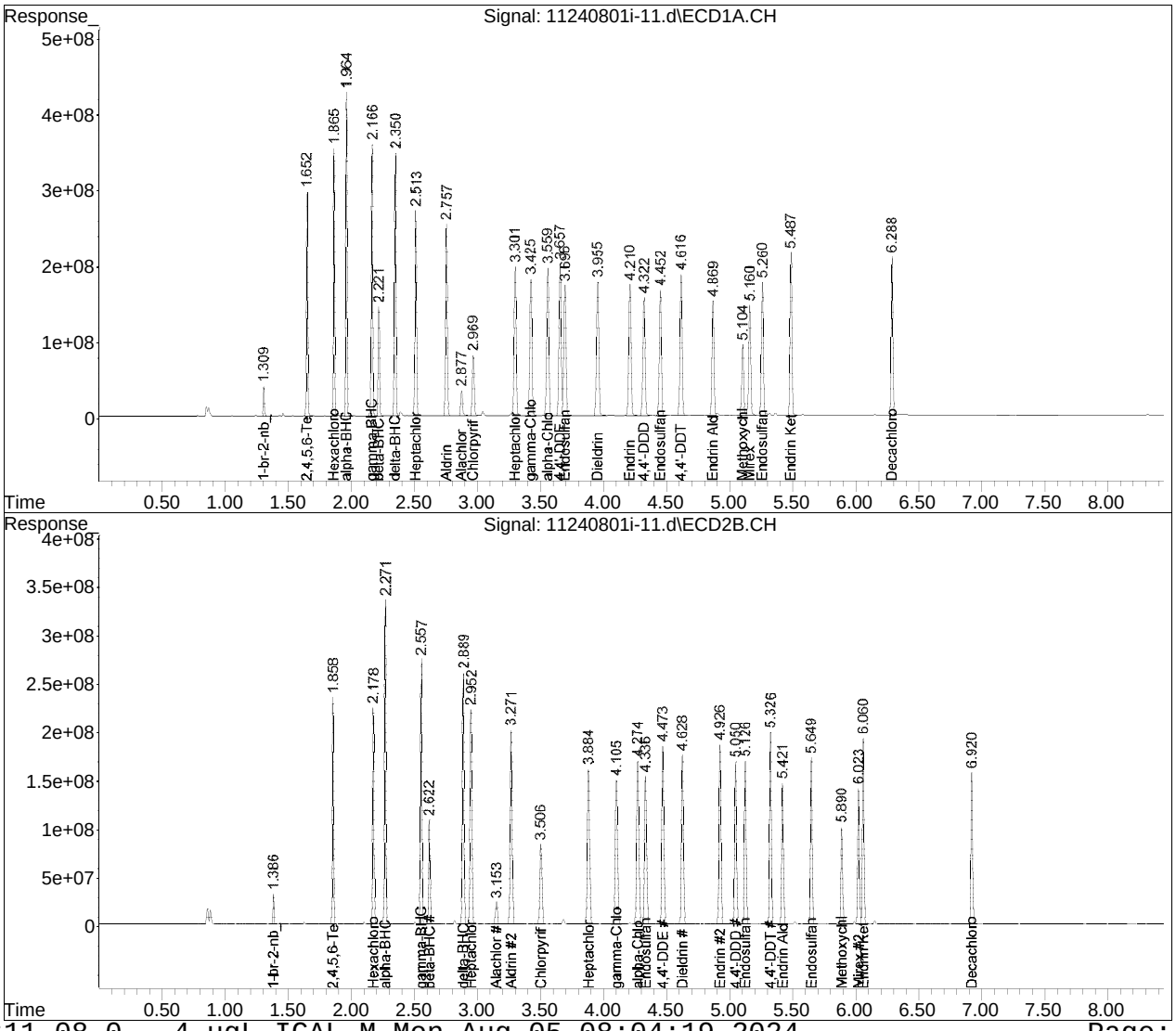
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:12
Operator : PEST11:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:29:32 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

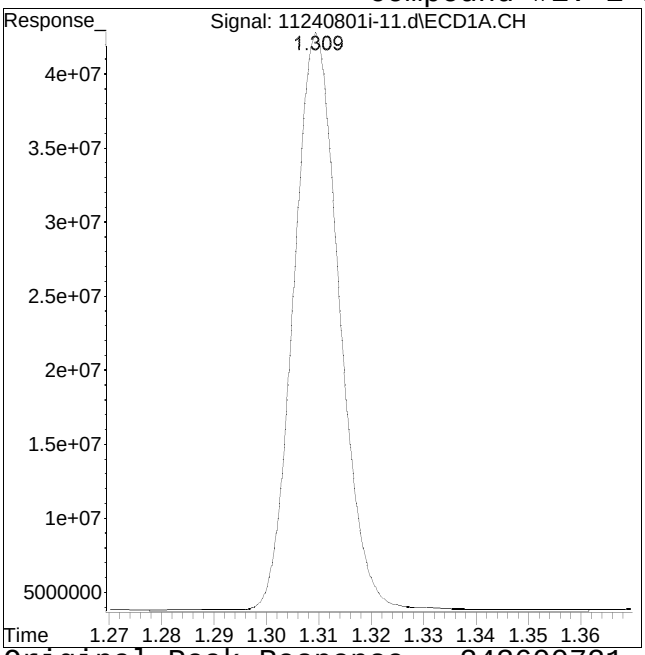
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

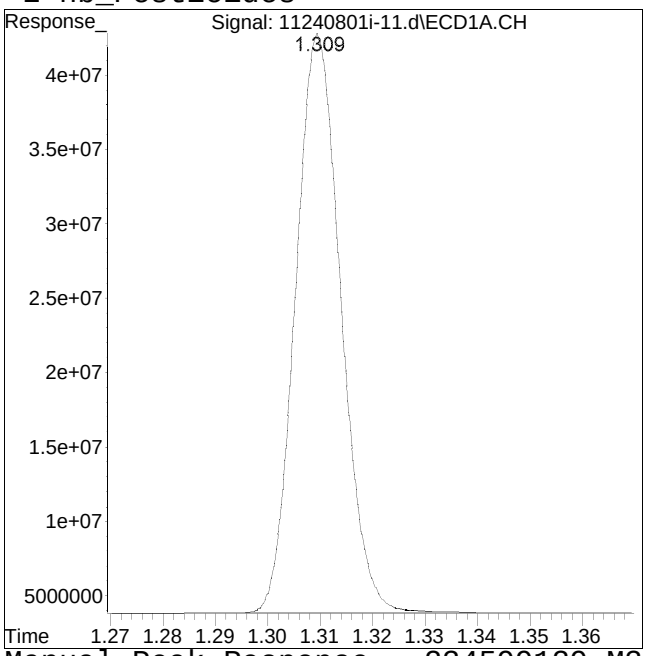


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #1: 1-br-2-nb_Pesticides





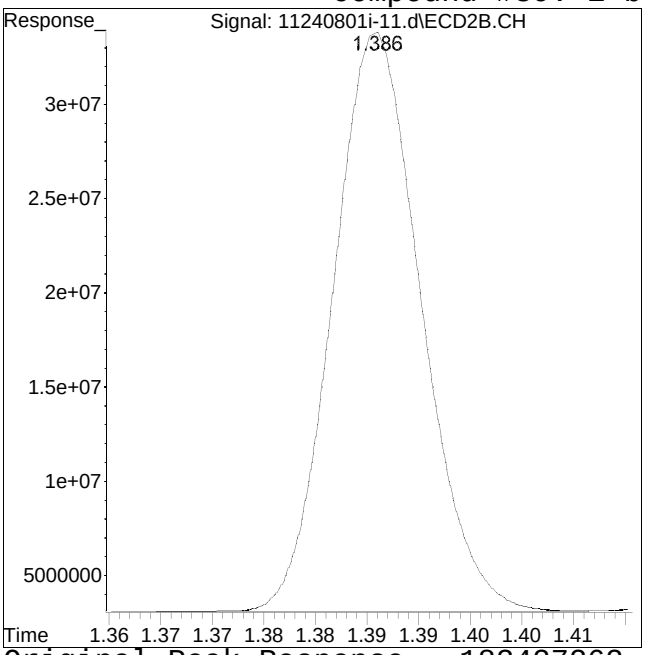
Original Peak Response = 243600721 Manual Peak Response = 234599129 M3

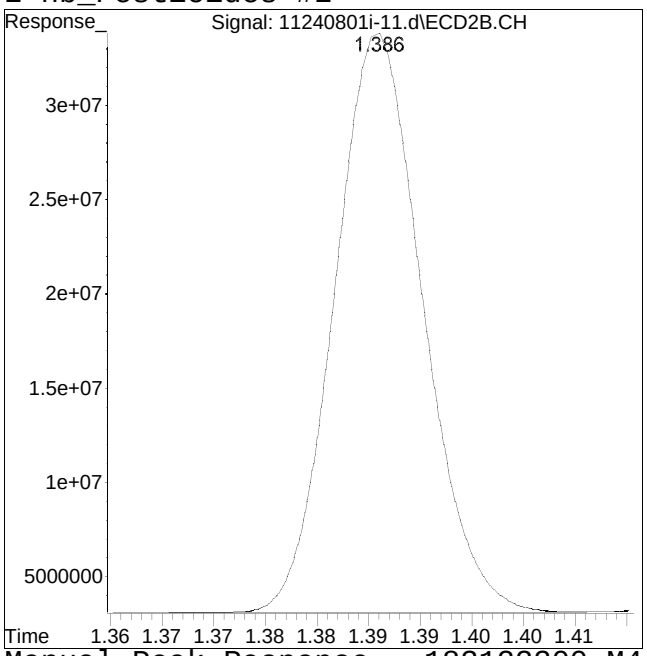
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #39: 1-br-2-nb_Pesticides #2



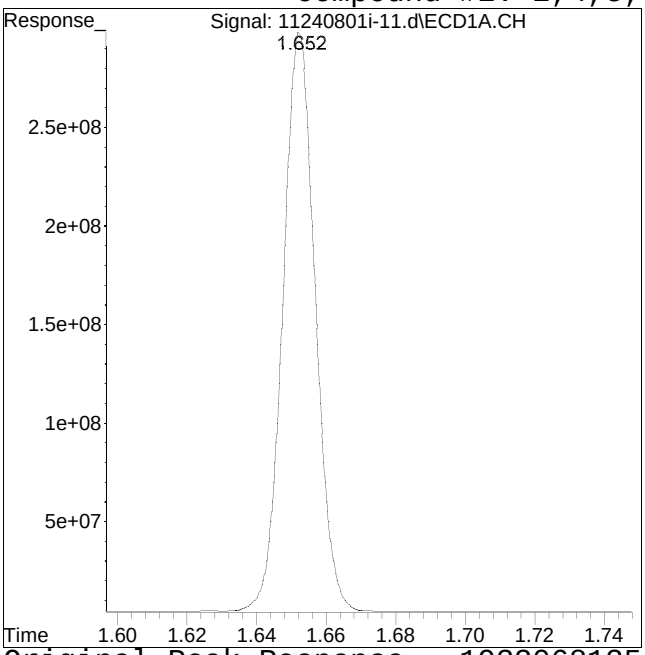


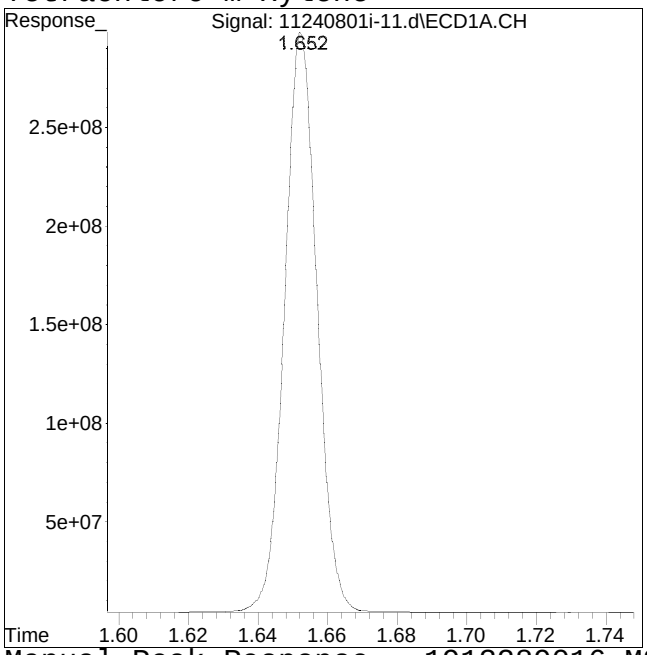
Original Peak Response = 183427262 Manual Peak Response = 183123300 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





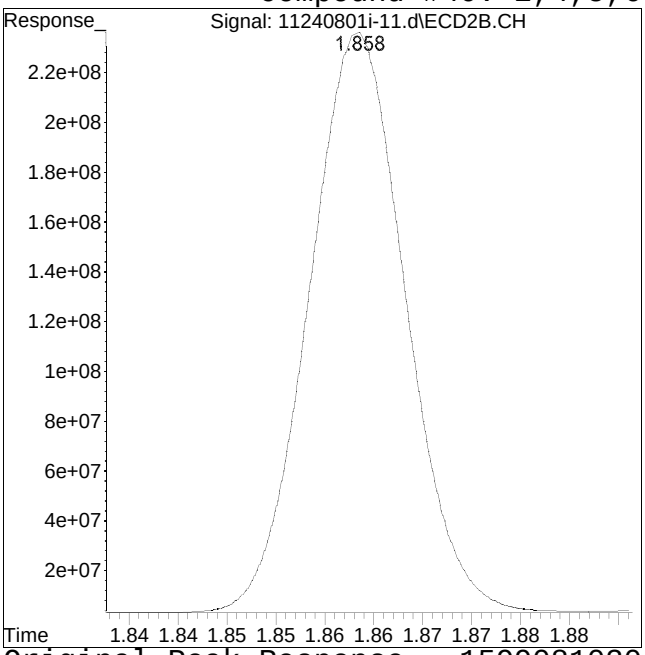
Original Peak Response = 1933068135 Manual Peak Response = 1913289016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

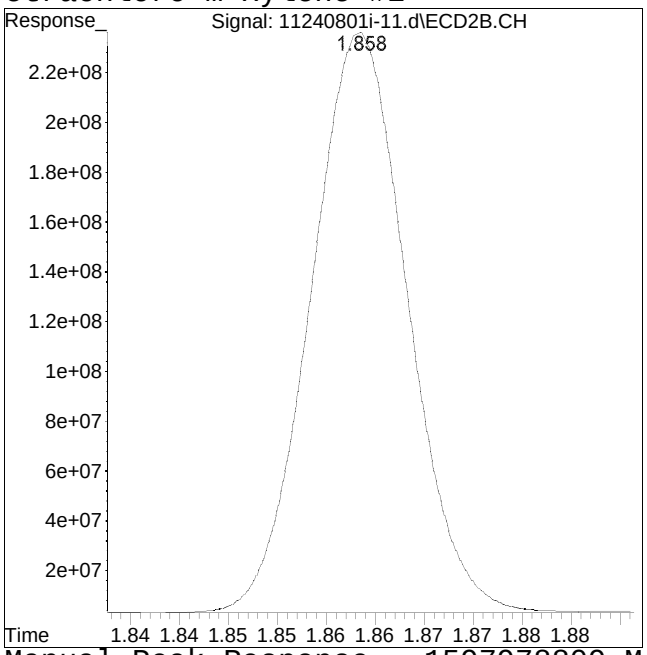
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



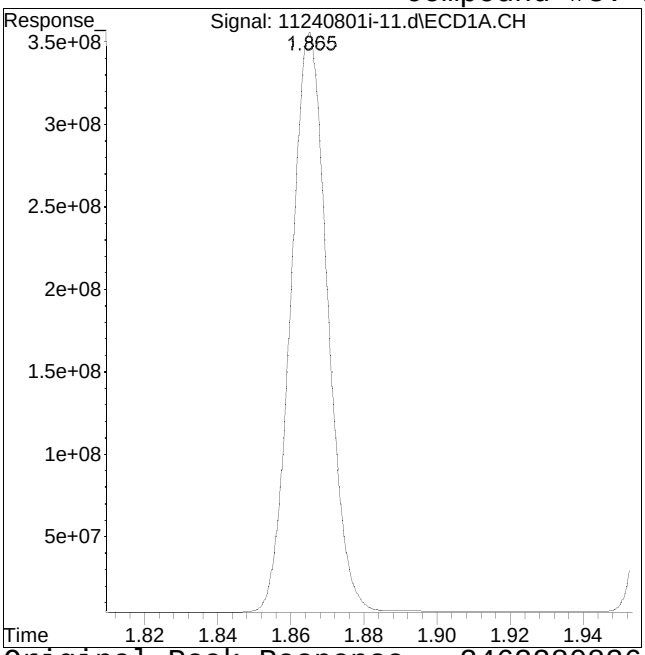


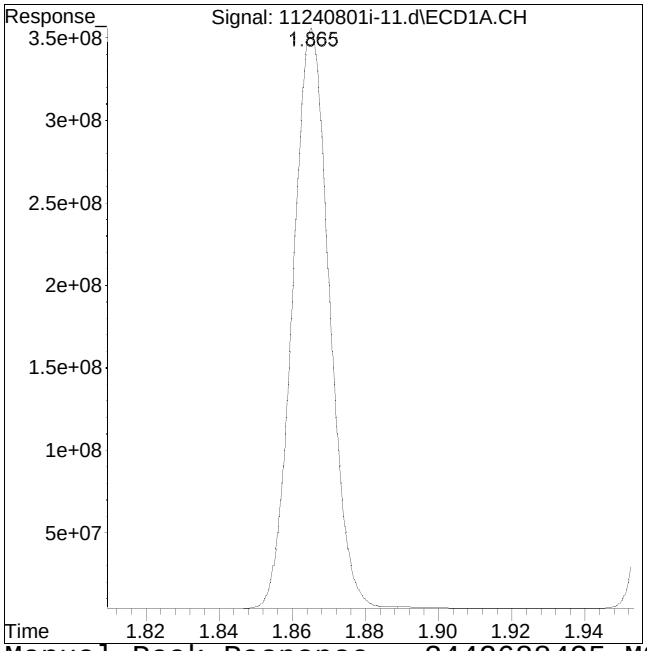
Original Peak Response = 1599081030 Manual Peak Response = 1597978809 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #3: Hexachlorobenzene



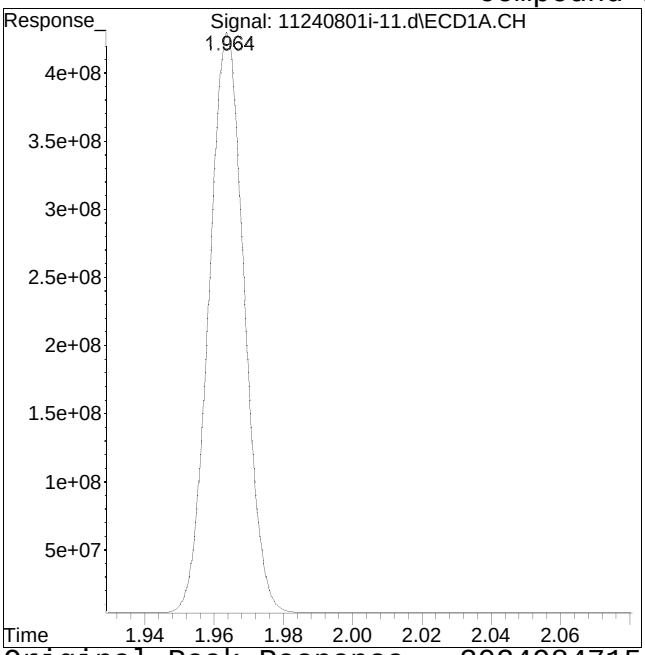


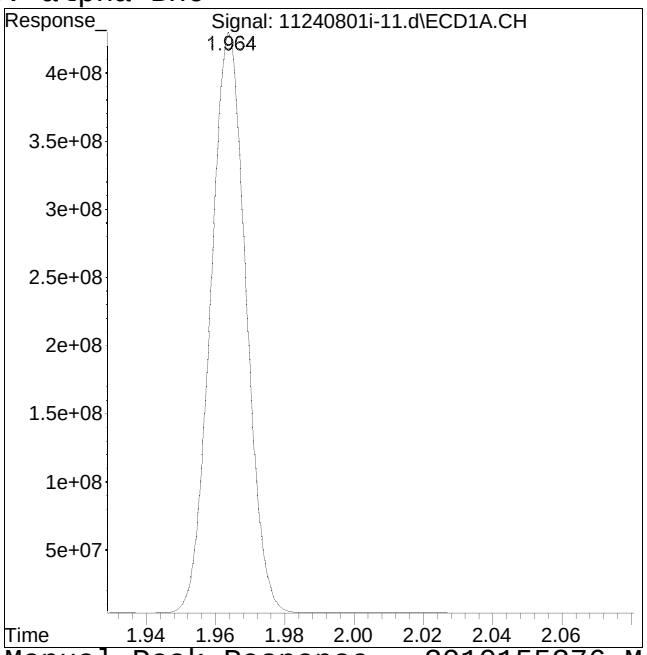
Original Peak Response = 2463280836 Manual Peak Response = 2442688435 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #4: alpha-BHC



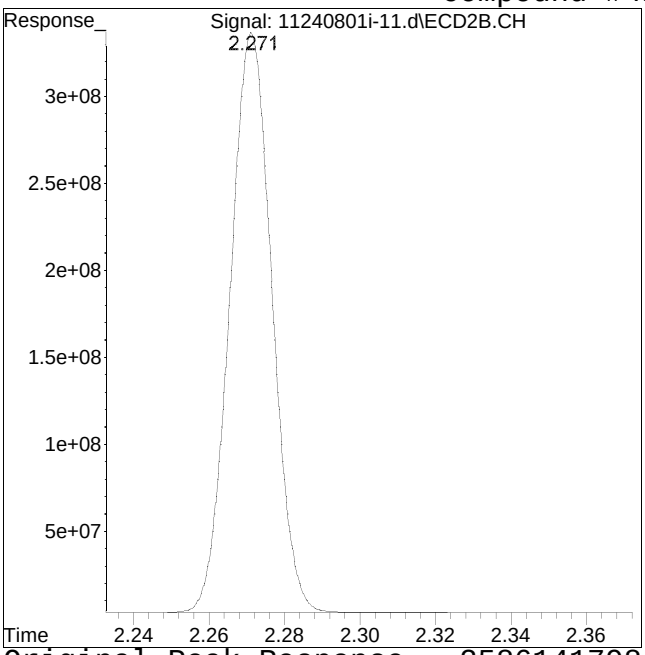


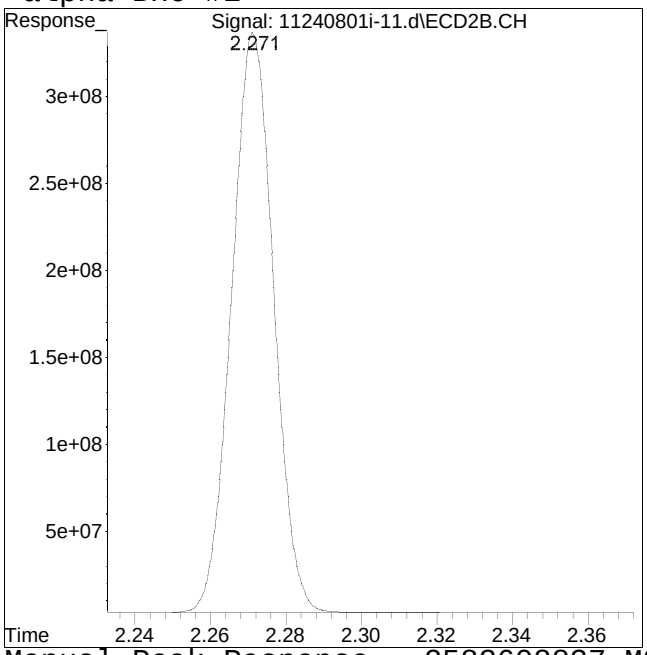
Original Peak Response = 3024984715 Manual Peak Response = 3010155376 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #42: alpha-BHC #2





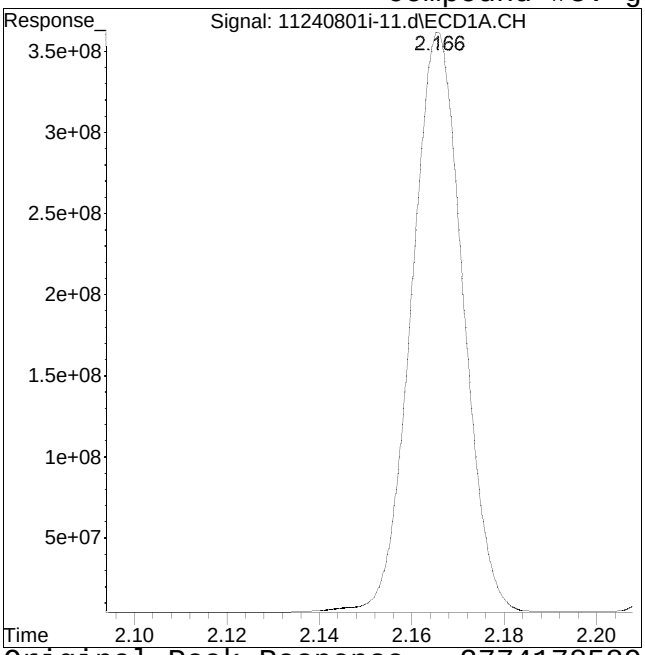
Original Peak Response = 2586141798 Manual Peak Response = 2583608837 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

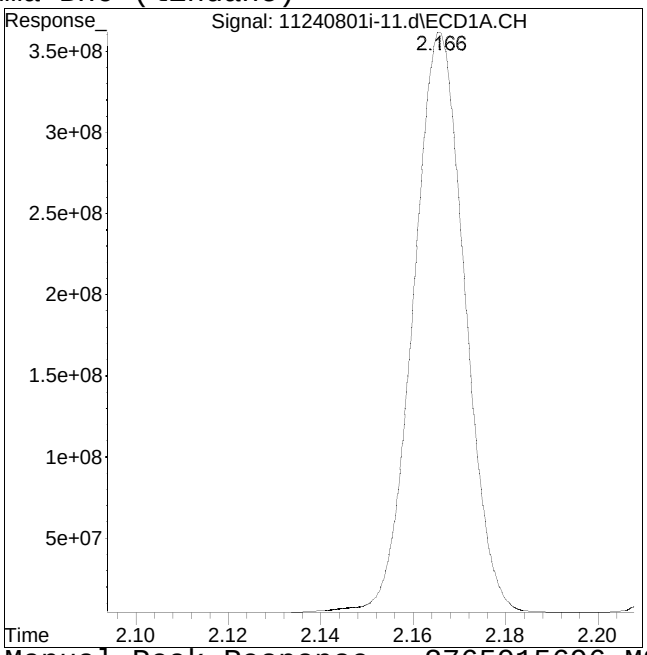
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #5: gamma-BHC (lindane)



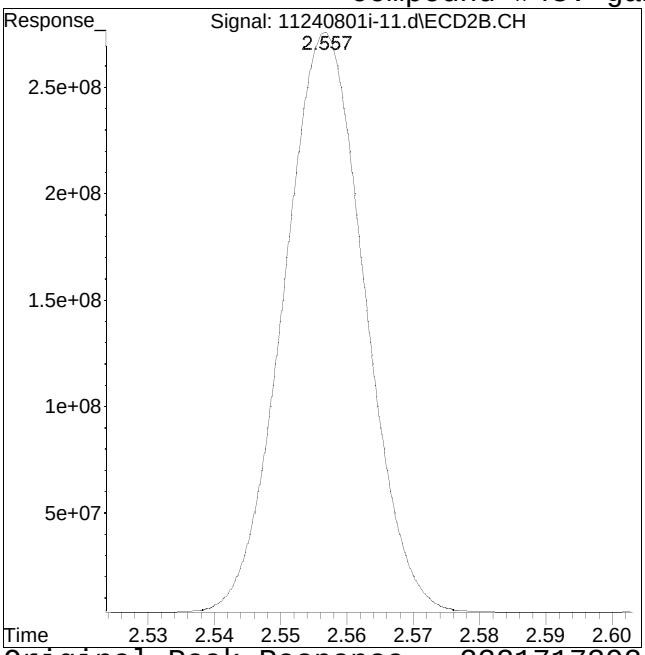


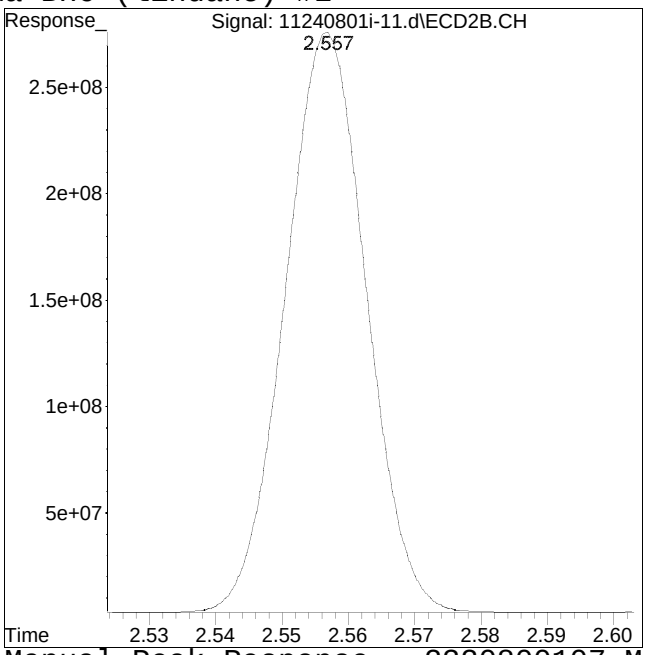
Original Peak Response = 2774178589 Manual Peak Response = 2765015696 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #43: gamma-BHC (lindane) #2



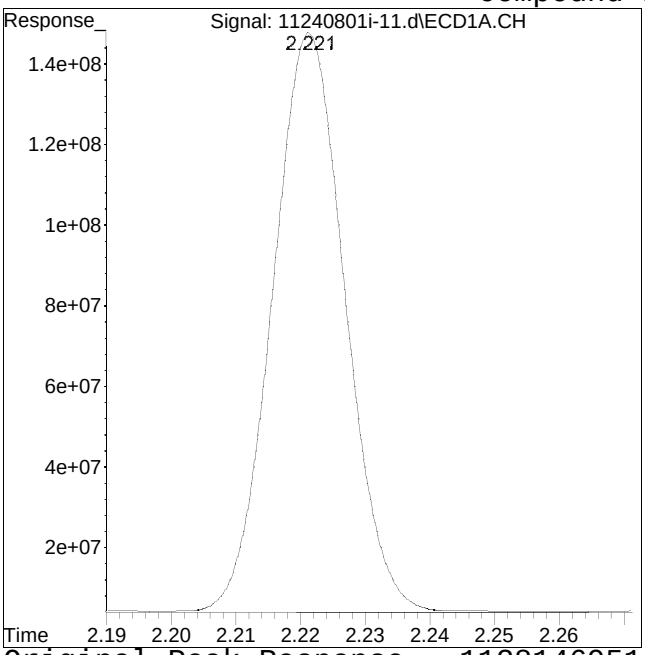


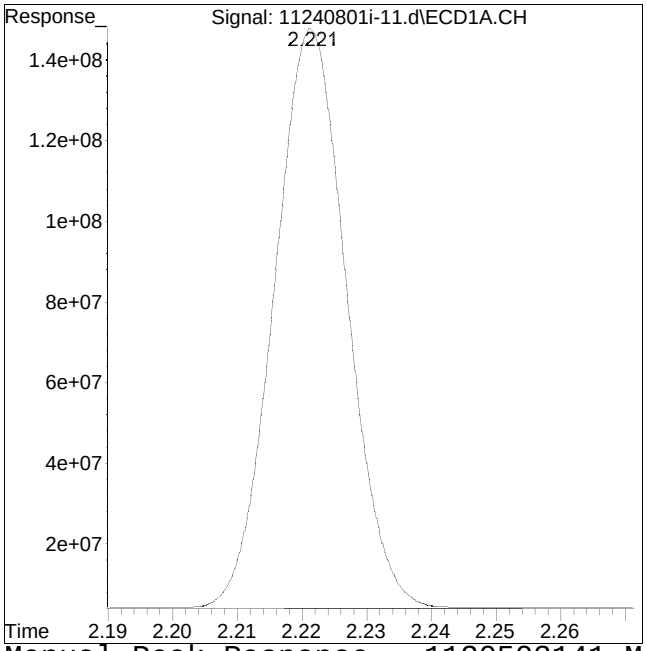
Original Peak Response = 2321717392 Manual Peak Response = 2320800107 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #6: beta-BHC



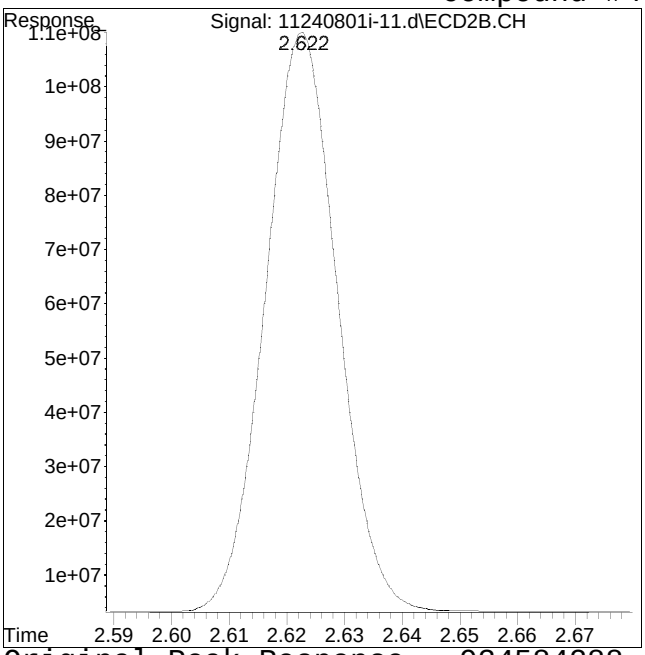


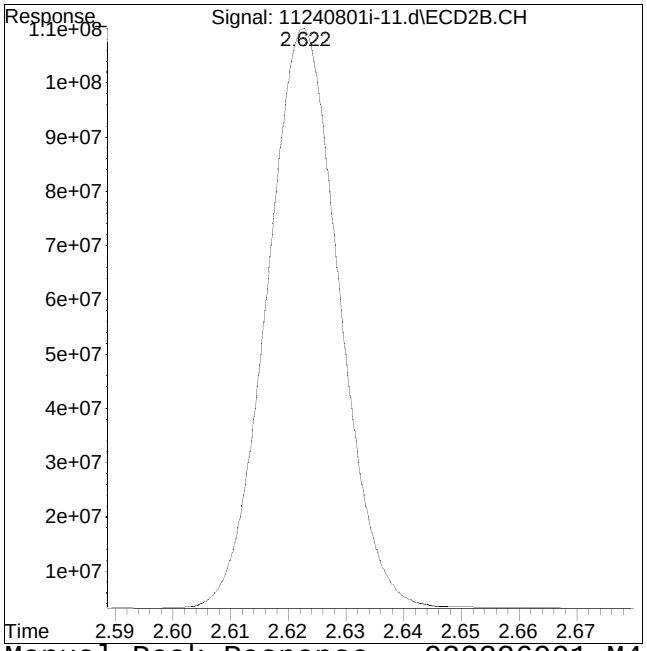
Original Peak Response = 1128146951 Manual Peak Response = 1120503141 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #44: beta-BHC #2





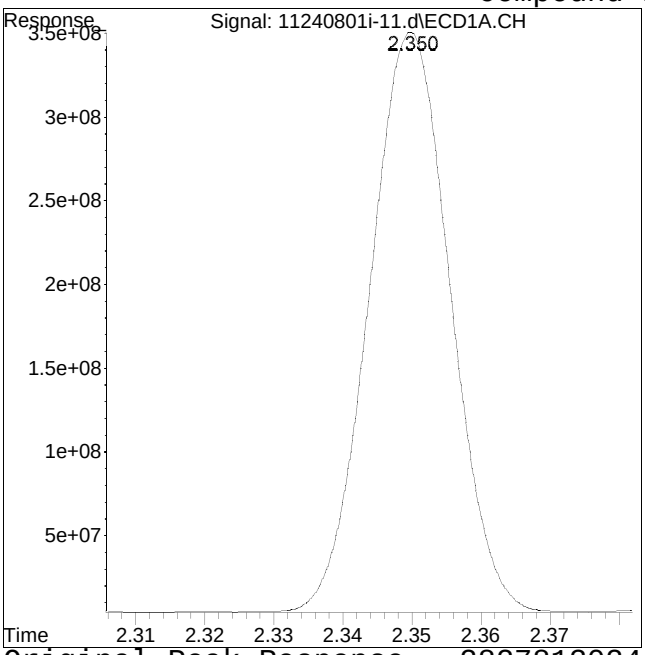
Original Peak Response = 934584288 Manual Peak Response = 933326991 M4
M4 = Poor automated baseline construction.

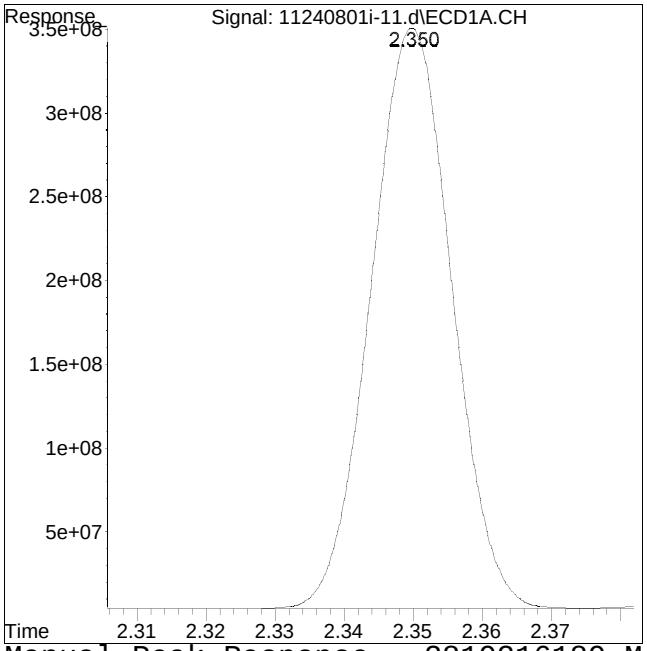
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #7: delta-BHC





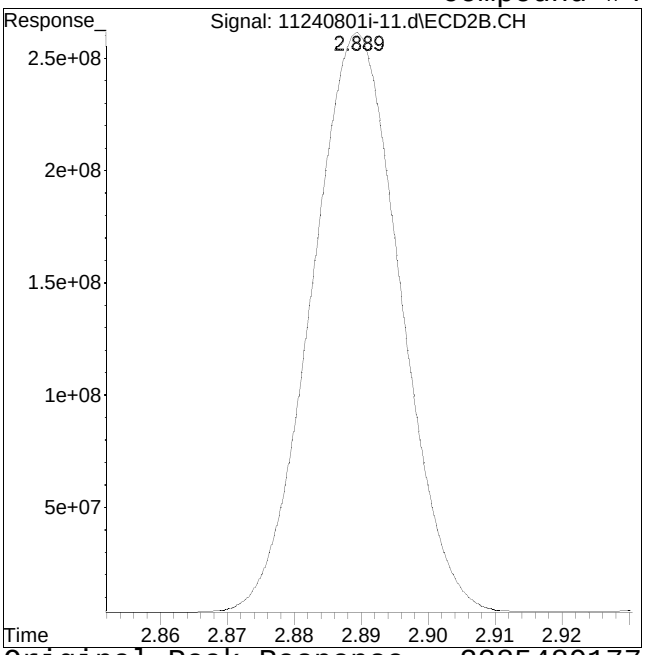
Original Peak Response = 2827813024 Manual Peak Response = 2819216189 M4
M4 = Poor automated baseline construction.

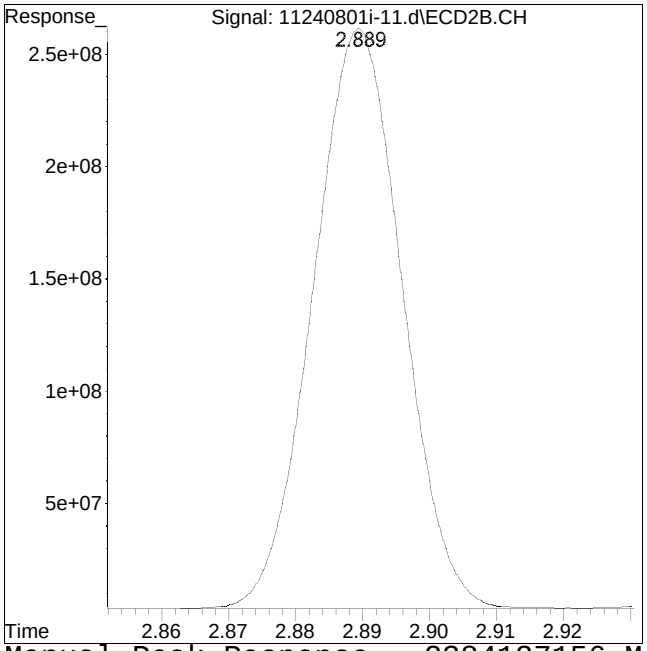
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #45: delta-BHC #2





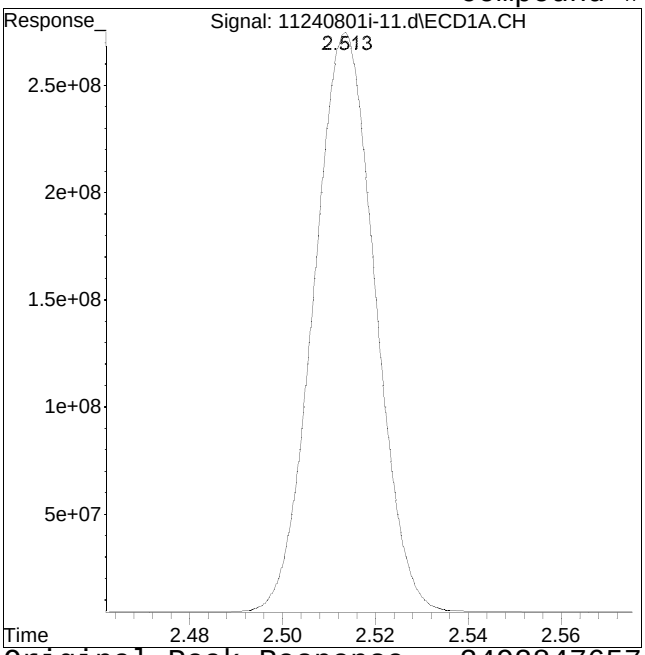
Original Peak Response = 2385489177 Manual Peak Response = 2384127156 M4
M4 = Poor automated baseline construction.

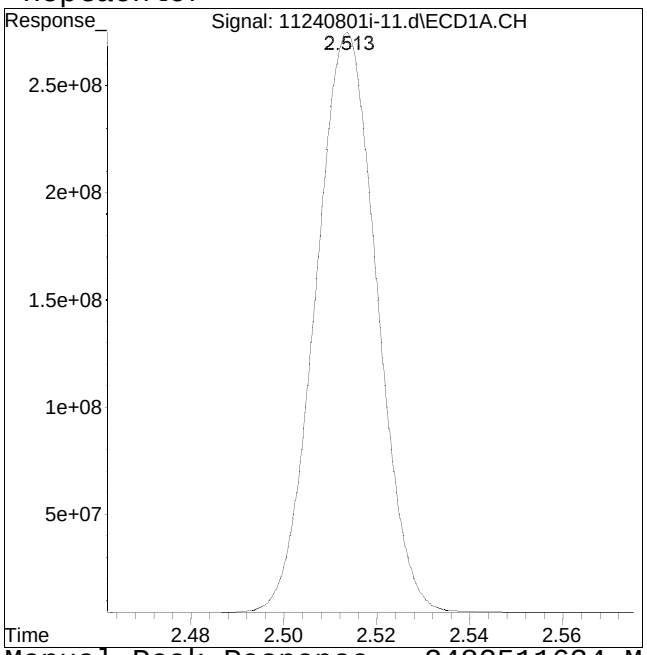
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #8: Heptachlor





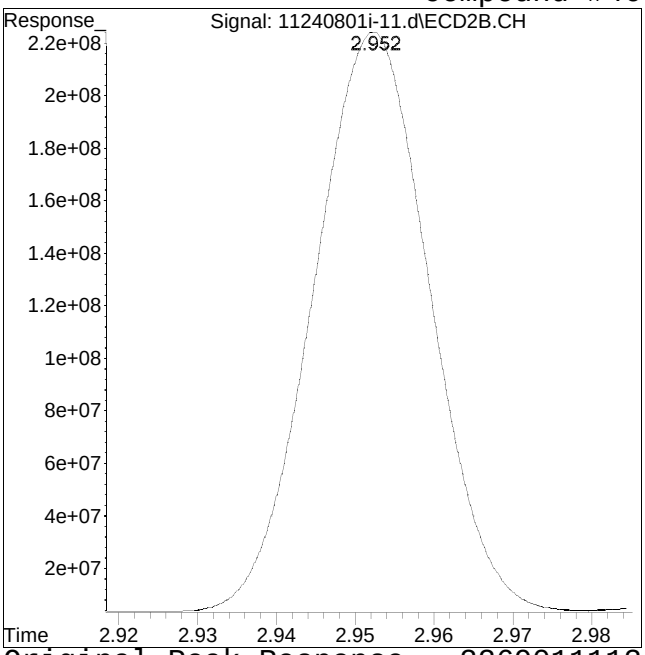
Original Peak Response = 2492847657 Manual Peak Response = 2482511634 M4
M4 = Poor automated baseline construction.

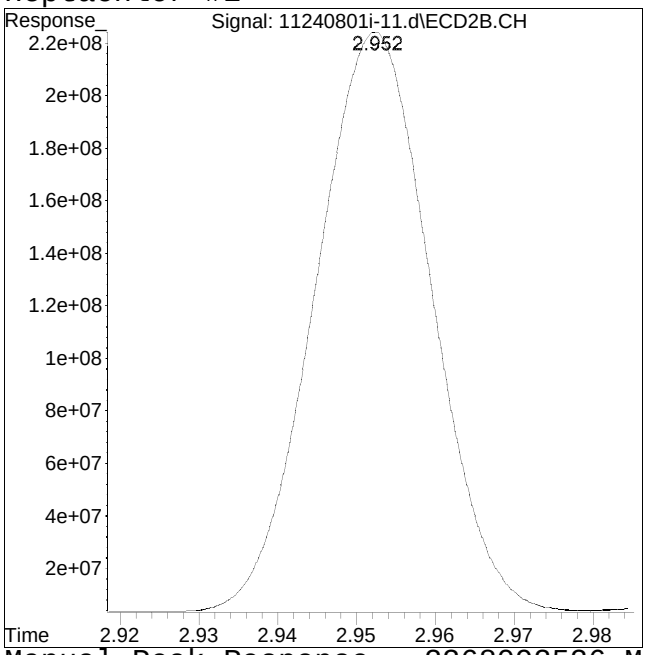
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #46: Heptachlor #2





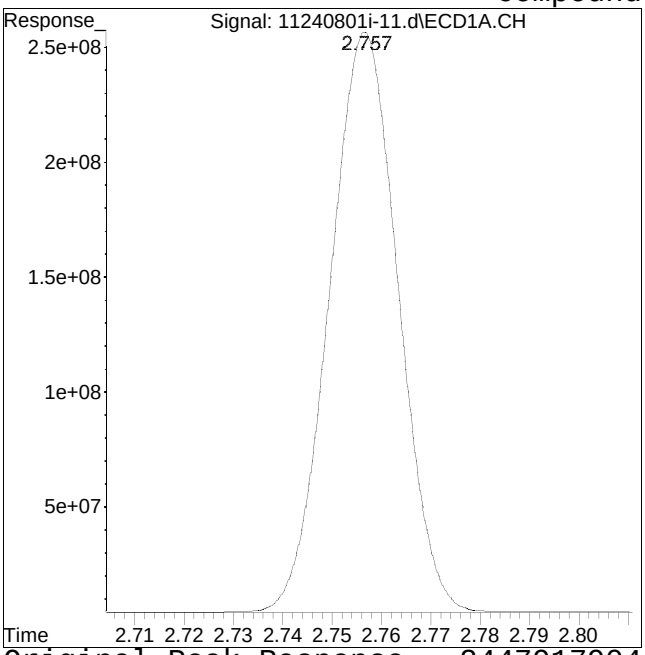
Original Peak Response = 2269011113 Manual Peak Response = 2268092526 M4
M4 = Poor automated baseline construction.

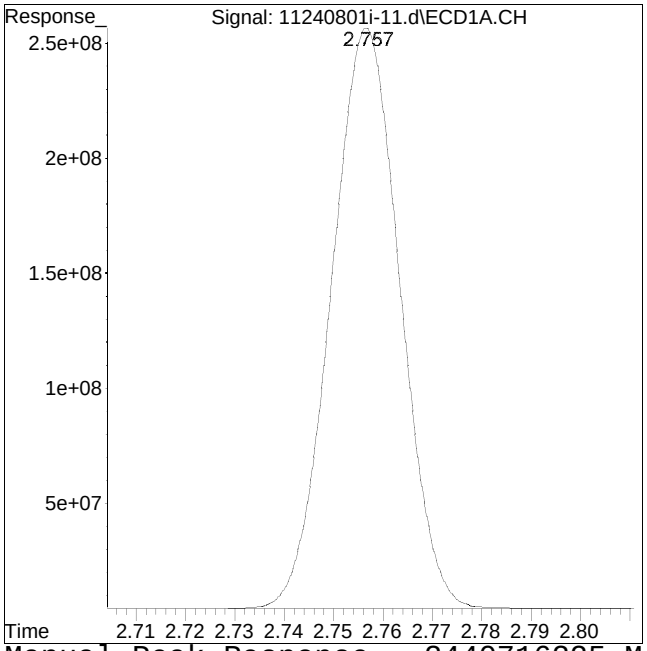
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #9: Aldrin



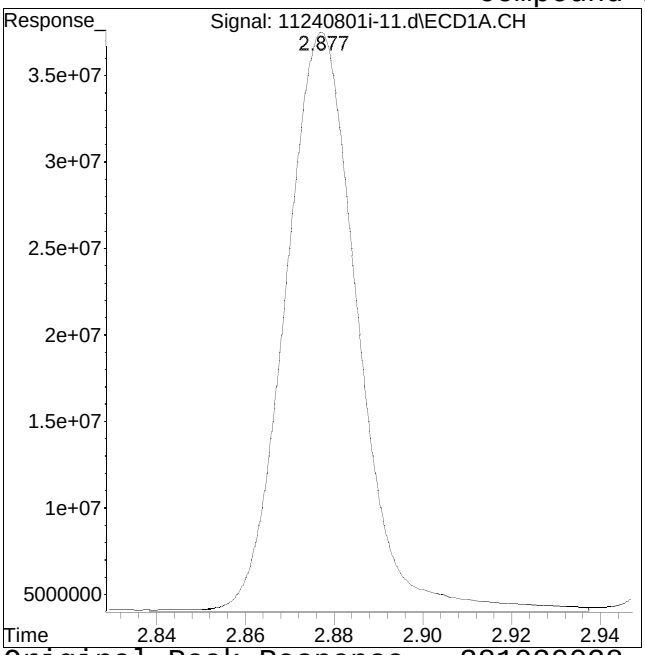


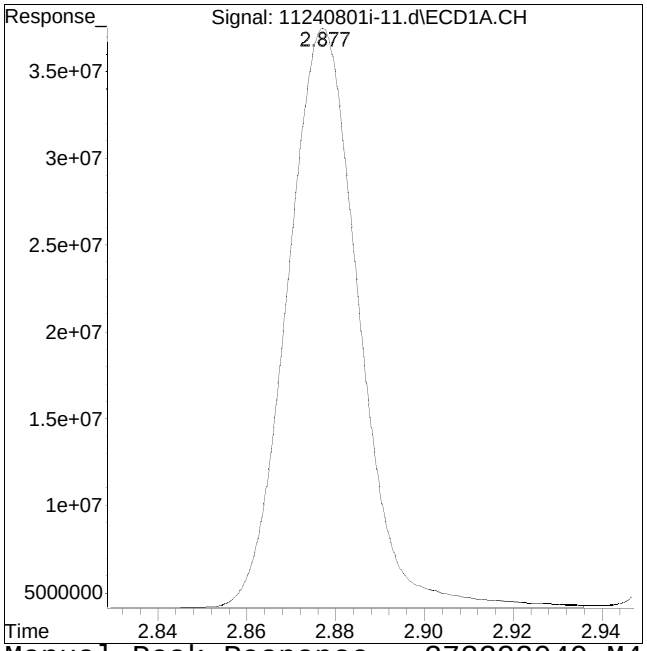
Original Peak Response = 2447917904 Manual Peak Response = 2440716225 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-11.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:12 Instrument : Pest 11
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/2/2024 9:29 am

Compound #10: Alachlor





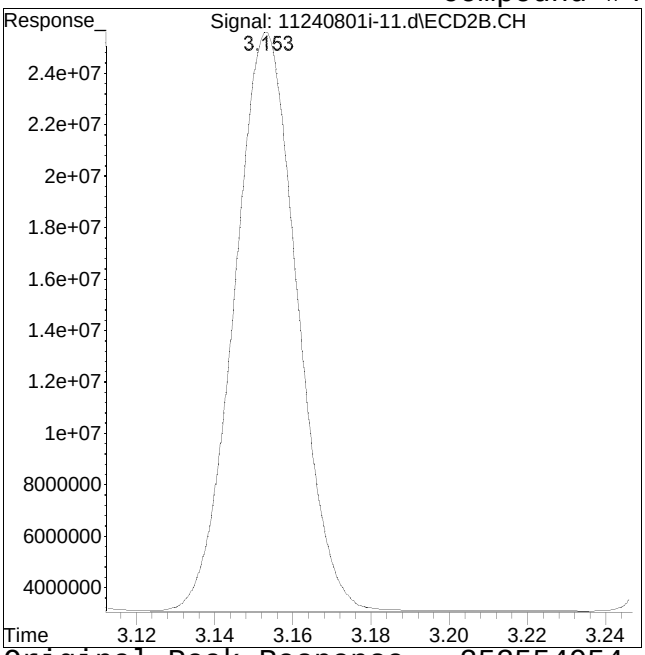
Original Peak Response = 381020028 Manual Peak Response = 373332040 M4
M4 = Poor automated baseline construction.

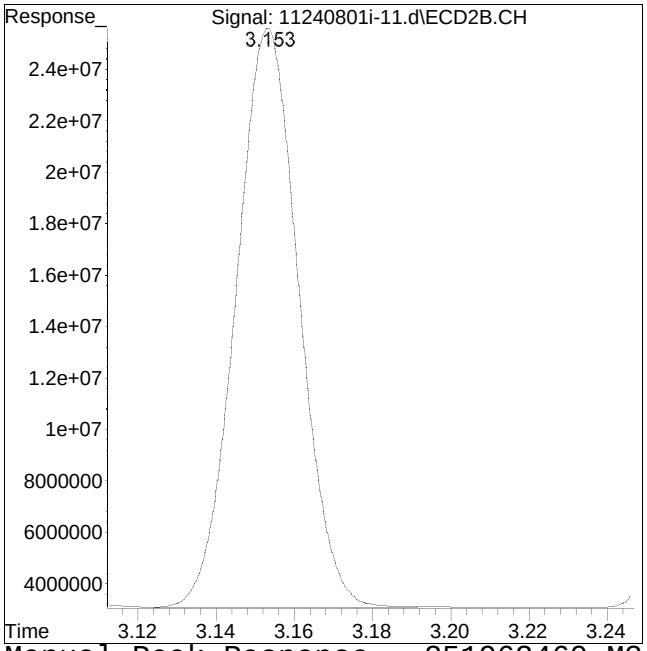
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #48: Alachlor #2





Original Peak Response = 253554954 Manual Peak Response = 251963460 M3

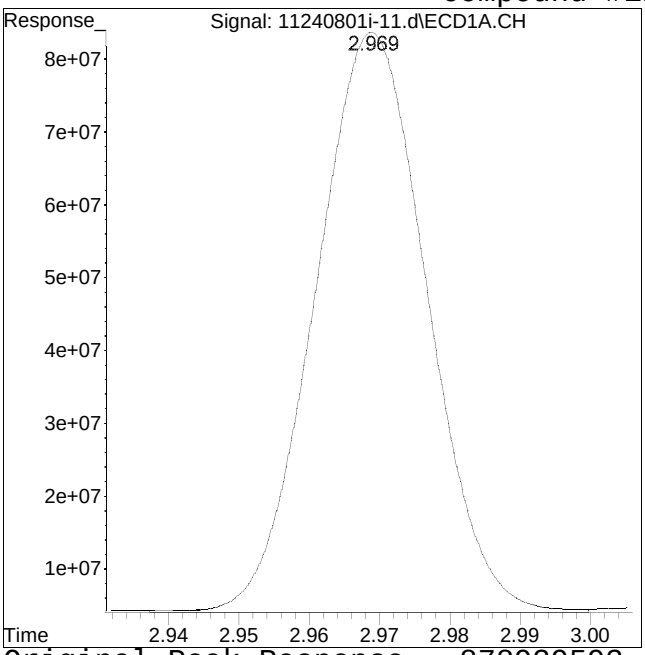
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

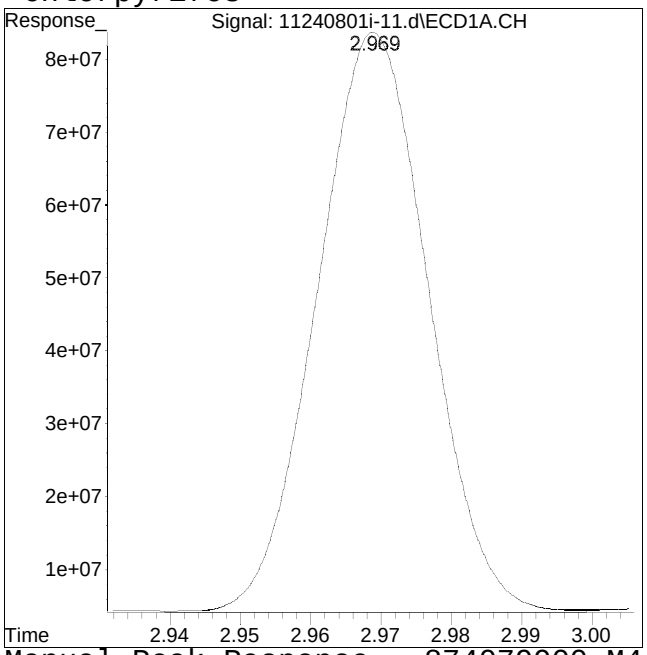
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #11: Chlorpyrifos



Original Peak Response = 878939593



Manual Peak Response = 874079900 M4

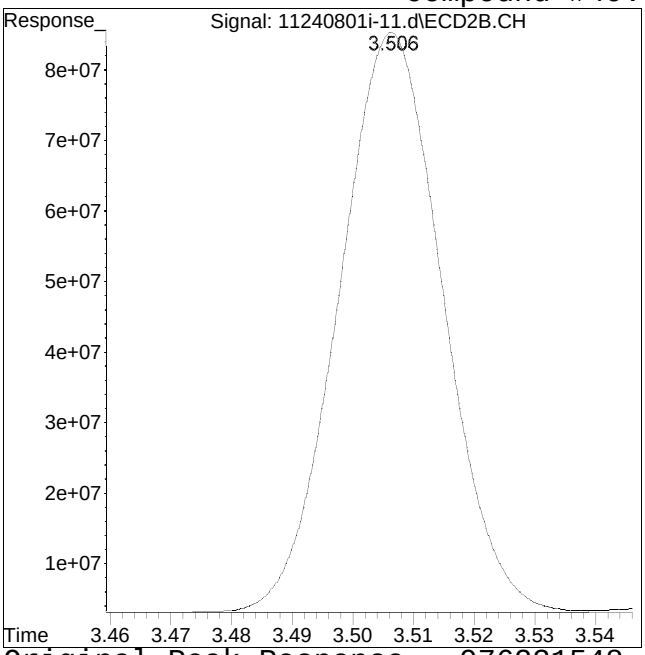
M4 = Poor automated baseline construction.

Manual Integration Report

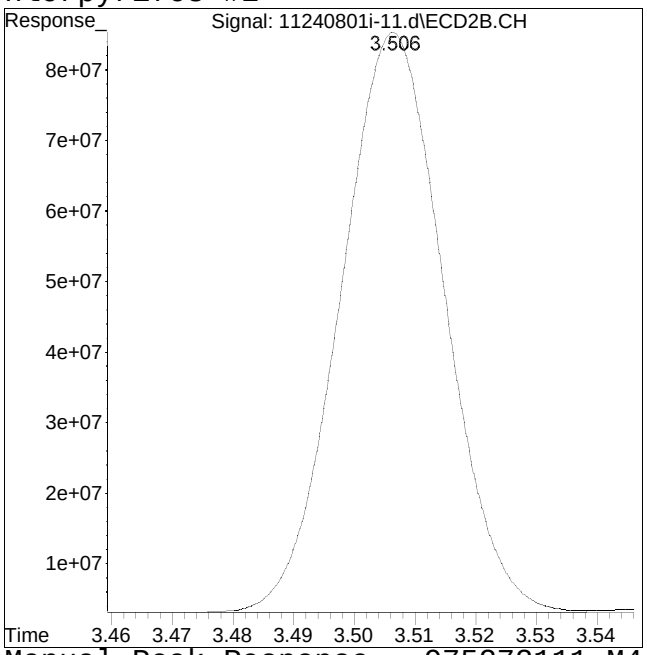
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 976231548



Manual Peak Response = 975272111 M4

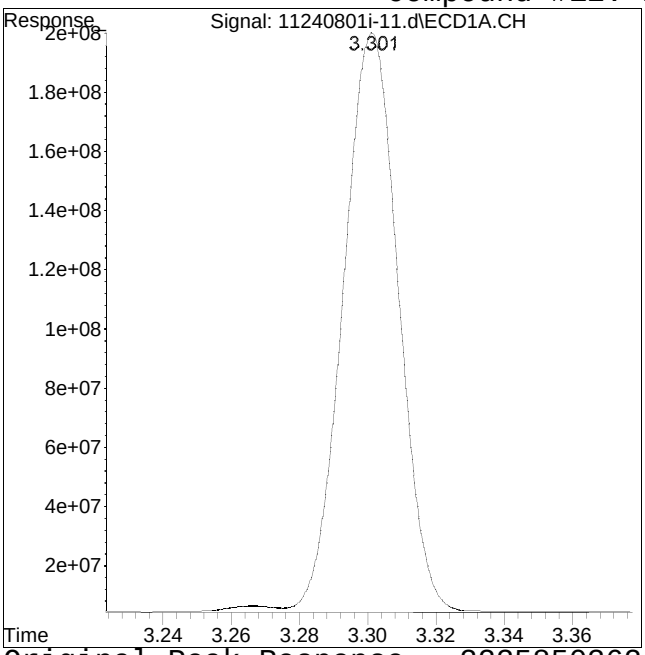
M4 = Poor automated baseline construction.

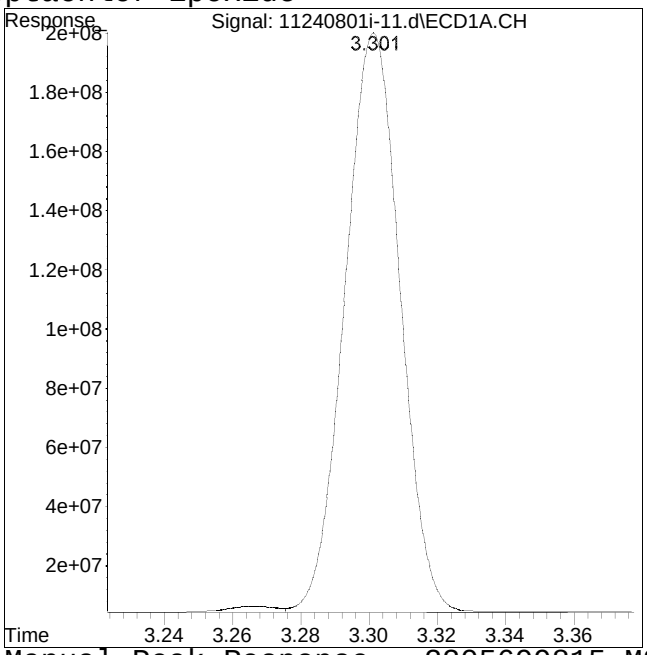
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #12: Heptachlor Epoxide





Original Peak Response = 2235850362 Manual Peak Response = 2205699815 M3

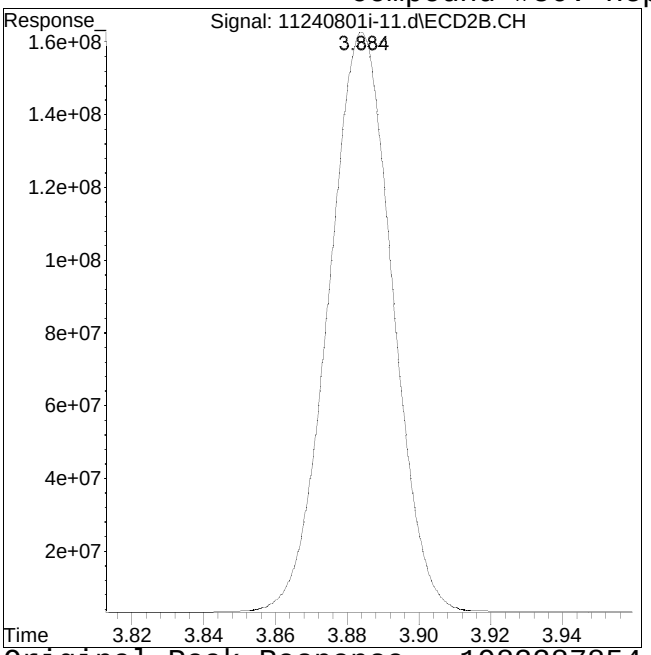
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

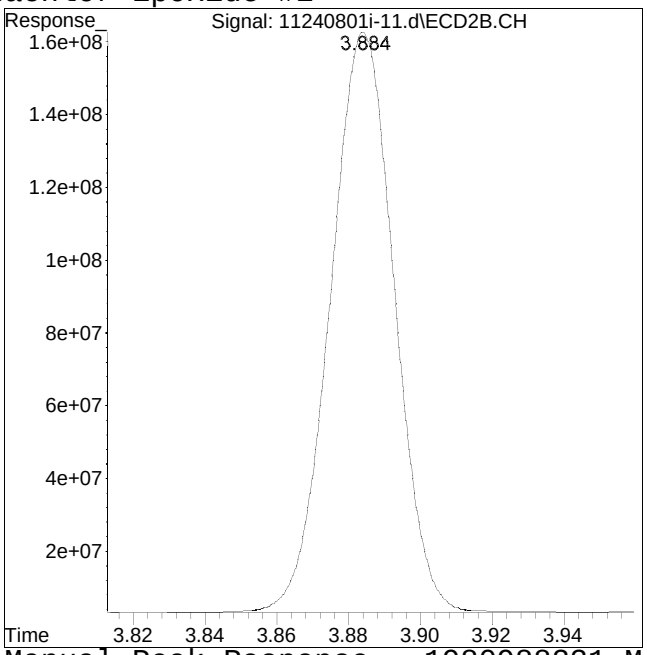
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 1983387854



Manual Peak Response = 1980988231 M4

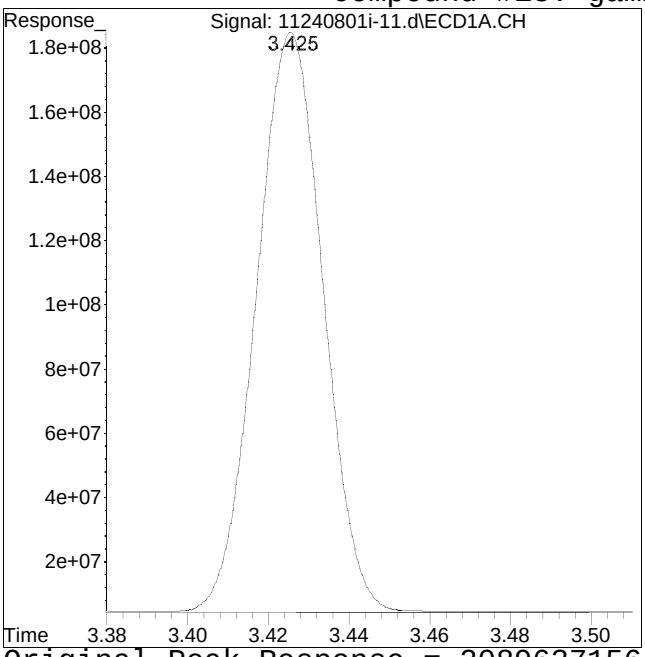
M4 = Poor automated baseline construction.

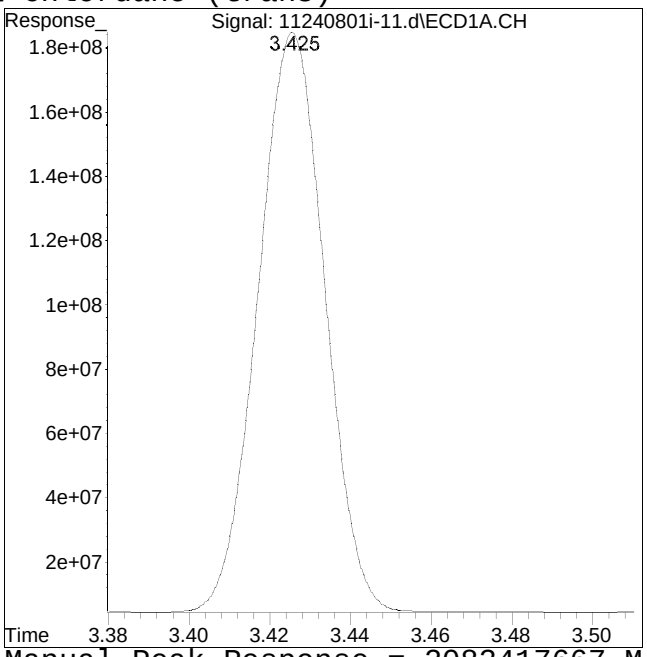
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #13: gamma-Chlordane (trans)



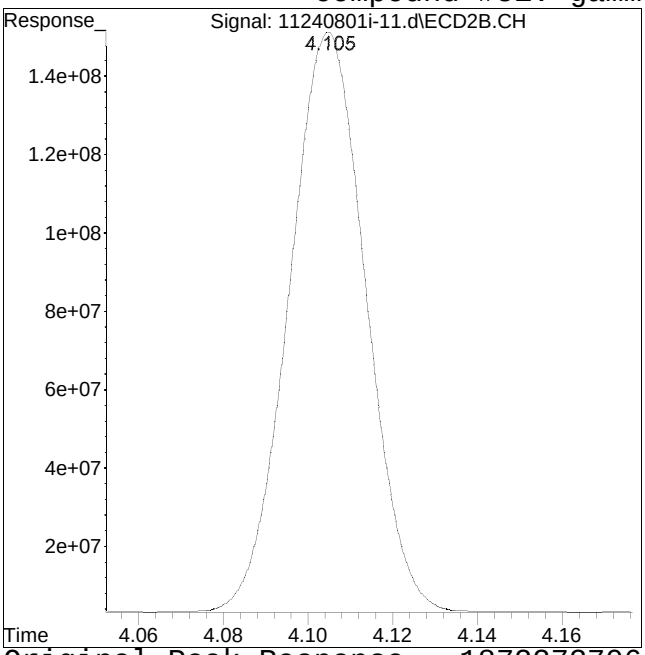


Original Peak Response = 2089637156 Manual Peak Response = 2083417667 M4
M4 = Poor automated baseline construction.

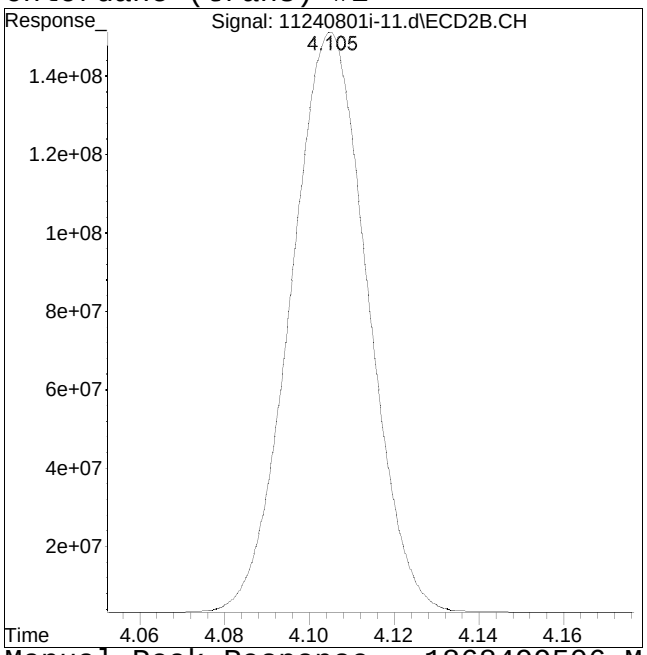
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 1872273706



Manual Peak Response = 1868499506 M4

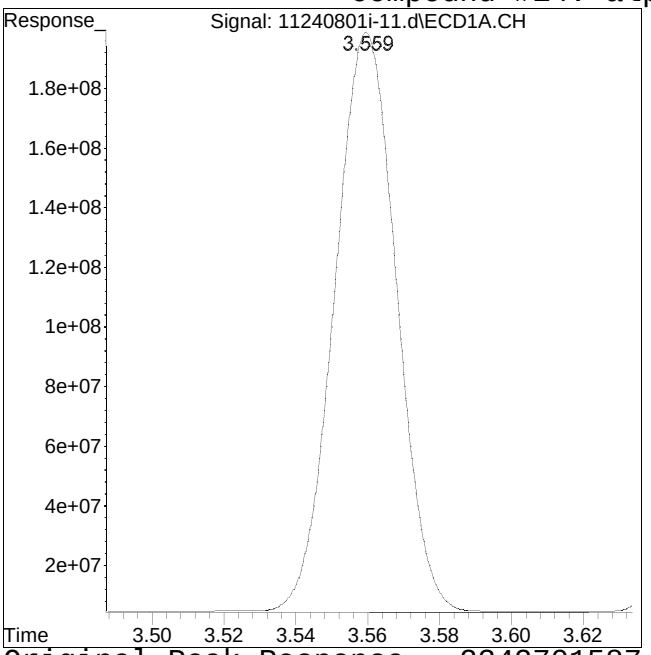
M4 = Poor automated baseline construction.

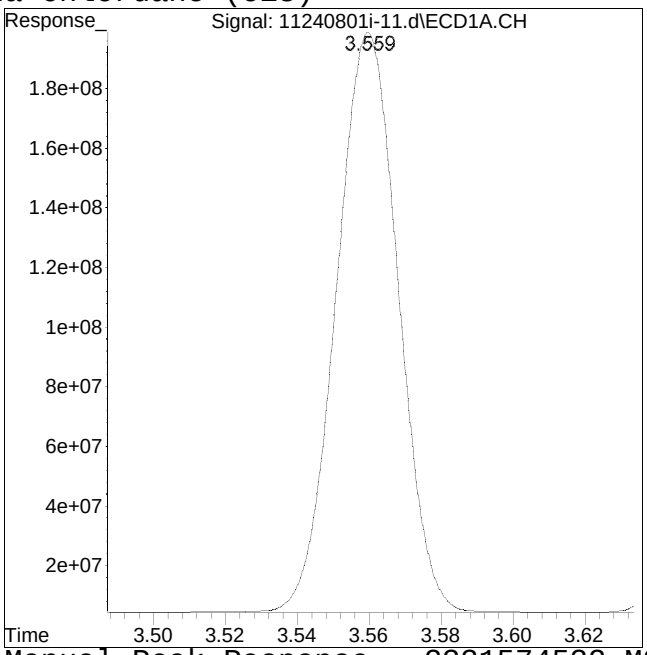
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #14: alpha-Chlordane (cis)





Original Peak Response = 2342701587 Manual Peak Response = 2331574532 M3

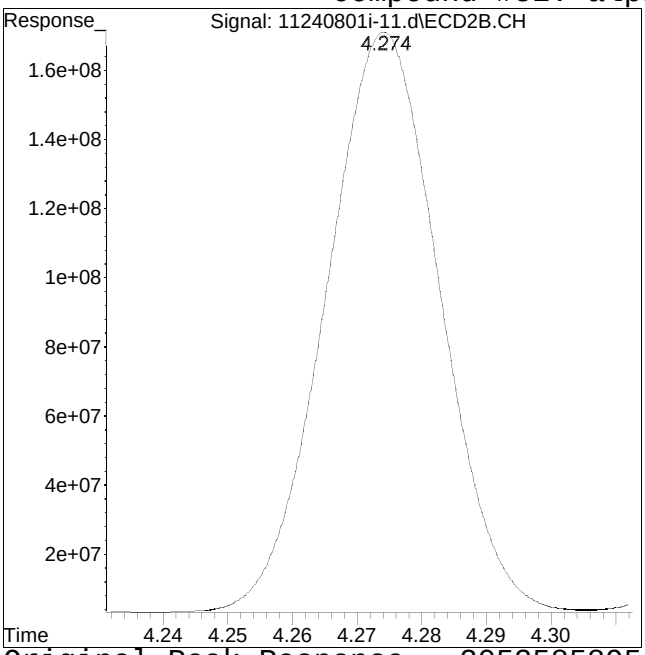
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

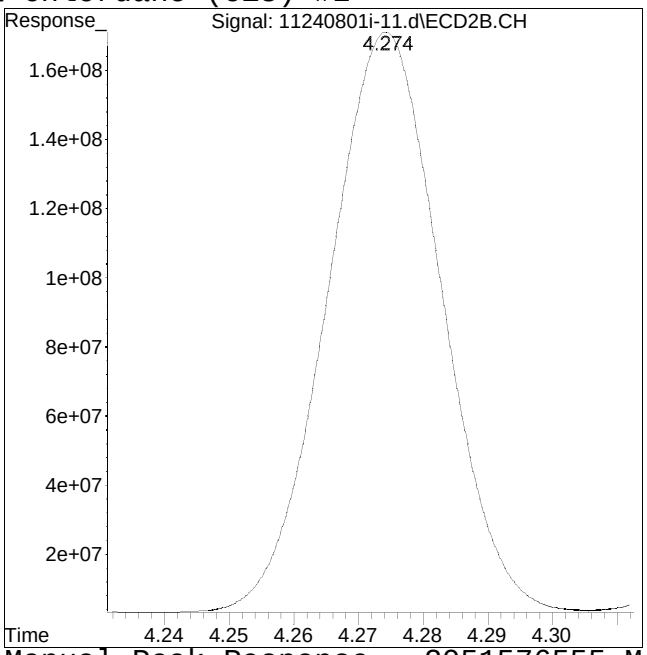
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #52: alpha-Chlordane (cis) #2





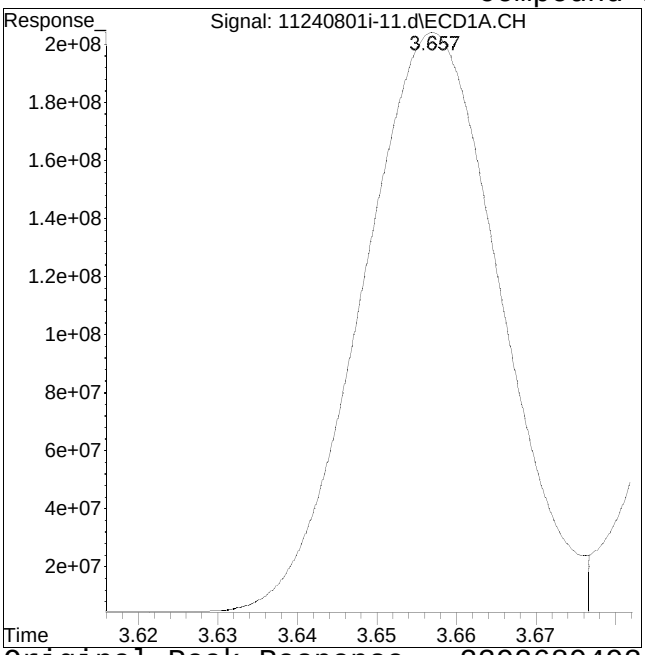
Original Peak Response = 2053585895 Manual Peak Response = 2051576555 M4
M4 = Poor automated baseline construction.

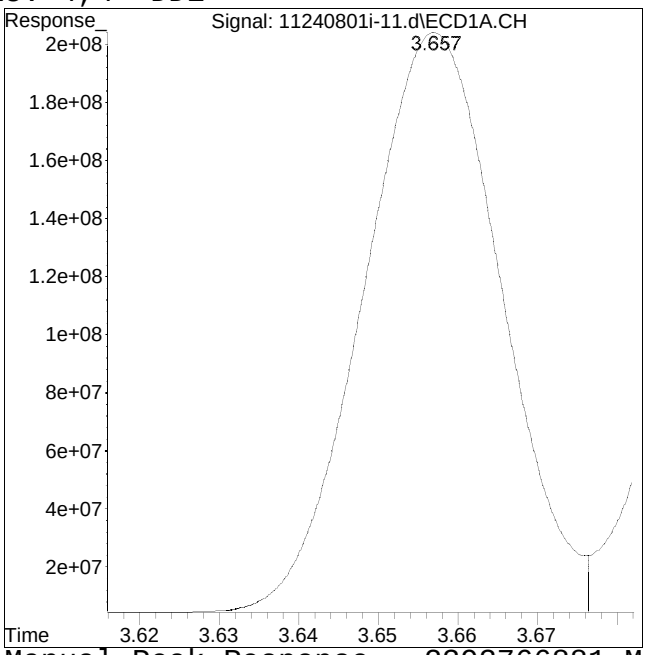
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #15: 4,4'-DDE





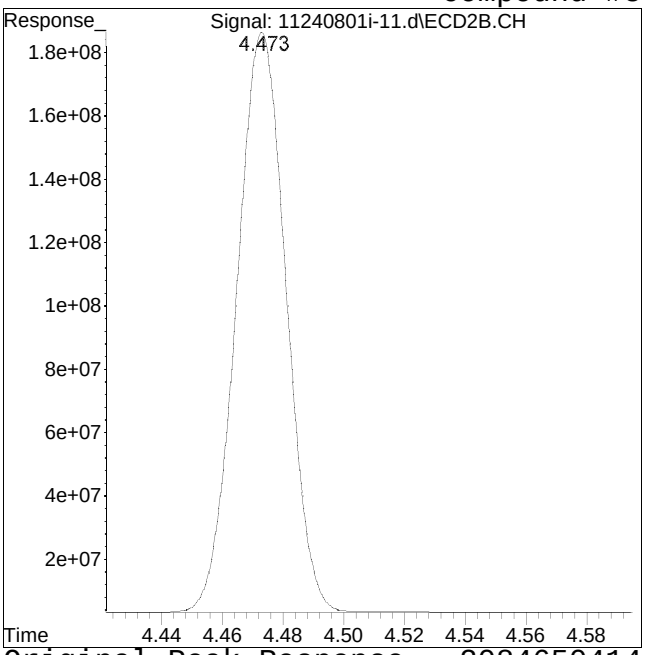
Original Peak Response = 2392689493 Manual Peak Response = 2393766881 M4
M4 = Poor automated baseline construction.

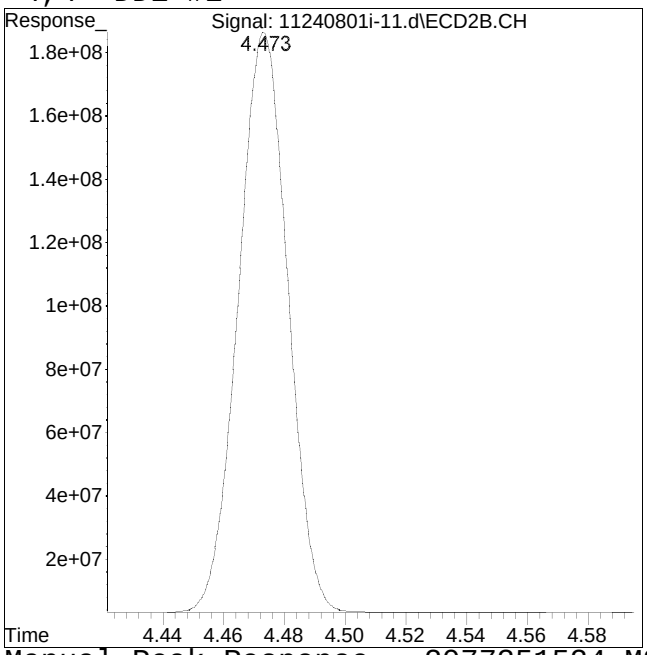
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #53: 4,4'-DDE #2





Original Peak Response = 2084650414 Manual Peak Response = 2077351524 M3

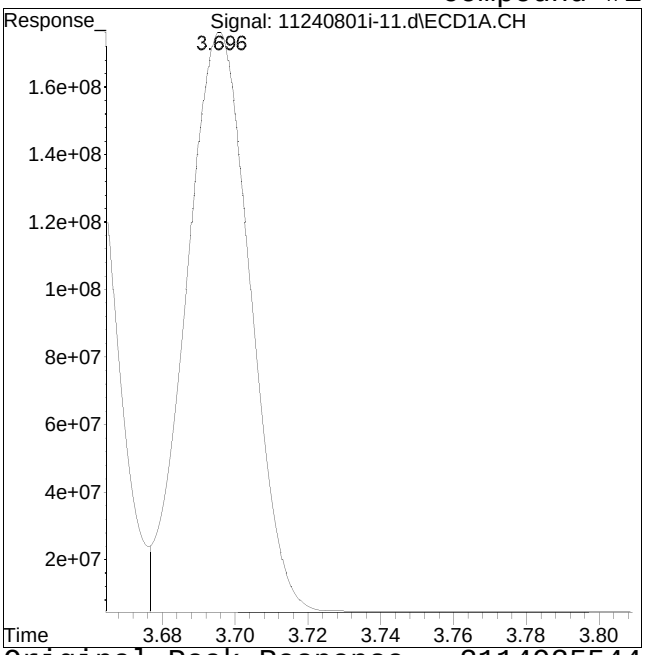
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

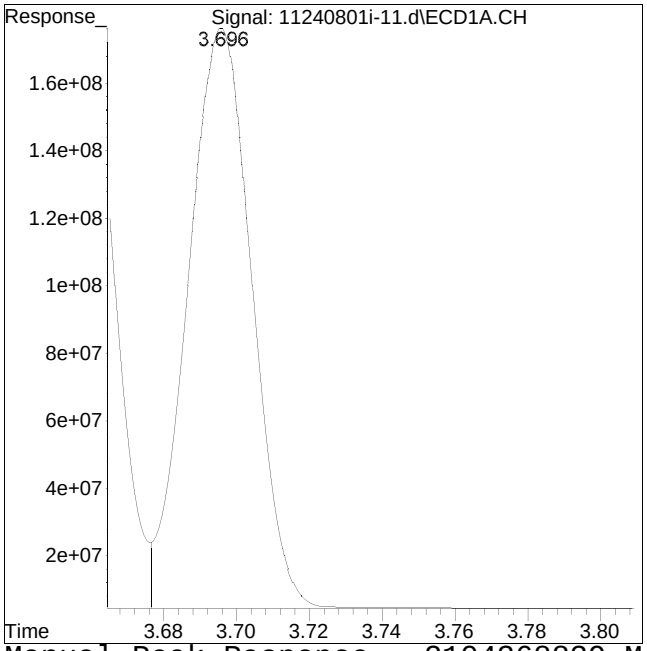
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #16: Endosulfan I



Original Peak Response = 2114925544



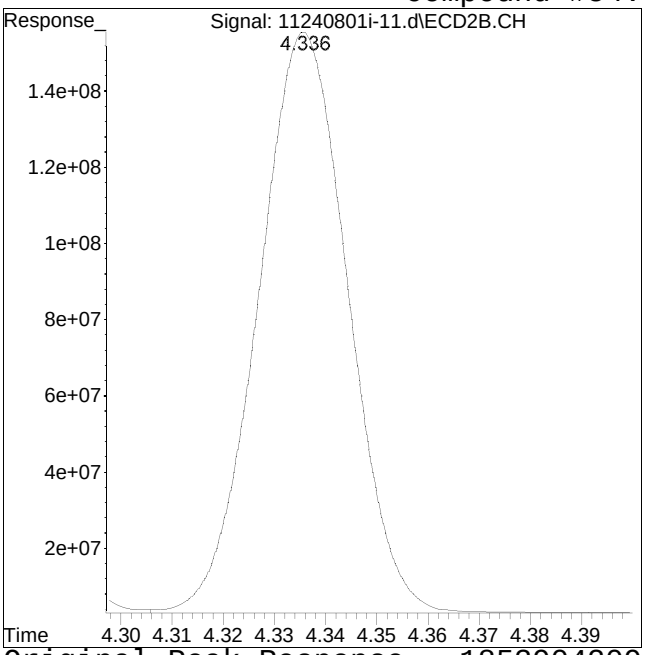
Manual Peak Response = 2104368839 M4

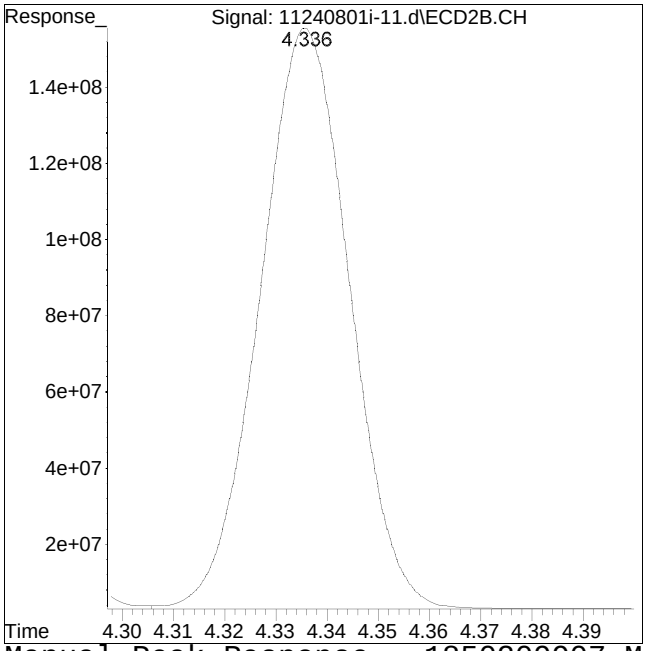
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #54: Endosulfan I #2





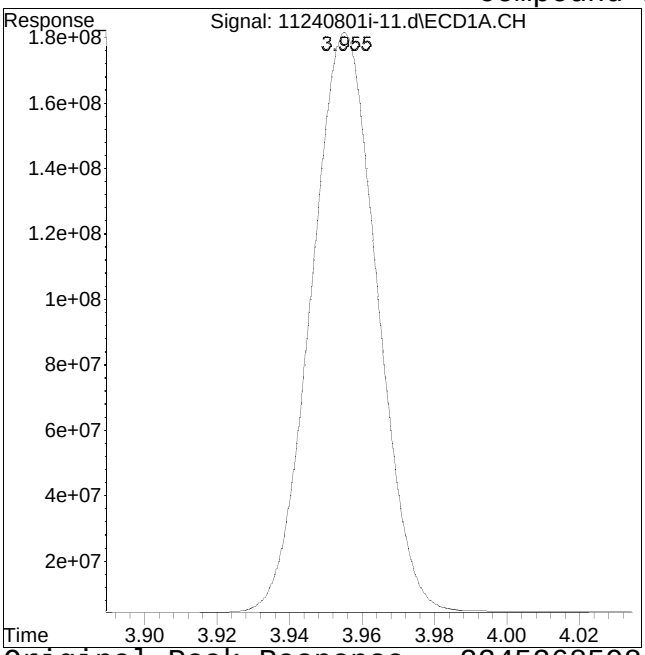
Original Peak Response = 1853904209 Manual Peak Response = 1850209907 M4
M4 = Poor automated baseline construction.

Manual Integration Report

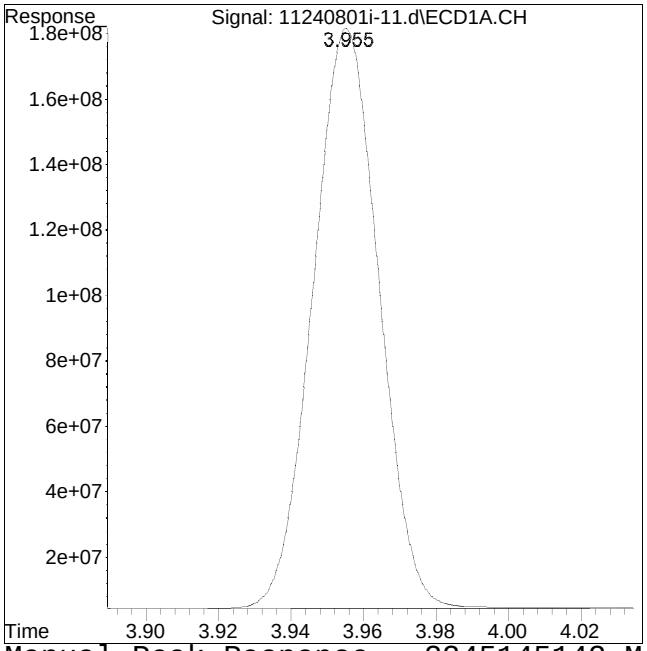
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #17: Dieldrin



Original Peak Response = 2245268598



Manual Peak Response = 2245145142 M4

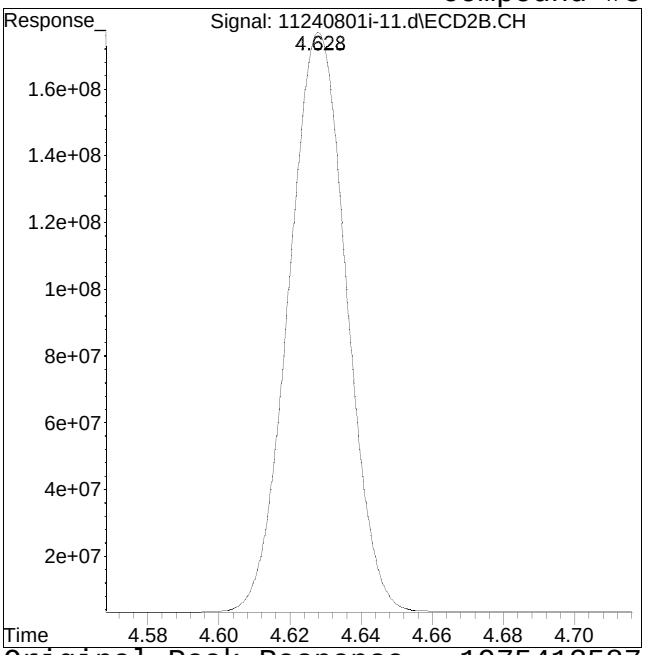
M4 = Poor automated baseline construction.

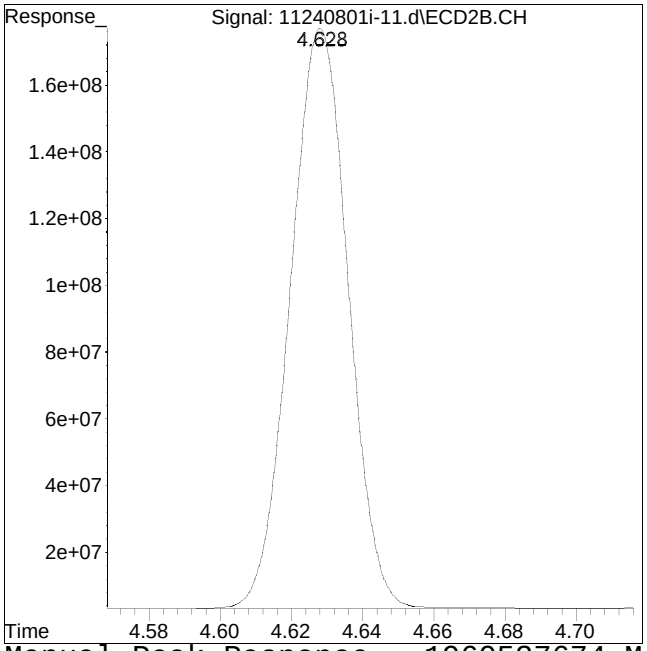
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #55: Dieldrin #2



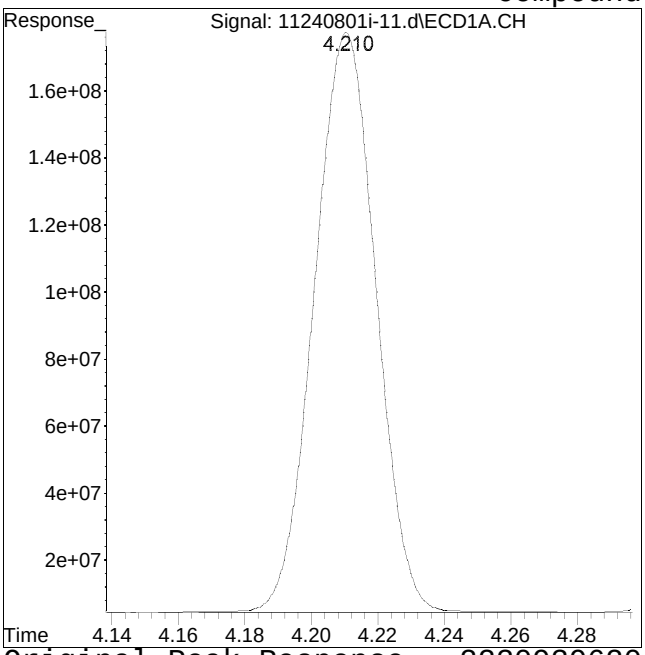


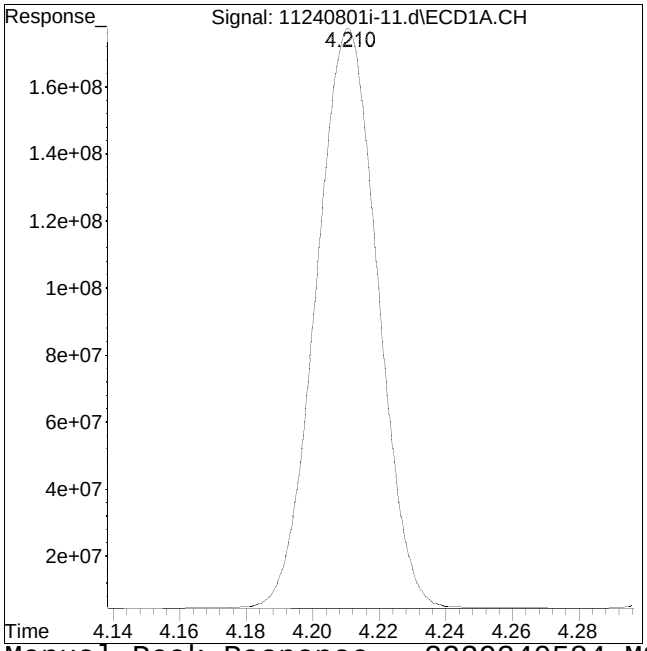
Original Peak Response = 1975413587 Manual Peak Response = 1969537674 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-11.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:12 Instrument : Pest 11
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/2/2024 9:29 am

Compound #18: Endrin



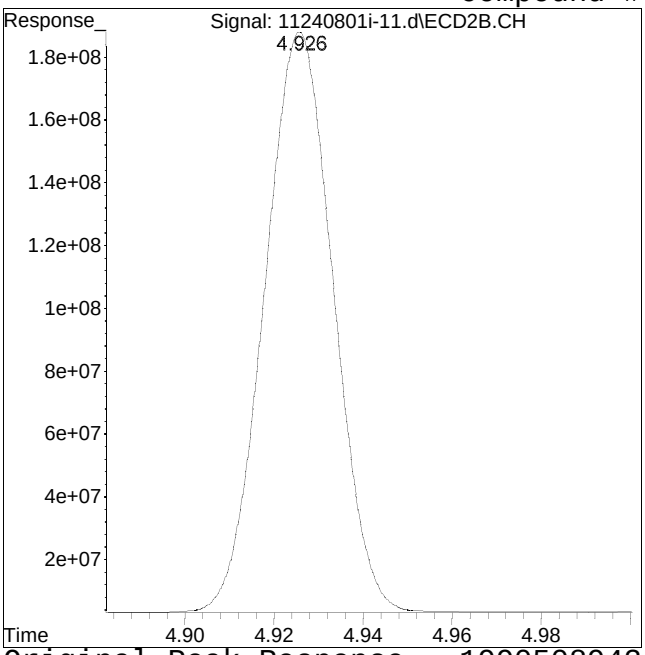


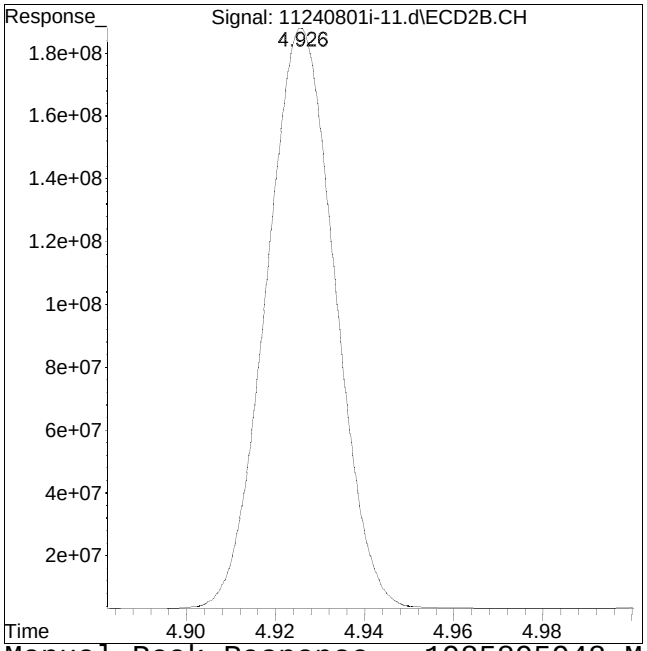
Original Peak Response = 2230939620 Manual Peak Response = 2229340584 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #56: Endrin #2





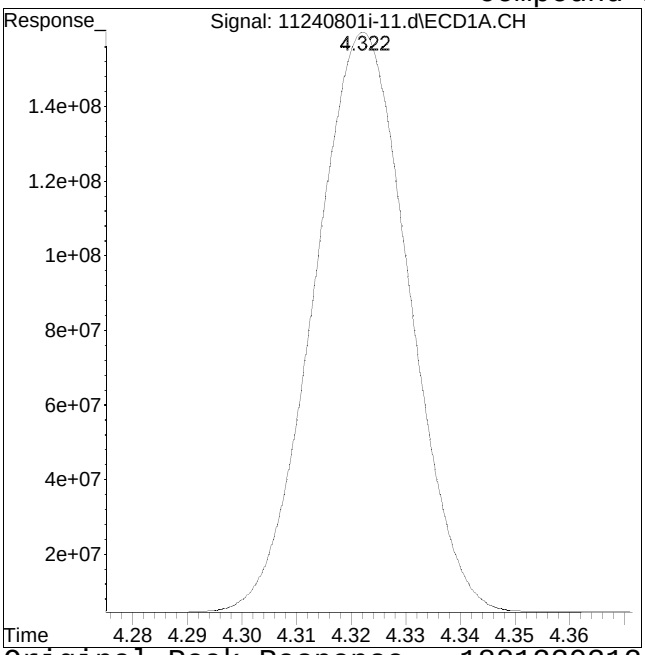
Original Peak Response = 1990508943 Manual Peak Response = 1985895948 M4
M4 = Poor automated baseline construction.

Manual Integration Report

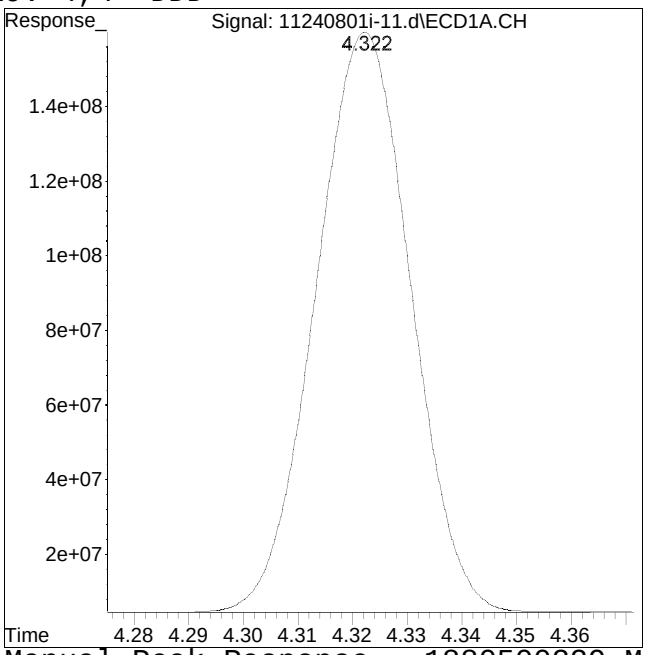
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #19: 4,4'-DDD



Original Peak Response = 1881239312



Manual Peak Response = 1880500229 M4

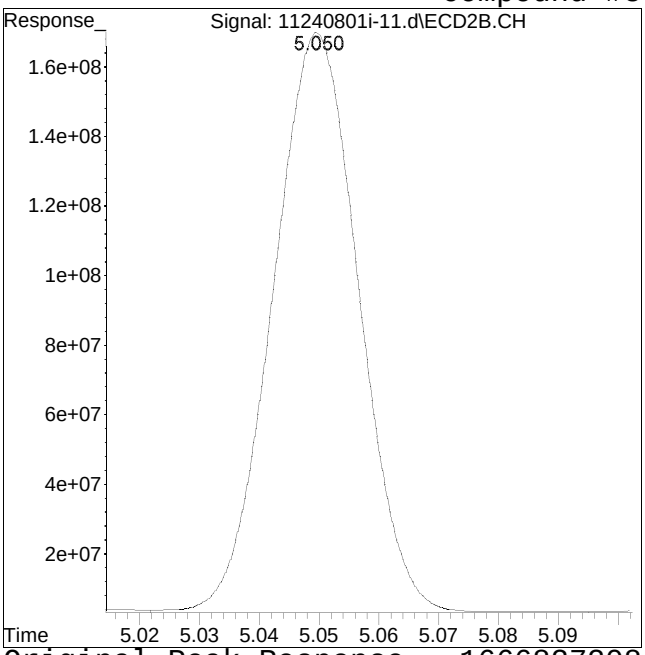
M4 = Poor automated baseline construction.

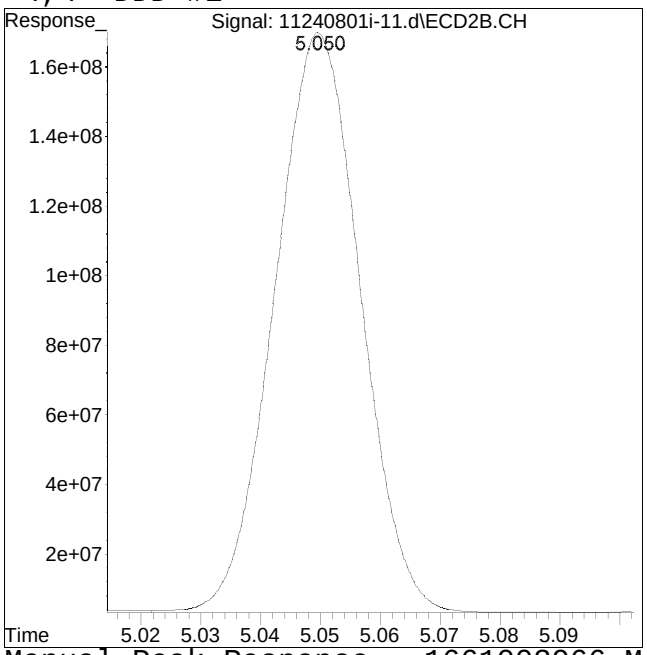
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #57: 4,4'-DDD #2





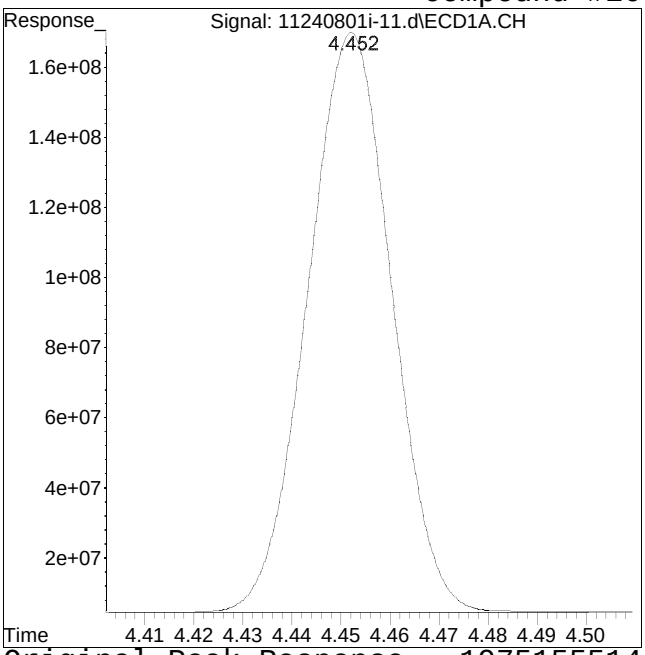
Original Peak Response = 1666827208 Manual Peak Response = 1661003966 M4
M4 = Poor automated baseline construction.

Manual Integration Report

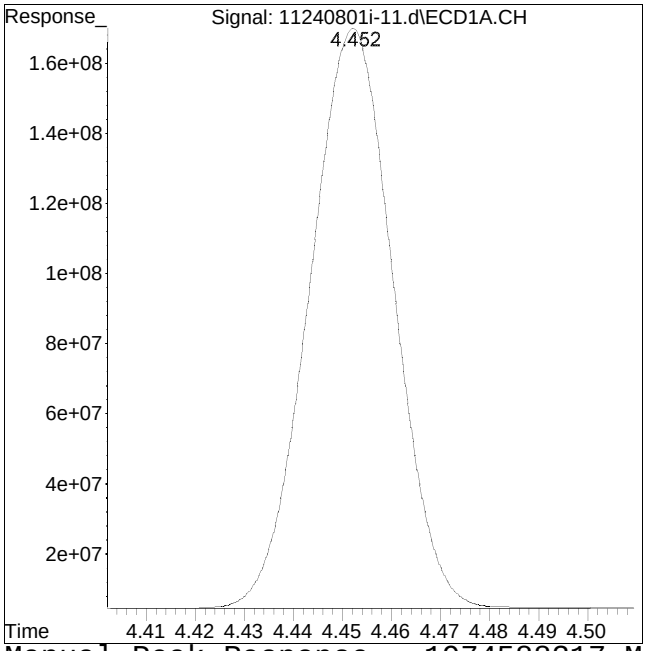
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #20: Endosulfan II



Original Peak Response = 1975155514



Manual Peak Response = 1974588317 M4

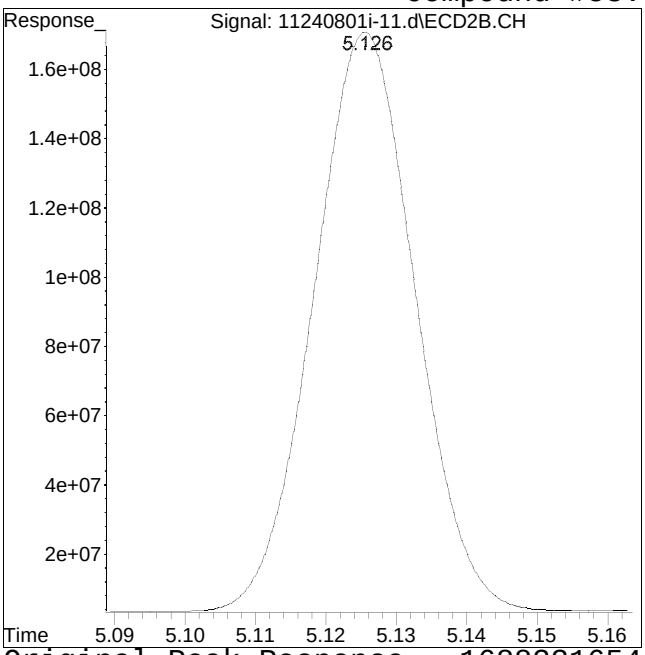
M4 = Poor automated baseline construction.

Manual Integration Report

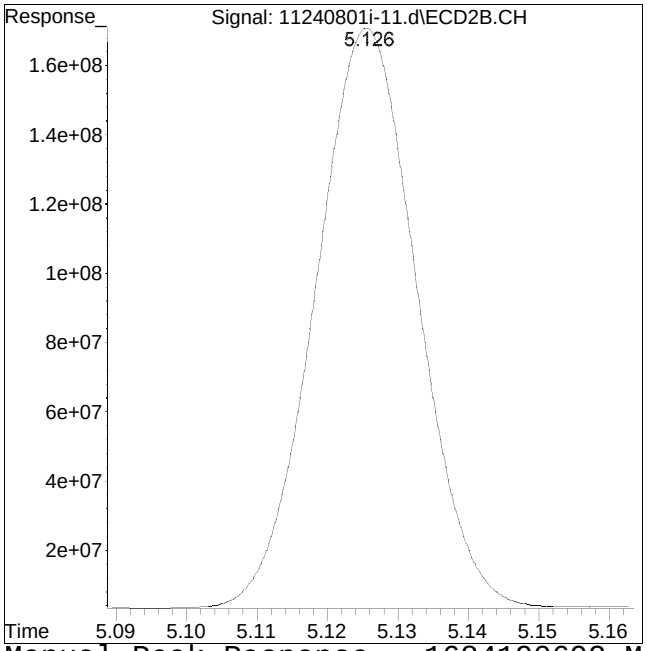
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #58: Endosulfan II #2



Original Peak Response = 1688331654



Manual Peak Response = 1684190692 M4

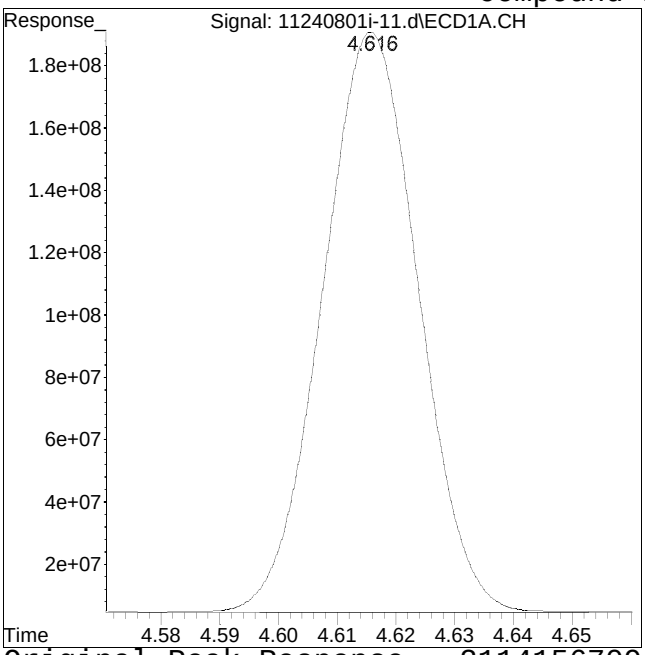
M4 = Poor automated baseline construction.

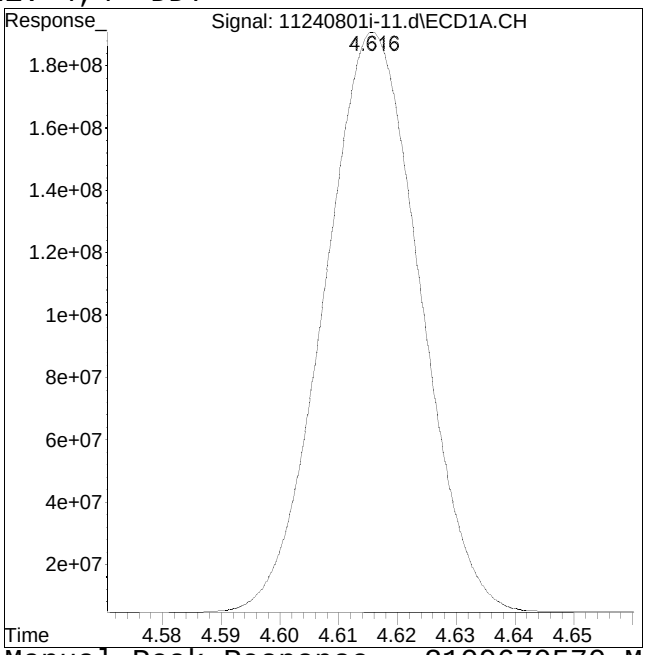
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #21: 4,4'-DDT



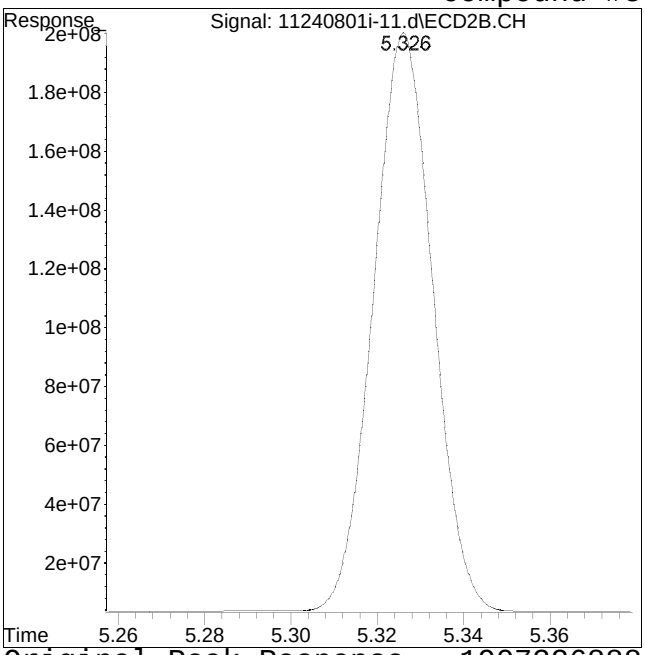


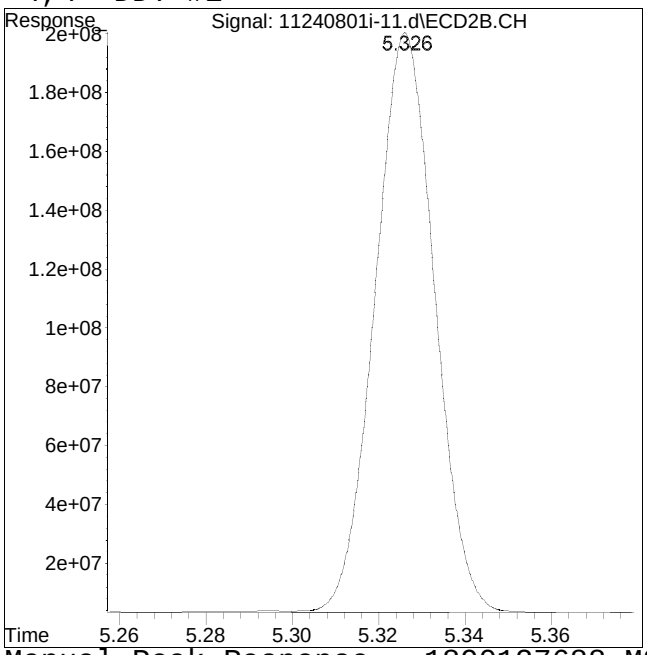
Original Peak Response = 2114156709 Manual Peak Response = 2109670570 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #59: 4,4'-DDT #2





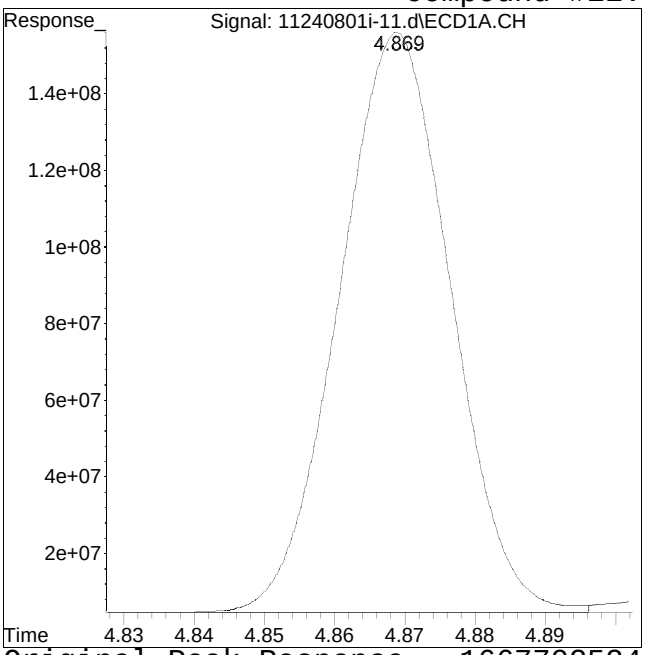
Original Peak Response = 1907326888 Manual Peak Response = 1890127688 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

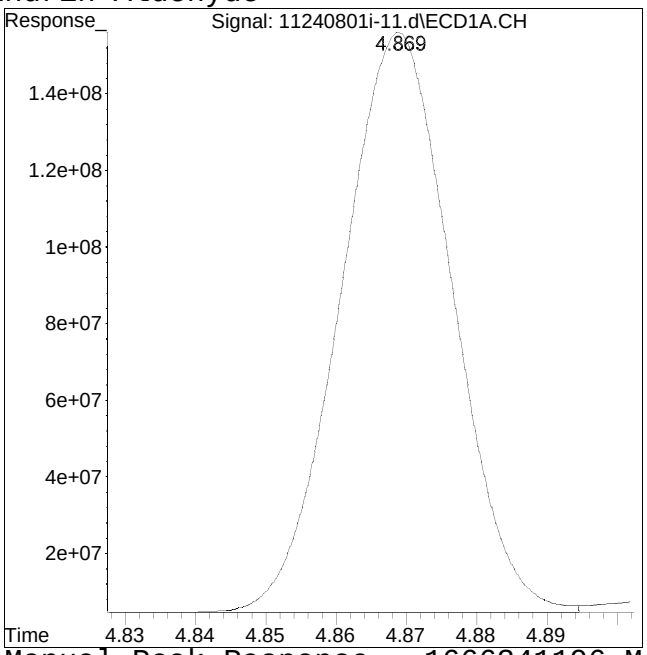
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #22: Endrin Aldehyde



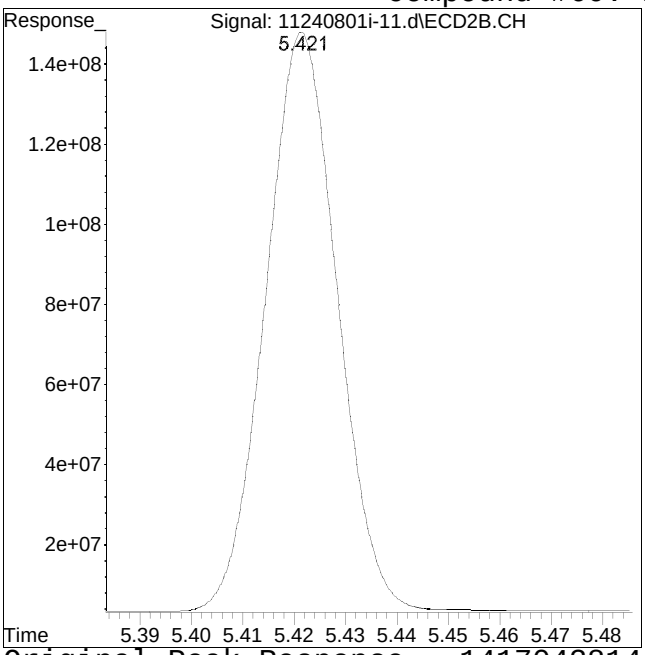


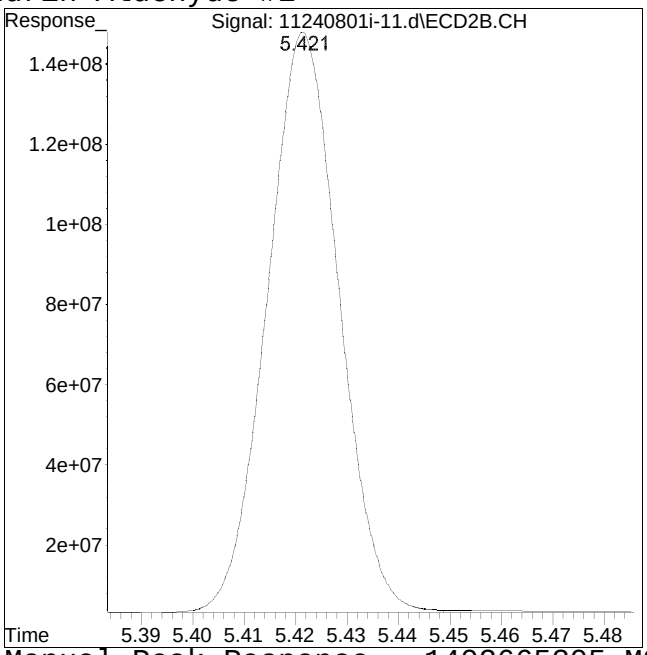
Original Peak Response = 1667702524 Manual Peak Response = 1666341196 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #60: Endrin Aldehyde #2



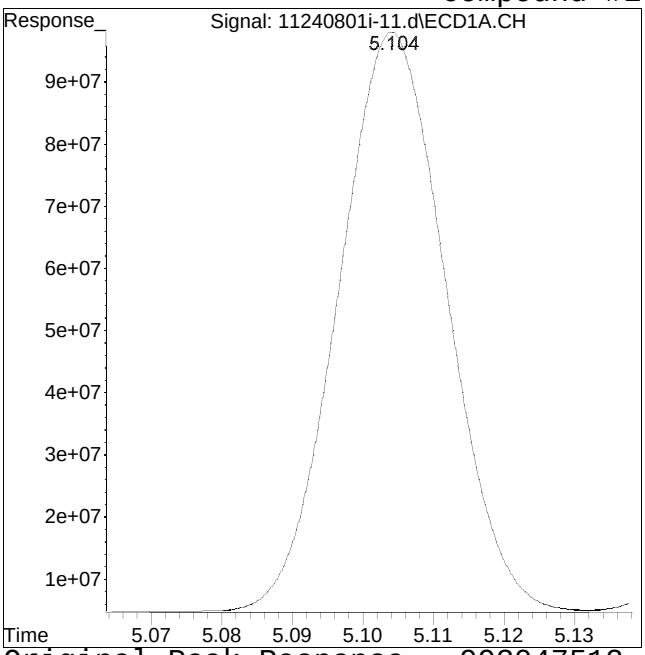


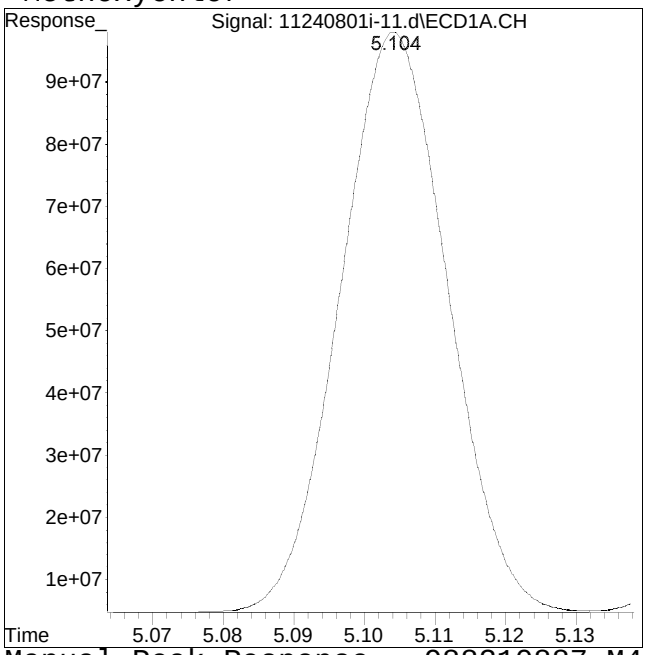
Original Peak Response = 1417043814 Manual Peak Response = 1402665305 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #23: Methoxychlor



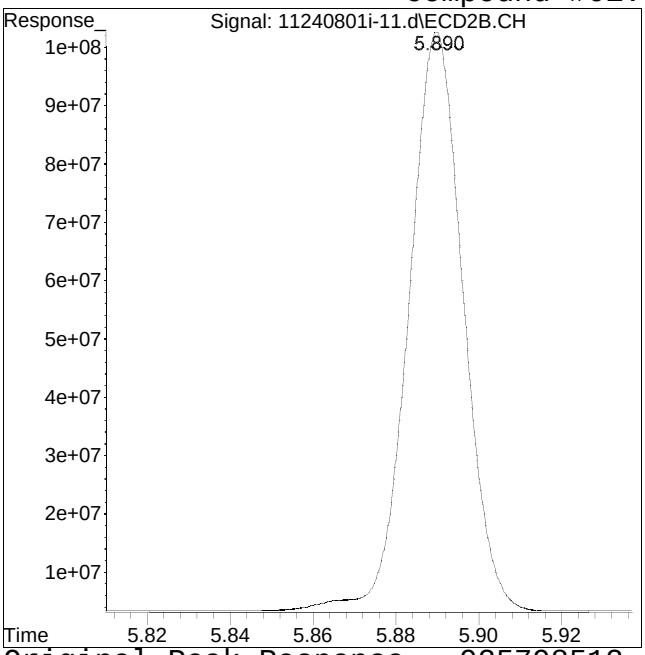


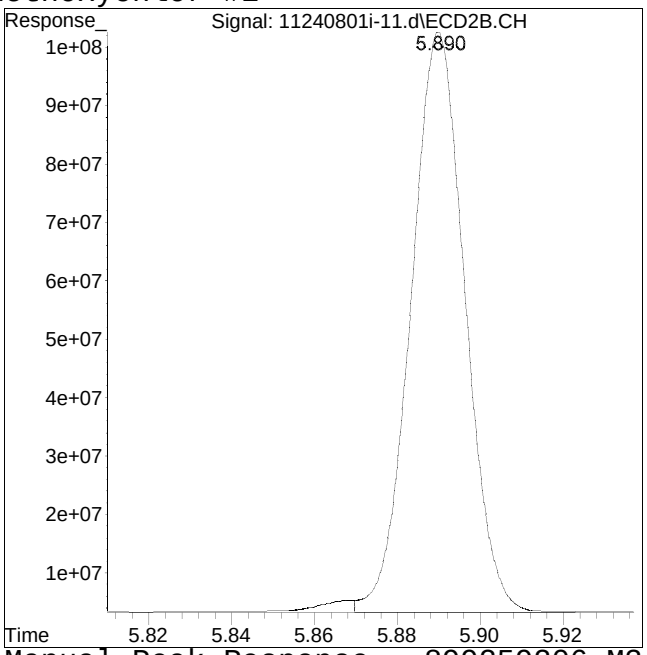
Original Peak Response = 993047512 Manual Peak Response = 988310887 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-11.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:12 Instrument : Pest 11
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/2/2024 9:29 am

Compound #61: Methoxychlor #2



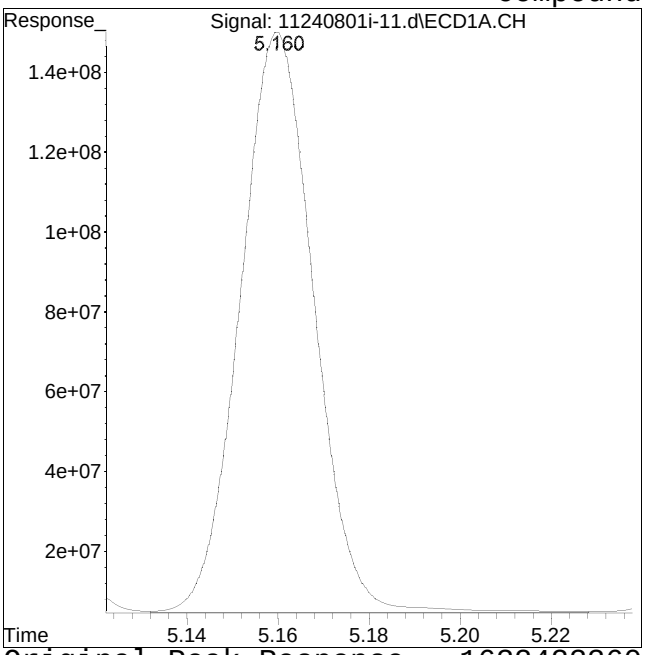


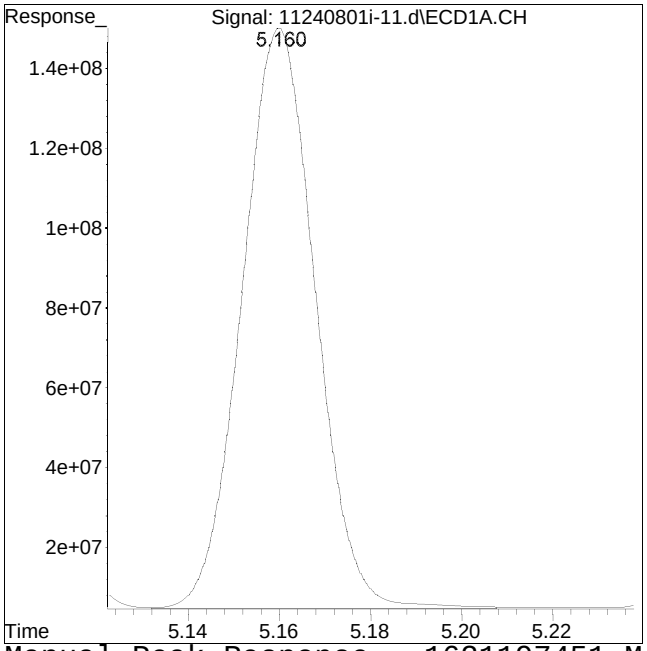
Original Peak Response = 925798512 Manual Peak Response = 899259206 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-11.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:12 Instrument : Pest 11
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/2/2024 9:29 am

Compound #24: Mirex





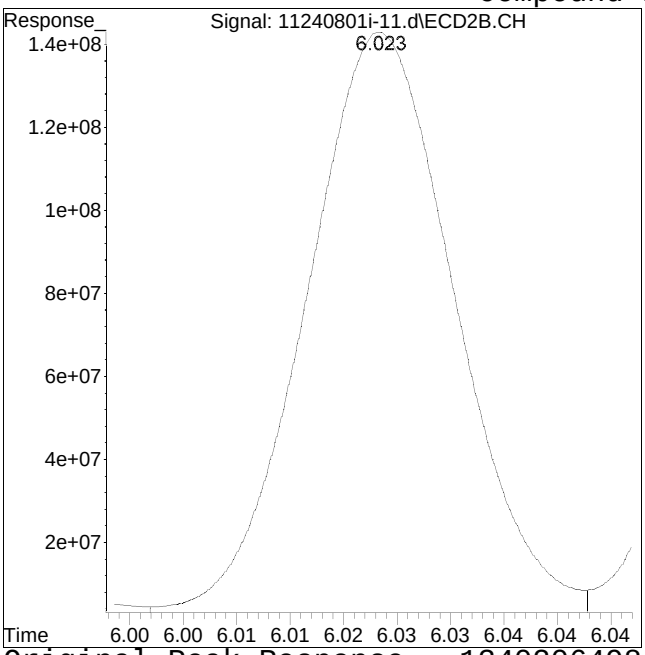
Original Peak Response = 1632423360 Manual Peak Response = 1621197451 M4
M4 = Poor automated baseline construction.

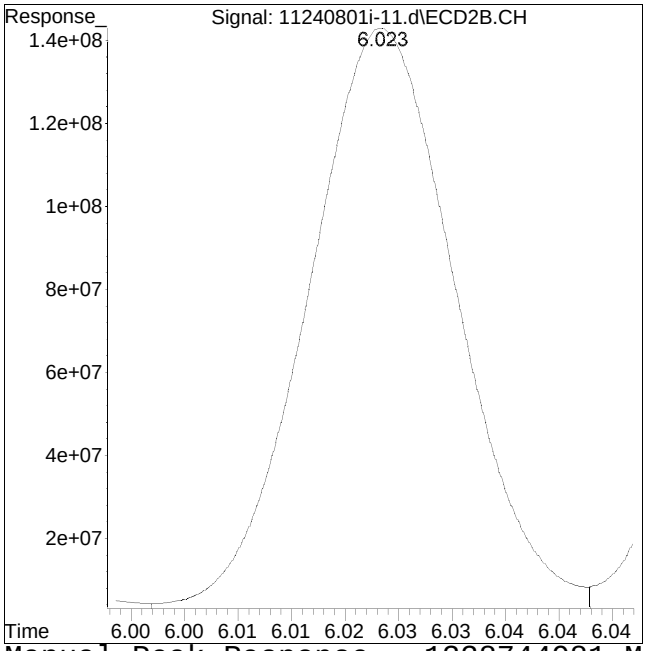
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #62: Mirex #2



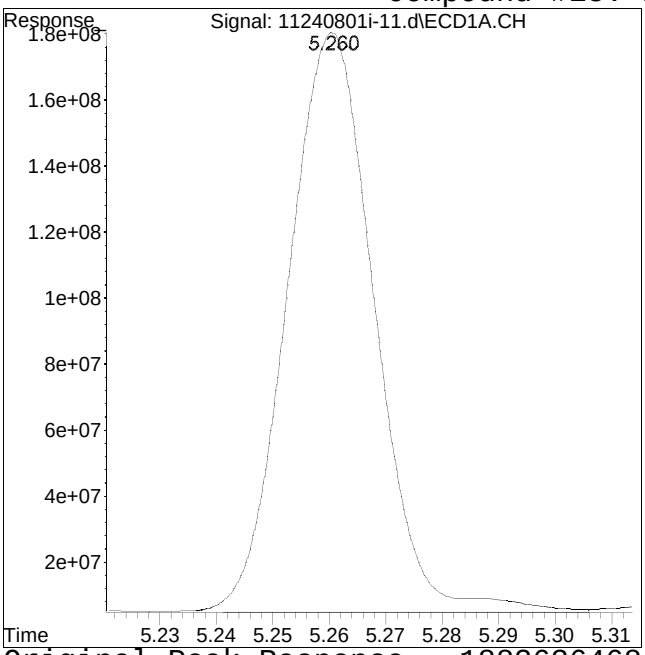


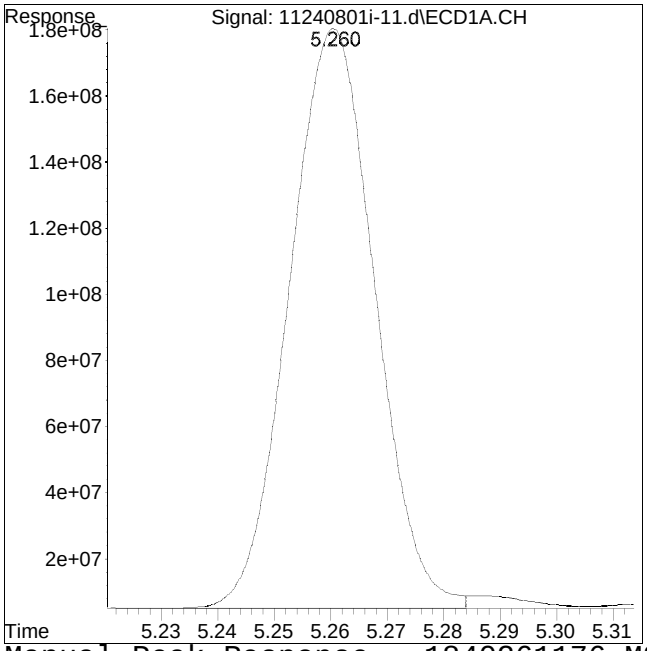
Original Peak Response = 1340206498 Manual Peak Response = 1338744981 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #25: Endosulfan Sulfate





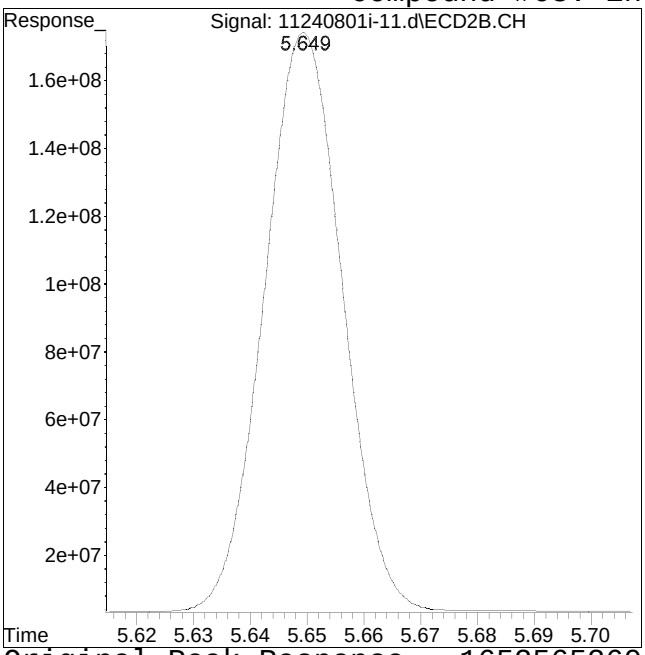
Original Peak Response = 1883636468 Manual Peak Response = 1840261176 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

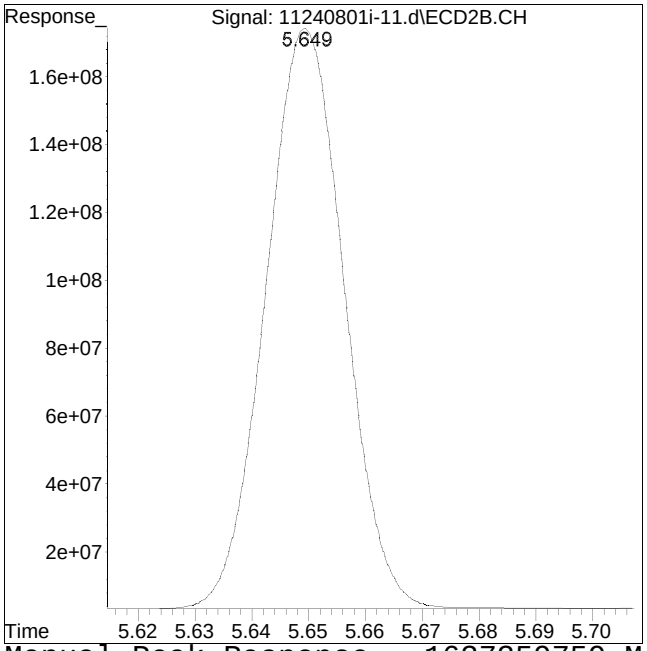
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 1652565260



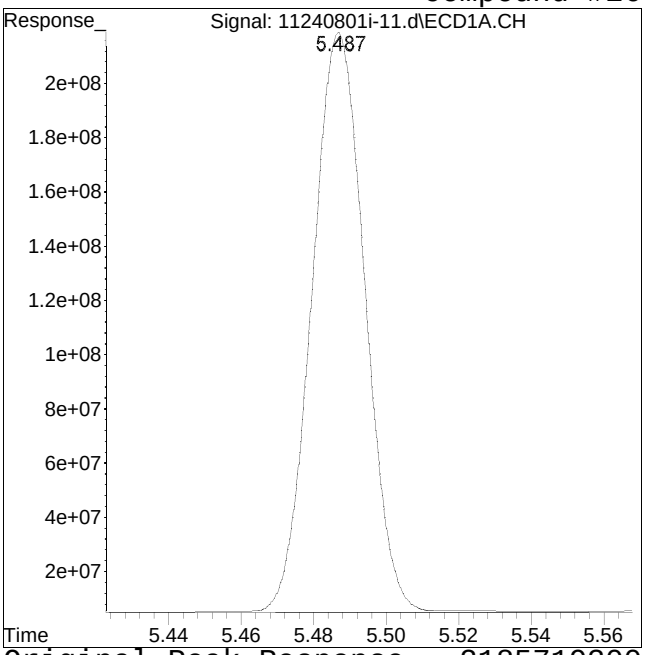
Manual Peak Response = 1637359759 M4

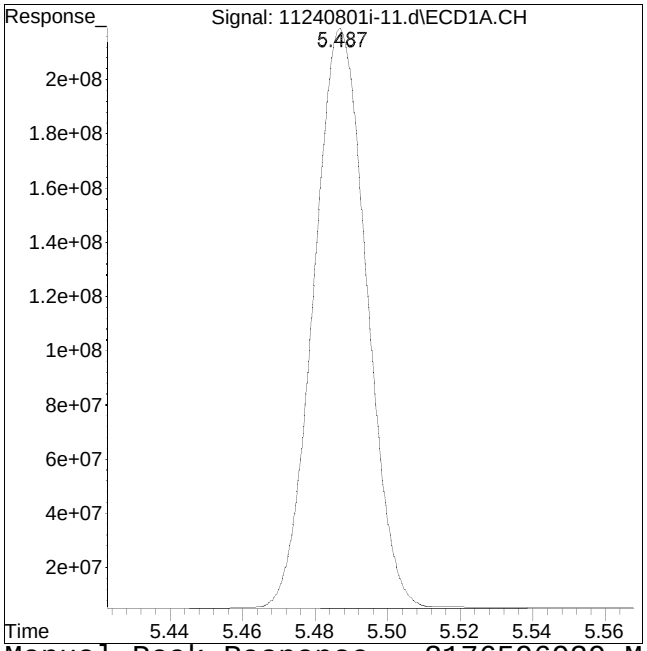
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-11.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:12 Instrument : Pest 11
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/2/2024 9:29 am

Compound #26: Endrin Ketone





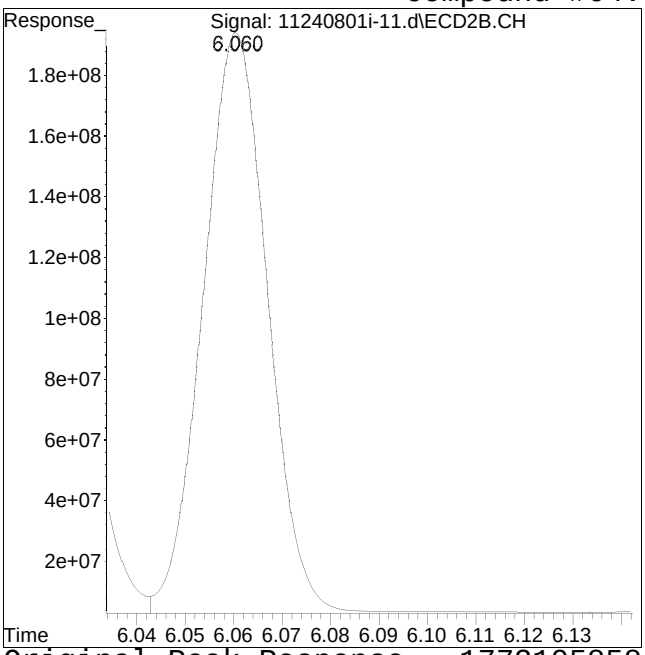
Original Peak Response = 2185719300 Manual Peak Response = 2176596939 M4
M4 = Poor automated baseline construction.

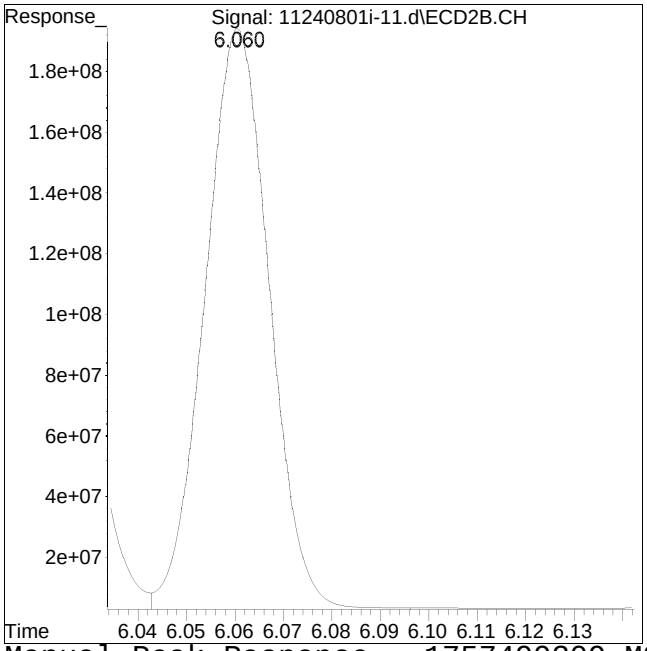
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #64: Endrin Ketone #2





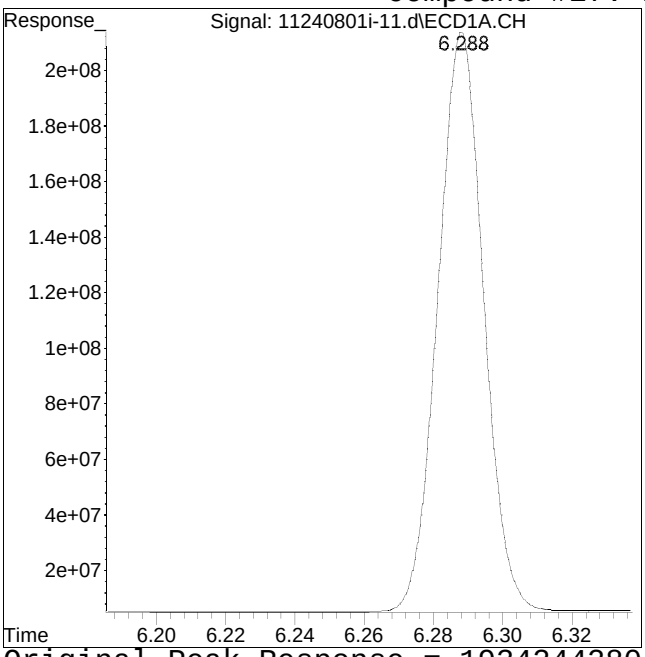
Original Peak Response = 1773105858 Manual Peak Response = 1757499309 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

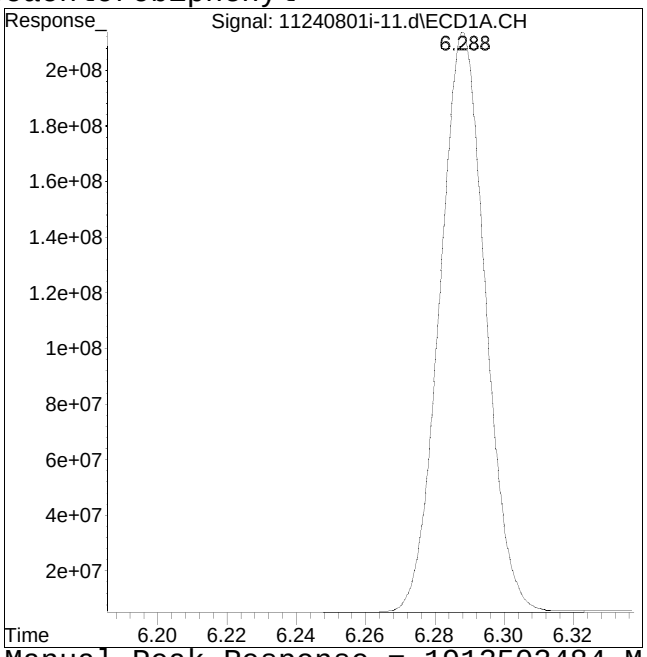
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 1934244280



Manual Peak Response = 1913503484 M4

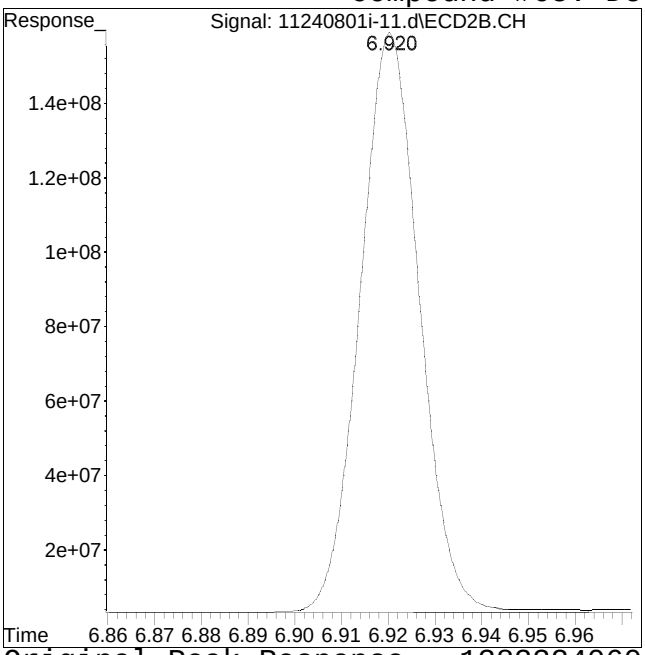
M4 = Poor automated baseline construction.

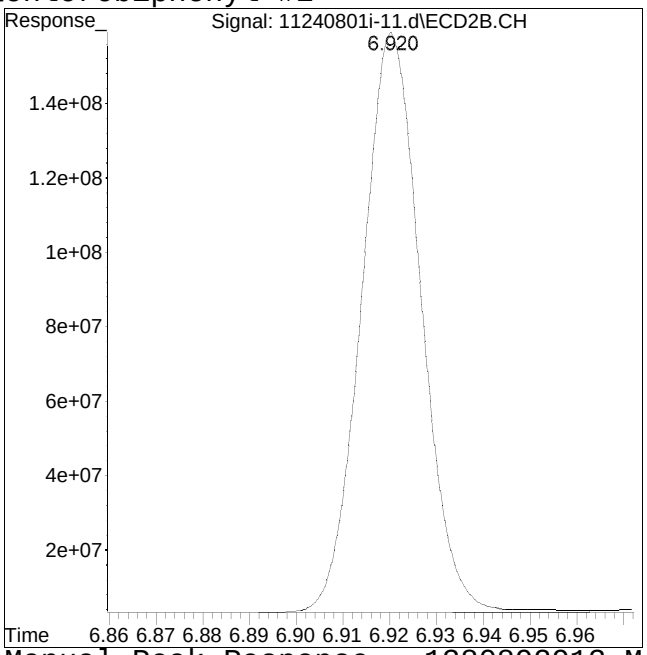
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 1383324060 Manual Peak Response = 1380892913 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:25
Operator : PEST11:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:58:56 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:38:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.310	1.386	219.1E6	172.6E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.653	1.859	3436.3E6	2866.4E6	375.795M3	383.994
	Spiked Amount 50.000	Range 30 - 150		Recovery =		751.59%#	767.99%#
27) s	Decachlorobi	6.288	6.919	3542.0E6	2565.1E6	389.672M4	396.514M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		779.34%#	793.03%#
	Target Compounds						
3) t	Hexachlorobe	1.866	2.179	4393.8E6	3054.6E6	374.440M3	386.397M4
4) t	alpha-BHC	1.965	2.272	5474.0E6	4748.1E6	387.113M3	397.820M3
5) t	gamma-BHC (l	2.167	2.558	5015.2E6	4254.3E6	385.346M4	395.569
6) t	beta-BHC	2.222	2.623	2035.1E6	1695.7E6	381.357M3	384.044
7) t	delta-BHC	2.351	2.890	5109.5E6	4368.4E6	387.060M4	397.603M4
8) t	Heptachlor	2.514	2.953	4267.4E6	3941.6E6	357.934M4	366.974M4
9) t	Aldrin	2.757	3.272	4276.8E6	3818.0E6	371.928M4	378.594
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	3.302	3.885	3795.3E6	3457.2E6	359.403M3	369.359M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:25
Operator : PEST11:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:58:56 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:38:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	t	gamma-Chlord	3.426	4.105	3704.6E6	3328.5E6	381.821M4	385.505M4
14)	t	alpha-Chlord	3.560	4.275	4129.5E6	3639.2E6	377.801M3	381.858M4
15)	t	4,4'-DDE	3.658	4.474	4233.9E6	3665.1E6	381.347M4	383.165M3
16)	t	Endosulfan I	3.696	4.336	3638.6E6	3224.0E6	363.740M3	369.311M4
17)	t	Dieldrin	3.956	4.628	3938.0E6	3471.7E6	374.014M4	378.648M4
18)	t	Endrin	4.211	4.926	3882.2E6	3492.7E6	367.059M3	376.416M4
19)	t	4,4'-DDD	4.323	5.050	3366.6E6	3005.8E6	387.600M4	394.381M4
20)	t	Endosulfan I	4.452	5.126	3381.2E6	2907.3E6	357.803M4	364.277M4
21)	t	4,4'-DDT	4.617	5.327	3755.2E6	3373.8E6	384.027M4	387.821M3
22)	t	Endrin Aldeh	4.869	5.422	2950.3E6	2501.6E6	376.997M4	381.397M3
23)	t	Methoxychlor	5.105	5.891	1699.3E6	1603.4E6	350.495M4	373.779M3
24)	t	Mirex	5.160	6.024	2881.7E6	2395.8E6	373.166M3	379.221M4
25)	t	Endosulfan S	5.261	5.650	3233.7E6	2911.3E6	369.599M3	378.677M3
26)	t	Endrin Keton	5.487	6.061	3805.9E6	3138.1E6	363.553M4	377.488M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:25
Operator : PEST11:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:58:56 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:38:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

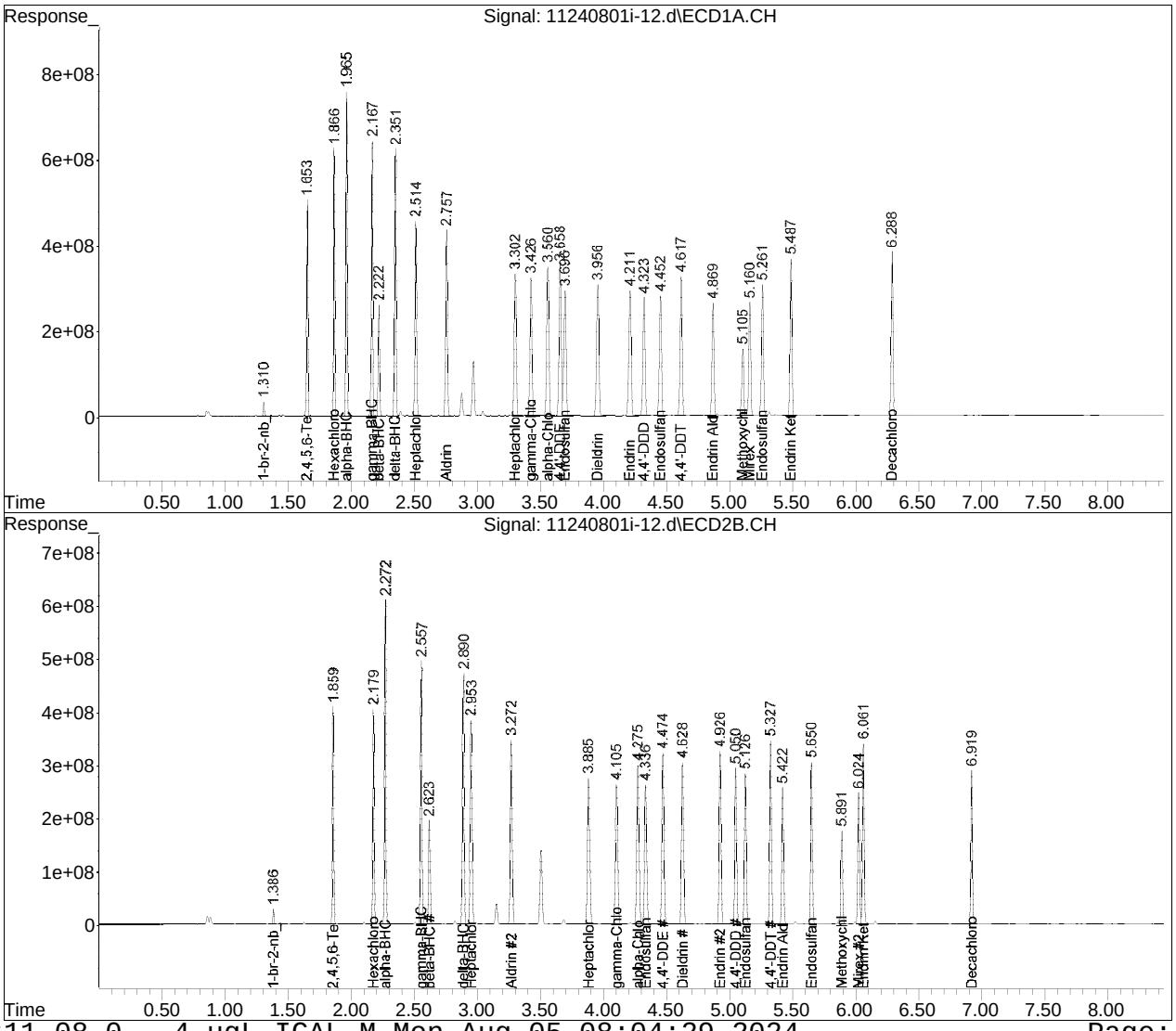
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:25
Operator : PEST11:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:58:56 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:38:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

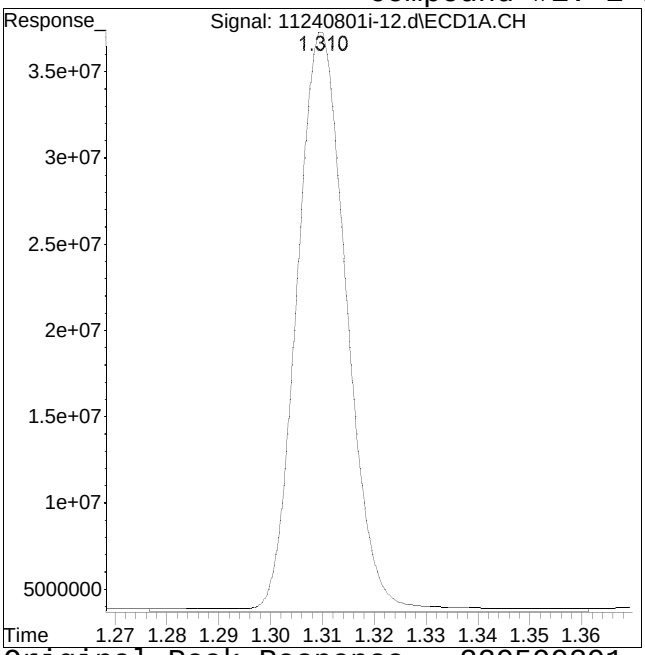
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



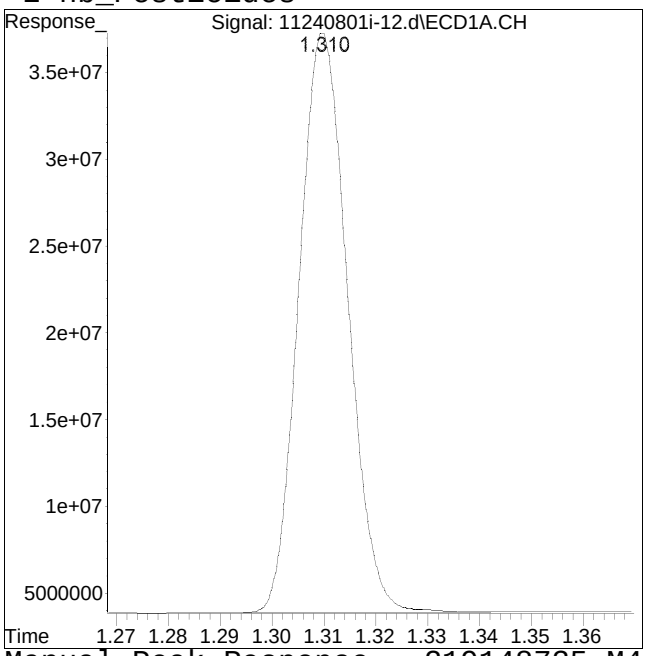
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 229599391



Manual Peak Response = 219148735 M4

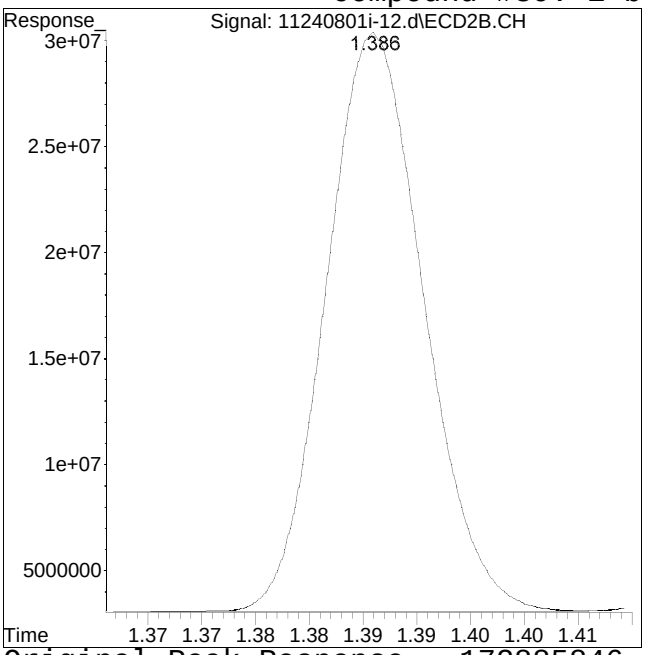
M4 = Poor automated baseline construction.

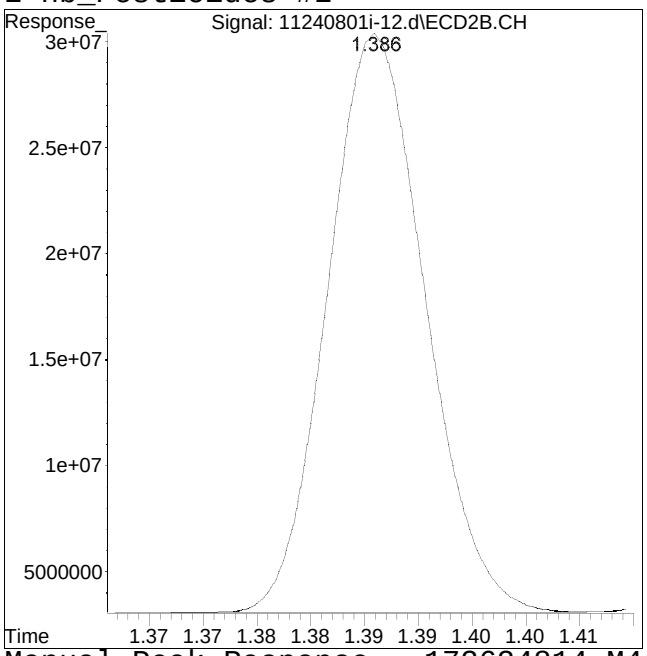
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #39: 1-br-2-nb_Pesticides #2





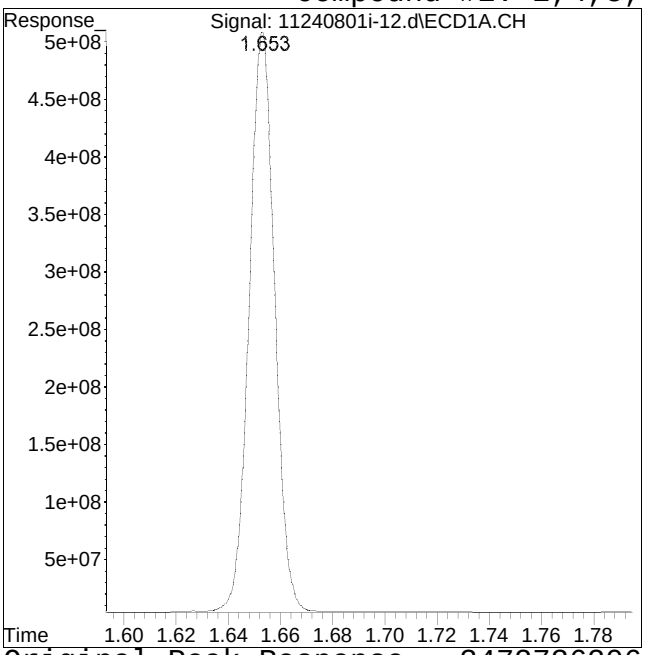
Original Peak Response = 172885846 Manual Peak Response = 172624814 M4
M4 = Poor automated baseline construction.

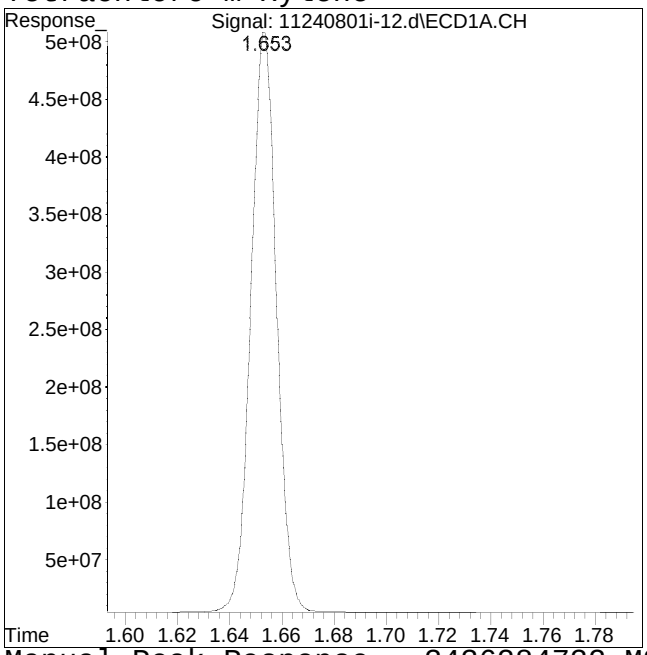
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



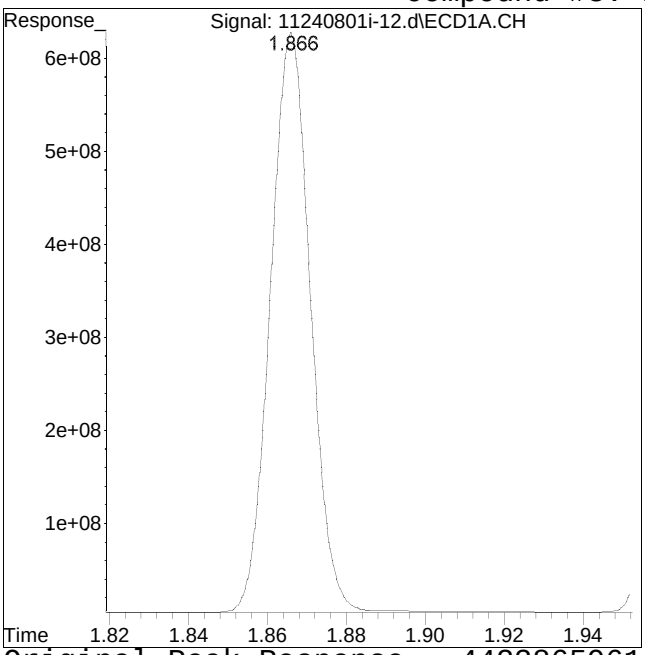


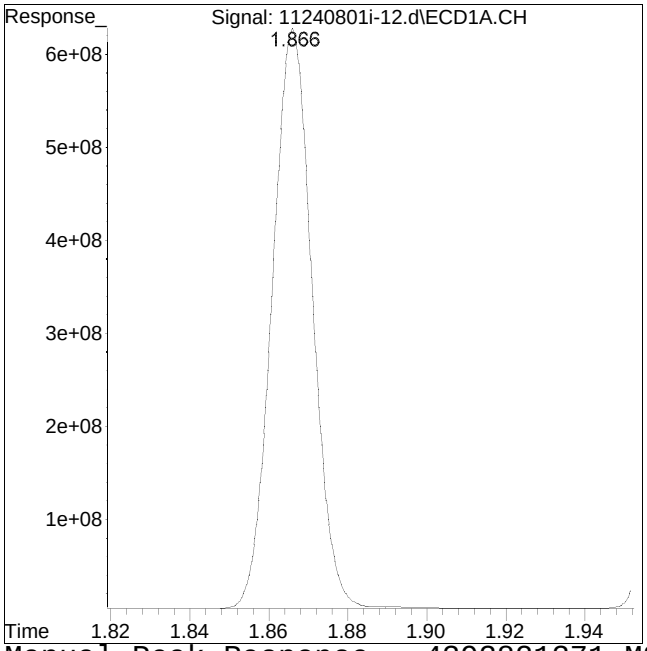
Original Peak Response = 3472736206 Manual Peak Response = 3436284732 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #3: Hexachlorobenzene



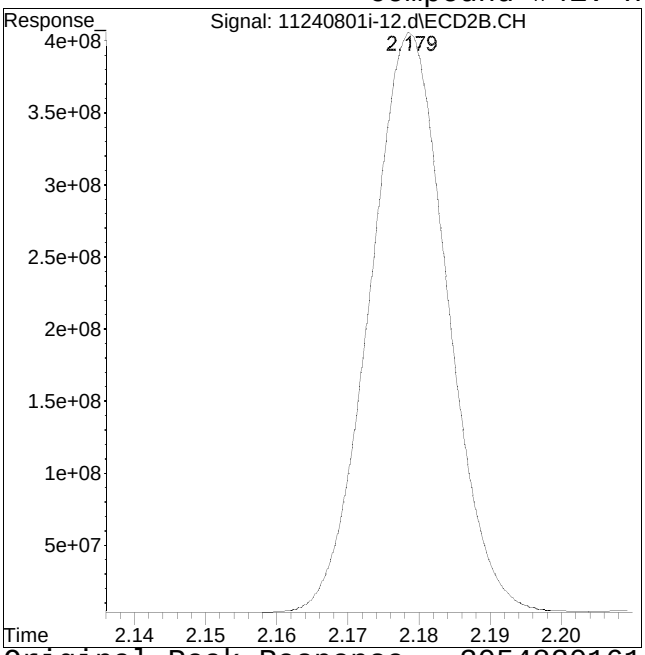


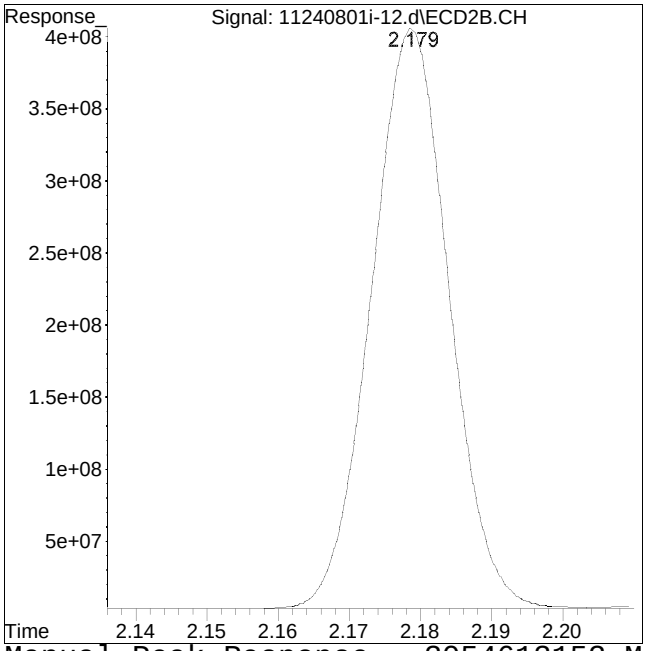
Original Peak Response = 4423865961 Manual Peak Response = 4393821371 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #41: Hexachlorobenzene #2



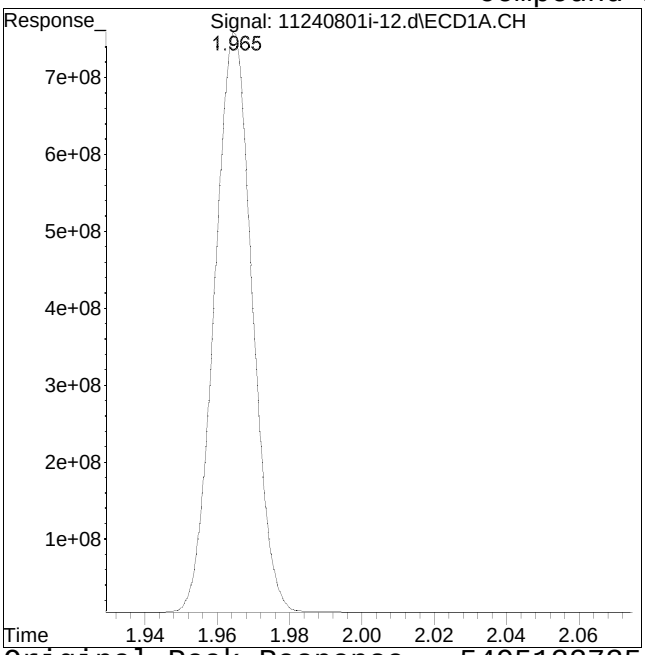


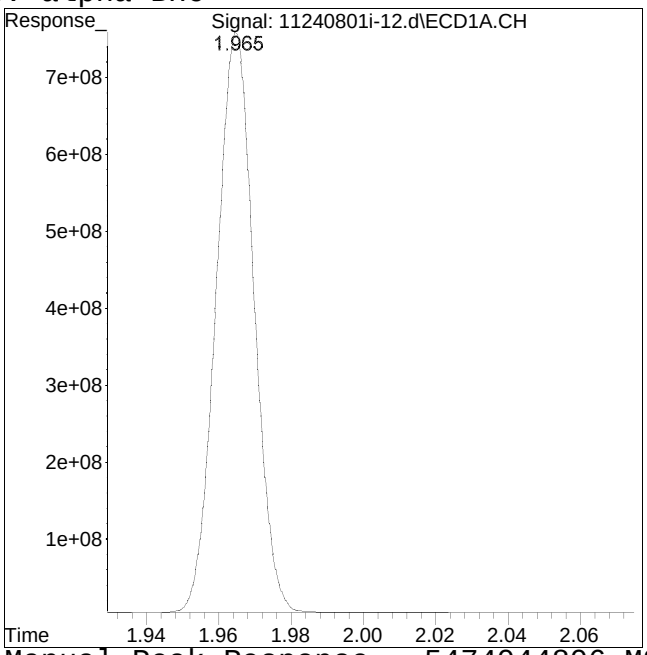
Original Peak Response = 3054820161 Manual Peak Response = 3054613153 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #4: alpha-BHC



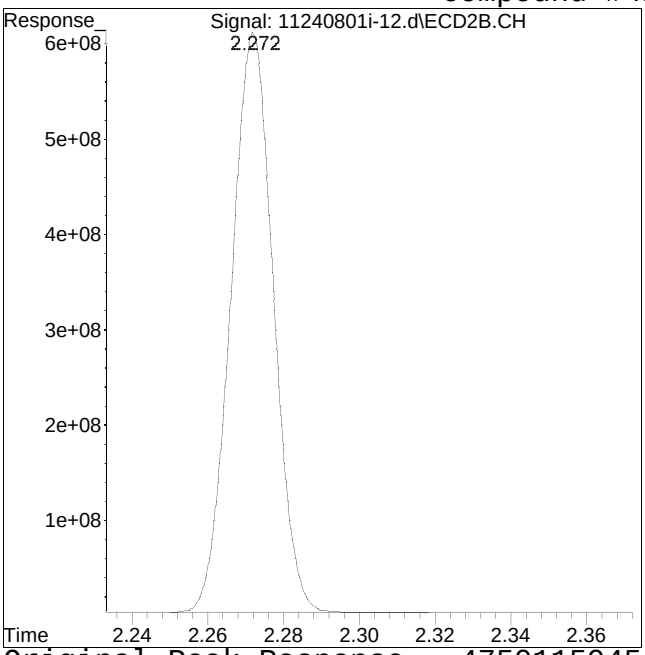


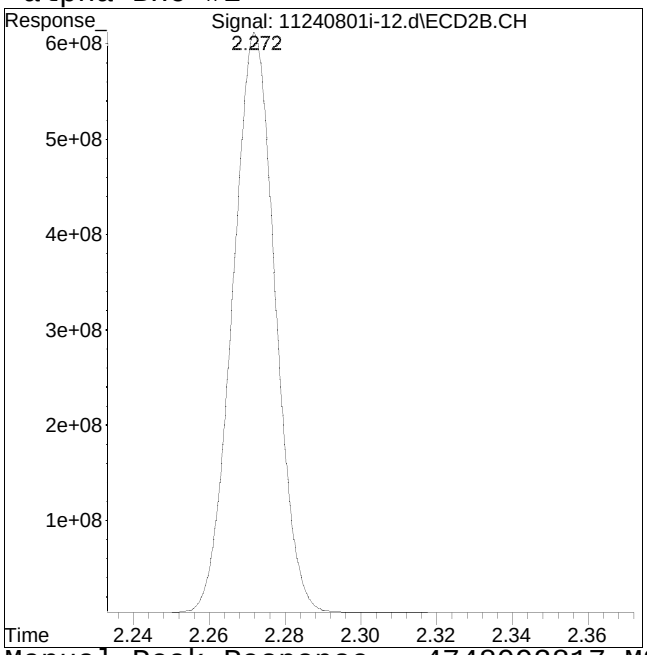
Original Peak Response = 5495133735 Manual Peak Response = 5474044806 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #42: alpha-BHC #2



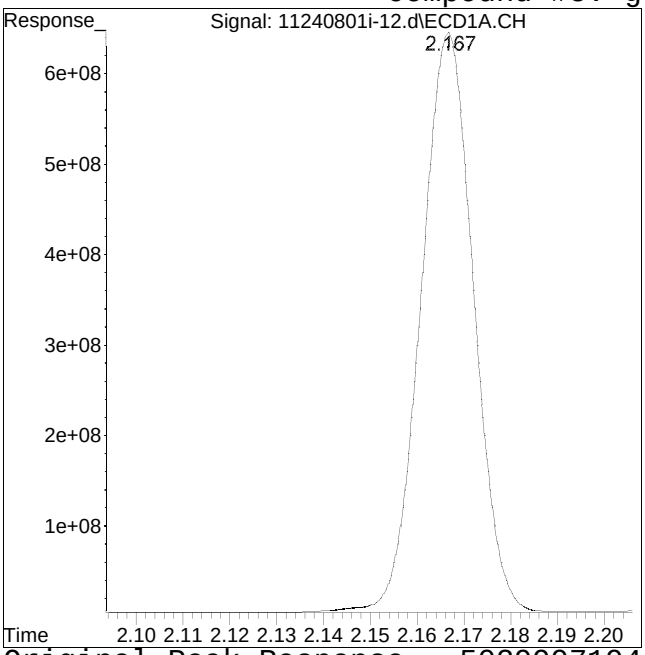


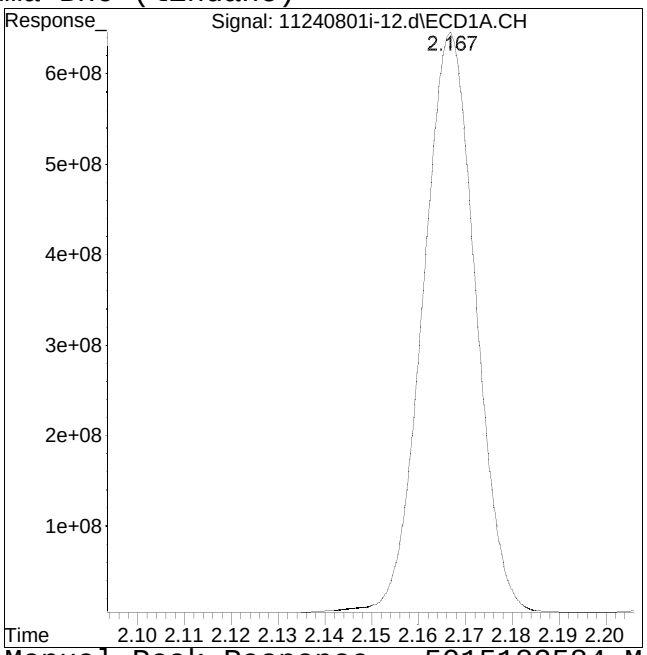
Original Peak Response = 4750115945 Manual Peak Response = 4748093817 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #5: gamma-BHC (lindane)



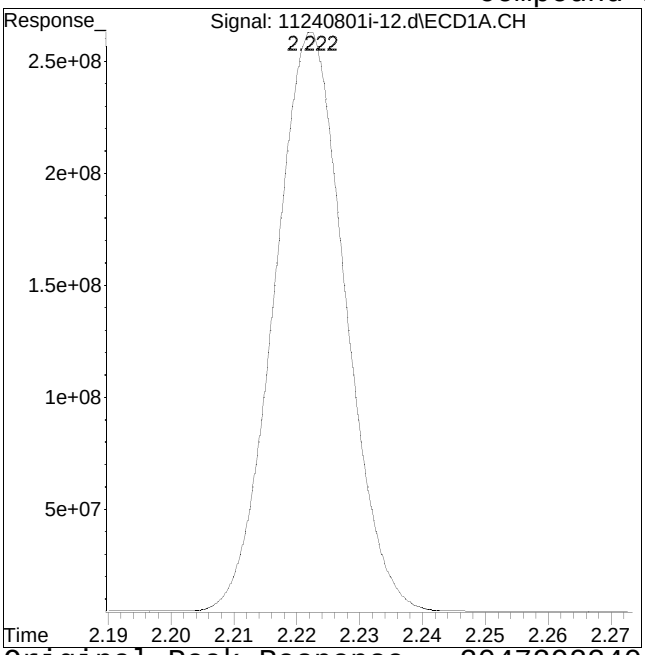


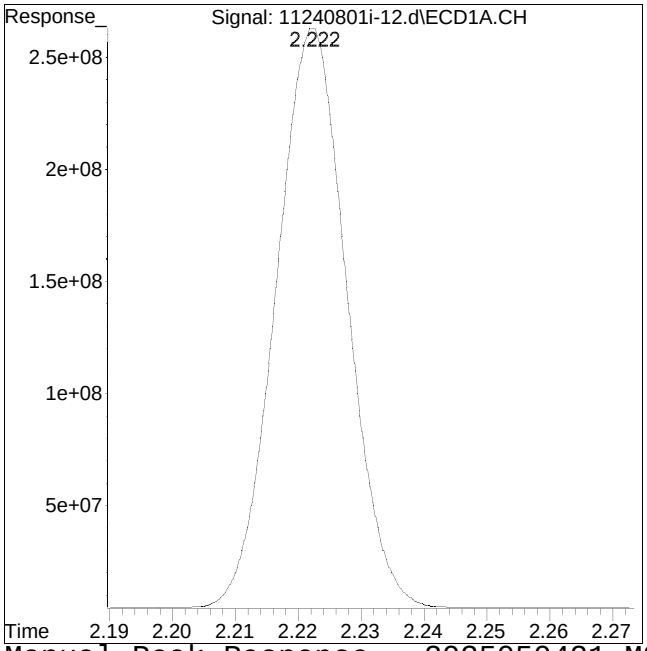
Original Peak Response = 5029997194 Manual Peak Response = 5015182584 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #6: beta-BHC



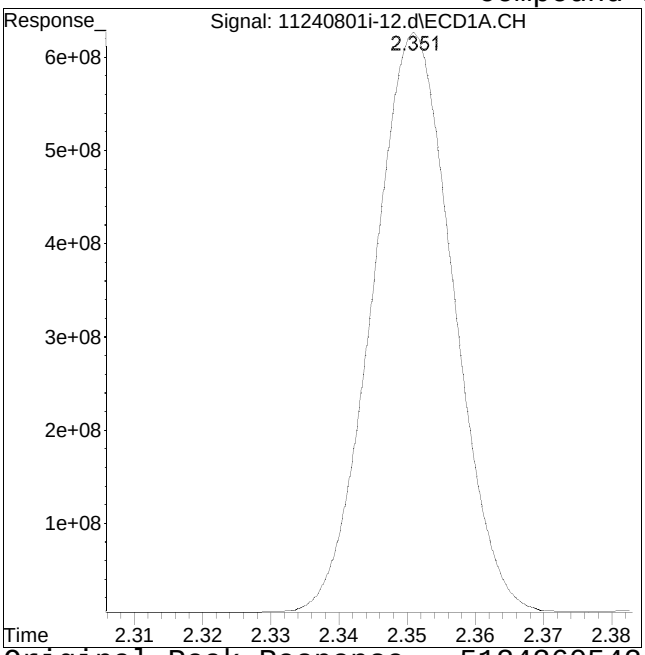


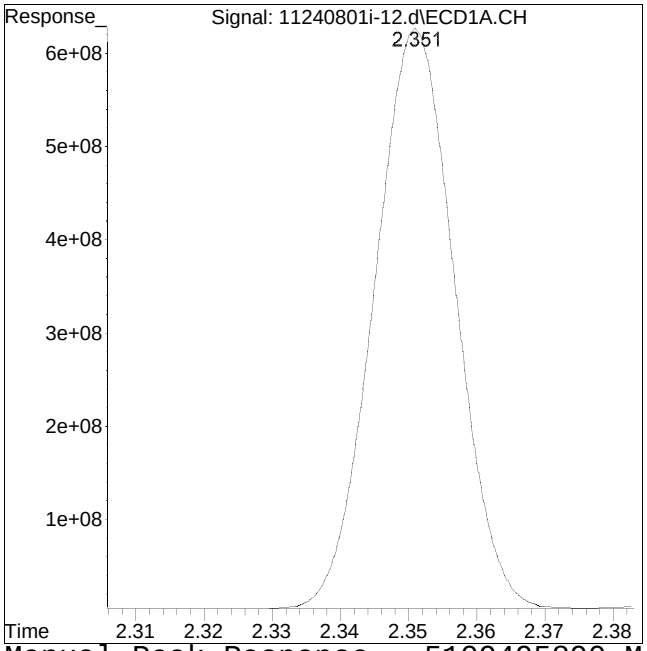
Original Peak Response = 2047292240 Manual Peak Response = 2035050421 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #7: delta-BHC





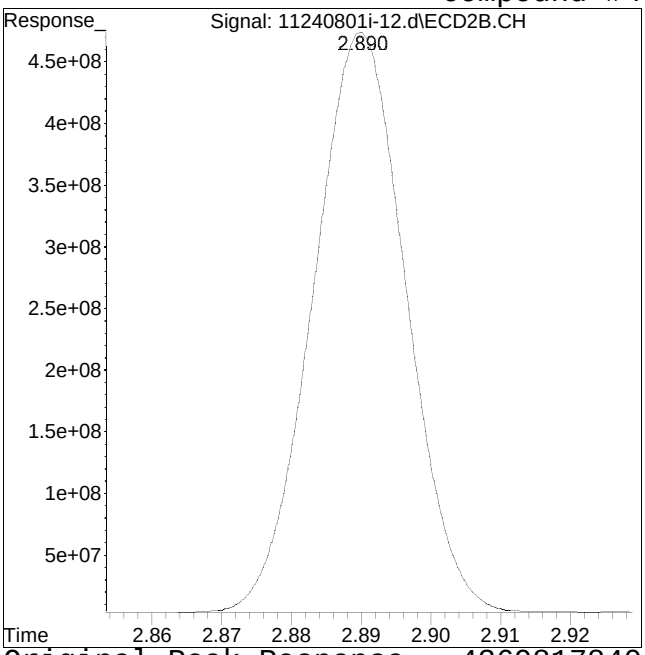
Original Peak Response = 5124360542 Manual Peak Response = 5109495890 M4
M4 = Poor automated baseline construction.

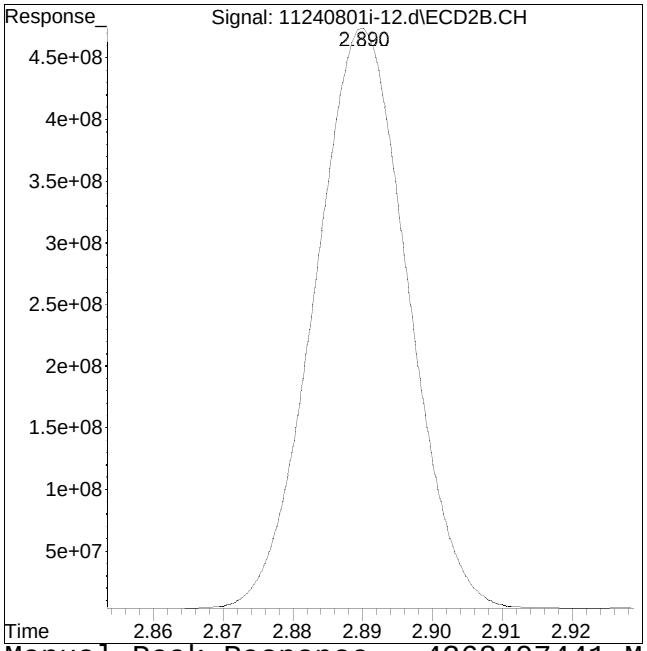
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #45: delta-BHC #2





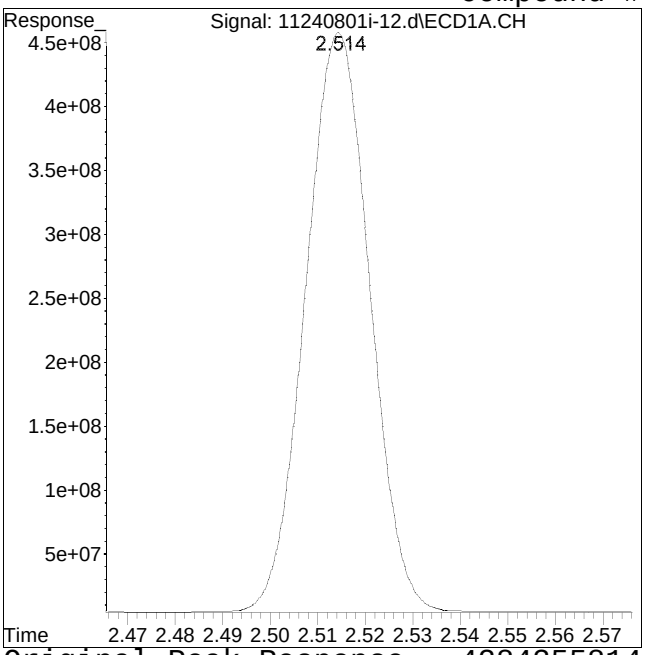
Original Peak Response = 4369817840 Manual Peak Response = 4368407441 M4
M4 = Poor automated baseline construction.

Manual Integration Report

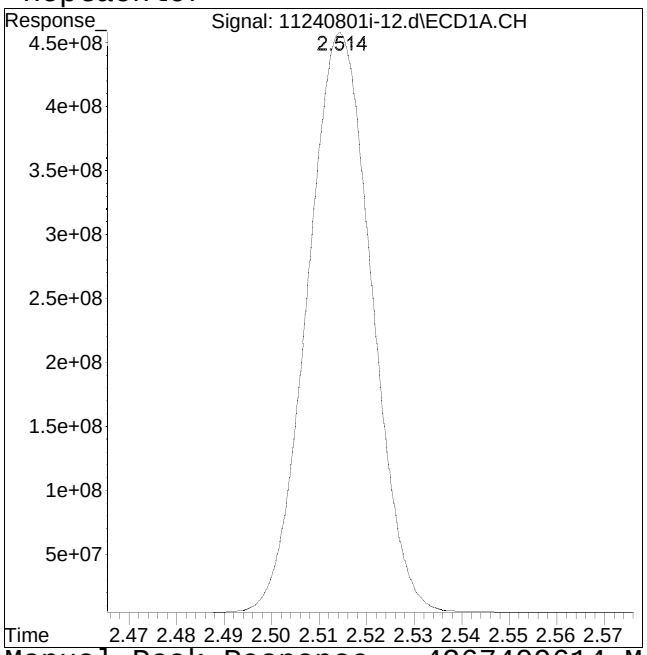
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #8: Heptachlor



Original Peak Response = 4284355814



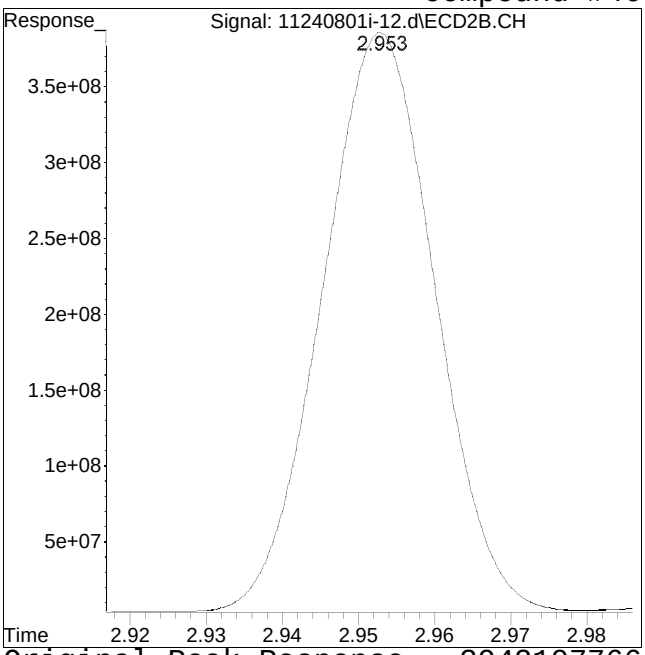
Manual Peak Response = 4267409614 M4

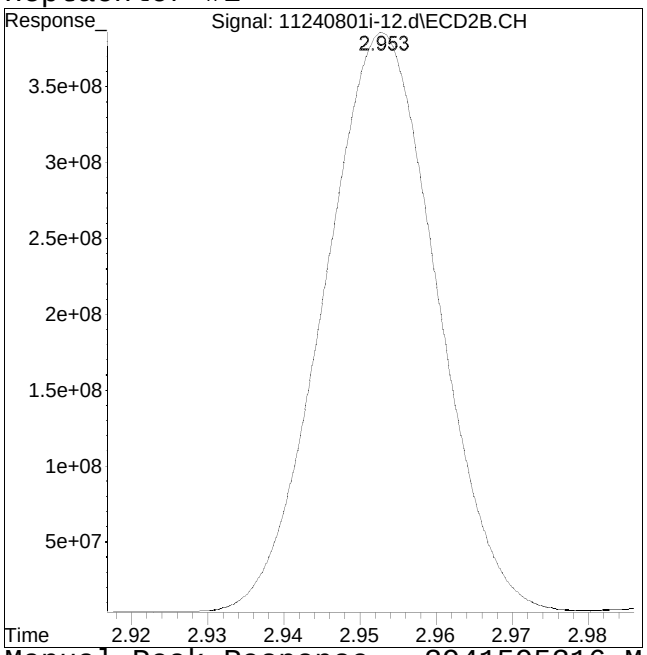
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #46: Heptachlor #2





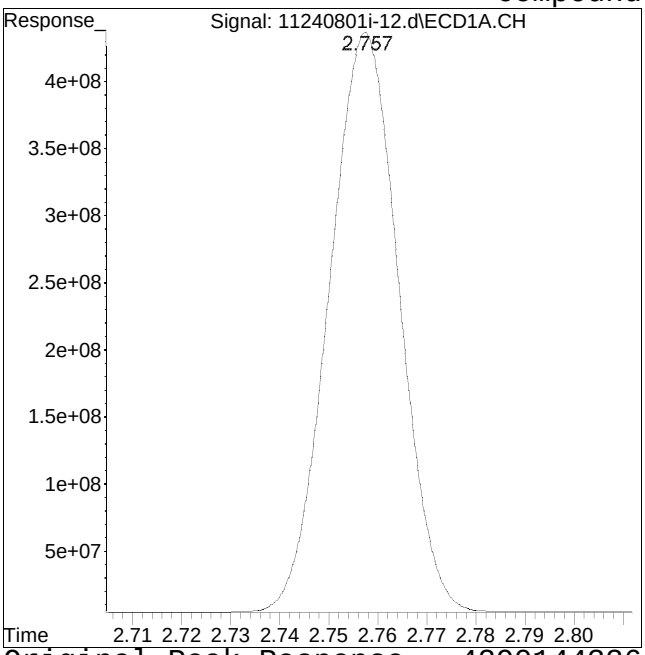
Original Peak Response = 3942107766 Manual Peak Response = 3941595316 M4
M4 = Poor automated baseline construction.

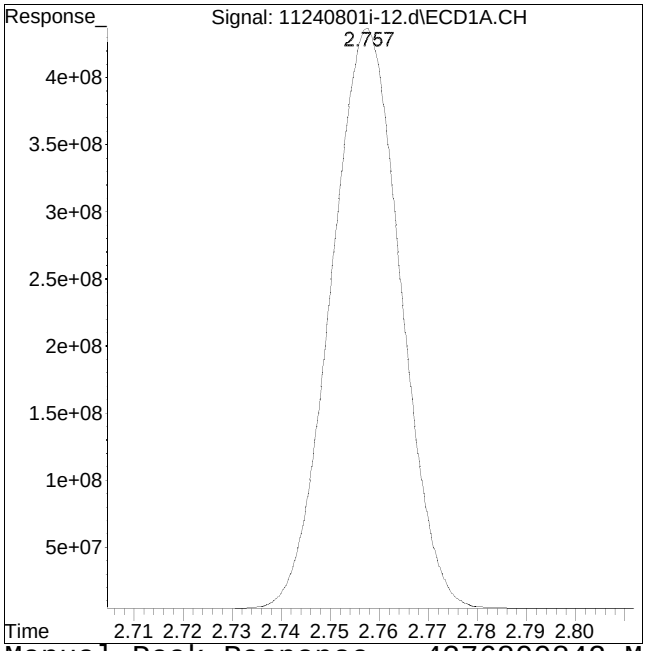
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #9: Aldrin



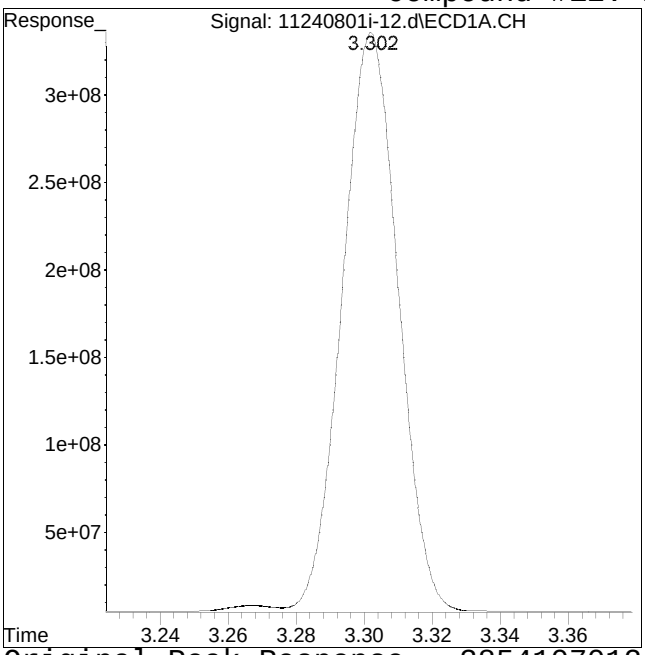


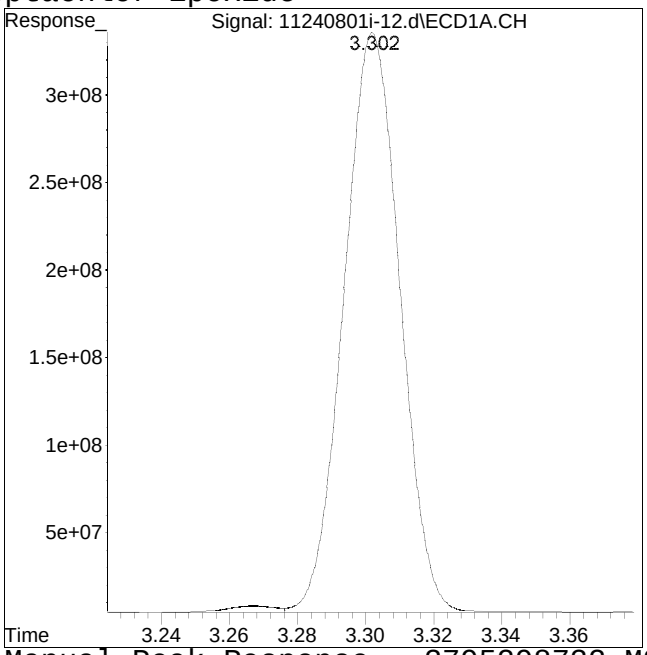
Original Peak Response = 4290144336 Manual Peak Response = 4276800842 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #12: Heptachlor Epoxide



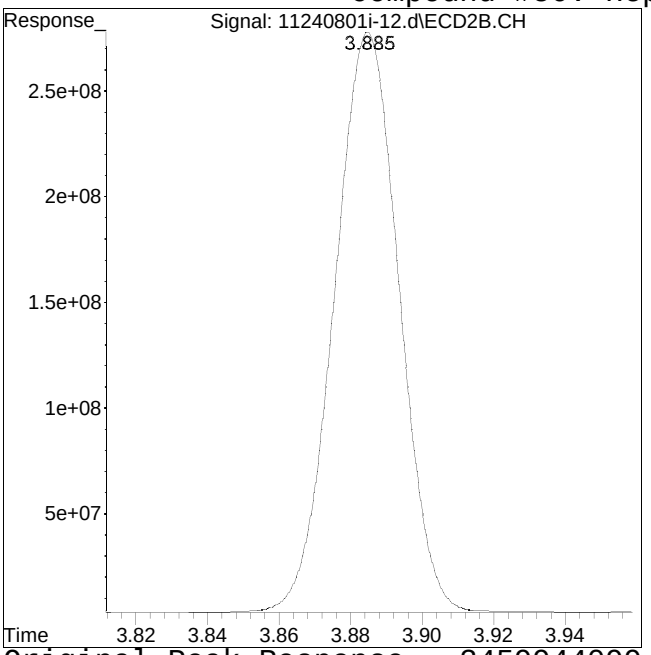


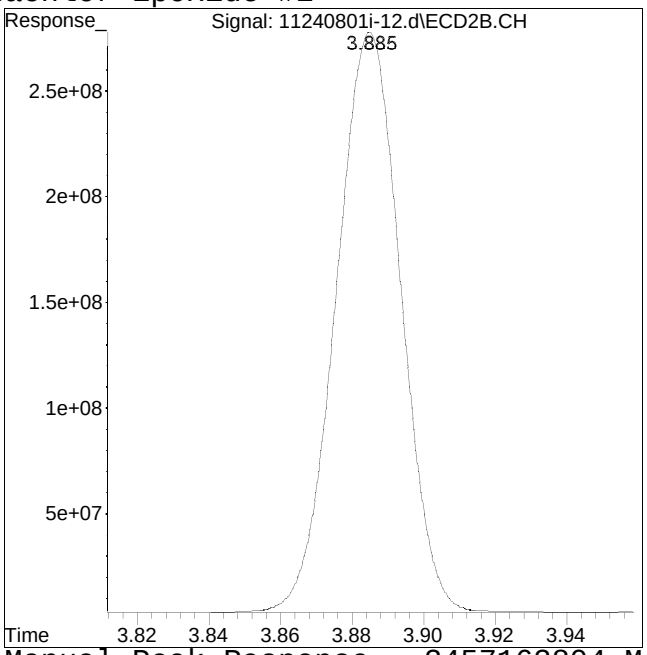
Original Peak Response = 3854107012 Manual Peak Response = 3795298732 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #50: Heptachlor Epoxide #2





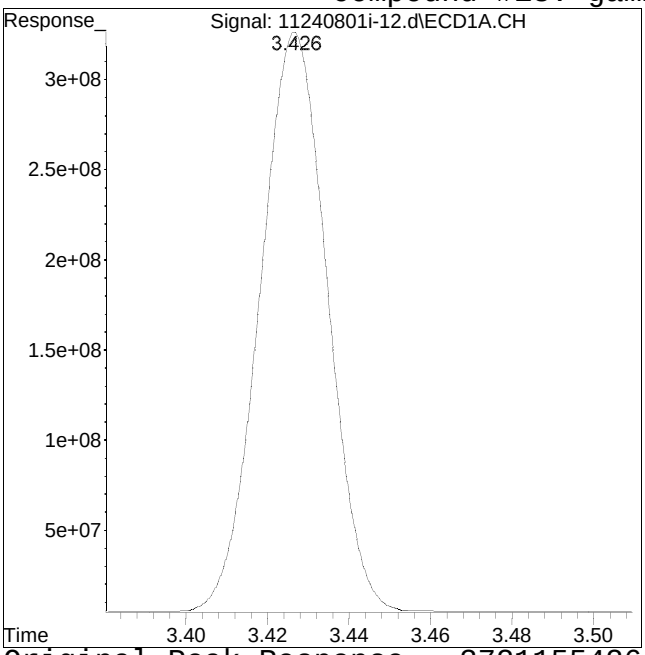
Original Peak Response = 3459944099 Manual Peak Response = 3457163804 M4
M4 = Poor automated baseline construction.

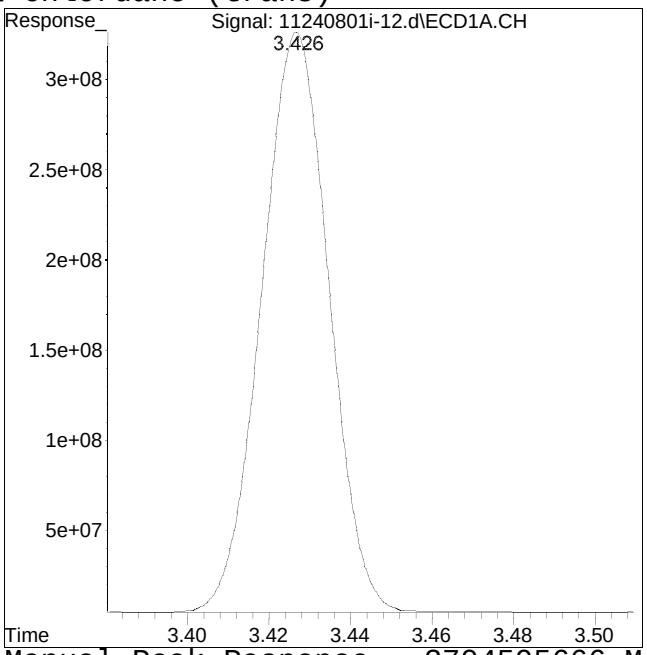
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #13: gamma-Chlordane (trans)



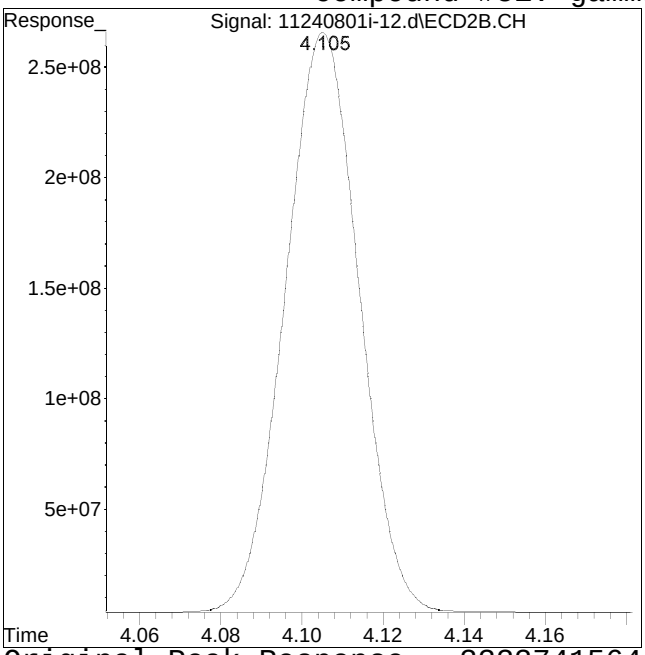


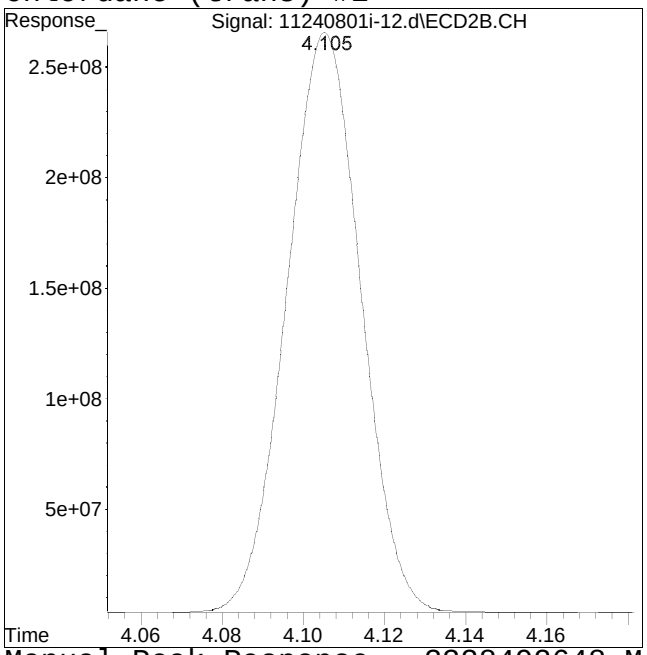
Original Peak Response = 3721155426 Manual Peak Response = 3704595666 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #51: gamma-Chlordane (trans) #2



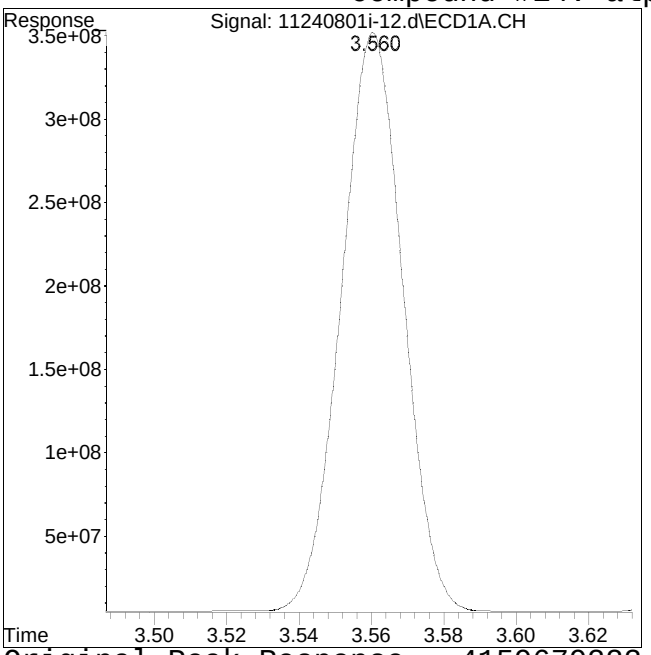


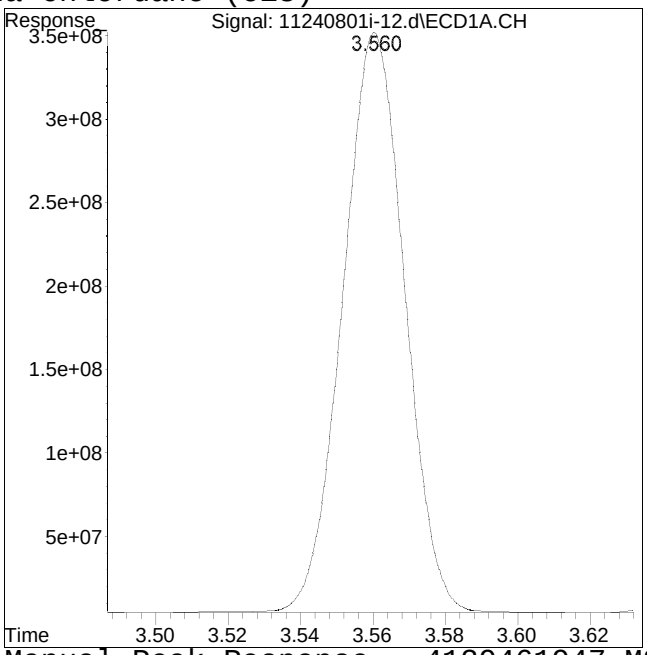
Original Peak Response = 3333741564 Manual Peak Response = 3328492648 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #14: alpha-Chlordane (cis)





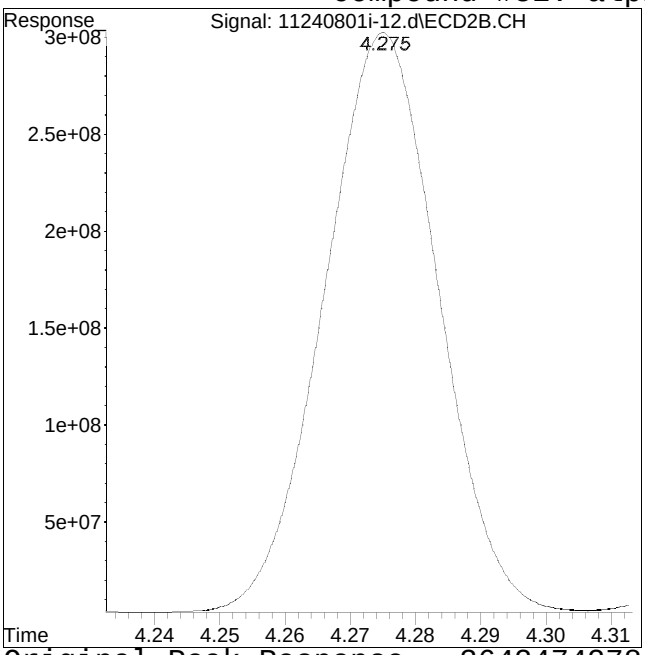
Original Peak Response = 4159679223 Manual Peak Response = 4129461947 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

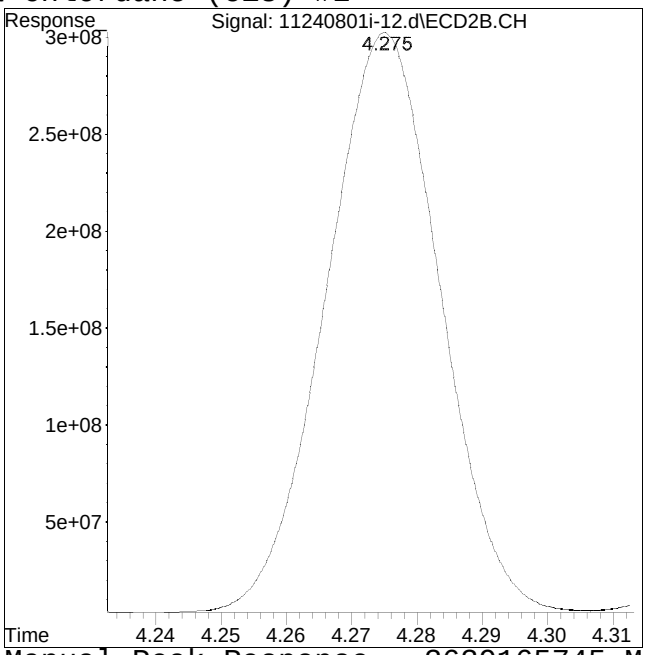
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #52: alpha-Chlordane (cis) #2





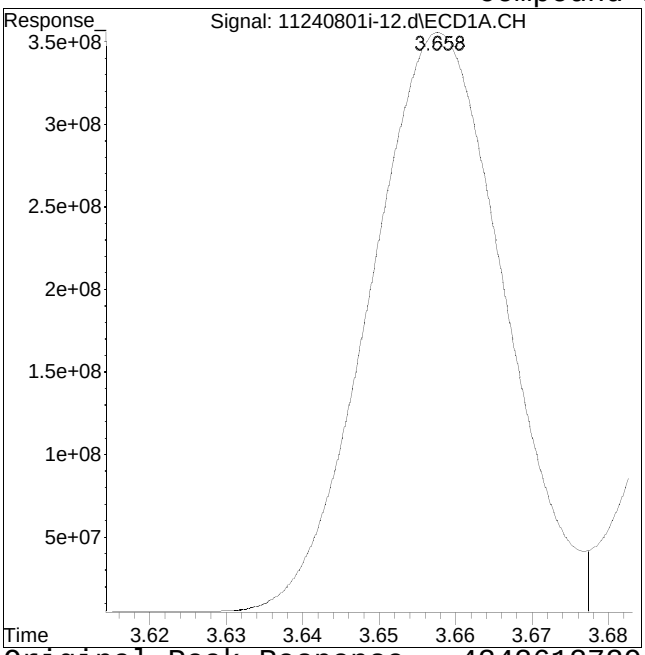
Original Peak Response = 3642474278 Manual Peak Response = 3639165745 M4
M4 = Poor automated baseline construction.

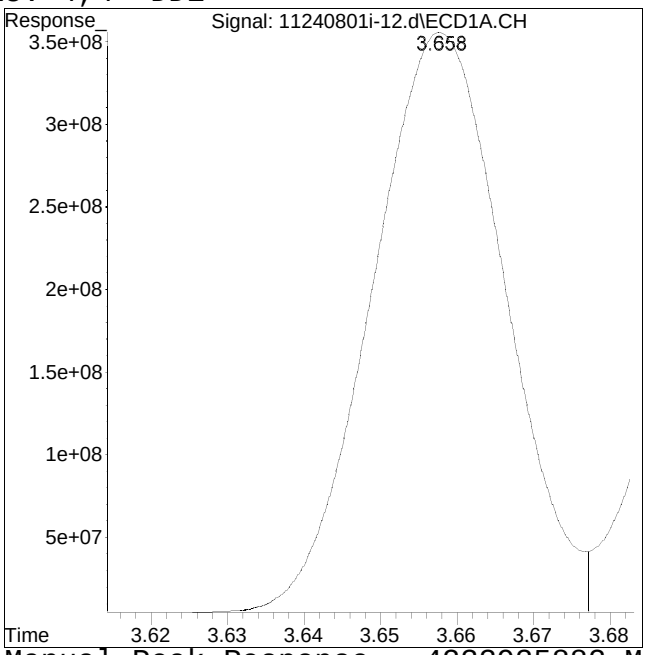
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #15: 4,4'-DDE





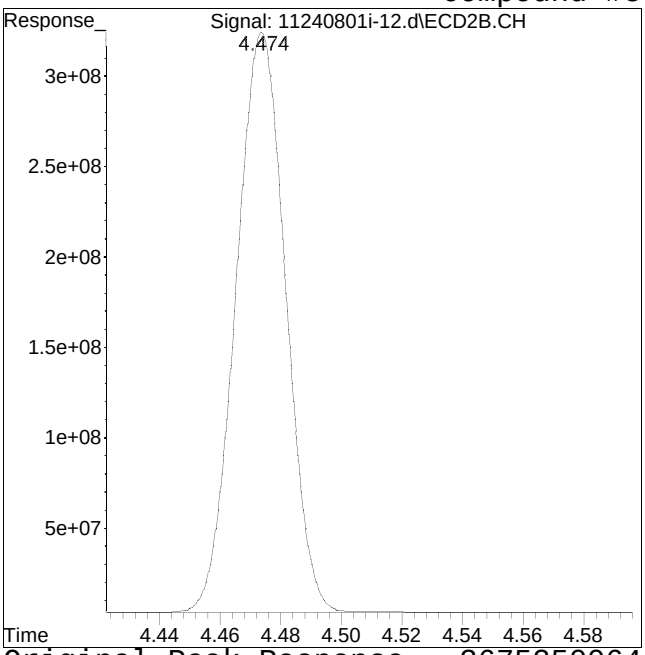
Original Peak Response = 4242612729 Manual Peak Response = 4233935882 M4
M4 = Poor automated baseline construction.

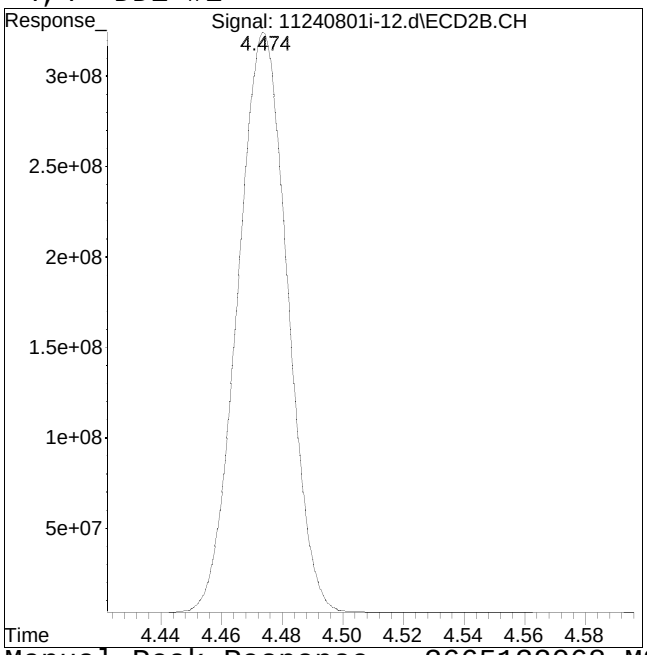
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #53: 4,4'-DDE #2





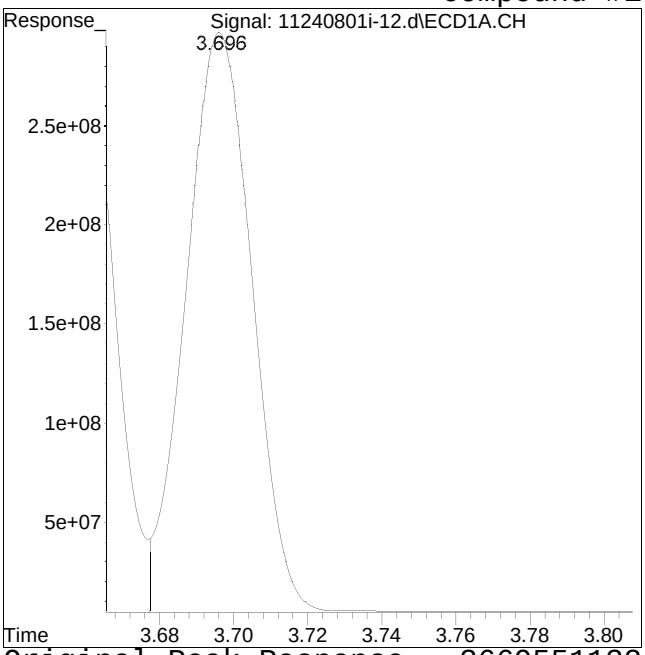
Original Peak Response = 3675250064 Manual Peak Response = 3665132068 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

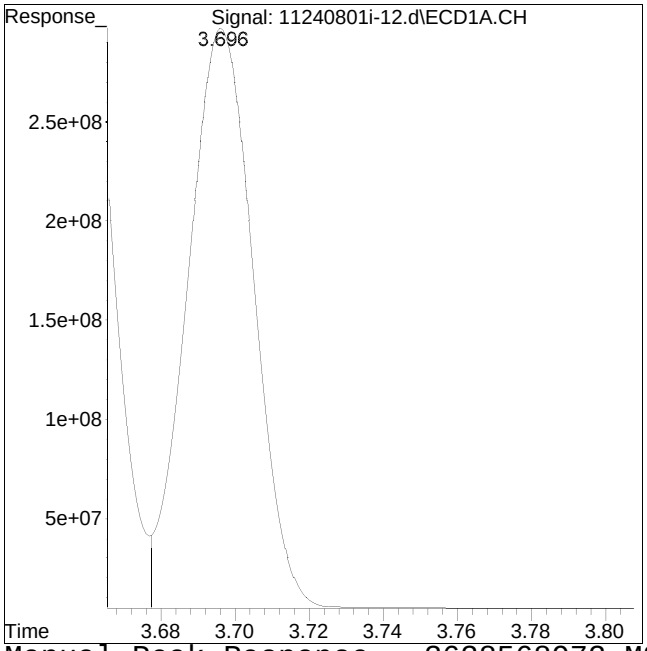
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #16: Endosulfan I



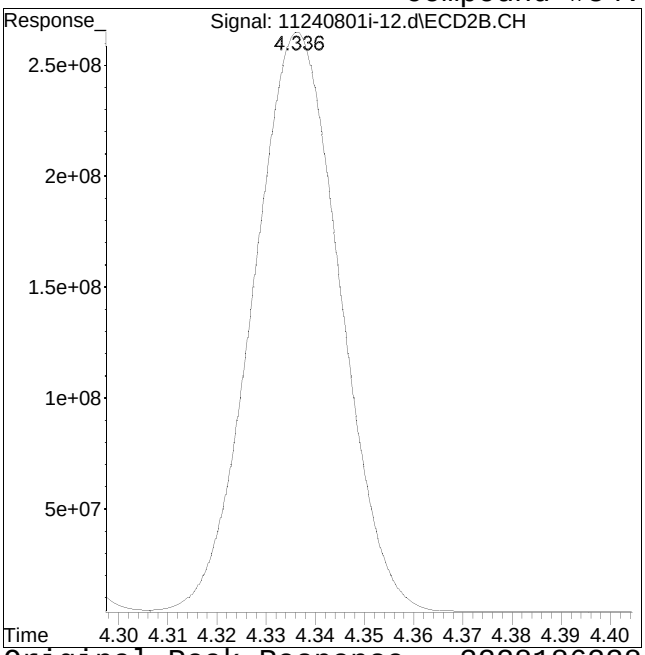


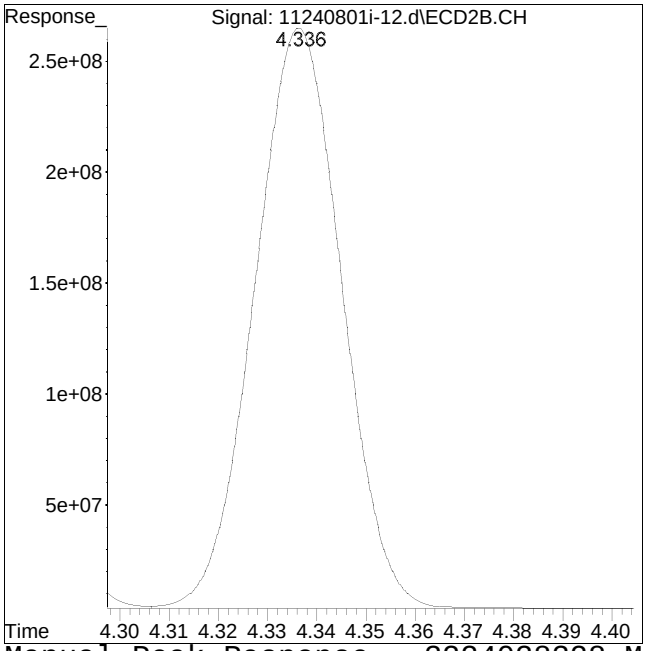
Original Peak Response = 3669551132 Manual Peak Response = 3638568973 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #54: Endosulfan I #2





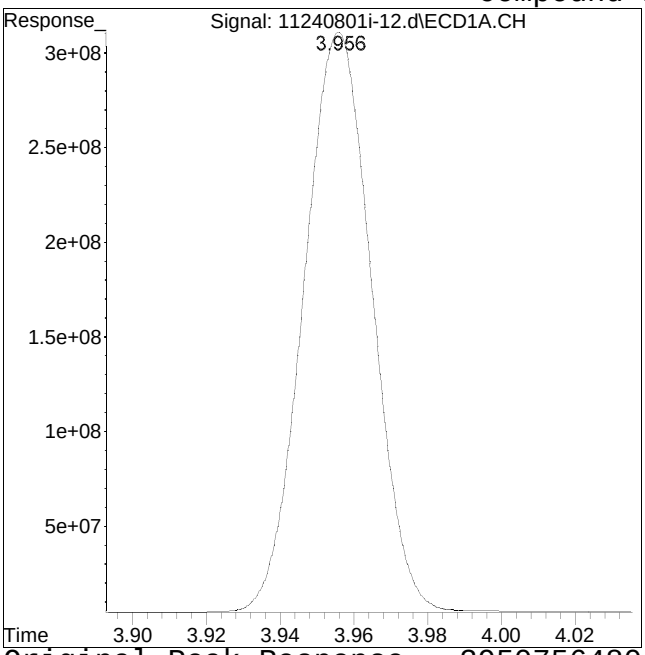
Original Peak Response = 3228186238 Manual Peak Response = 3224038328 M4
M4 = Poor automated baseline construction.

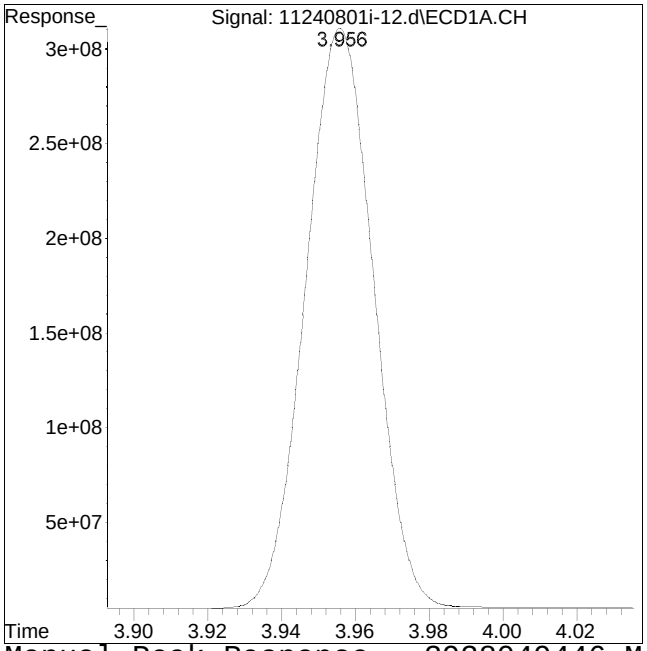
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #17: Dieldrin





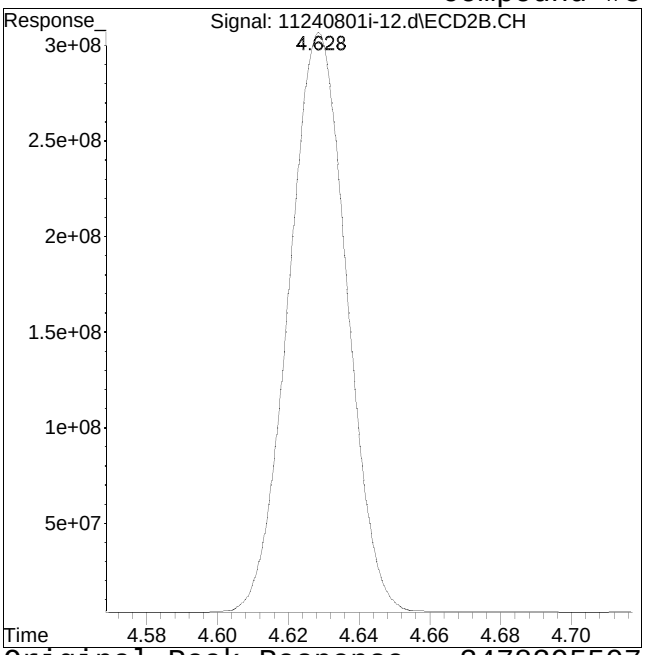
Original Peak Response = 3950756480 Manual Peak Response = 3938049446 M4
M4 = Poor automated baseline construction.

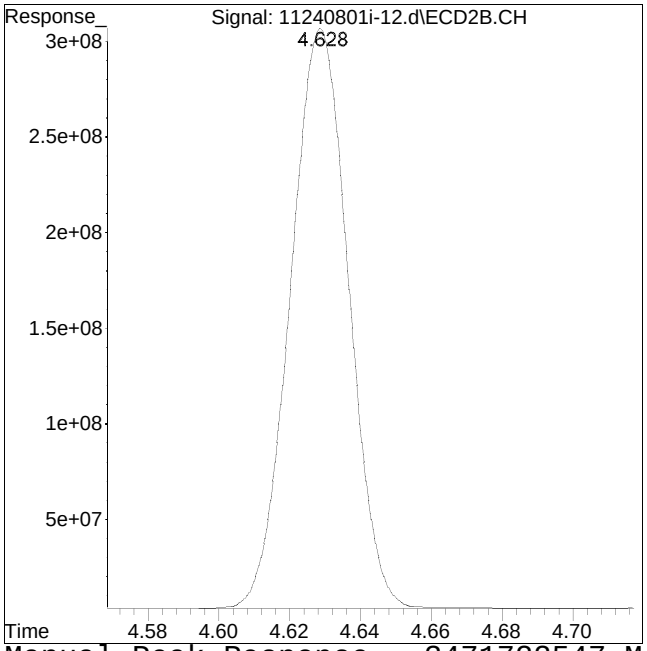
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #55: Dieldrin #2



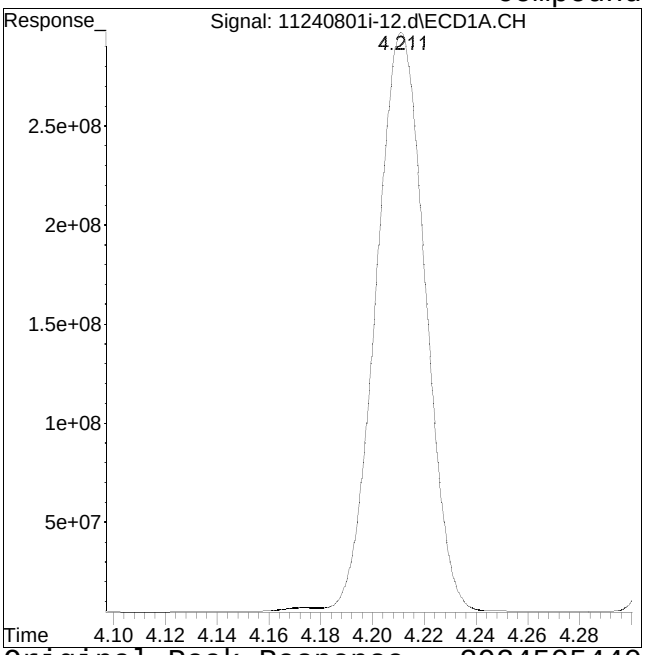


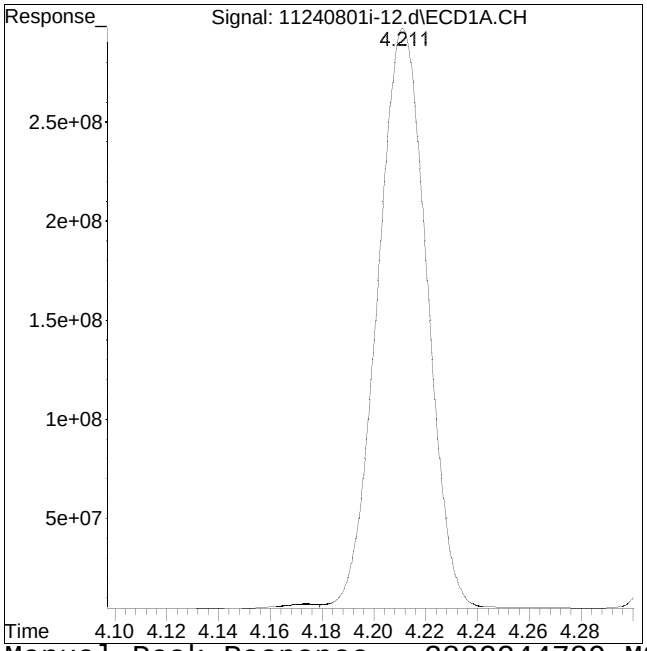
Original Peak Response = 3478395507 Manual Peak Response = 3471722547 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #18: Endrin



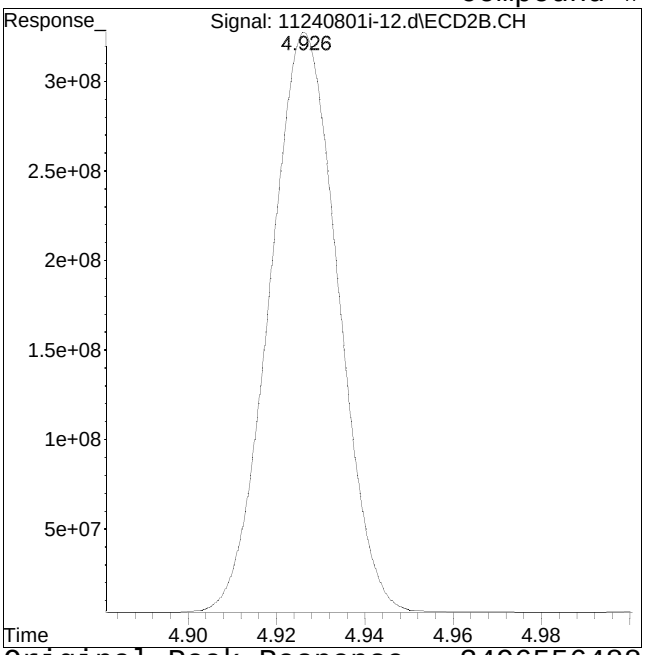


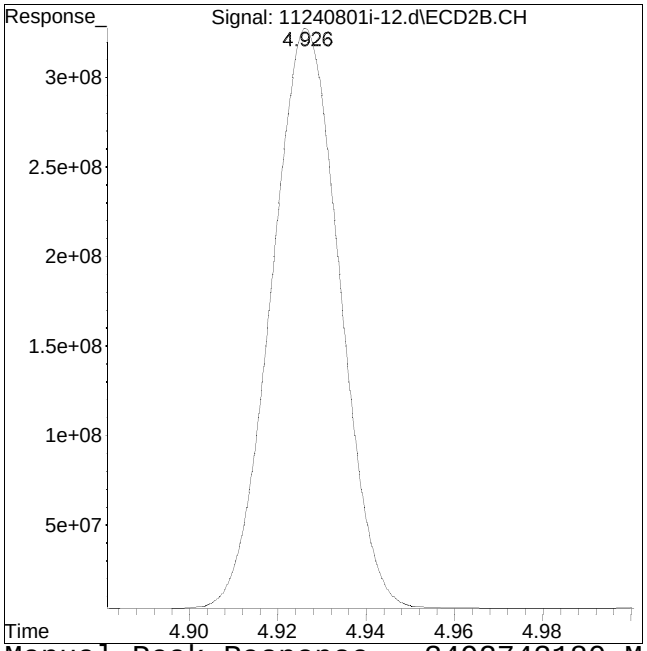
Original Peak Response = 3924505440 Manual Peak Response = 3882244789 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #56: Endrin #2





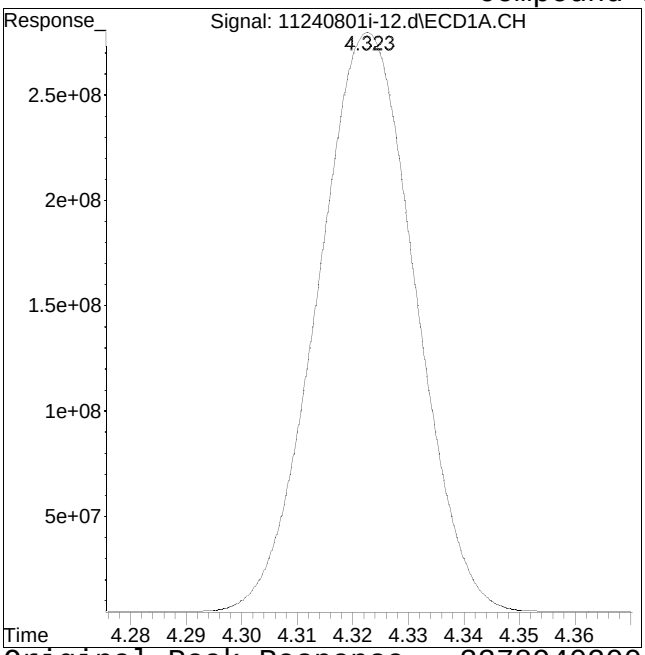
Original Peak Response = 3496556488 Manual Peak Response = 3492743180 M4
M4 = Poor automated baseline construction.

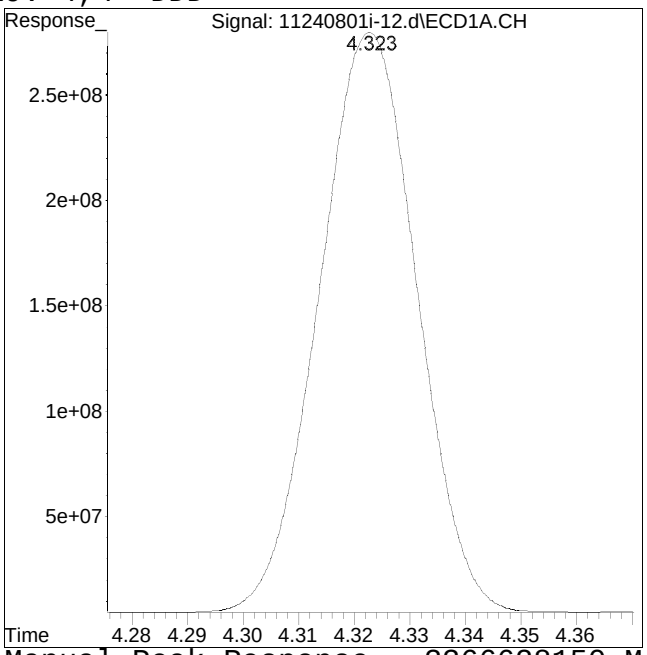
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #19: 4,4'-DDD





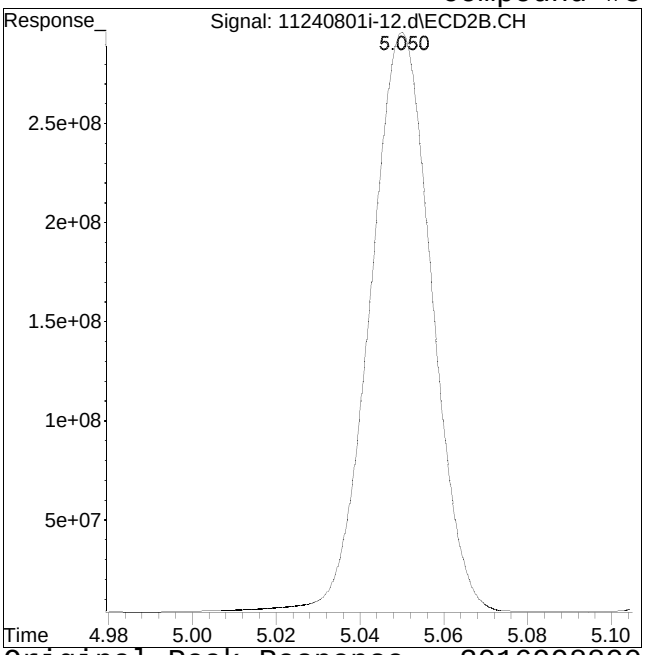
Original Peak Response = 3378940200 Manual Peak Response = 3366628150 M4
M4 = Poor automated baseline construction.

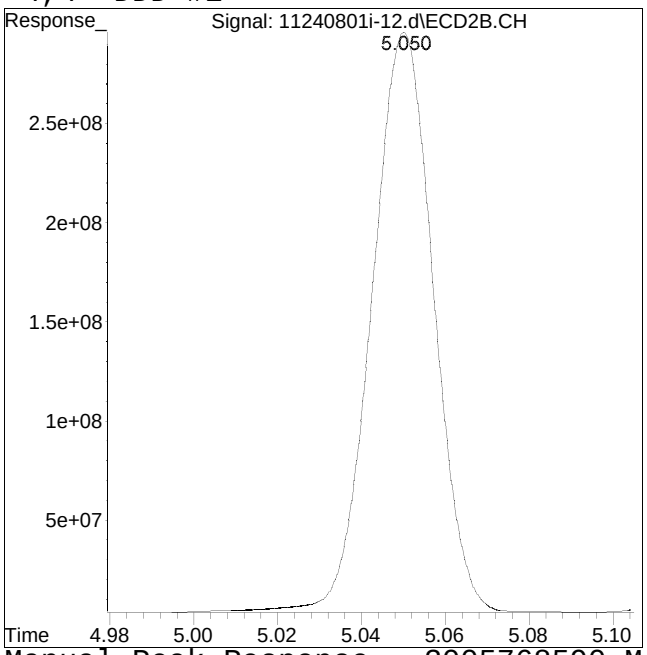
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #57: 4,4'-DDD #2



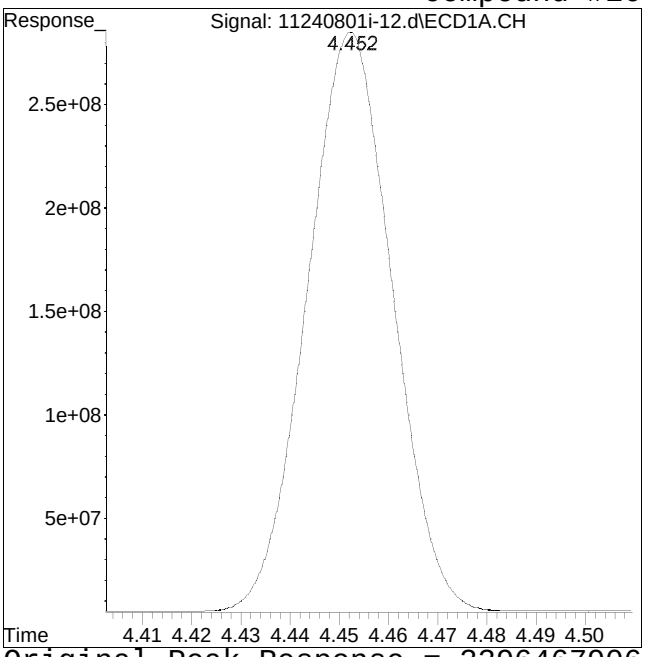


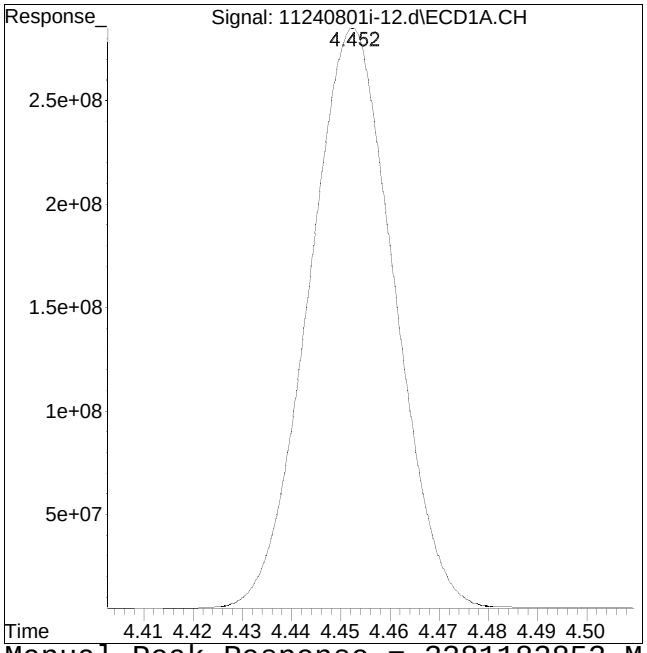
Original Peak Response = 3016998800 Manual Peak Response = 3005768590 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #20: Endosulfan II



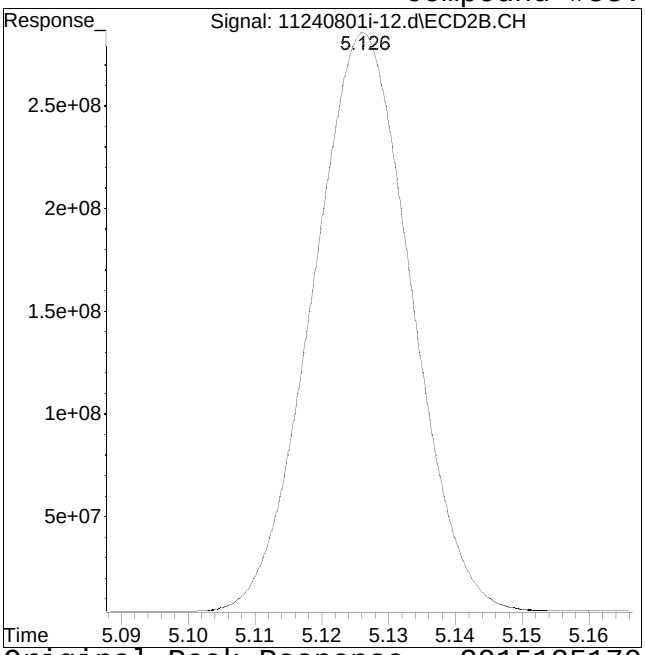


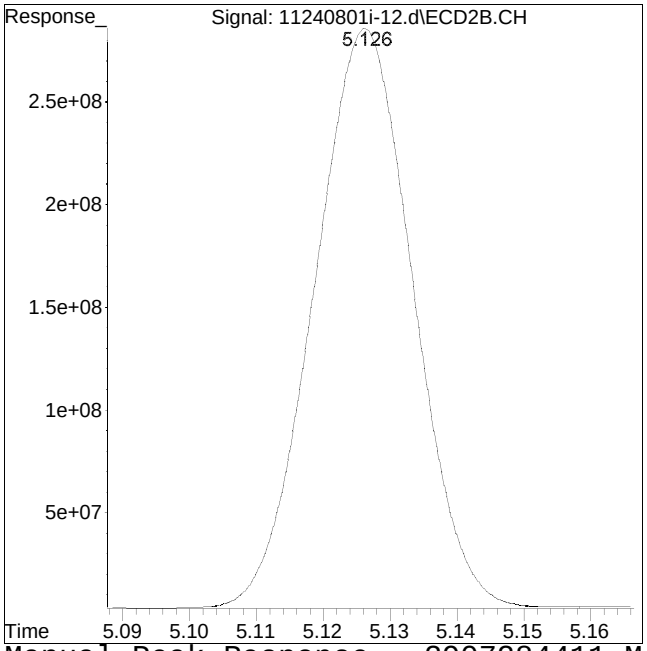
Original Peak Response = 3396467906 Manual Peak Response = 3381182853 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #58: Endosulfan II #2





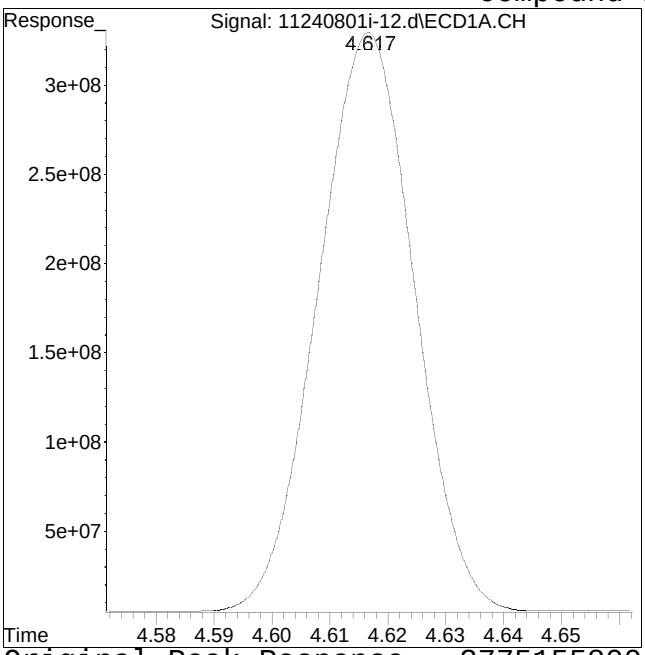
Original Peak Response = 2915125170 Manual Peak Response = 2907284411 M4
M4 = Poor automated baseline construction.

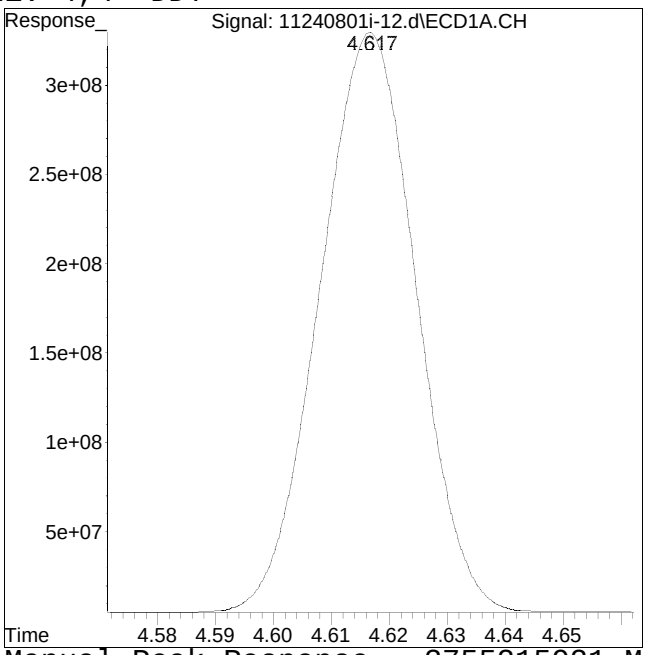
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #21: 4,4'-DDT





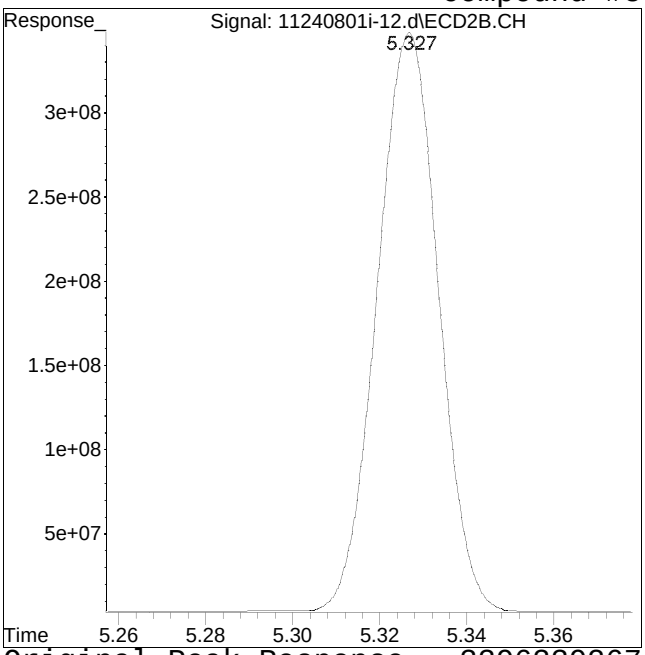
Original Peak Response = 3775155800 Manual Peak Response = 3755215921 M4
M4 = Poor automated baseline construction.

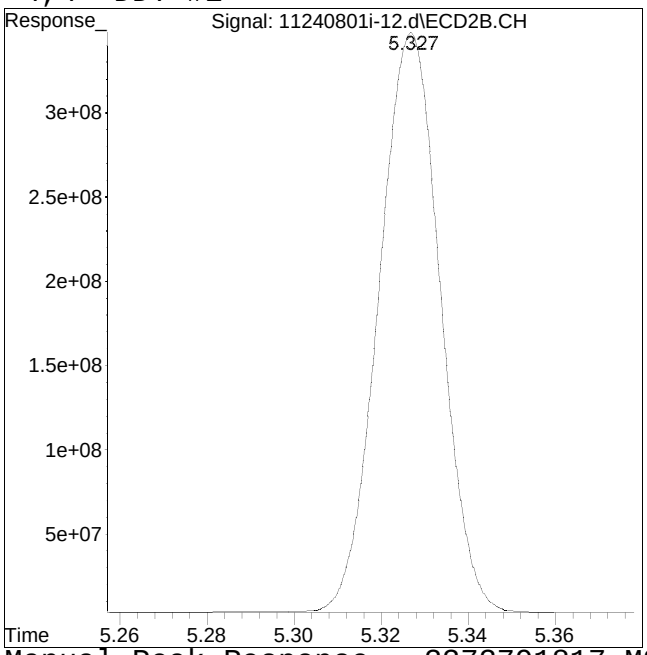
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #59: 4,4'-DDT #2





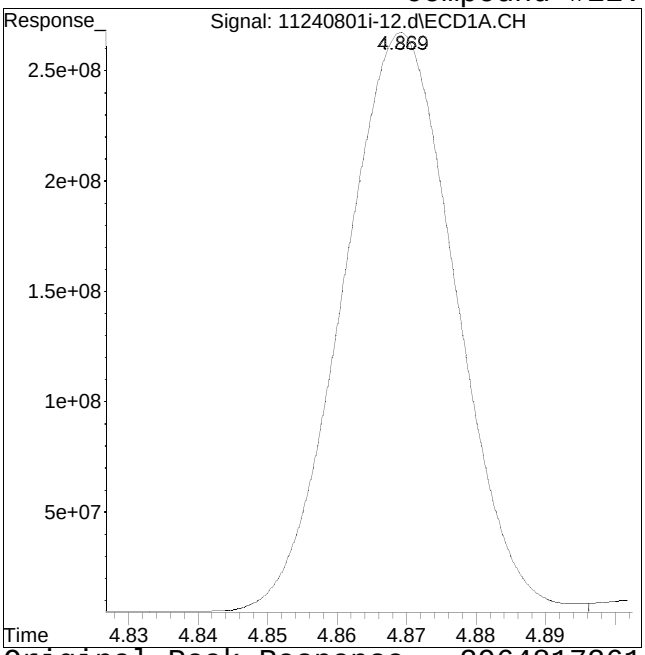
Original Peak Response = 3396339267 Manual Peak Response = 3373791817 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

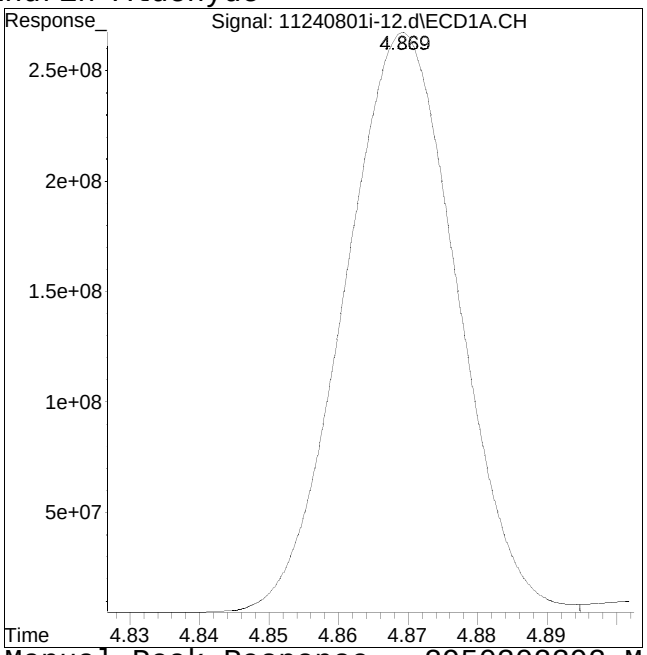
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #22: Endrin Aldehyde





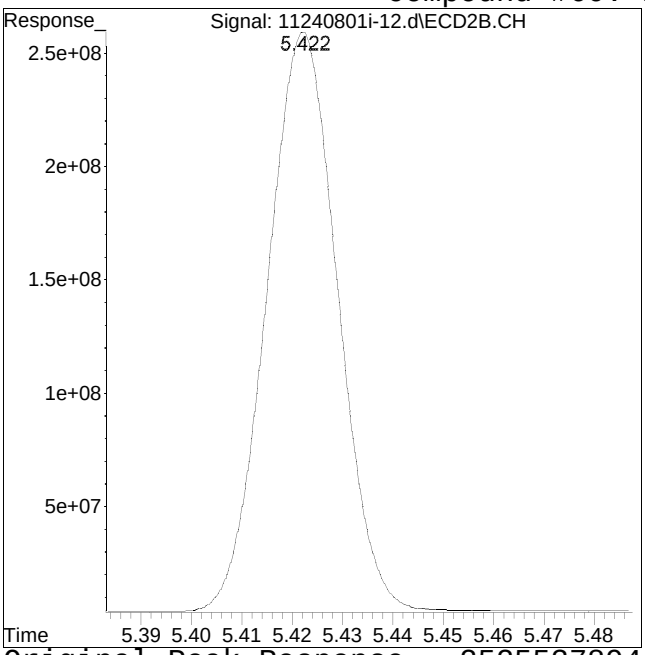
Original Peak Response = 2964817261 Manual Peak Response = 2950302392 M4
M4 = Poor automated baseline construction.

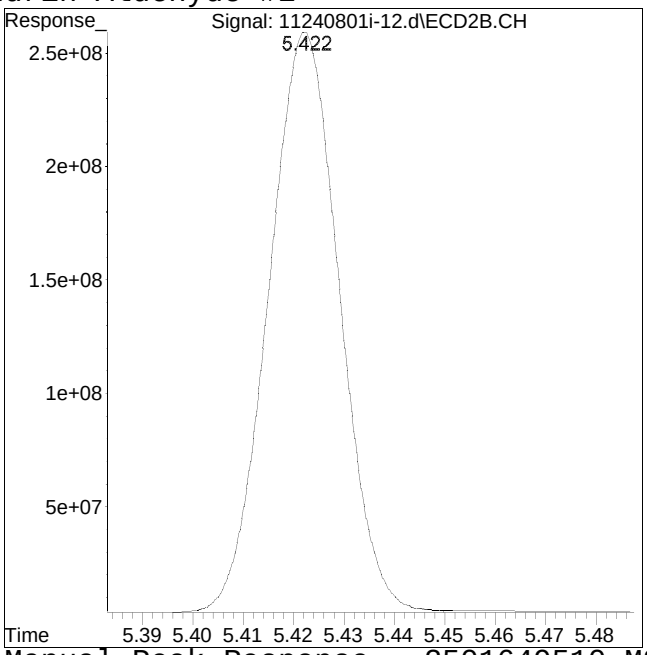
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #60: Endrin Aldehyde #2





Original Peak Response = 2525537894 Manual Peak Response = 2501649510 M3

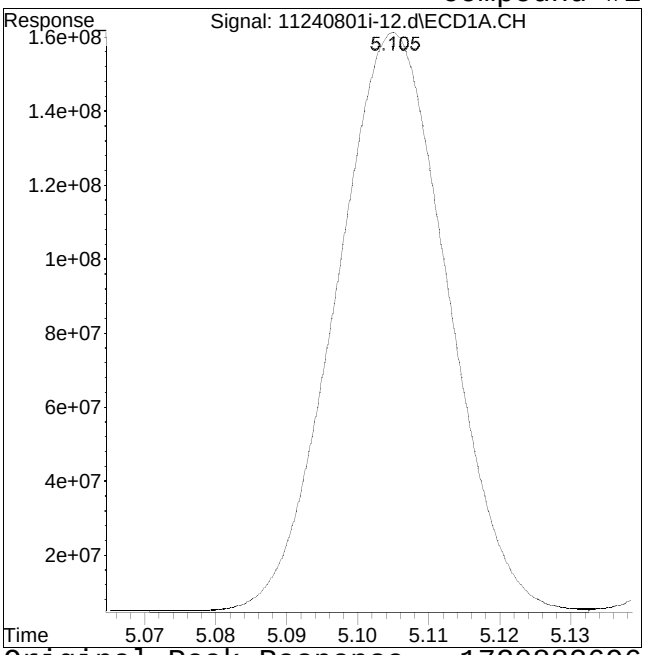
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

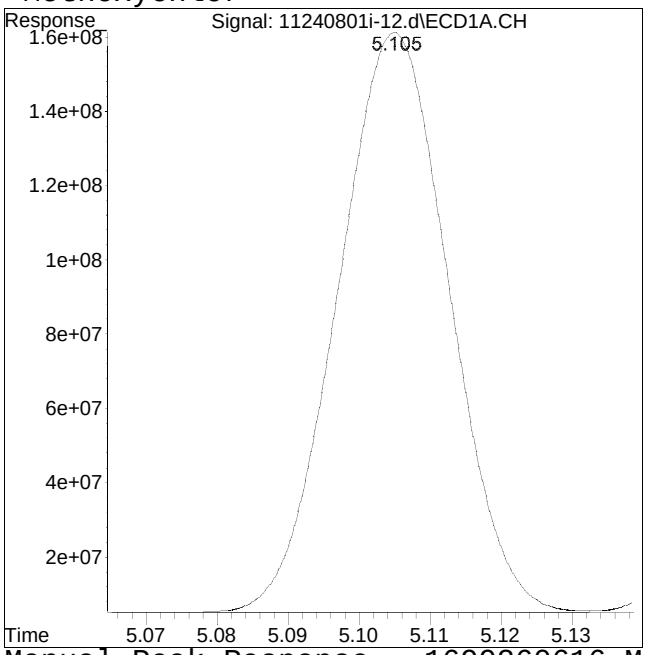
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #23: Methoxychlor



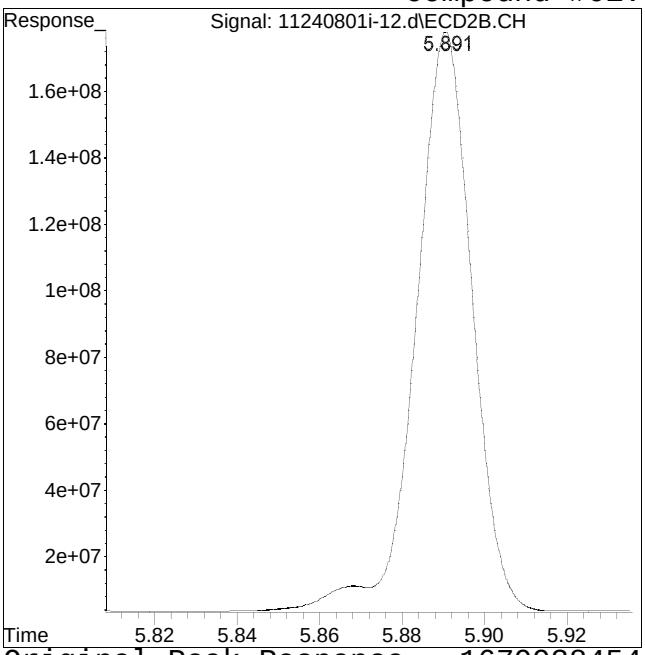


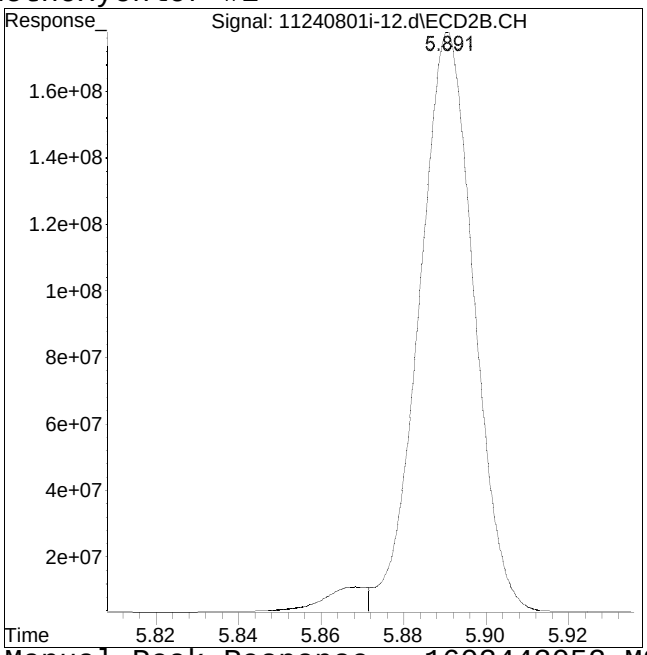
Original Peak Response = 1720883696 Manual Peak Response = 1699260616 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #61: Methoxychlor #2



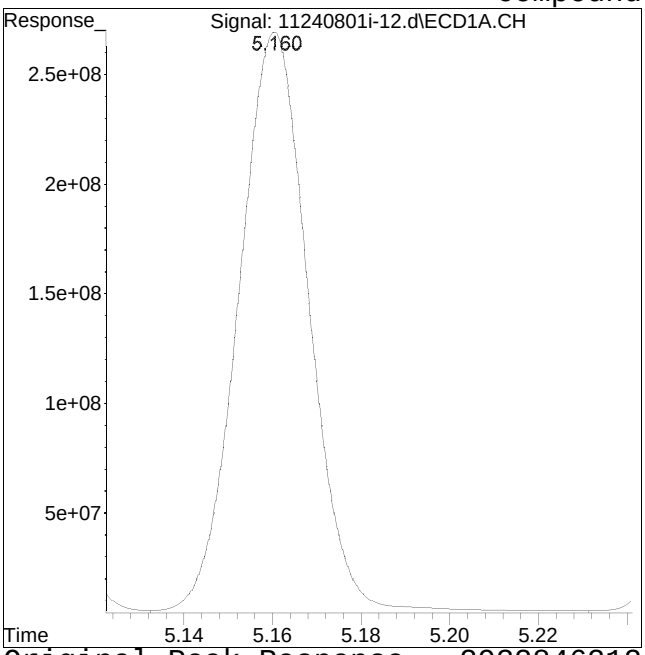


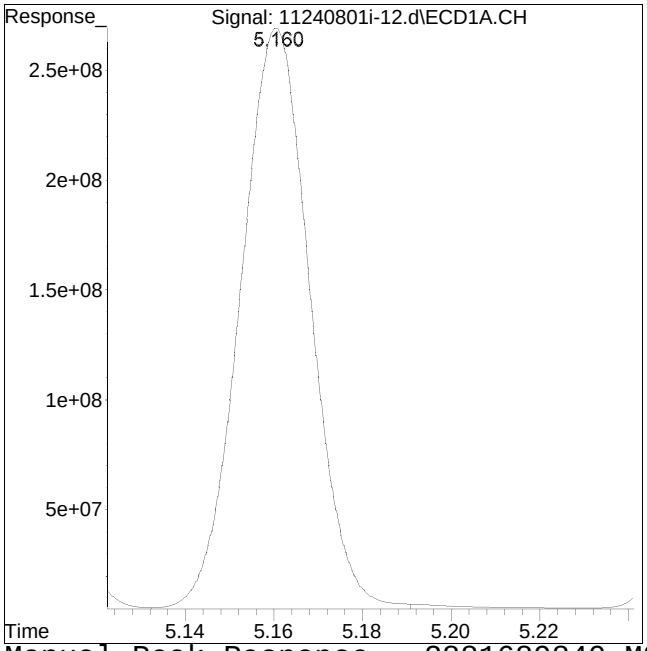
Original Peak Response = 1679938454 Manual Peak Response = 1603443052 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #24: Mirex





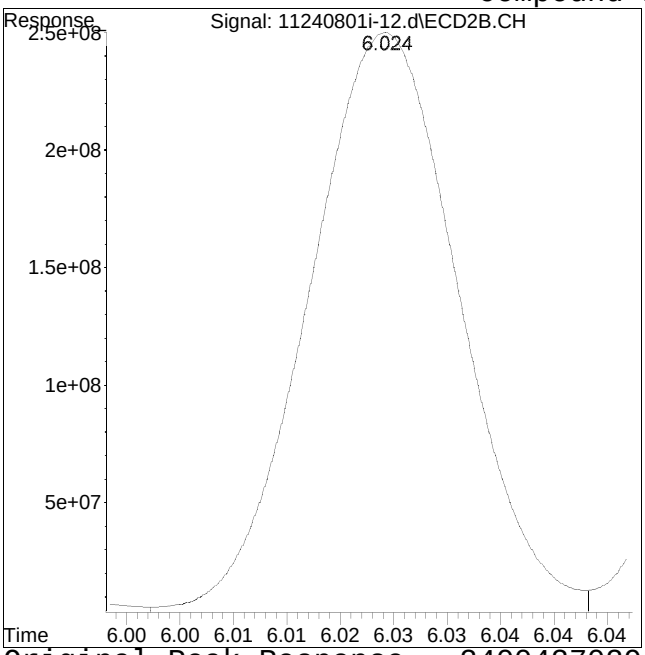
Original Peak Response = 2932846212 Manual Peak Response = 2881689840 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

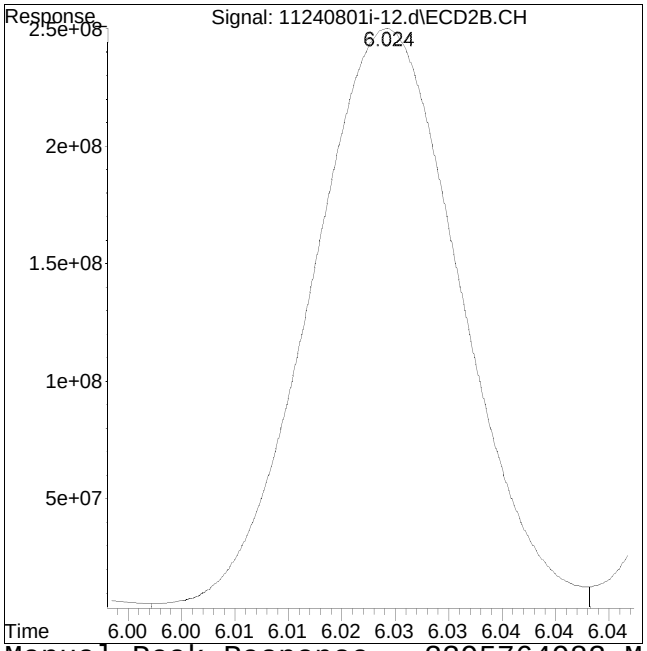
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #62: Mirex #2



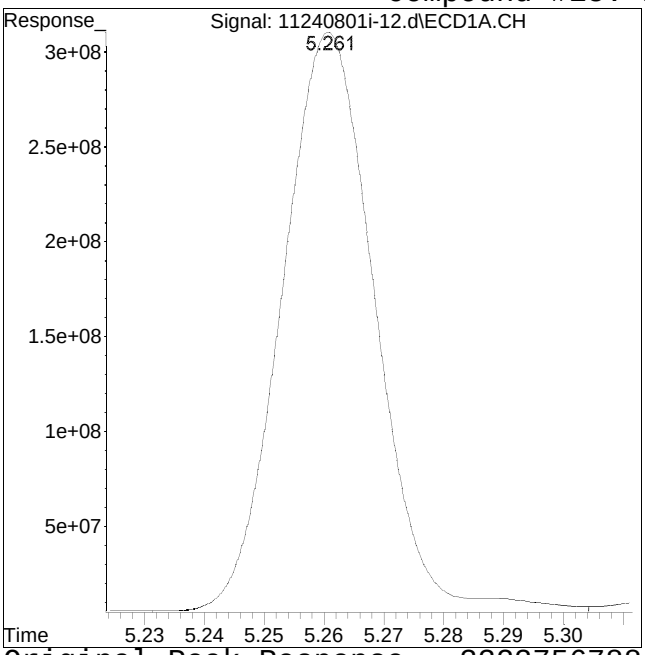


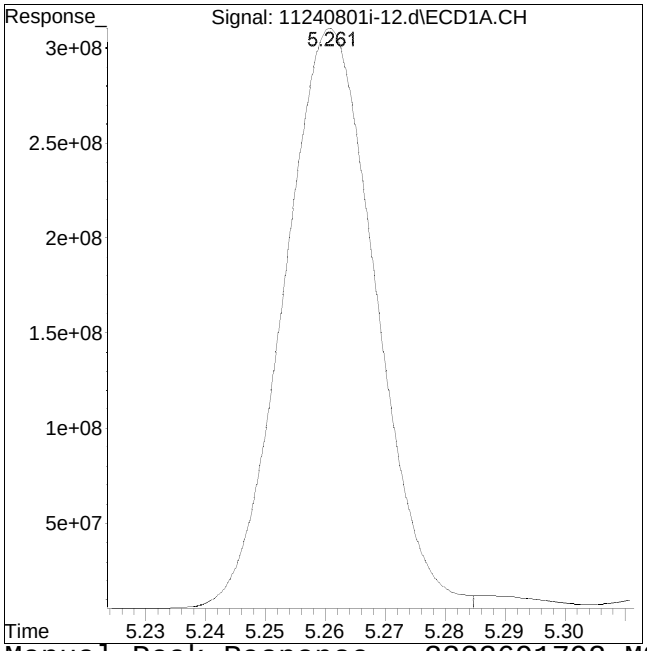
Original Peak Response = 2400427029 Manual Peak Response = 2395764983 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #25: Endosulfan Sulfate





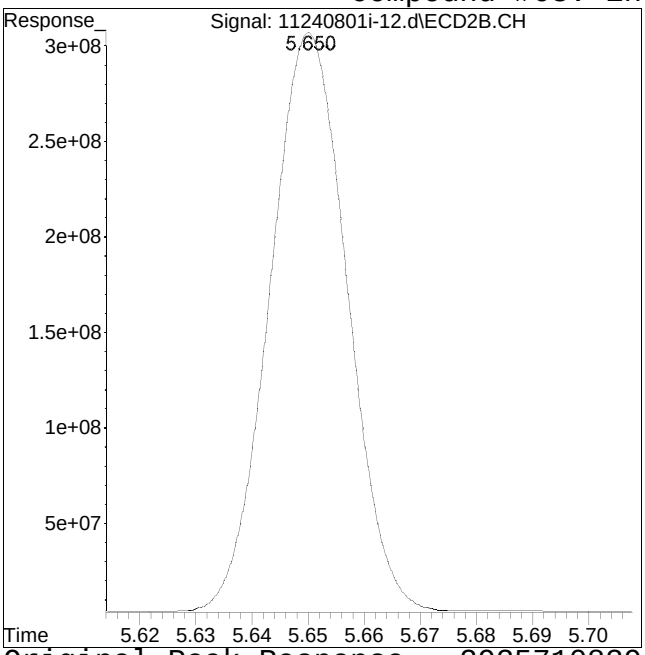
Original Peak Response = 3323756788 Manual Peak Response = 3233691792 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

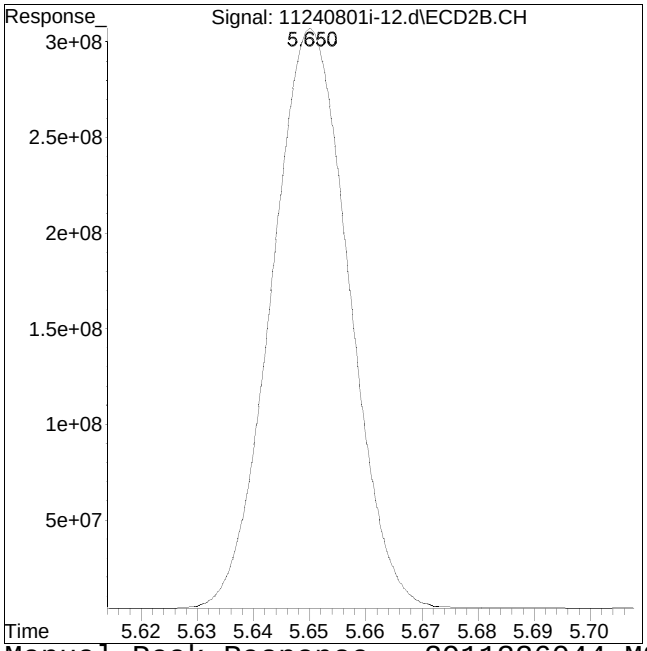
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #63: Endosulfan Sulfate #2



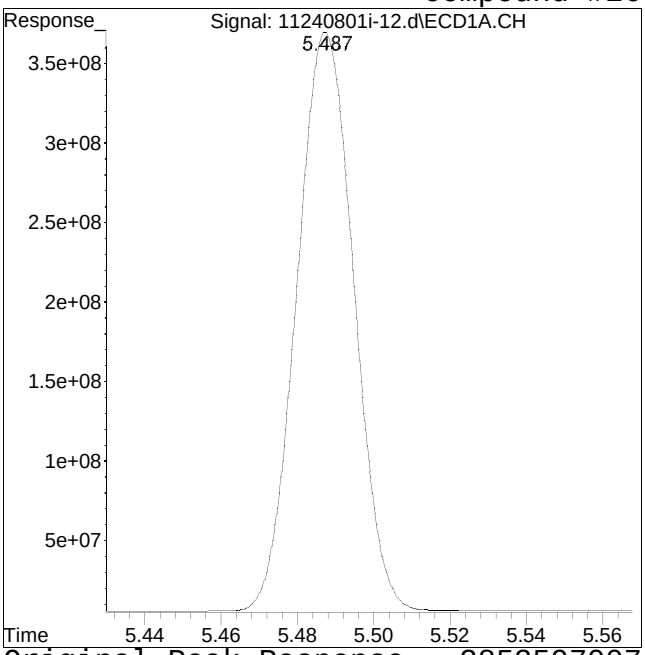


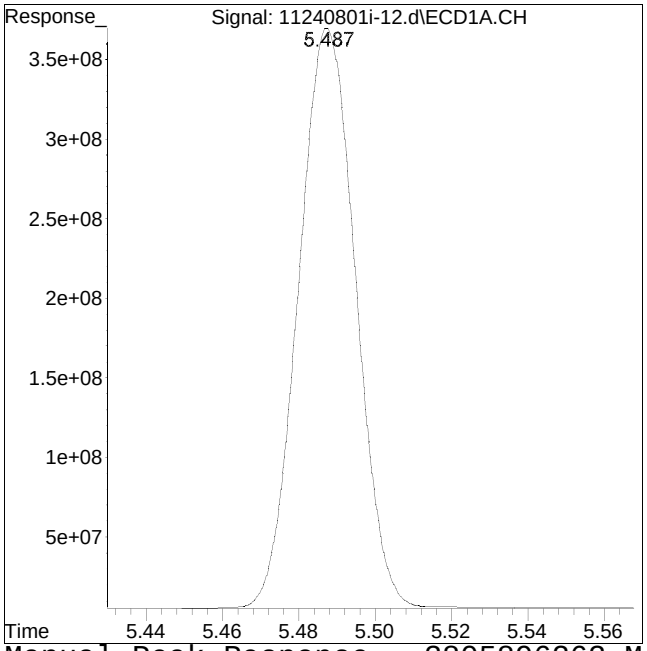
Original Peak Response = 2935710839 Manual Peak Response = 2911336044 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #26: Endrin Ketone



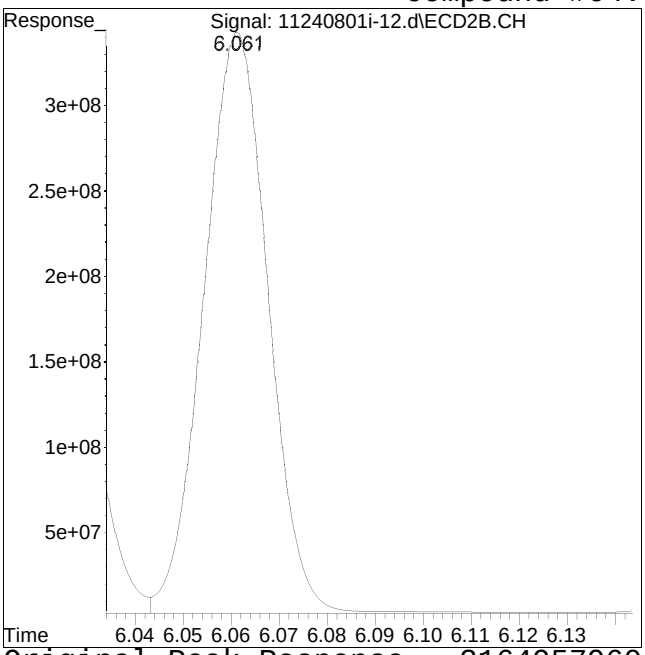


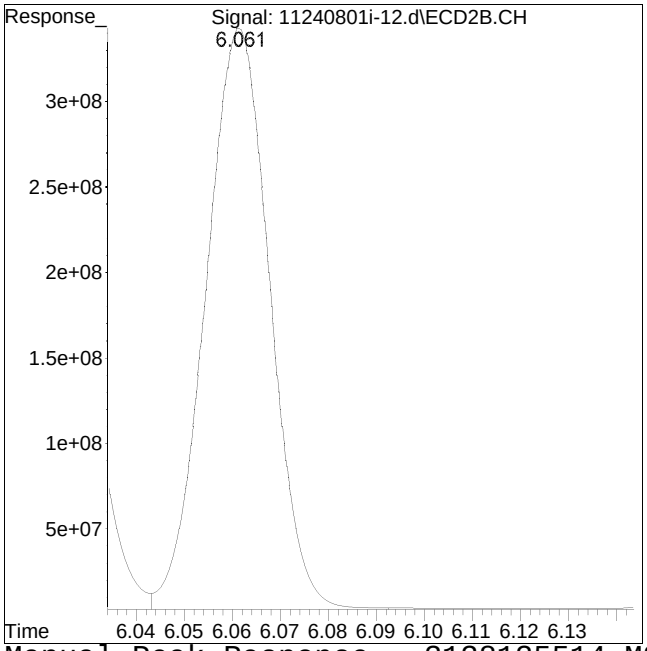
Original Peak Response = 3853597007 Manual Peak Response = 3805896263 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #64: Endrin Ketone #2





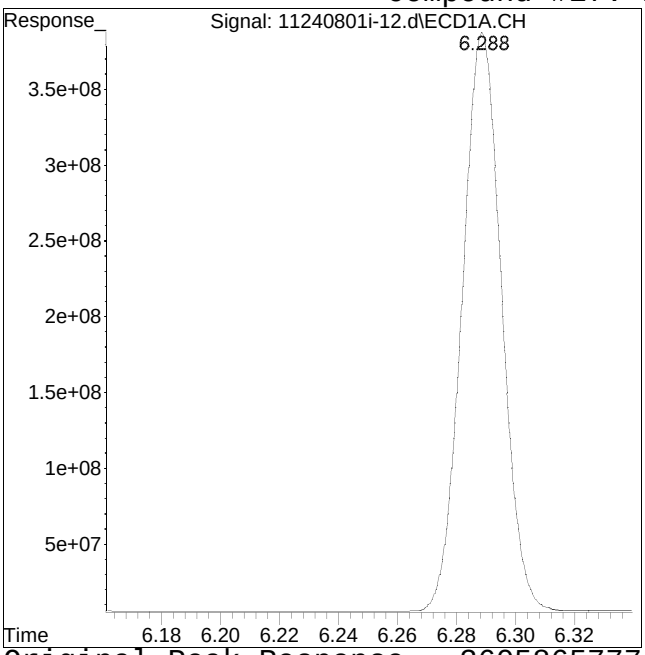
Original Peak Response = 3164957960 Manual Peak Response = 3138135514 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

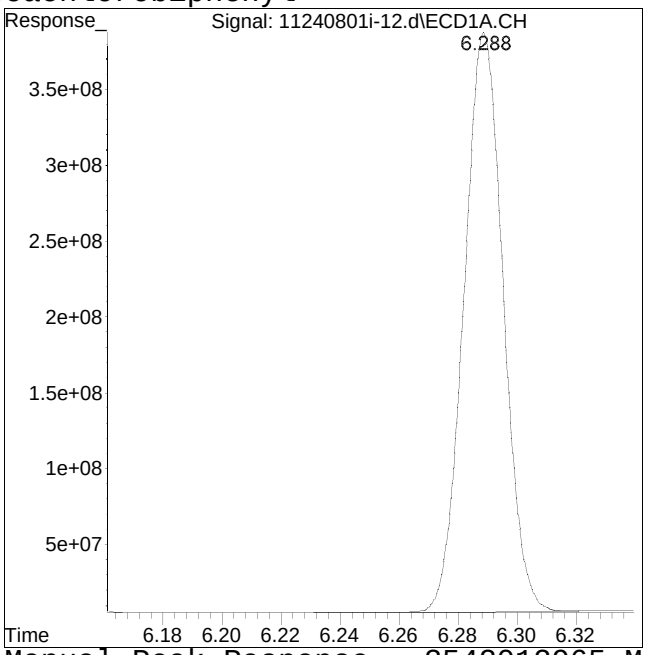
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #27: Decachlorobiphenyl



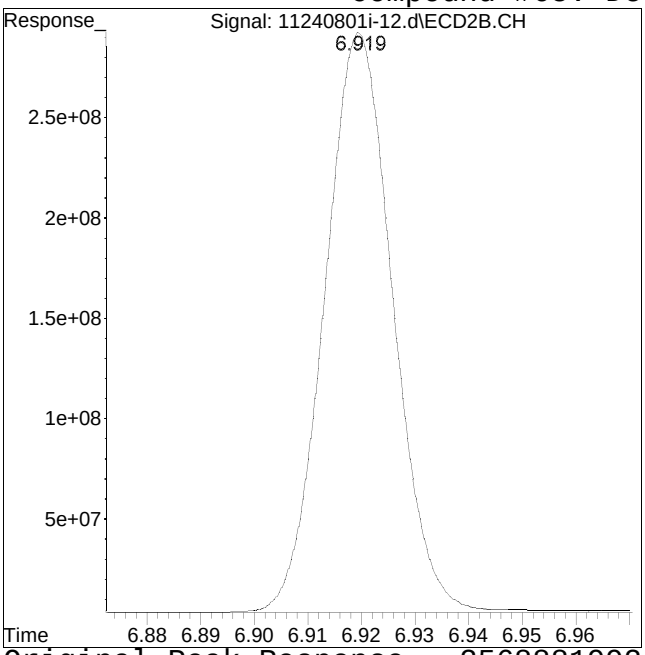


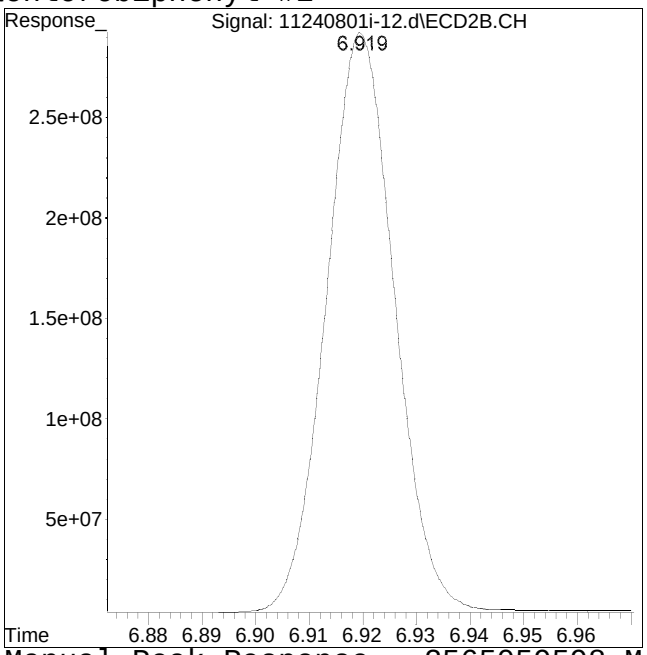
Original Peak Response = 3605865777 Manual Peak Response = 3542012965 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 2568881992 Manual Peak Response = 2565059598 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	97	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	1.028	1.1	93	0.00
3	t	Hexachlorobenzene		1.406	1.322	6.0	93	0.00
4	t	alpha-BHC		1.461	1.501	-2.7	90	0.00
5	t	gamma-BHC (lindane)		1.395	1.357	2.7	88	0.00
6	t	beta-BHC		0.628	0.580	7.6	90	0.00
7	t	delta-BHC		1.374	1.334	2.9	85	0.00
8	t	Heptachlor		1.321	1.281	3.0	89	0.00
9	t	Aldrin		1.233	1.226	0.6	90	0.00
10	t	Alachlor		0.230	0.221	3.9	92	0.00
11	t	Chlorpyrifos		0.590	0.520	11.9	91	0.00
12	t	Heptachlor Epoxide		1.185	1.133	4.4	89	0.00
13	t	gamma-Chlordane (trans)		1.077	1.158	-7.5	101	0.00
14	t	alpha-Chlordane (cis)		1.216	1.146	5.8	88	0.00
15	t	4,4'-DDE		1.192	1.168	2.0	90	0.00
16	t	Endosulfan I		1.116	1.064	4.7	89	0.00
17	t	Dieldrin		1.135	1.204	-6.1	97	0.00
18	t	Endrin		1.153	1.120	2.9	88	0.00
19	t	4,4'-DDD		0.927	0.970	-4.6	96	0.00
20	t	Endosulfan II		1.052	1.055	-0.3	93	0.00
21	t	4,4'-DDT		1.058	1.044	1.3	91	0.00
22	t	Endrin Aldehyde		0.886	0.798	9.9	86	0.00
23	t	Methoxychlor		0.592	0.578	2.4	96	0.00
24	t	Mirex		0.938	0.888	5.3	95	0.00
25	t	Endosulfan Sulfate		1.010	0.981	2.9	93	0.00
26	t	Endrin Ketone		1.183	1.257	-6.3	99	0.00
27	s	Decachlorobiphenyl		1.163	1.085	6.7	99	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	97	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	1.042	6.5	91	0.00
3	t	Hexachlorobenzene		1.239	1.113	10.2	92	0.00
4	t	alpha-BHC		1.620	1.576	2.7	88	0.00
5	t	gamma-BHC (lindane)		1.539	1.407	8.6	87	0.00
6	t	beta-BHC	*	50.000	47.735	4.5	89	0.00
7	t	delta-BHC		1.523	1.383	9.2	85	0.00
8	t	Heptachlor		1.598	1.441	9.8	88	0.00
9	t	Aldrin		1.435	1.344	6.3	89	0.00
10	t	Alachlor	*	50.000	52.133	-4.3	92	0.00
11	t	Chlorpyrifos	*	50.000	49.655	0.7	89	0.00
12	t	Heptachlor Epoxide		1.425	1.243	12.8	87	0.00
13	t	gamma-Chlordane (trans)		1.312	1.296	1.2	100	0.00
14	t	alpha-Chlordane (cis)		1.446	1.265	12.5	88	0.00
15	t	4,4'-DDE		1.343	1.252	6.8	88	0.00
16	t	Endosulfan I		1.332	1.167	12.4	88	0.00
17	t	Dieldrin		1.327	1.319	0.6	96	0.00
18	t	Endrin		1.347	1.231	8.6	88	0.00
19	t	4,4'-DDD		1.084	1.070	1.3	94	0.00
20	t	Endosulfan II		1.214	1.119	7.8	92	0.00
21	t	4,4'-DDT		1.250	1.163	7.0	90	0.00
22	t	Endrin Aldehyde	*	50.000	45.377	9.2	85	0.00
23	t	Methoxychlor		0.704	0.626	11.1	94	0.00
24	t	Mirex	*	50.000	50.644	-1.3	94	0.00
25	t	Endosulfan Sulfate		1.199	1.078	10.1	92	0.00
26	t	Endrin Ketone		1.261	1.242	1.5	98	0.00
27	s	Decachlorobiphenyl		1.060	0.941	11.2	95	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.31#
29	l1	chlordane-1	*	0.037	0.000	100.0#	0#	-2.45#
30	l1	chlordane-3	*	0.047	0.000	100.0#	0#	-2.87#
31	l1	chlordane-4	*	0.159	0.000	100.0#	0#	-3.42#
32	l1	chlordane-5	*	0.245	0.000	100.0#	0#	-3.55#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.31#
34	l2	toxaphene-2	*	0.050	0.000	100.0#	0#	-4.44#
35	l2	toxaphene-3	*	0.039	0.000	100.0#	0#	-4.57#
36	l2	toxaphene-4	*	0.042	0.000	100.0#	0#	-4.79#
37	l2	toxaphene-5	*	0.043	0.000	100.0#	0#	-5.17#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.39#
29	l1	chlordane-1	*	0.043	0.000	100.0#	0#	-2.82#
30	l1	chlordane-3	*	0.052	0.000	100.0#	0#	-3.42#
31	l1	chlordane-4	*	0.173	0.000	100.0#	0#	-4.10#
32	l1	chlordane-5	*	0.134	0.000	100.0#	0#	-4.28#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.39#
34	l2	toxaphene-2	*	0.025	0.000	100.0#	0#	-5.08#
35	l2	toxaphene-3	*	0.037	0.000	100.0#	0#	-5.11#
36	l2	toxaphene-4	*	0.044	0.000	100.0#	0#	-5.43#
37	l2	toxaphene-5	*	0.042	0.000	100.0#	0#	-5.84#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	222.3E6	177.6E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	456.9E6	370.0E6	49.453M3	46.772M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		98.91%	93.54%
27) s	Decachlorobi	6.288	6.918	482.5E6	334.3E6	46.657M3	44.401M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		93.31%	88.80%
	Target Compounds						
3) t	Hexachlorobe	1.865	2.178	587.8E6	395.1E6	47.014M3	44.899M3
4) t	alpha-BHC	1.963	2.271	667.2E6	559.8E6	51.377M4	48.662M4
5) t	gamma-BHC (l	2.165	2.557	603.3E6	499.8E6	48.621M4	45.722M4
6) t	beta-BHC	2.221	2.623	257.8E6	214.1E6	46.189M4	47.735M3
7) t	delta-BHC	2.349	2.890	593.1E6	491.2E6	48.542M4	45.411
8) t	Heptachlor	2.513	2.953	569.5E6	511.7E6	48.485M4	45.092
9) t	Aldrin	2.756	3.272	545.1E6	477.4E6	49.714M3	46.842
10) t	Alachlor	2.876	3.153	98339329	67754072	48.033M4	52.133M4
11) t	Chlorpyrifos	2.968	3.506	231.0E6	247.0E6	44.053M3	49.655M4

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.884	503.7E6	441.6E6	47.784M3	43.617M3
13)	t	gamma-Chlord	3.425	4.105	514.8E6	460.2E6	53.753M4	49.404M4
14)	t	alpha-Chlord	3.559	4.274	509.4E6	449.4E6	47.103M4	43.758
15)	t	4,4'-DDE	3.656	4.473	519.3E6	444.5E6	49.014M4	46.608M4
16)	t	Endosulfan I	3.695	4.336	473.1E6	414.6E6	47.669M3	43.821M4
17)	t	Dieldrin	3.954	4.627	535.4E6	468.3E6	53.047M4	49.677M3
18)	t	Endrin	4.210	4.926	497.7E6	437.0E6	48.558	45.687
19)	t	4,4'-DDD	4.322	5.049	431.2E6	379.8E6	52.297	49.344M4
20)	t	Endosulfan I	4.451	5.125	468.9E6	397.6E6	50.128	46.124M4
21)	t	4,4'-DDT	4.616	5.326	464.0E6	412.9E6	49.301	46.497M4
22)	t	Endrin Aldeh	4.868	5.421	355.0E6	301.1E6	45.037M4	45.377M3
23)	t	Methoxychlor	5.104	5.890	256.9E6	222.3E6	48.807M4	44.431M3
24)	t	Mirex	5.160	6.023	394.7E6	325.6E6	47.337M3	50.644M4
25)	t	Endosulfan S	5.260	5.649	436.2E6	382.7E6	48.586M3	44.940M4
26)	t	Endrin Keton	5.486	6.060	558.9E6	441.2E6	53.123M4	49.265M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

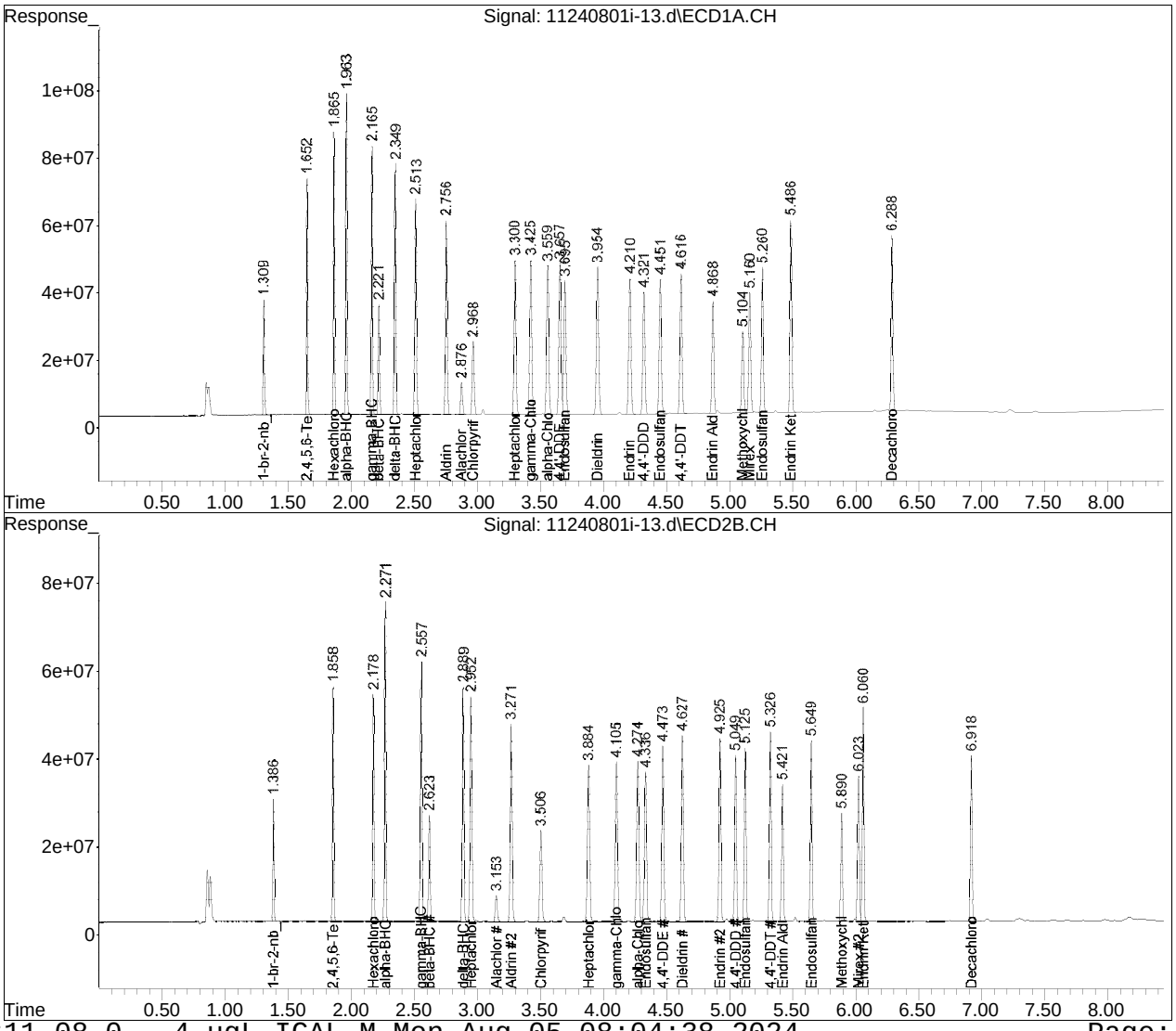
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

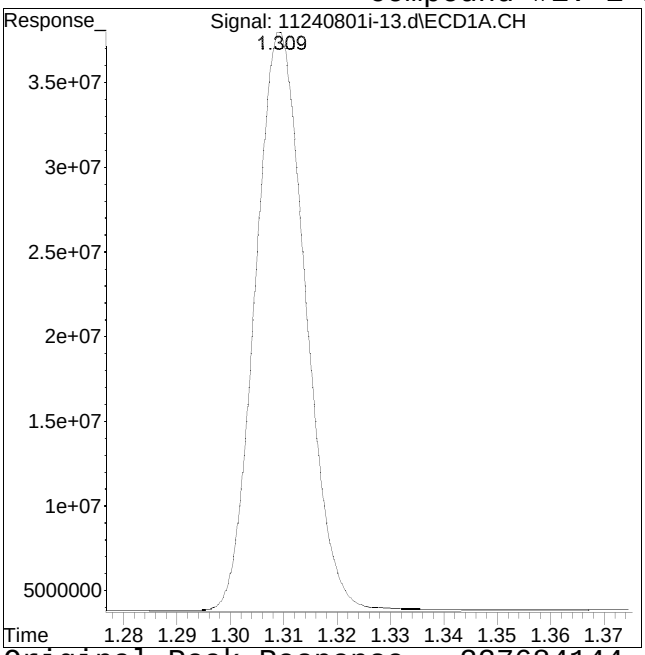


Manual Integration Report

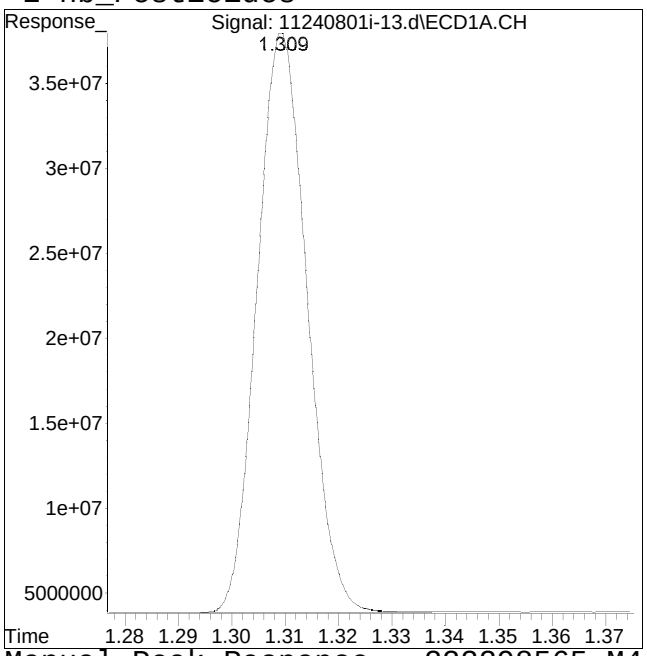
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 227684144



Manual Peak Response = 222298565 M4

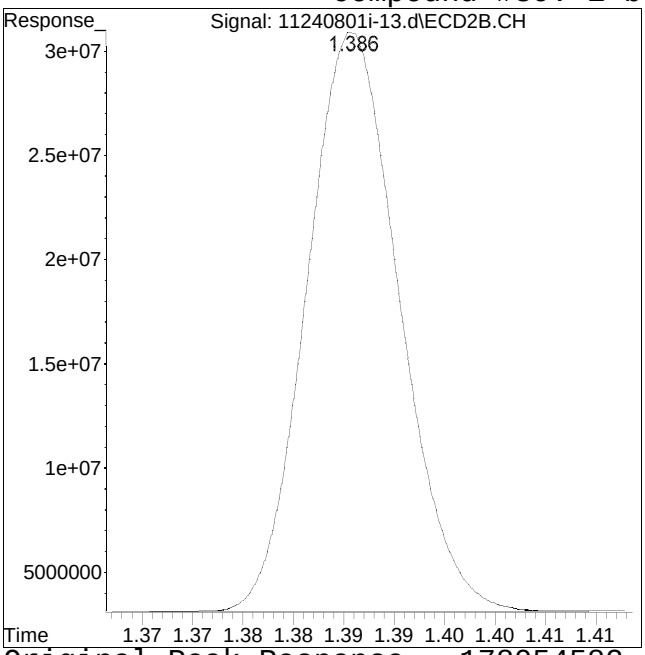
M4 = Poor automated baseline construction.

Manual Integration Report

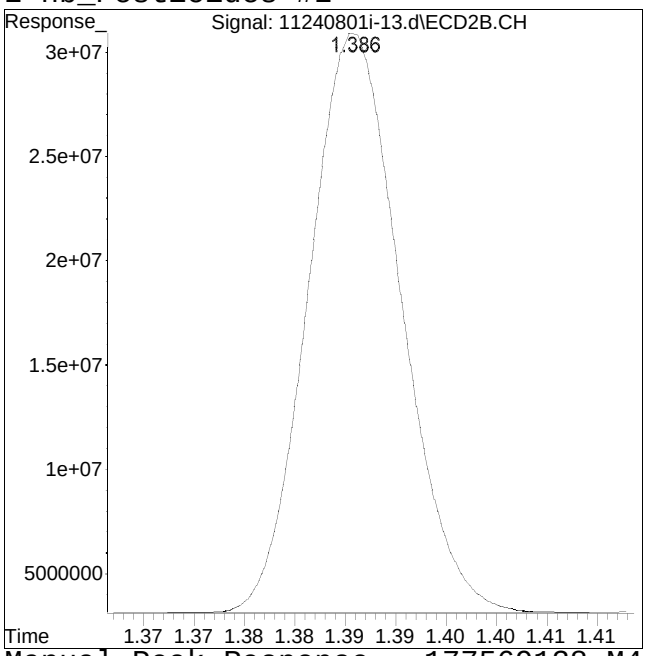
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 178054582



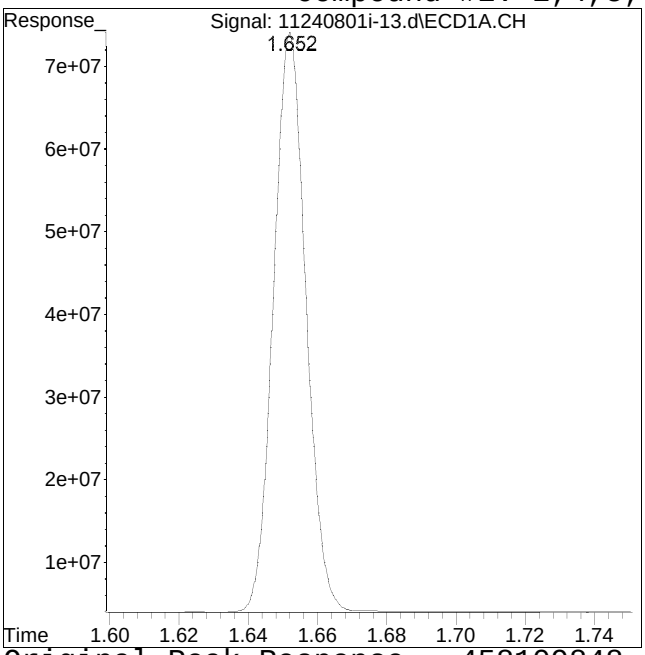
Manual Peak Response = 177569138 M4

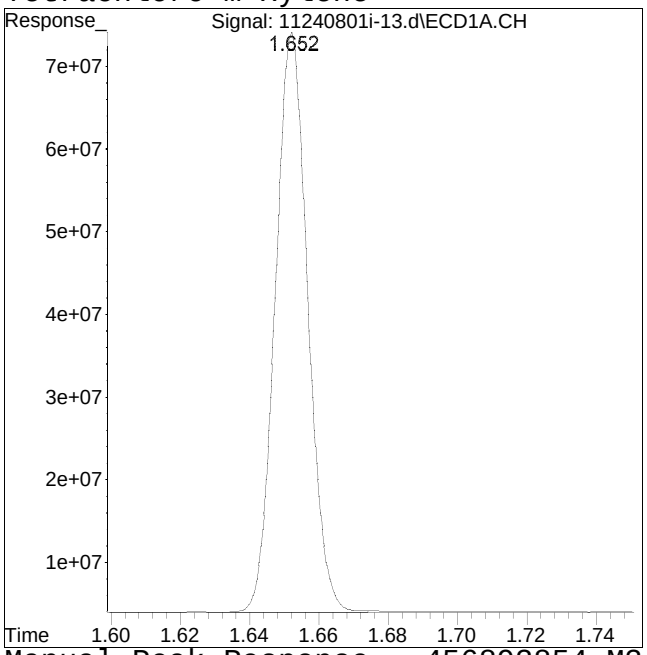
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





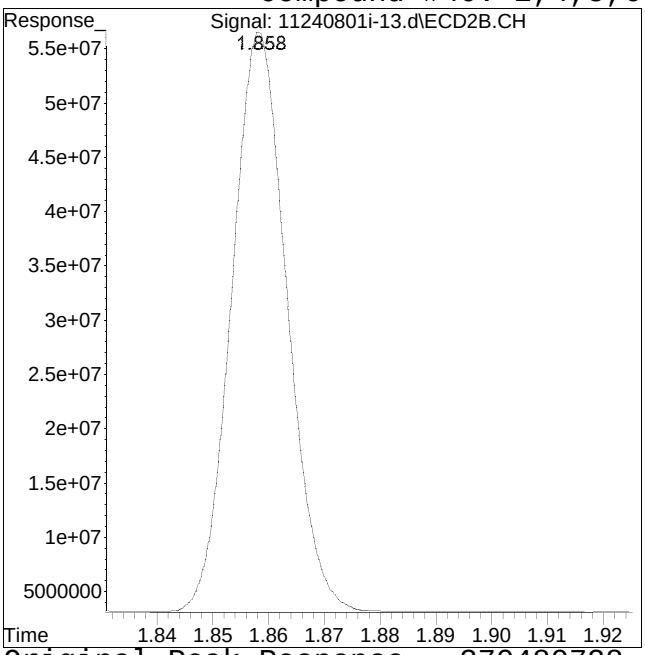
Original Peak Response = 458109848 Manual Peak Response = 456893854 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

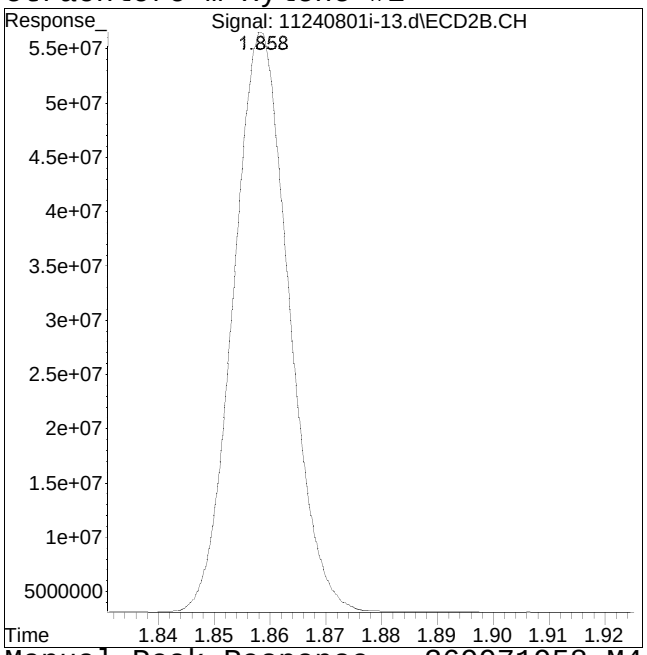
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 370480728



Manual Peak Response = 369971958 M4

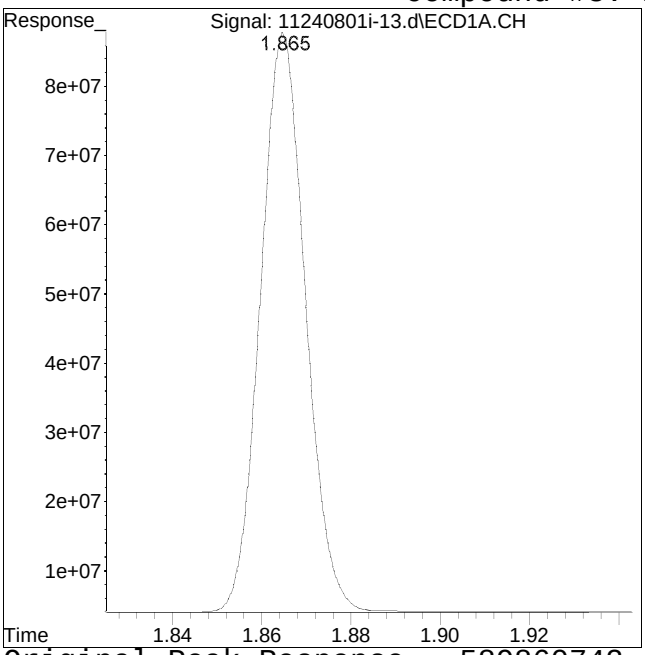
M4 = Poor automated baseline construction.

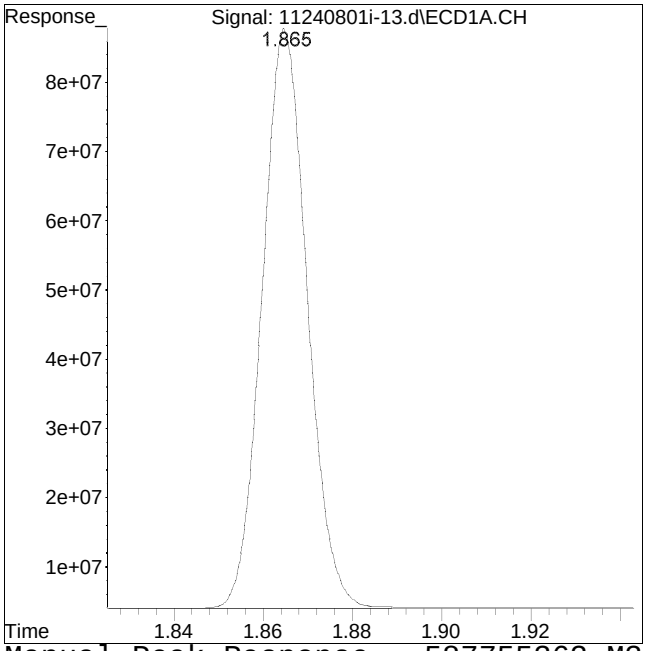
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #3: Hexachlorobenzene





Original Peak Response = 589860742 Manual Peak Response = 587755363 M3

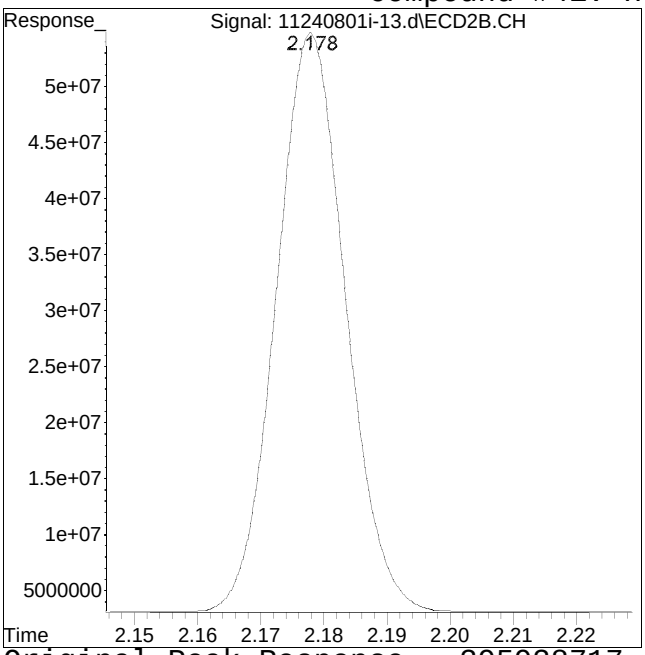
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

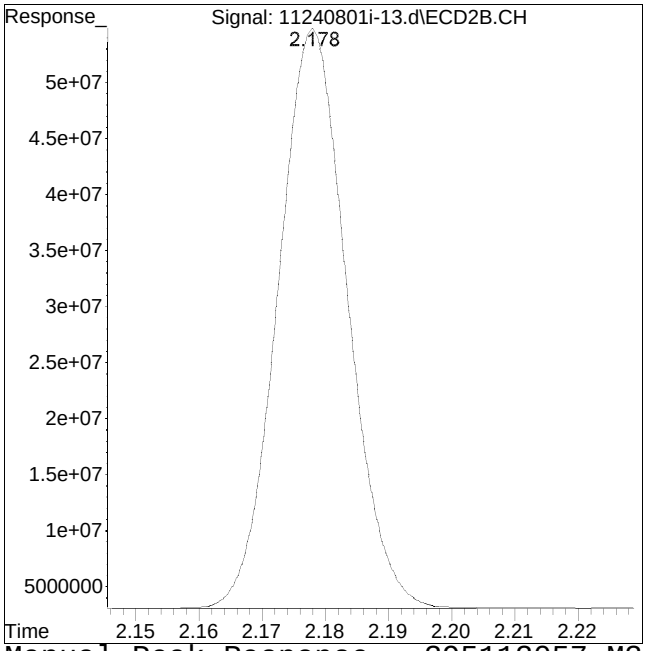
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #41: Hexachlorobenzene #2





Original Peak Response = 395938717 Manual Peak Response = 395113057 M3

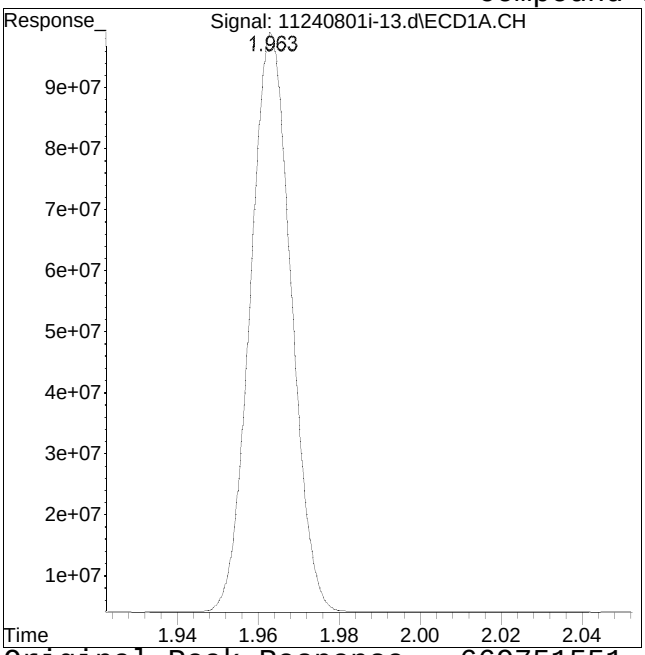
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

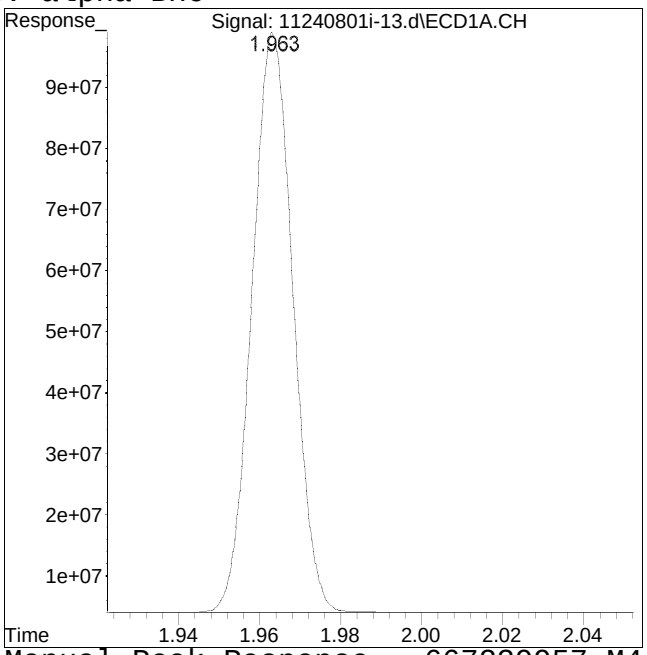
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #4: alpha-BHC



Original Peak Response = 669751551



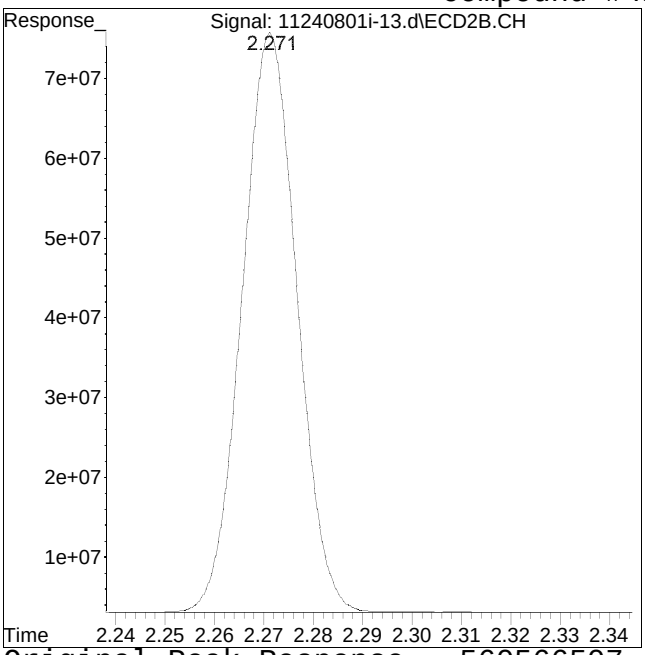
Manual Peak Response = 667239957 M4

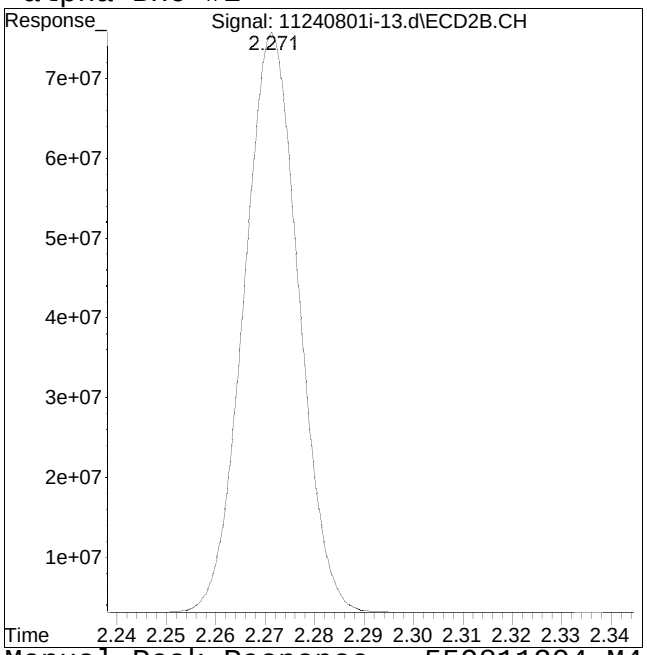
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #42: alpha-BHC #2



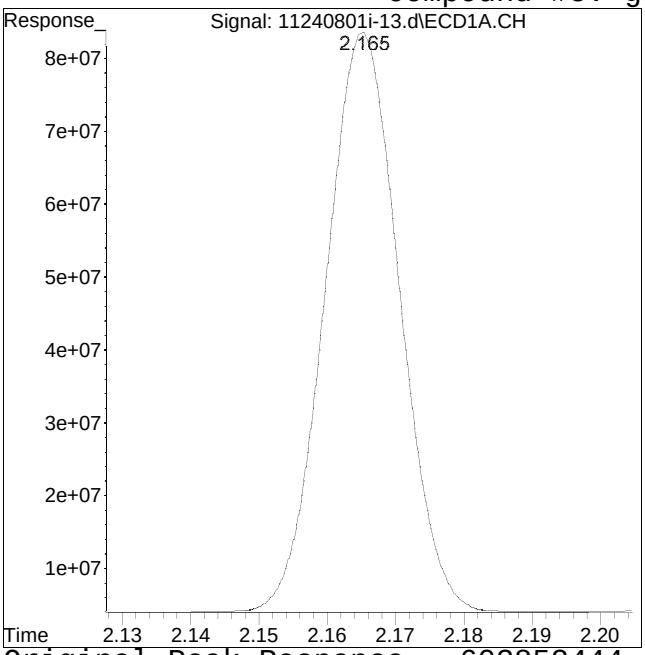


Original Peak Response = 560566507 Manual Peak Response = 559811204 M4
M4 = Poor automated baseline construction.

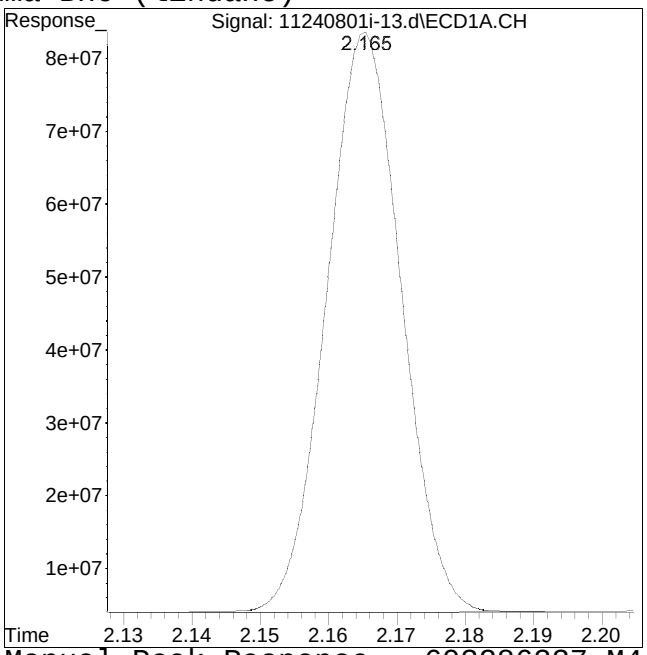
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 603852444



Manual Peak Response = 603286337 M4

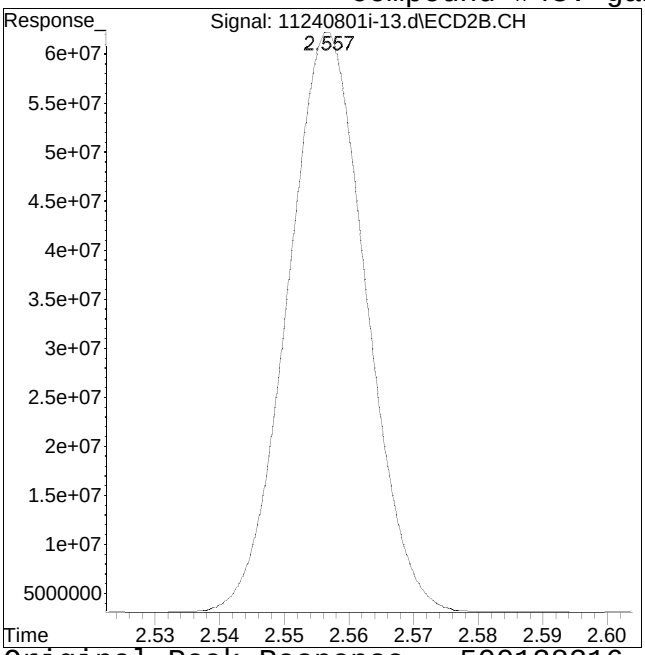
M4 = Poor automated baseline construction.

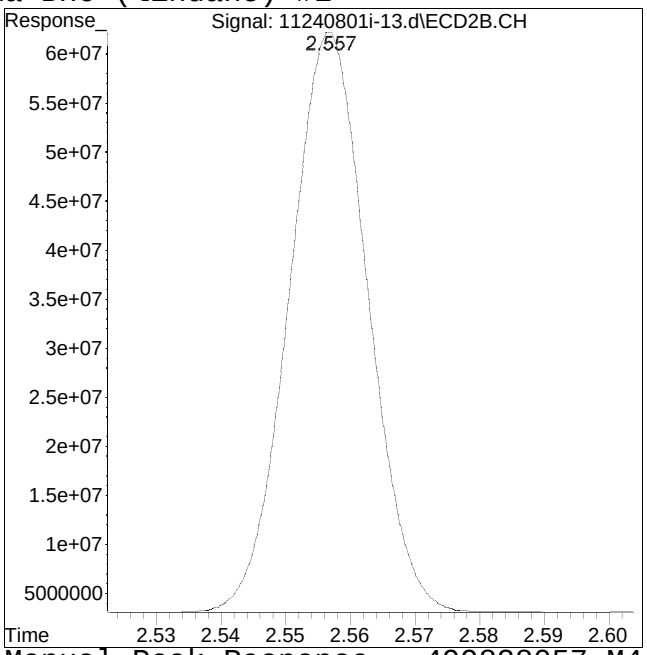
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #43: gamma-BHC (lindane) #2





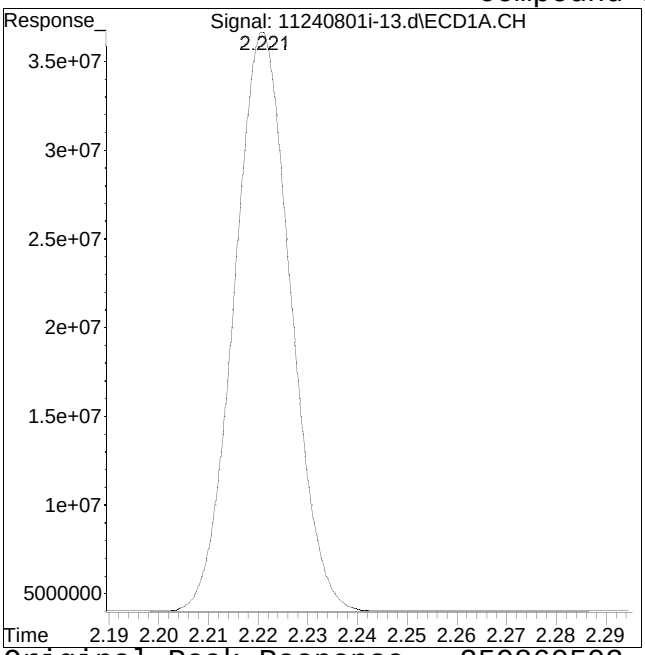
Original Peak Response = 500138316 Manual Peak Response = 499828057 M4
M4 = Poor automated baseline construction.

Manual Integration Report

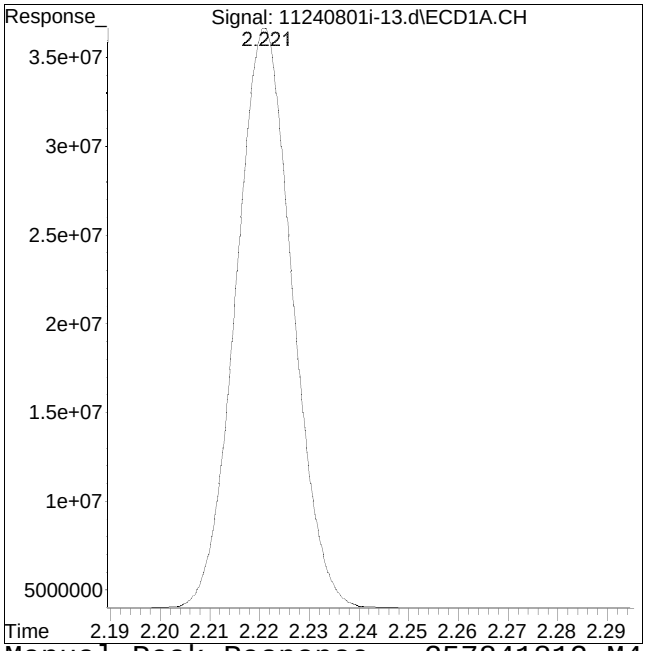
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #6: beta-BHC



Original Peak Response = 259860503



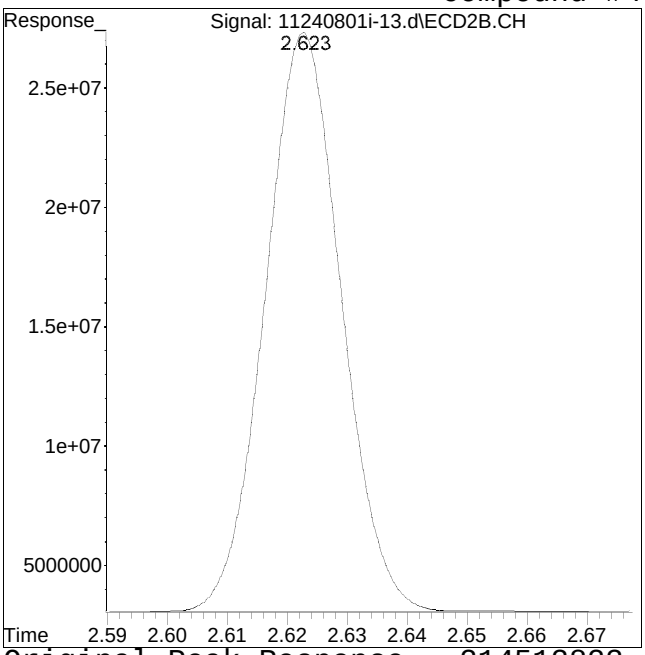
Manual Peak Response = 257841812 M4

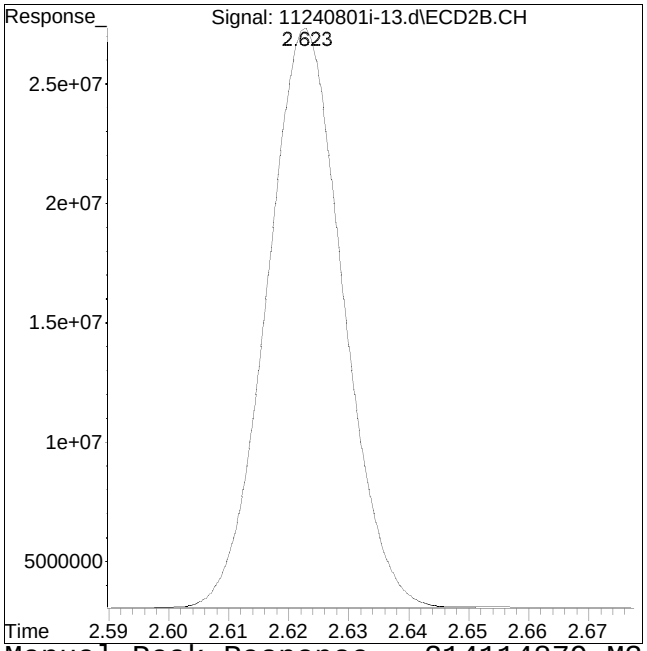
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #44: beta-BHC #2



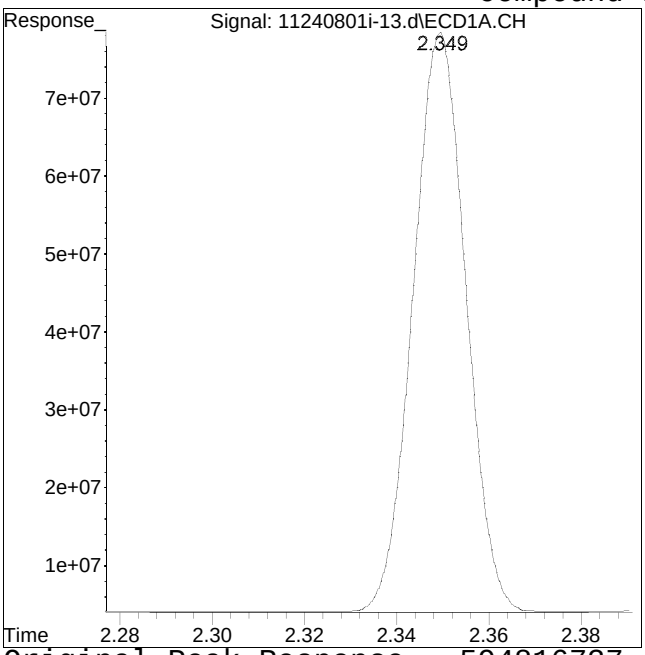


Original Peak Response = 214512823 Manual Peak Response = 214114879 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

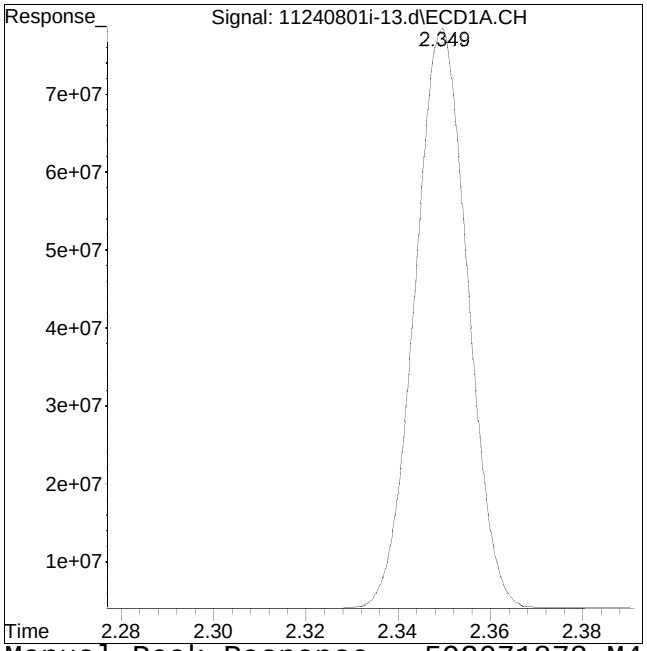
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #7: delta-BHC



Original Peak Response = 594816737



Manual Peak Response = 593071878 M4

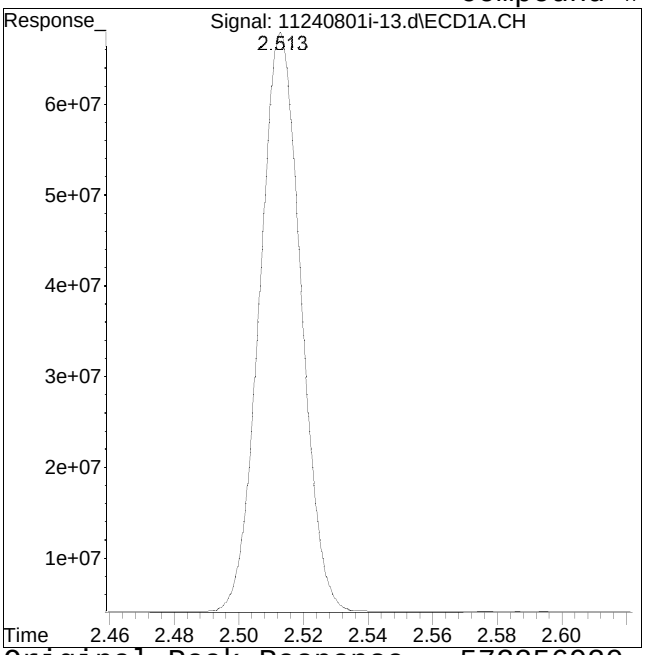
M4 = Poor automated baseline construction.

Manual Integration Report

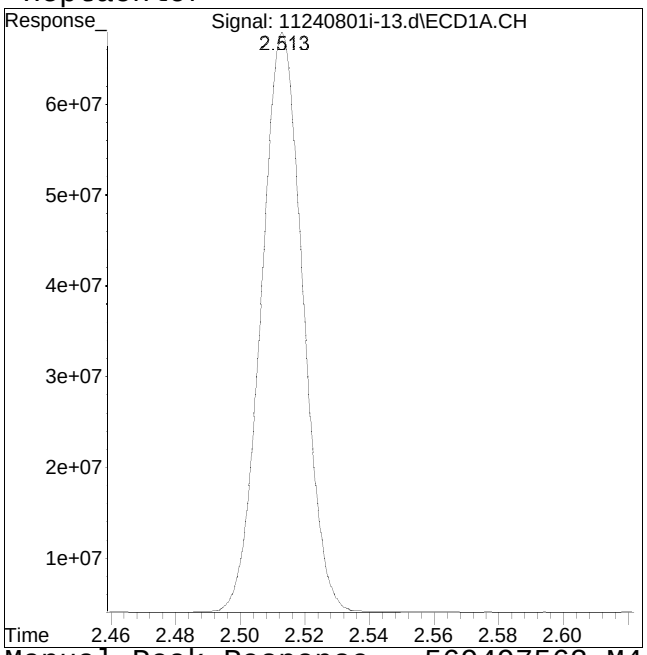
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #8: Heptachlor



Original Peak Response = 572256920



Manual Peak Response = 569497562 M4

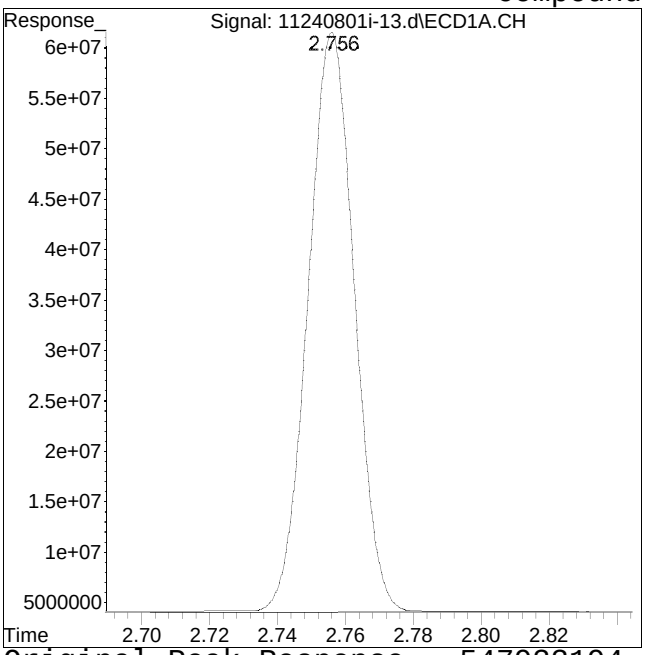
M4 = Poor automated baseline construction.

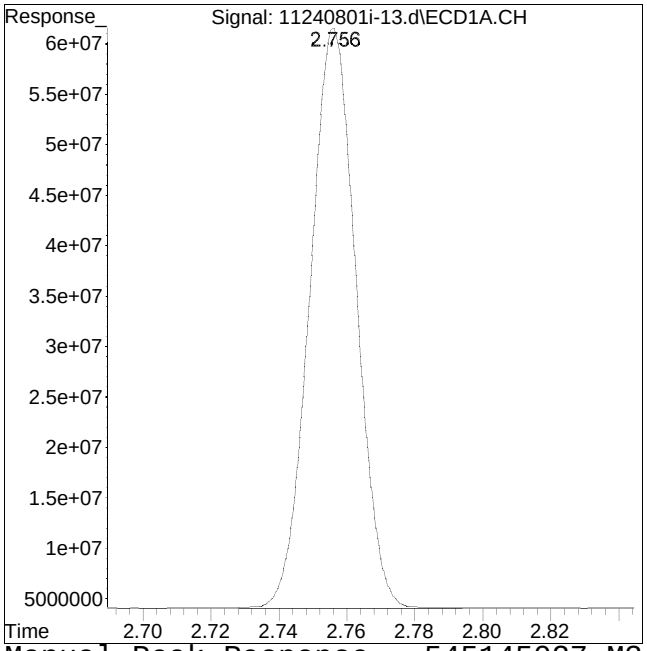
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #9: Aldrin





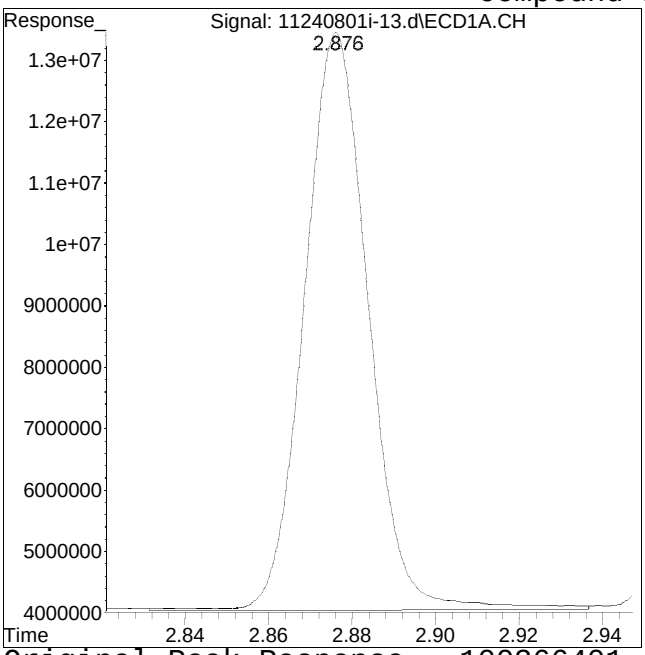
Original Peak Response = 547933194 Manual Peak Response = 545145027 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

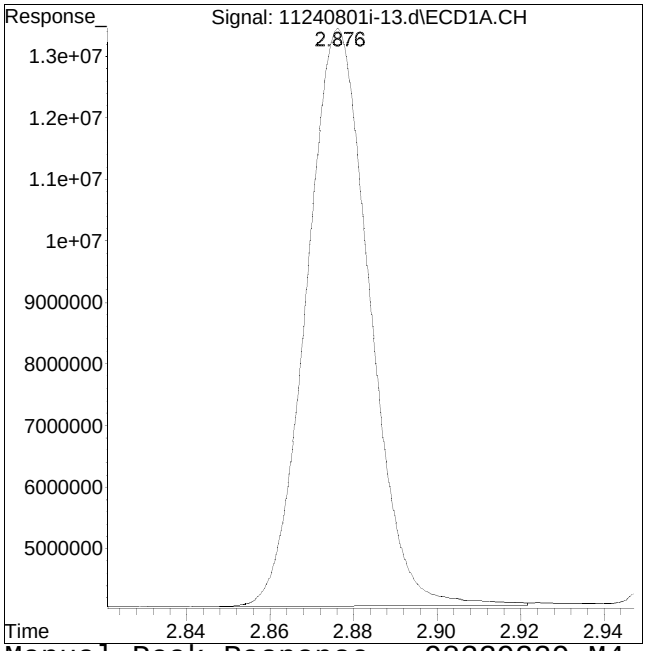
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #10: Alachlor



Original Peak Response = 100366401



Manual Peak Response = 98339329 M4

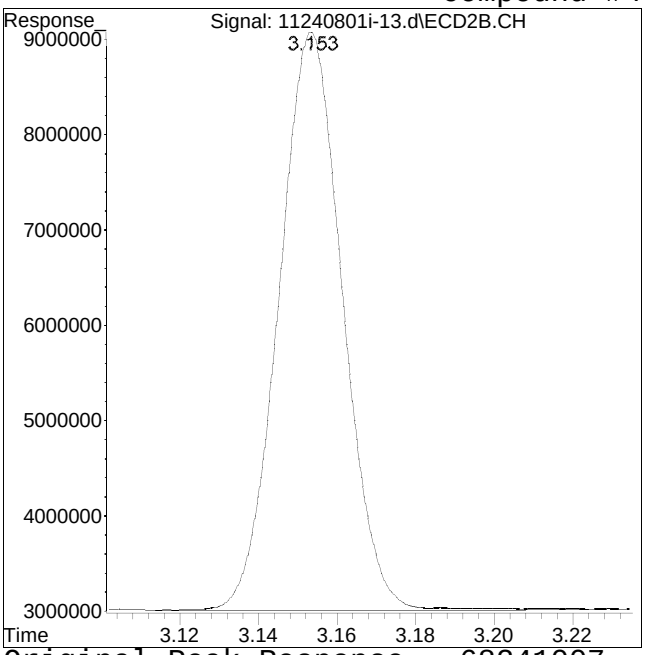
M4 = Poor automated baseline construction.

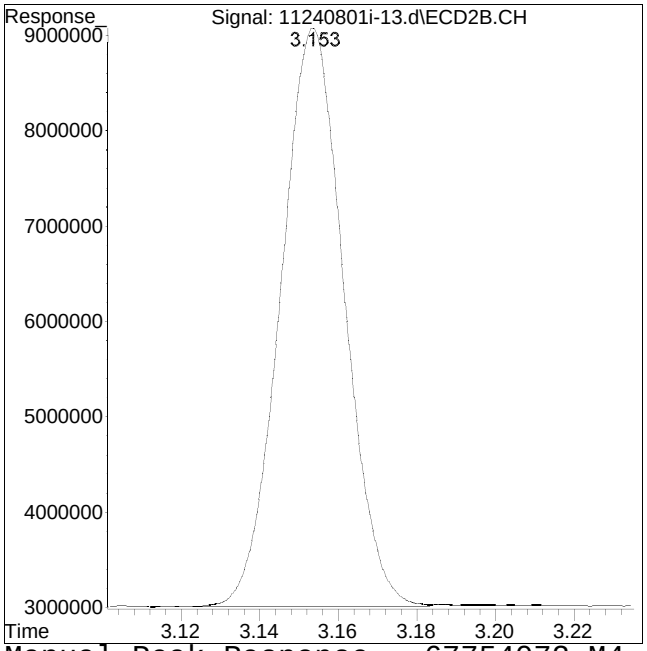
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #48: Alachlor #2



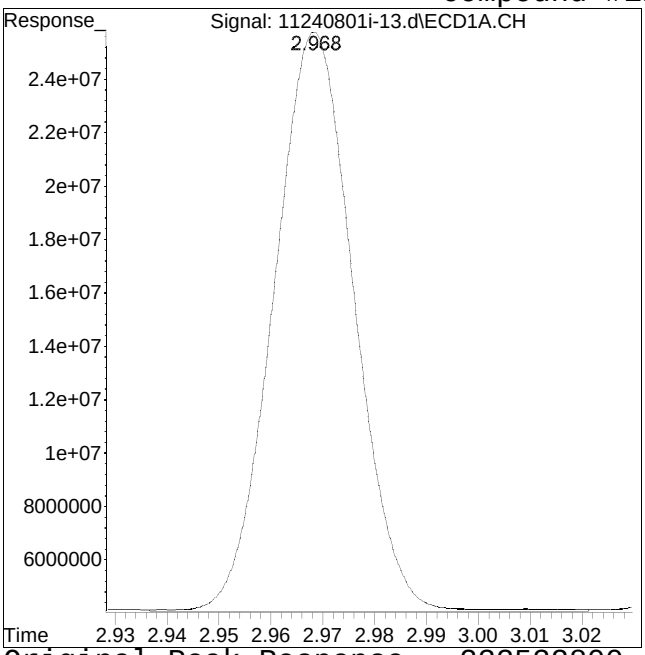


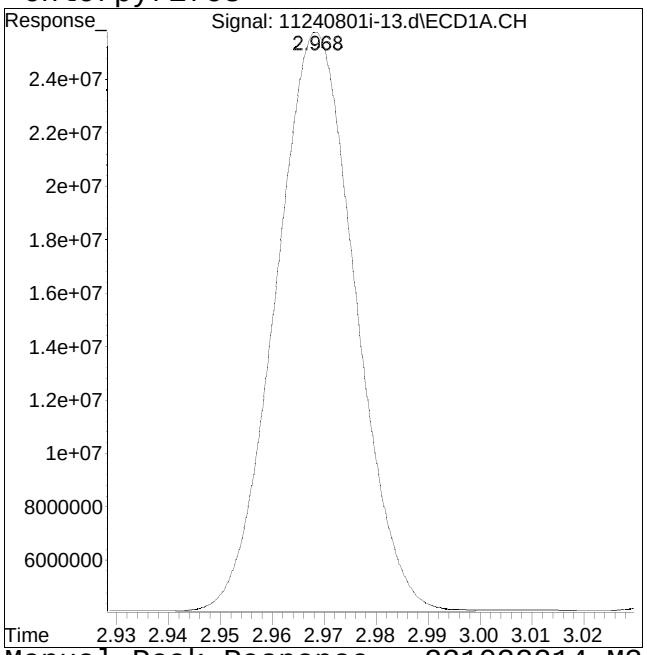
Original Peak Response = 68241007 Manual Peak Response = 67754072 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #11: Chlorpyrifos





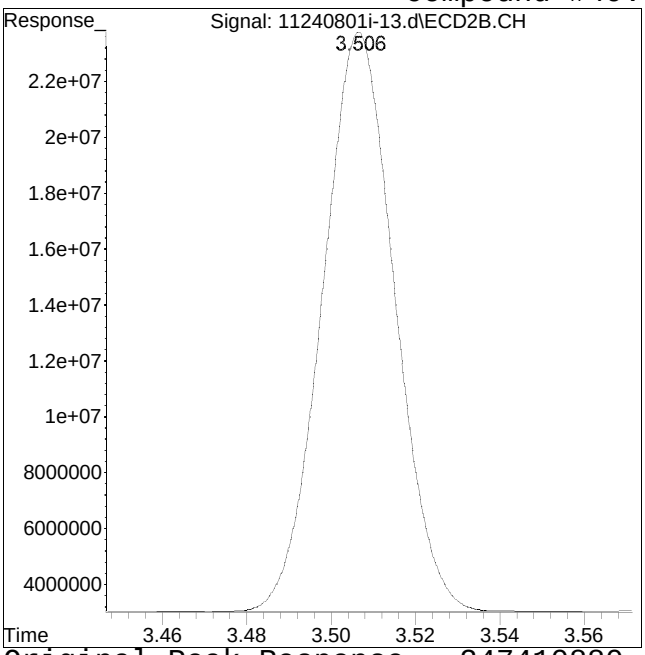
Original Peak Response = 233532800 Manual Peak Response = 231032214 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

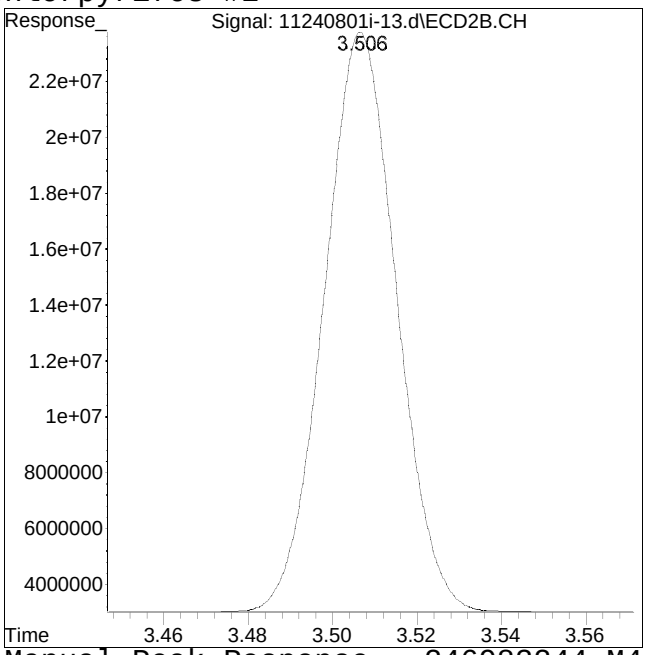
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 247410880



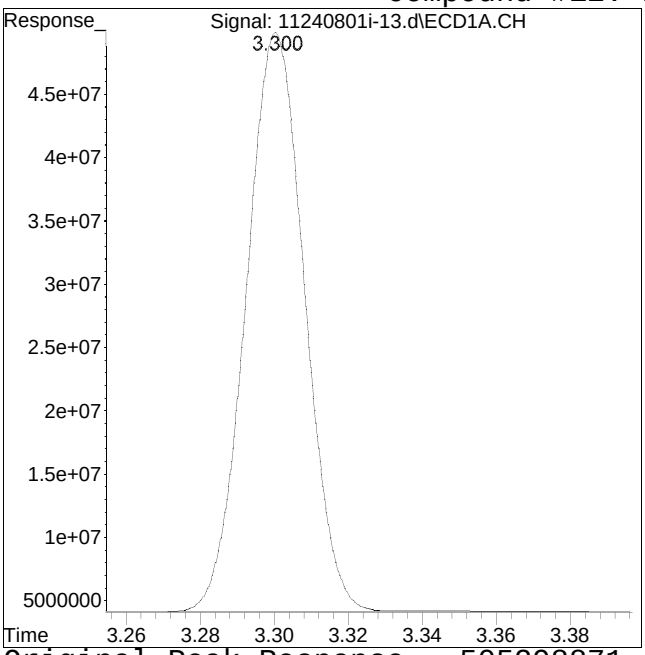
Manual Peak Response = 246983244 M4

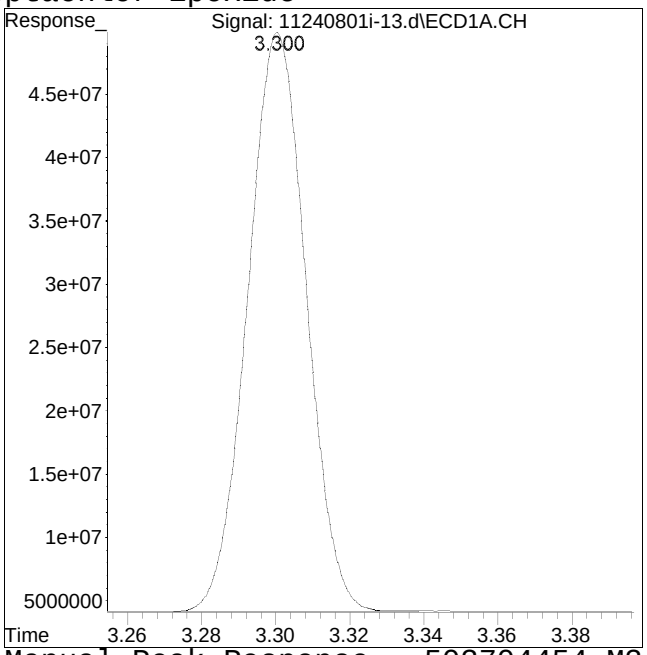
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #12: Heptachlor Epoxide





Original Peak Response = 505298871 Manual Peak Response = 503704454 M3

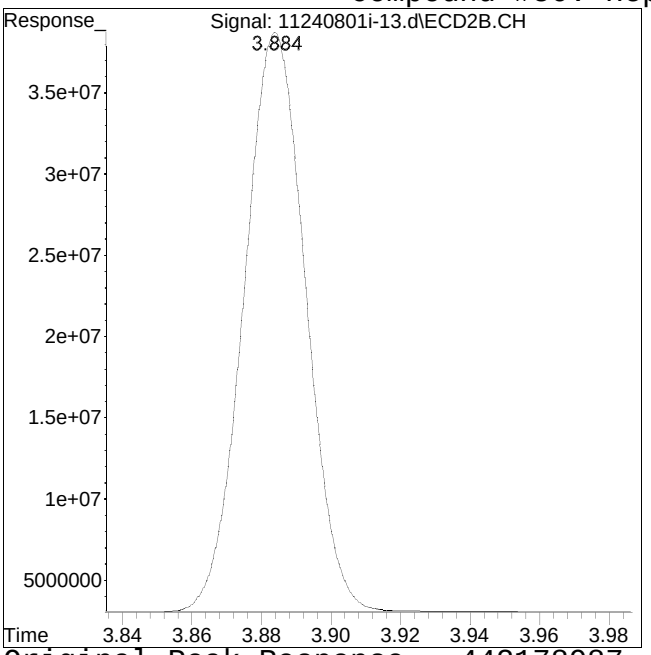
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

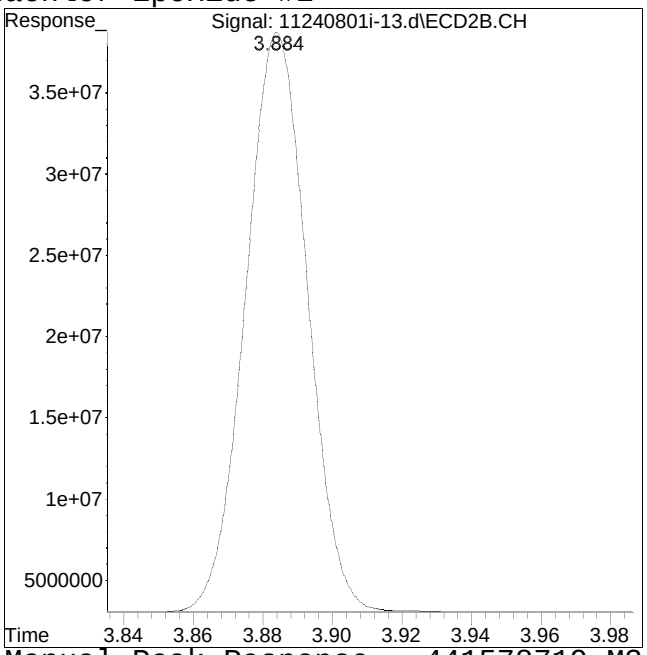
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #50: Heptachlor Epoxide #2





Original Peak Response = 442178987 Manual Peak Response = 441578719 M3

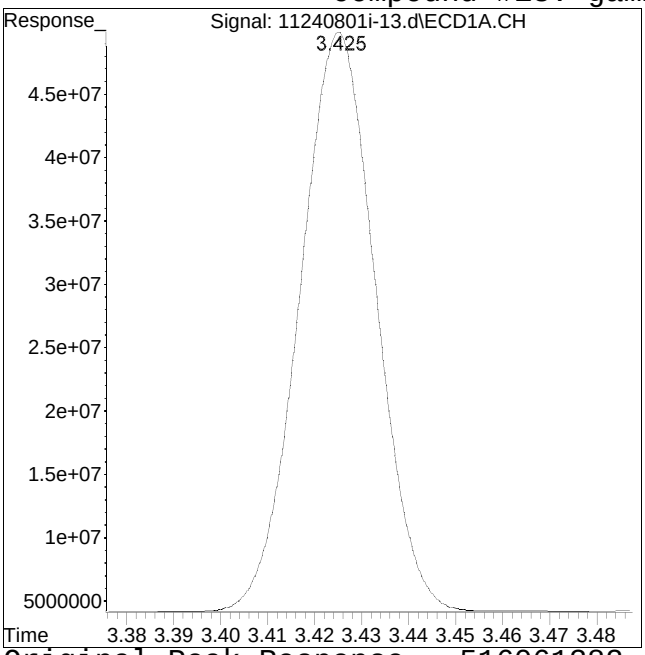
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

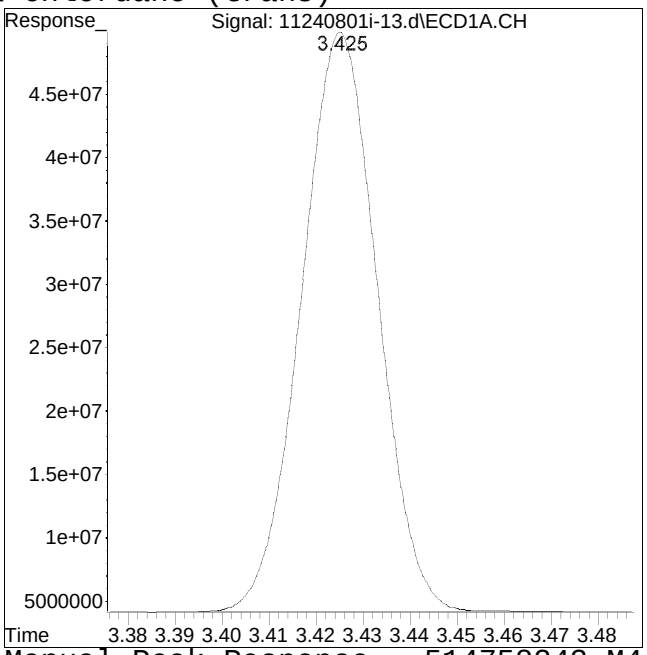
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #13: gamma-Chlordane (trans)





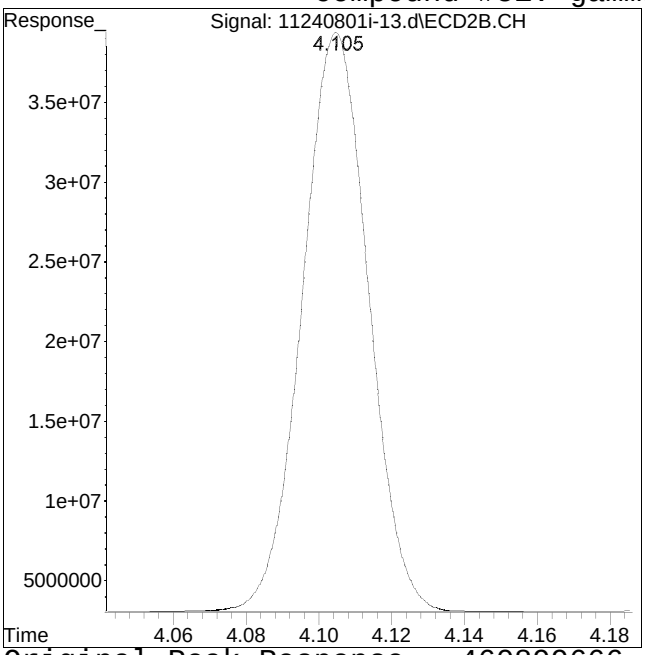
Original Peak Response = 516061382 Manual Peak Response = 514758243 M4
M4 = Poor automated baseline construction.

Manual Integration Report

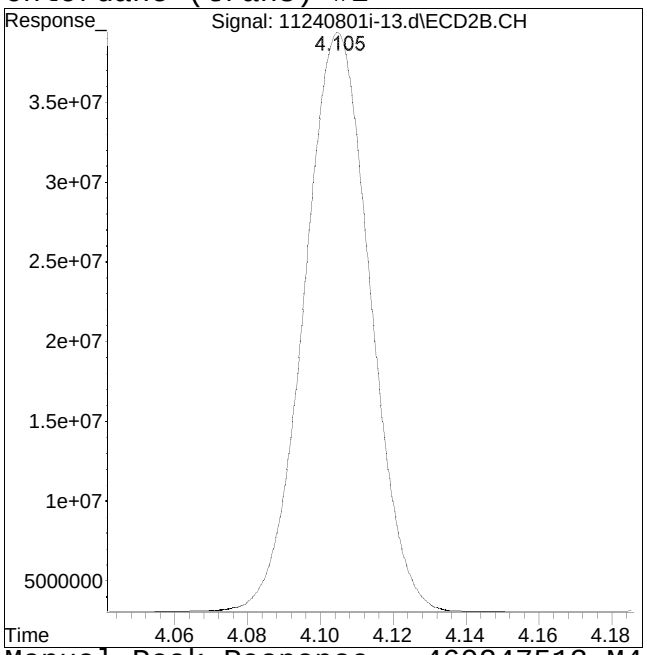
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 460899666



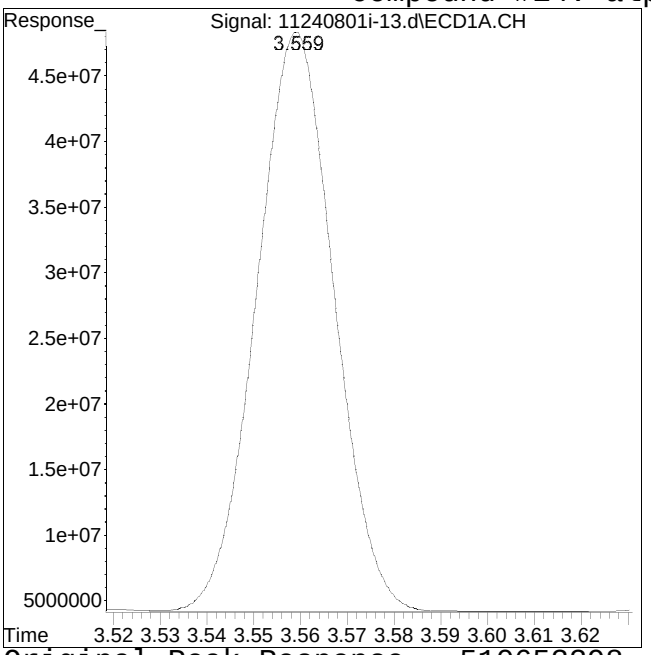
Manual Peak Response = 460247513 M4

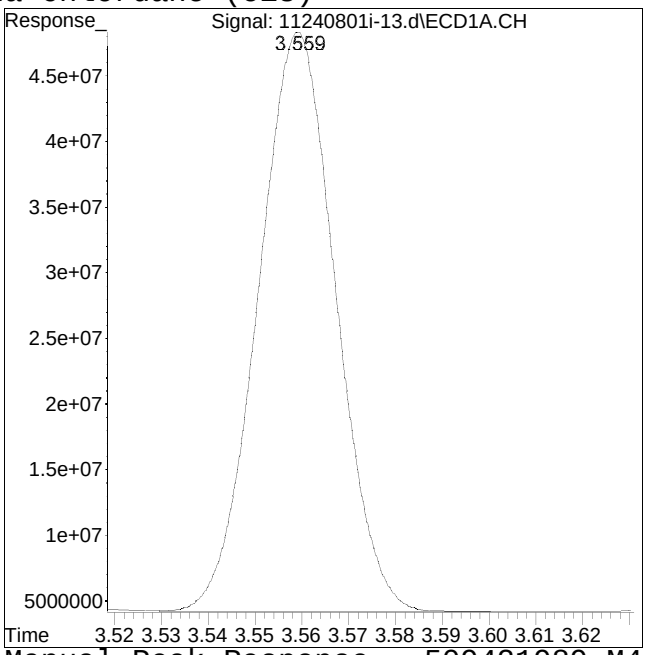
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #14: alpha-Chlordane (cis)





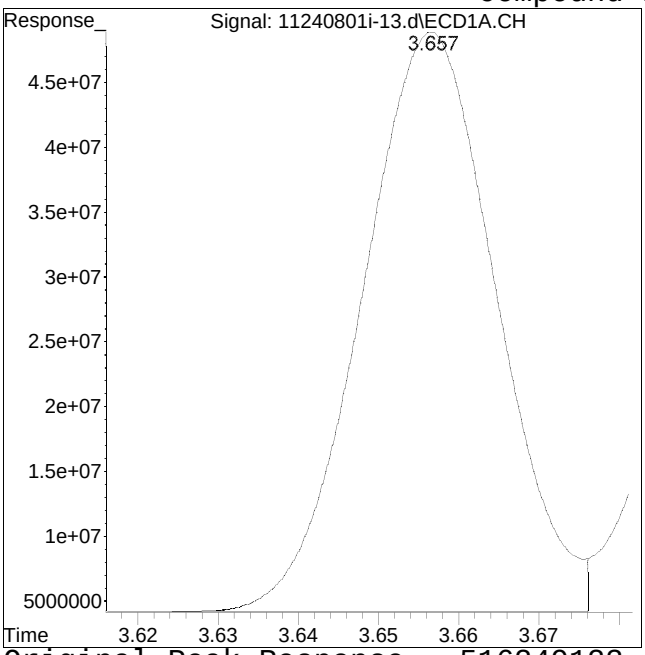
Original Peak Response = 510653398 Manual Peak Response = 509421989 M4
M4 = Poor automated baseline construction.

Manual Integration Report

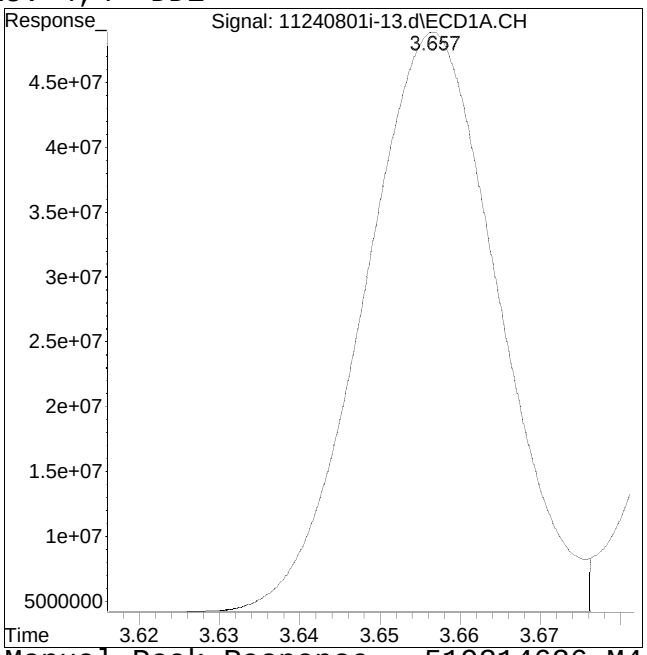
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #15: 4,4'-DDE



Original Peak Response = 516249123



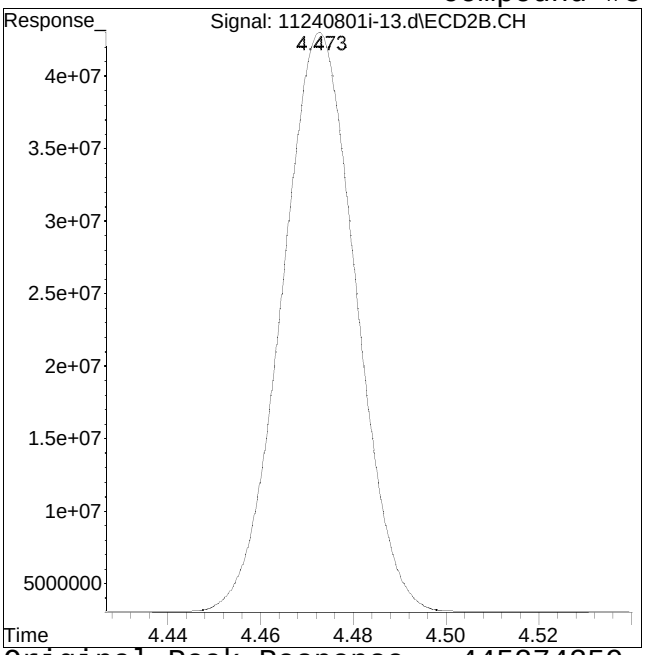
Manual Peak Response = 519314626 M4

M4 = Poor automated baseline construction.

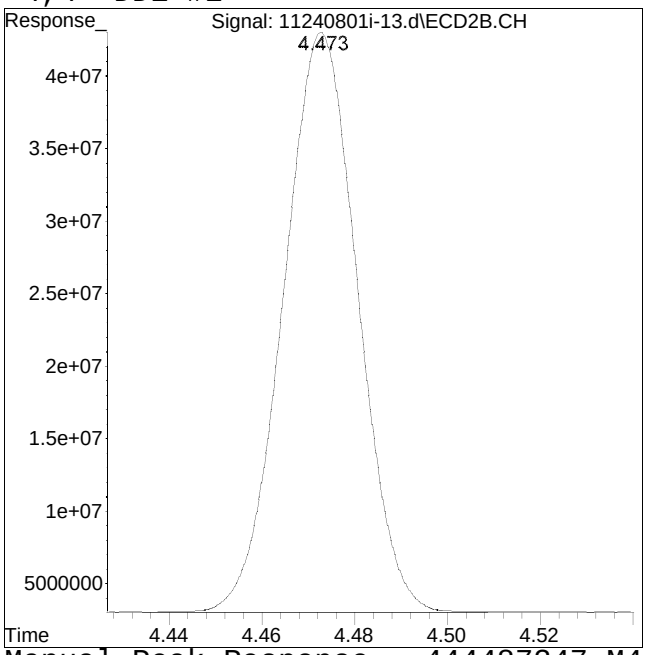
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 445274359



Manual Peak Response = 444487347 M4

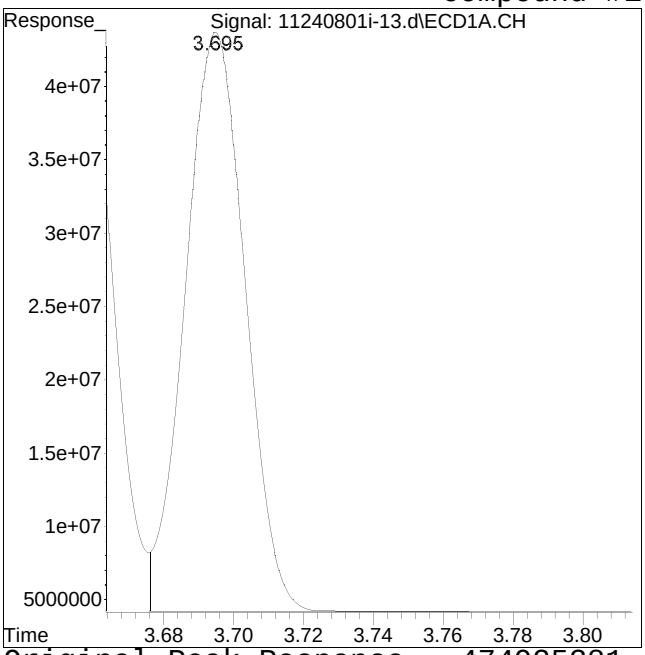
M4 = Poor automated baseline construction.

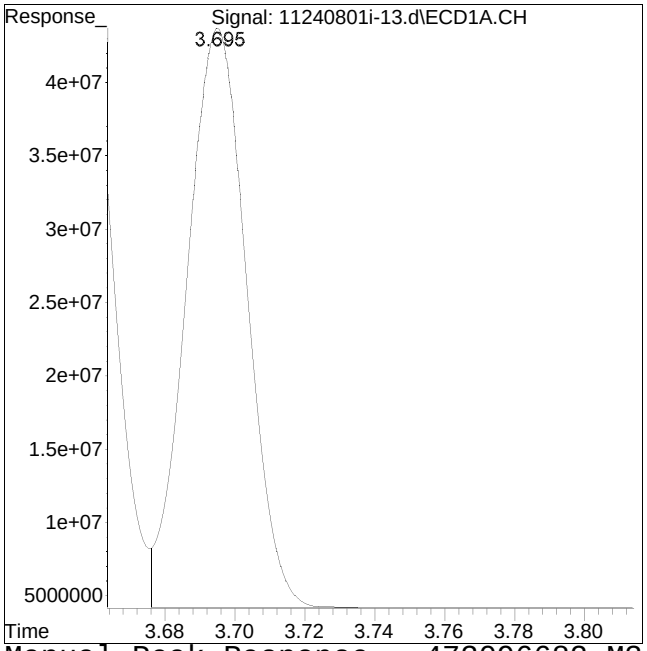
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #16: Endosulfan I





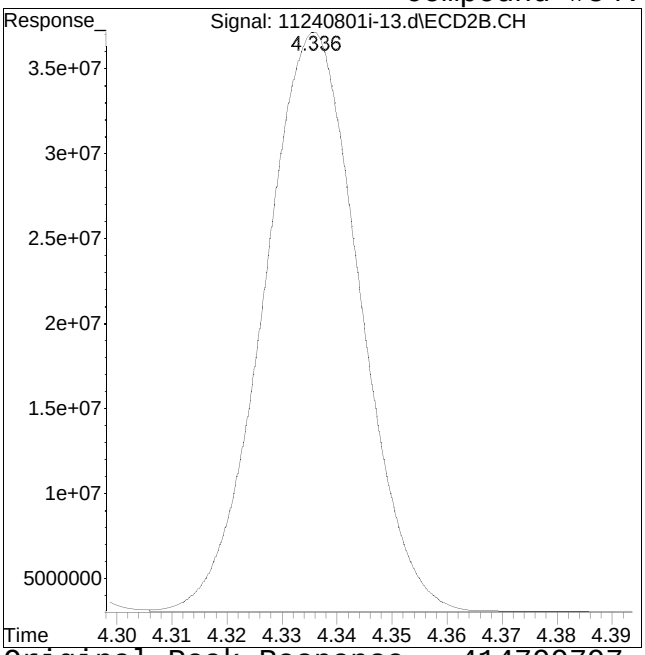
Original Peak Response = 474925381 Manual Peak Response = 473096682 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

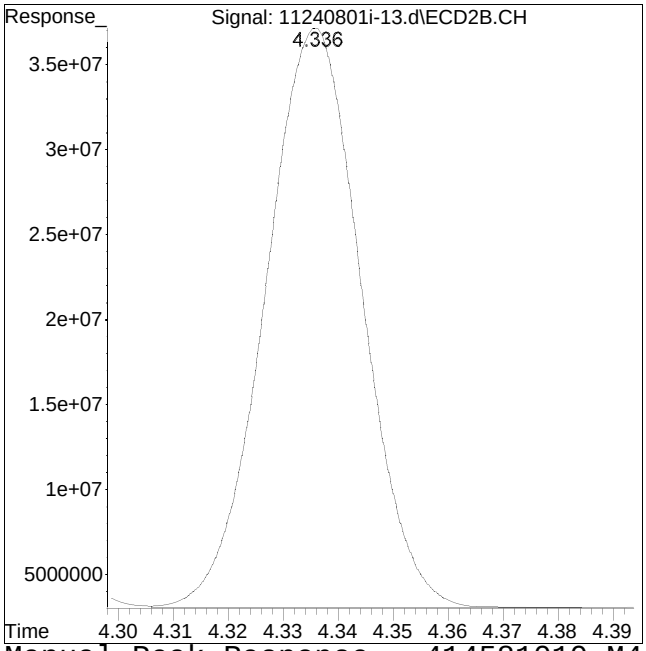
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #54: Endosulfan I #2



Original Peak Response = 414799797



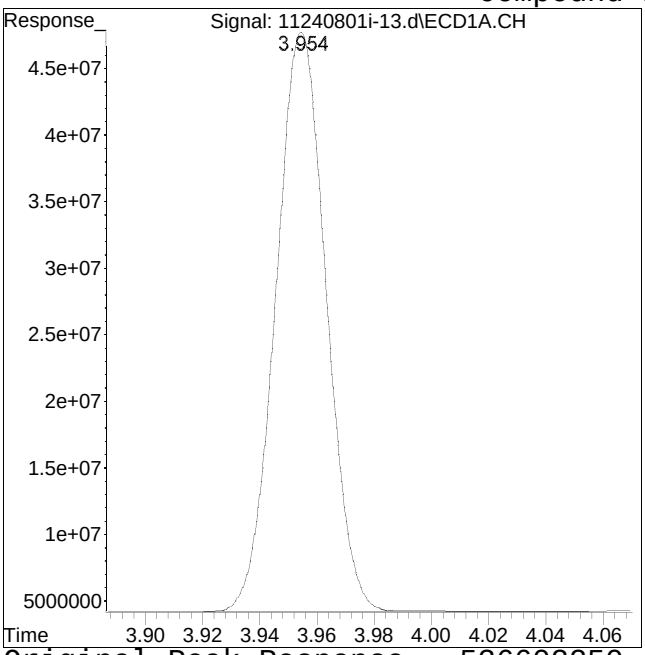
Manual Peak Response = 414581010 M4
M4 = Poor automated baseline construction.

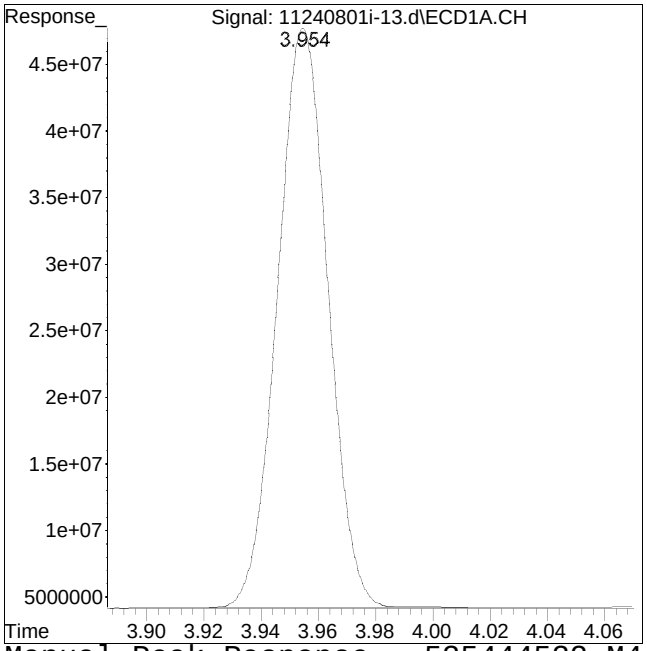
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #17: Dieldrin



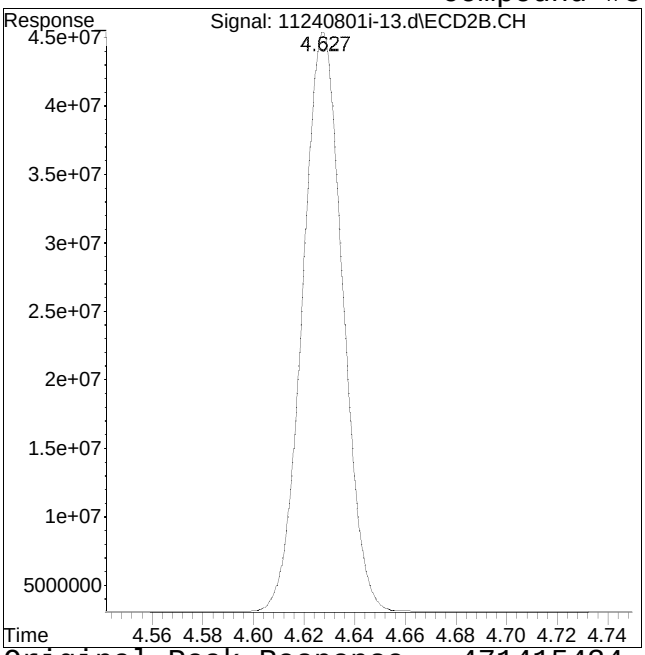


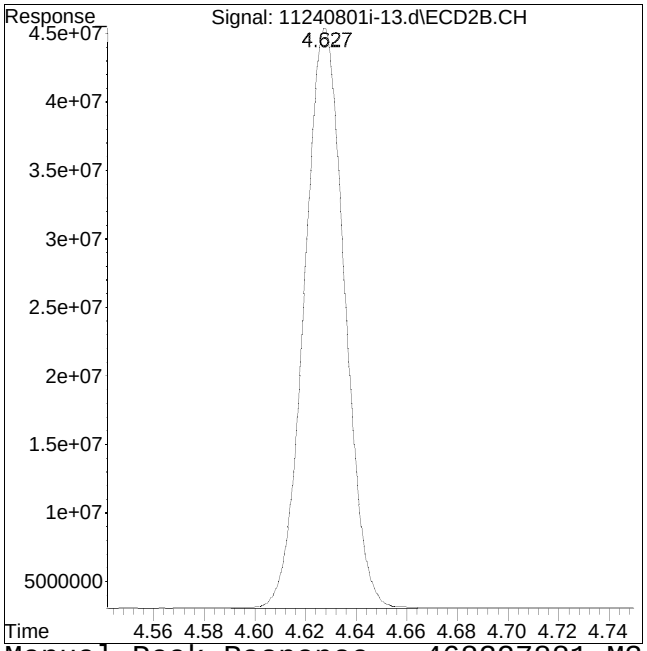
Original Peak Response = 536602250 Manual Peak Response = 535444532 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #55: Dieldrin #2



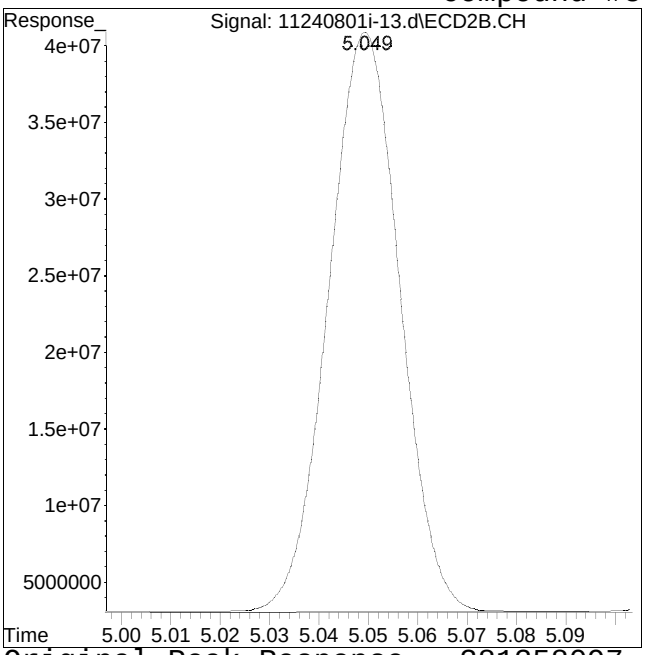


Original Peak Response = 471415434 Manual Peak Response = 468327881 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

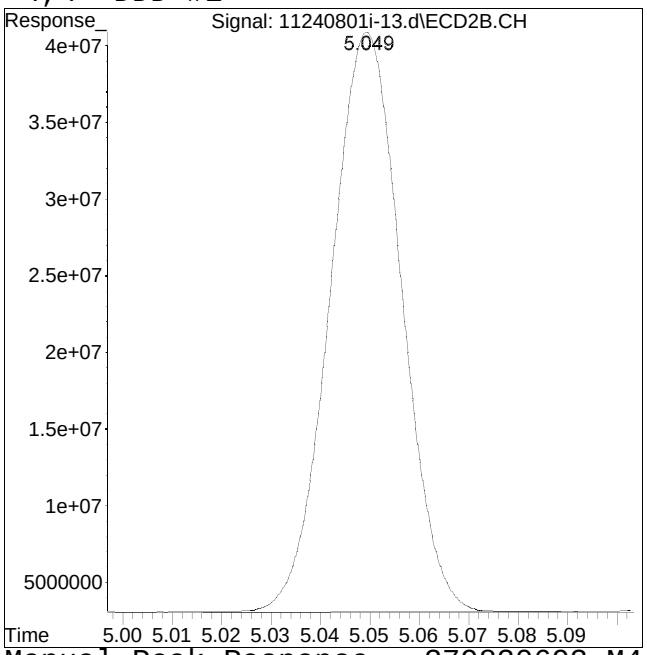
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 381358097



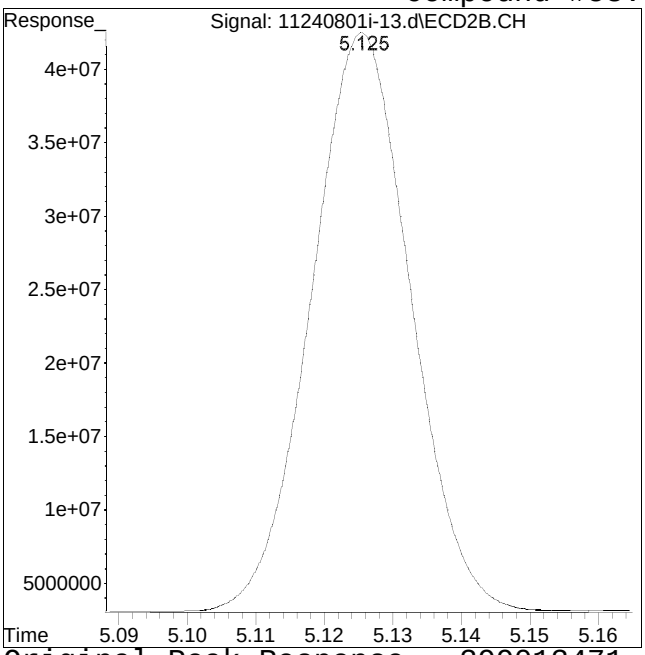
Manual Peak Response = 379830693 M4

M4 = Poor automated baseline construction.

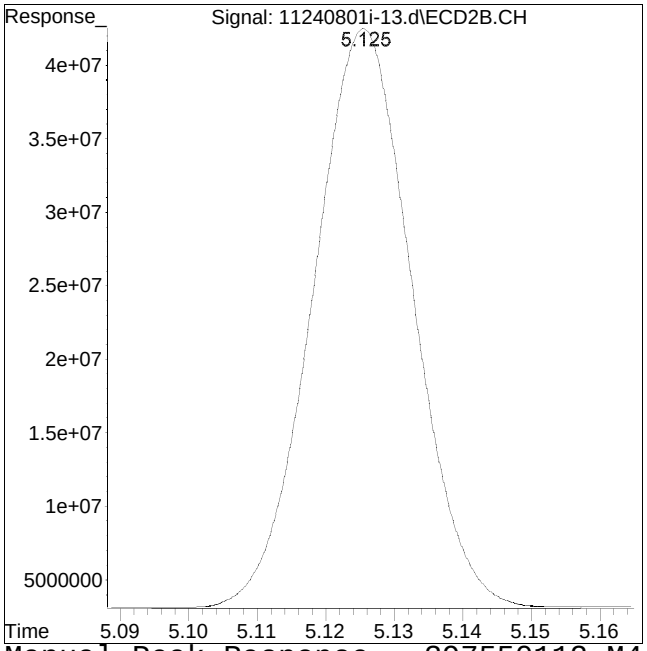
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #58: Endosulfan II #2



Original Peak Response = 399013471



Manual Peak Response = 397550112 M4

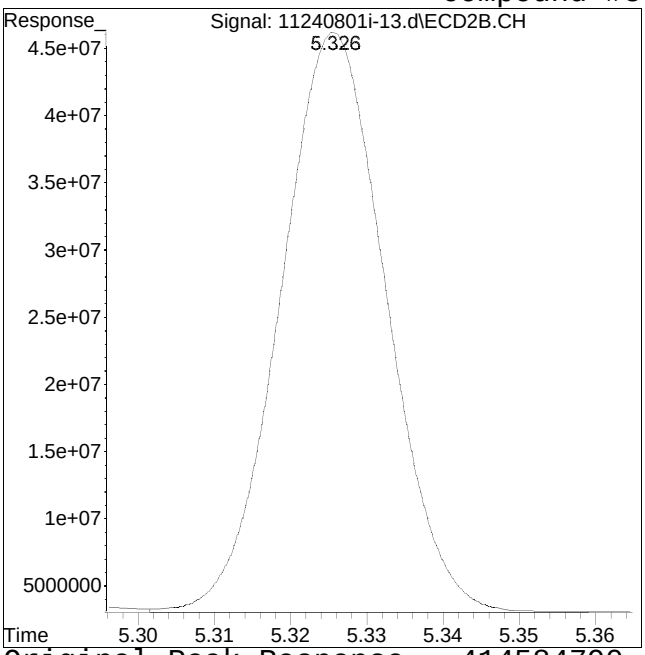
M4 = Poor automated baseline construction.

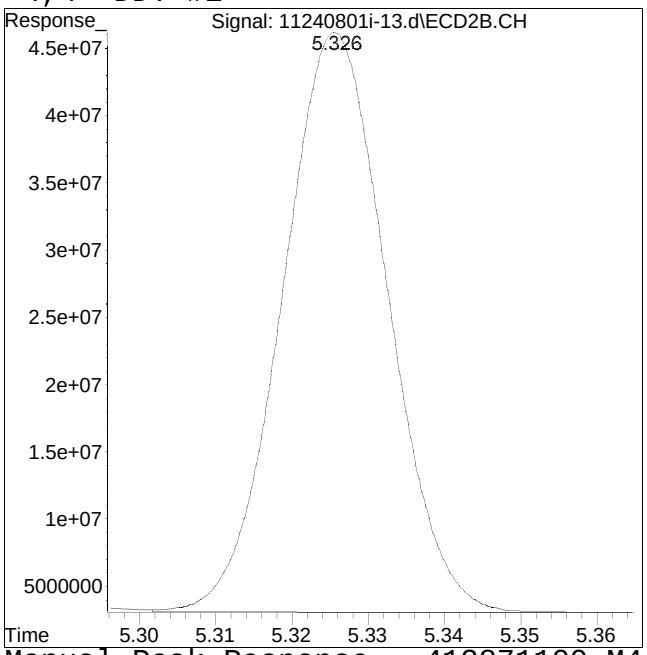
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #59: 4,4'-DDT #2





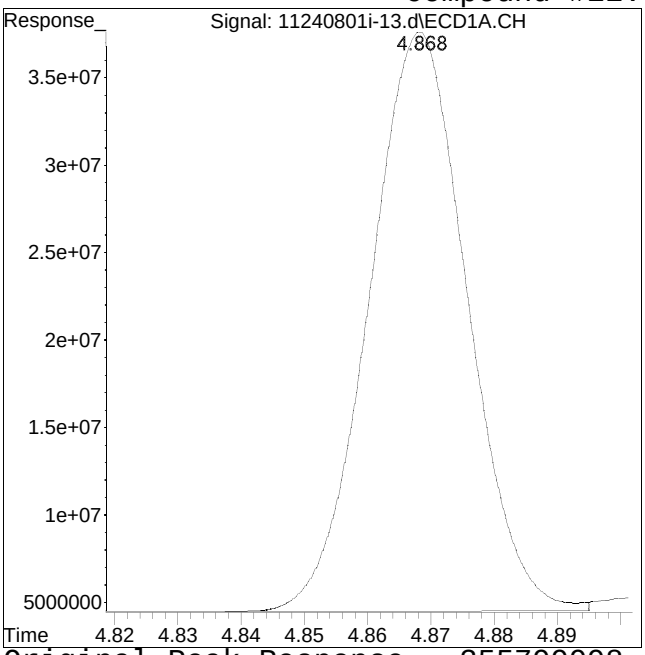
Original Peak Response = 414584790 Manual Peak Response = 412871100 M4
M4 = Poor automated baseline construction.

Manual Integration Report

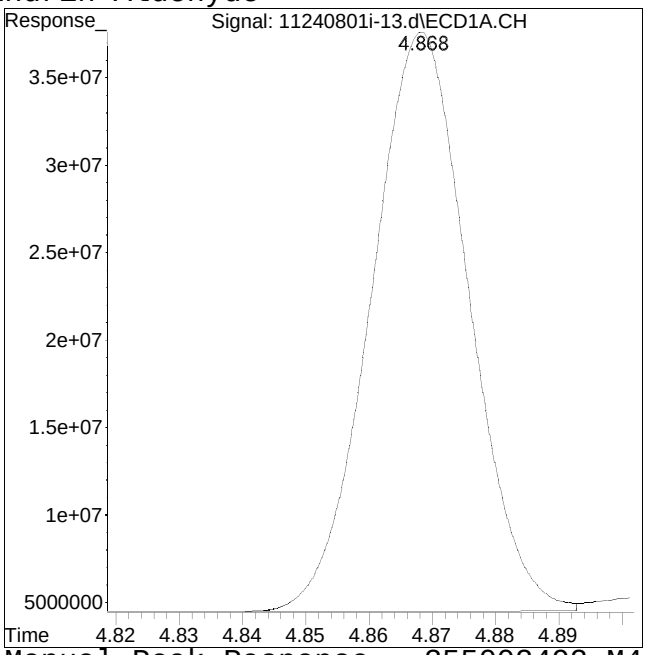
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #22: Endrin Aldehyde



Original Peak Response = 355799998



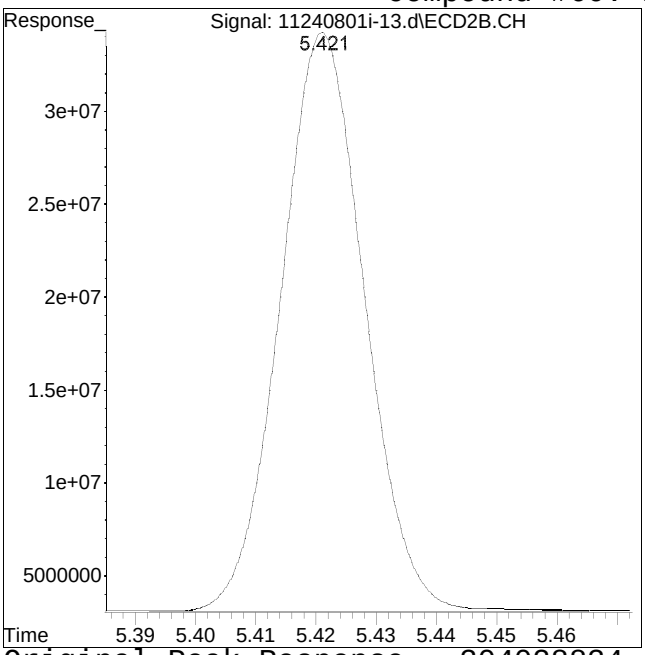
Manual Peak Response = 355002492 M4

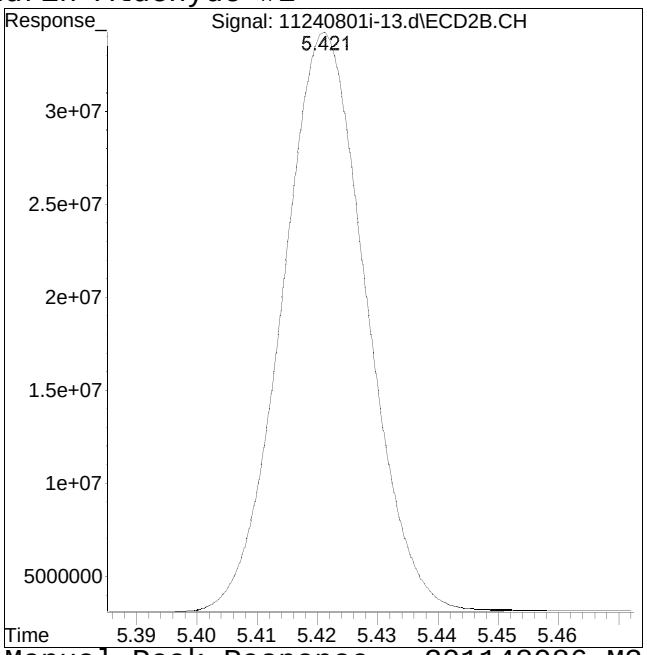
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #60: Endrin Aldehyde #2





Original Peak Response = 304028834 Manual Peak Response = 301148086 M3

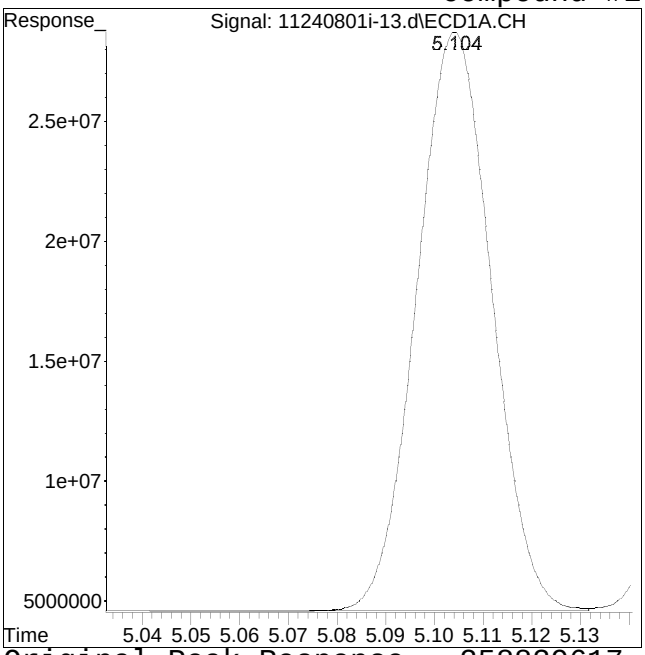
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

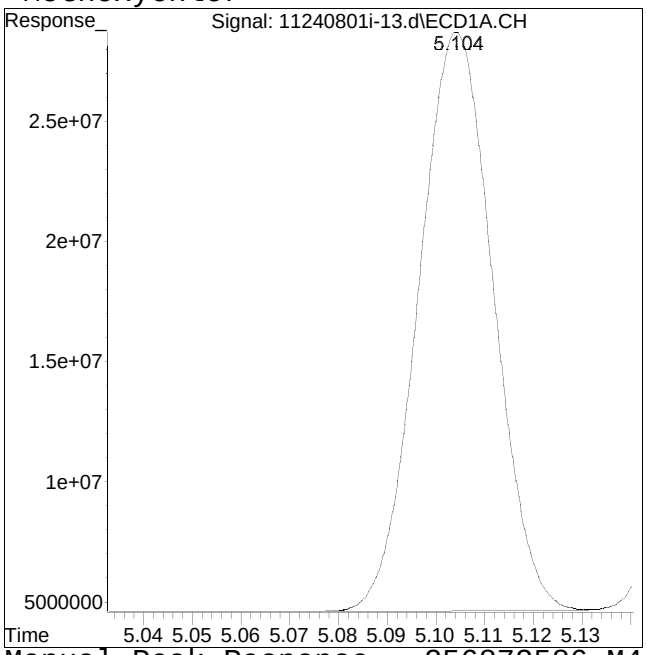
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #23: Methoxychlor



Original Peak Response = 258839617



Manual Peak Response = 256872586 M4

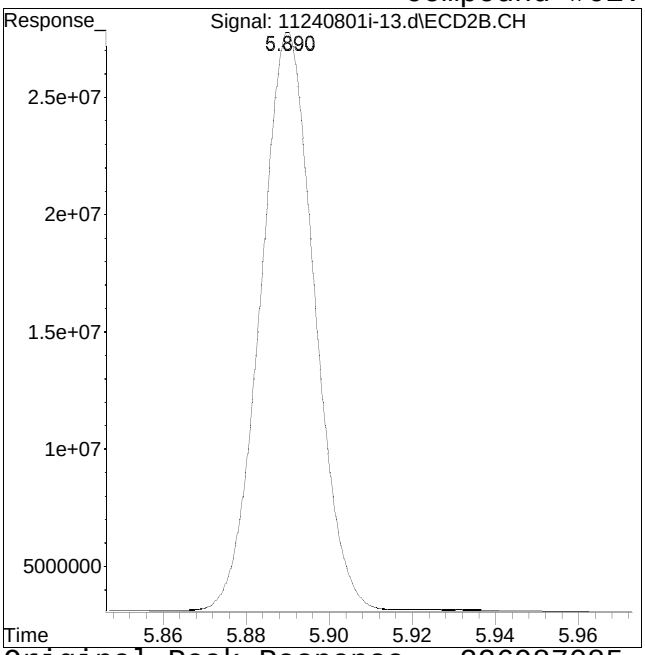
M4 = Poor automated baseline construction.

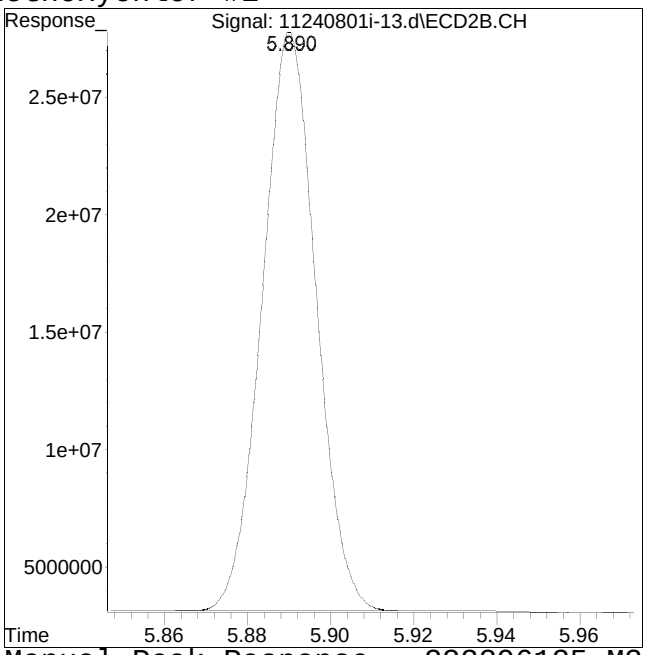
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #61: Methoxychlor #2





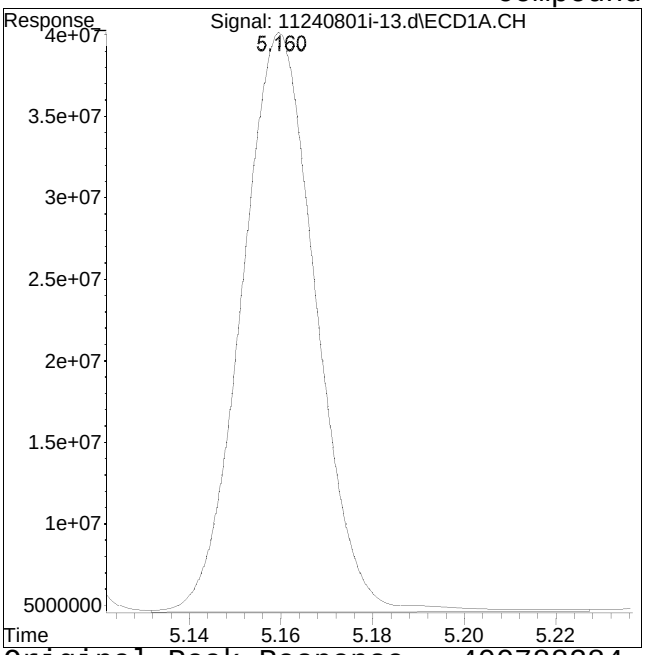
Original Peak Response = 226987085 Manual Peak Response = 222296125 M3

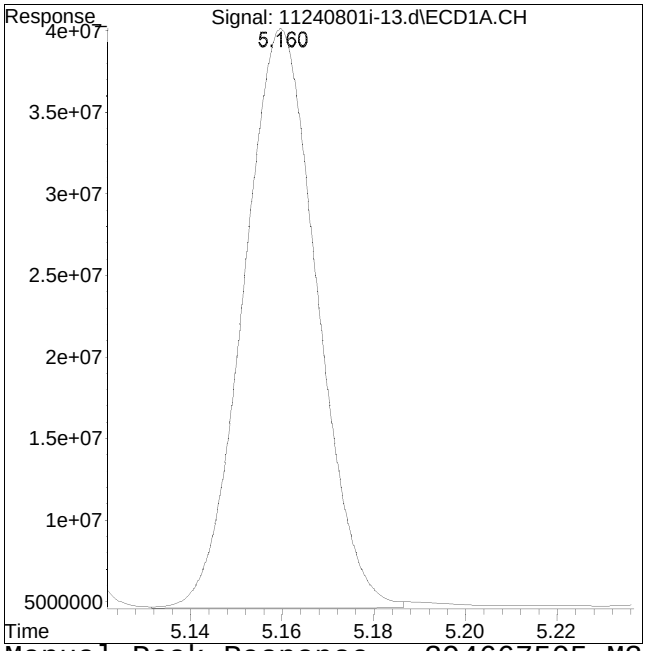
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #24: Mirex





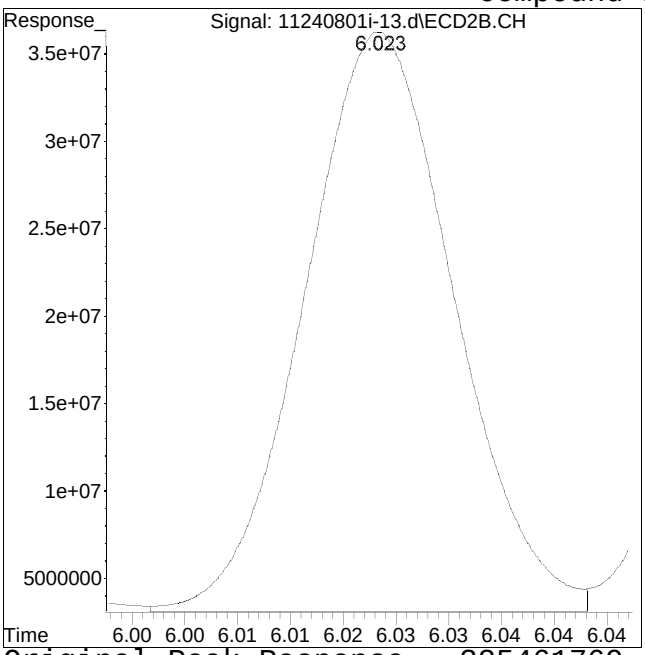
Original Peak Response = 400788384 Manual Peak Response = 394667505 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

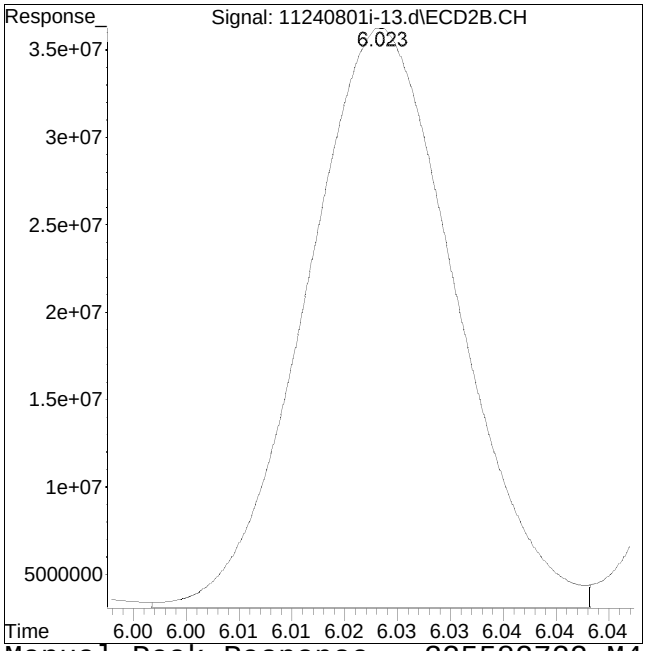
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #62: Mirex #2



Original Peak Response = 325461769



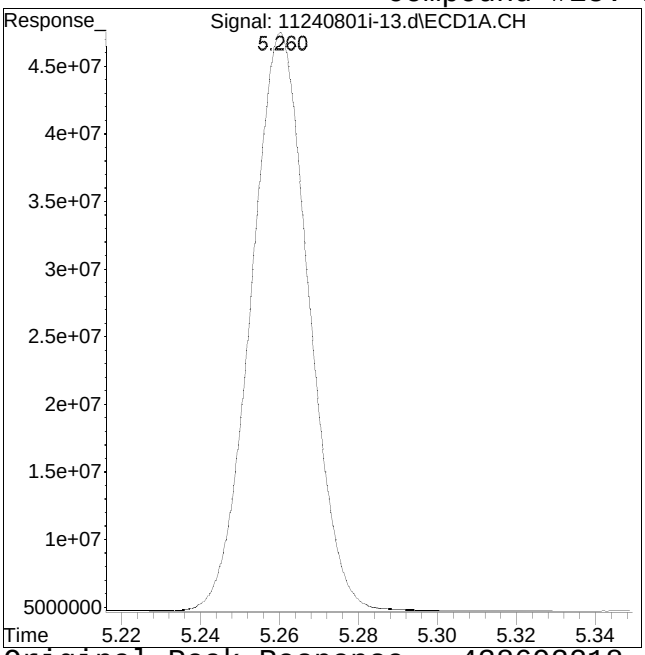
Manual Peak Response = 325582722 M4

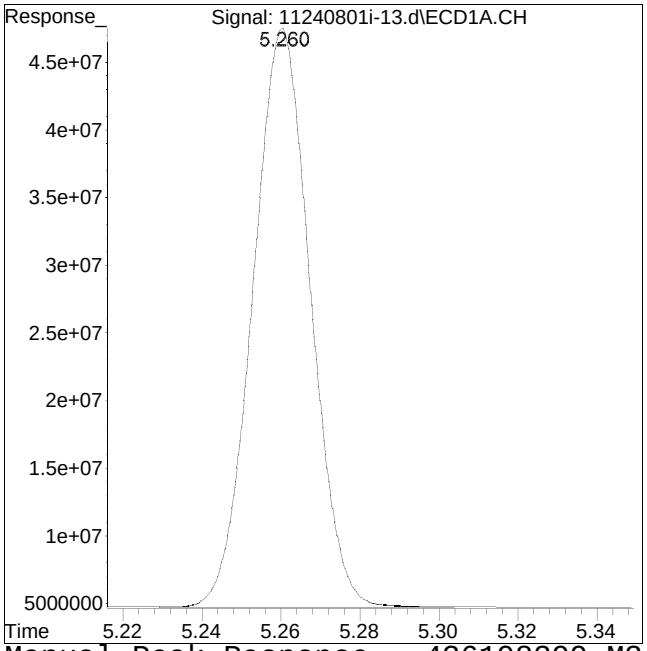
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #25: Endosulfan Sulfate





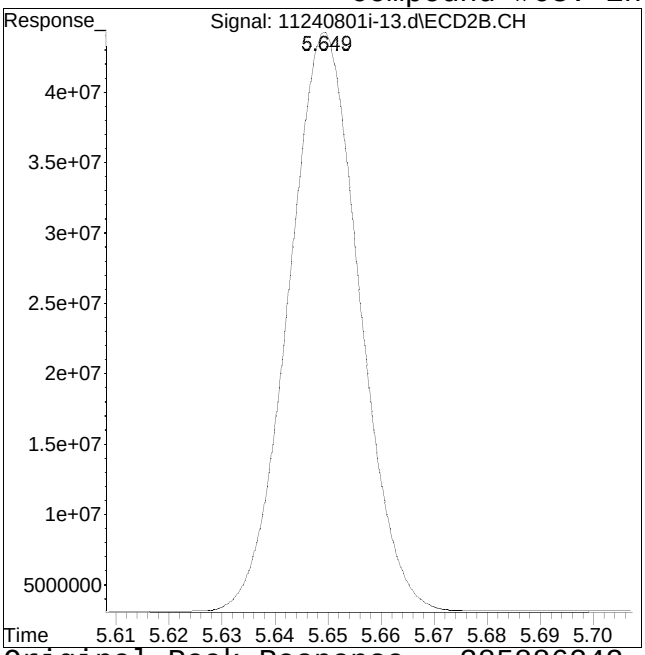
Original Peak Response = 438692218 Manual Peak Response = 436198399 M3

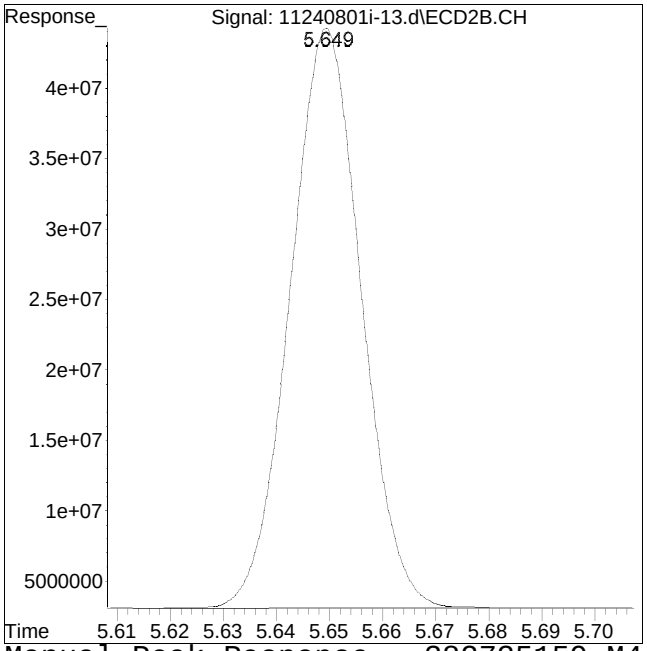
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #63: Endosulfan Sulfate #2



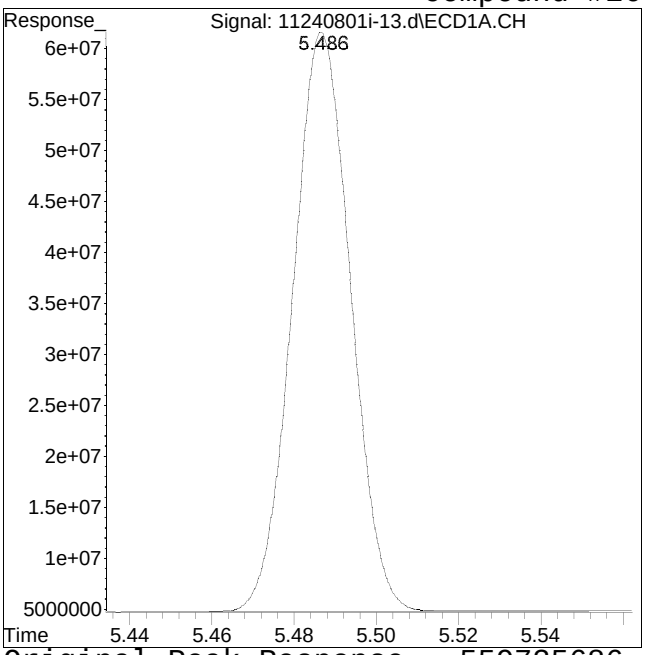


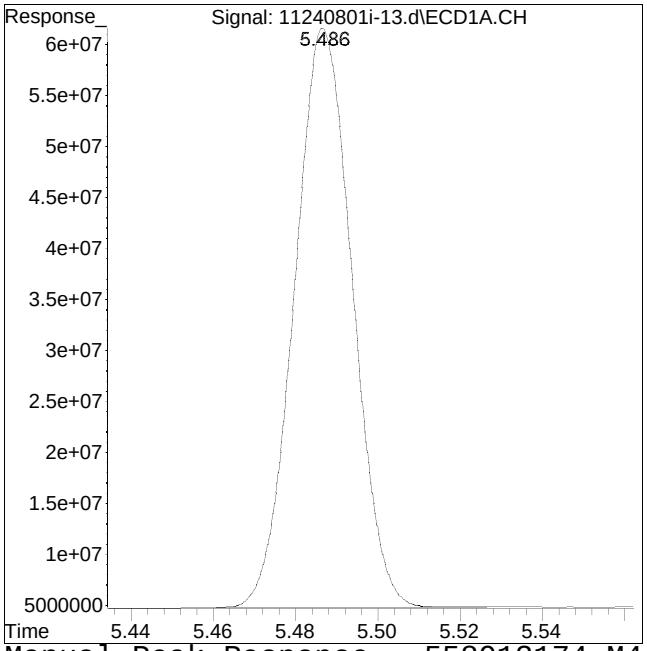
Original Peak Response = 385886242 Manual Peak Response = 382735159 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #26: Endrin Ketone



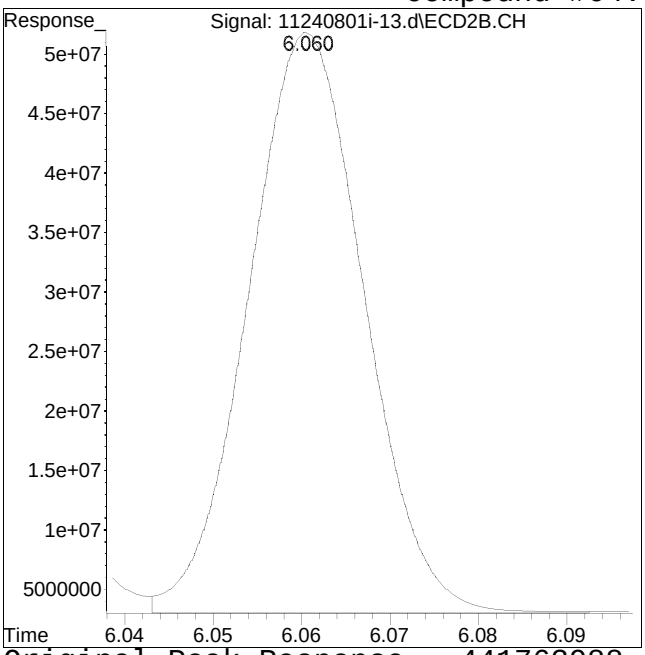


Original Peak Response = 559735686 Manual Peak Response = 558913174 M4
M4 = Poor automated baseline construction.

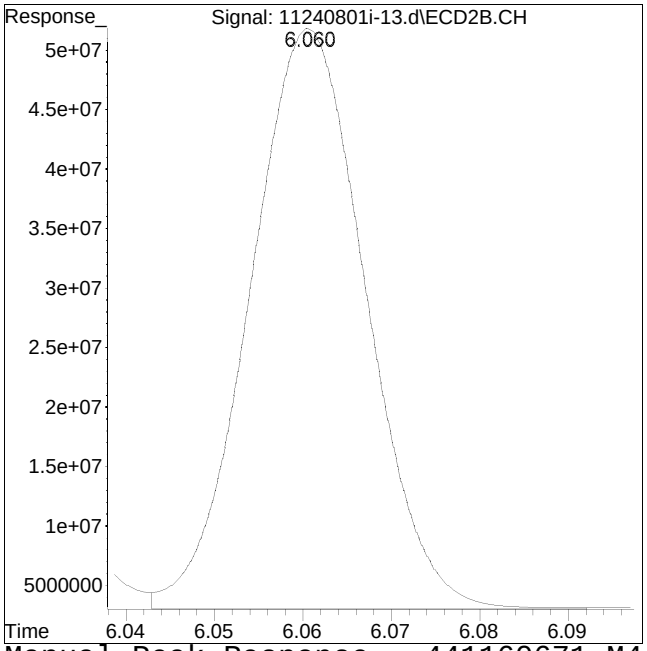
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #64: Endrin Ketone #2



Original Peak Response = 441763988



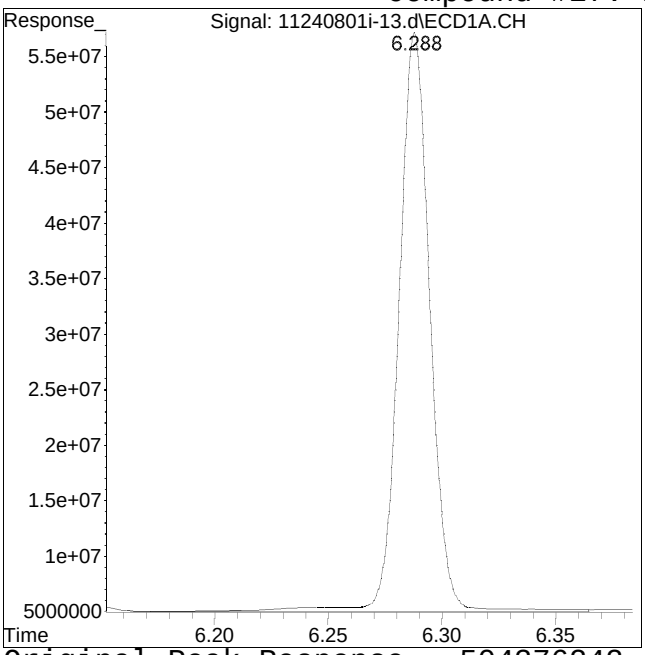
Manual Peak Response = 441160671 M4

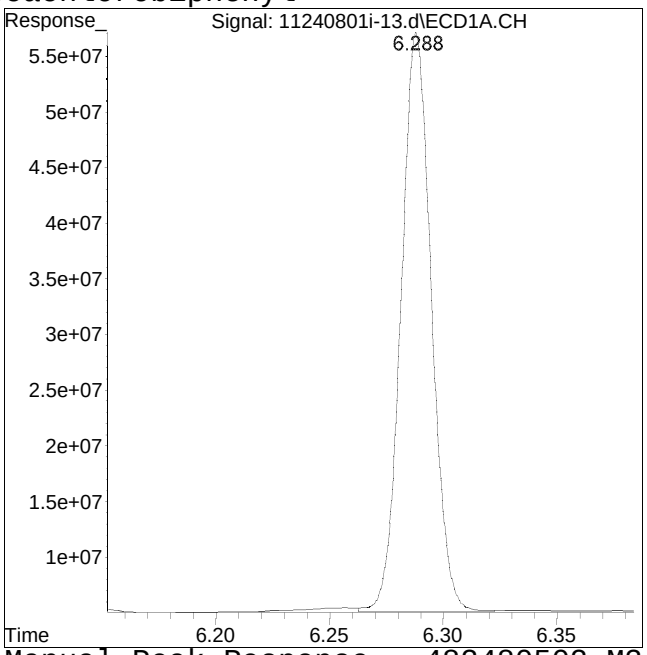
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #27: Decachlorobiphenyl



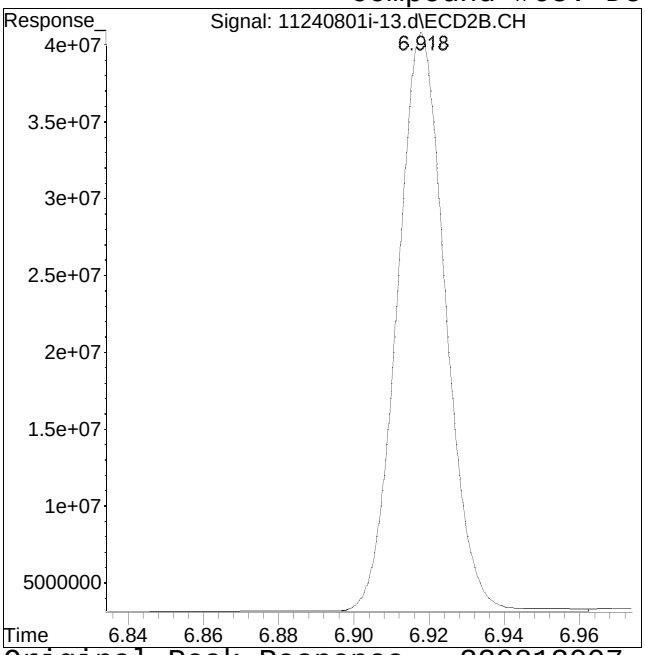


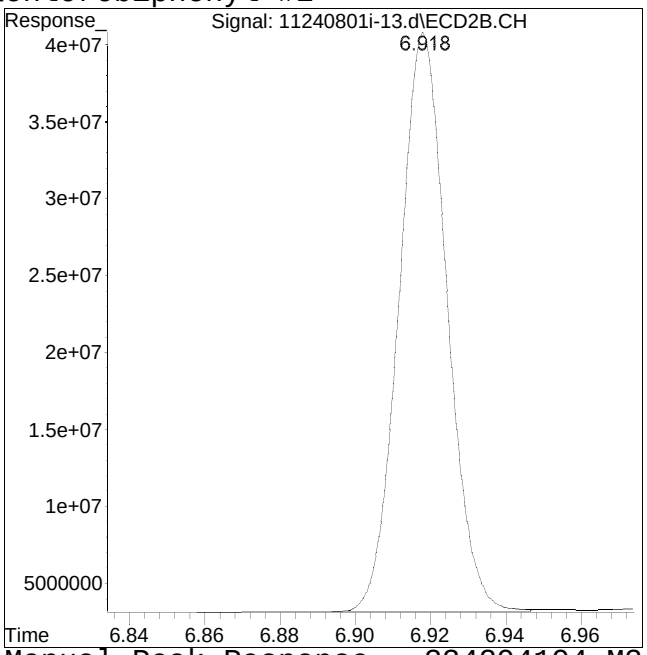
Original Peak Response = 504376242 Manual Peak Response = 482480502 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 339813007 Manual Peak Response = 334294194 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:48
Operator : PEST11:ejl
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:13:06 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:12:45 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.386	221.9E6	176.1E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16) t	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:48
Operator : PEST11:ejl
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:13:06 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:12:45 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.817	3348778	3797653	10.230	12.954
30) l1	chlordane-3	2.868	3.423	4387652	4962525	10.696M4	14.420
31) l1	chlordane-4	3.425	4.104	14578311	14683745	10.355	12.473
32) l1	chlordane-5	3.553	4.275	21582458	11409156	9.913	12.528
Sum	chlordane-1			43897199	34853078	NoCal	NoCal D
Average	chlordane-1					10.299	13.094
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

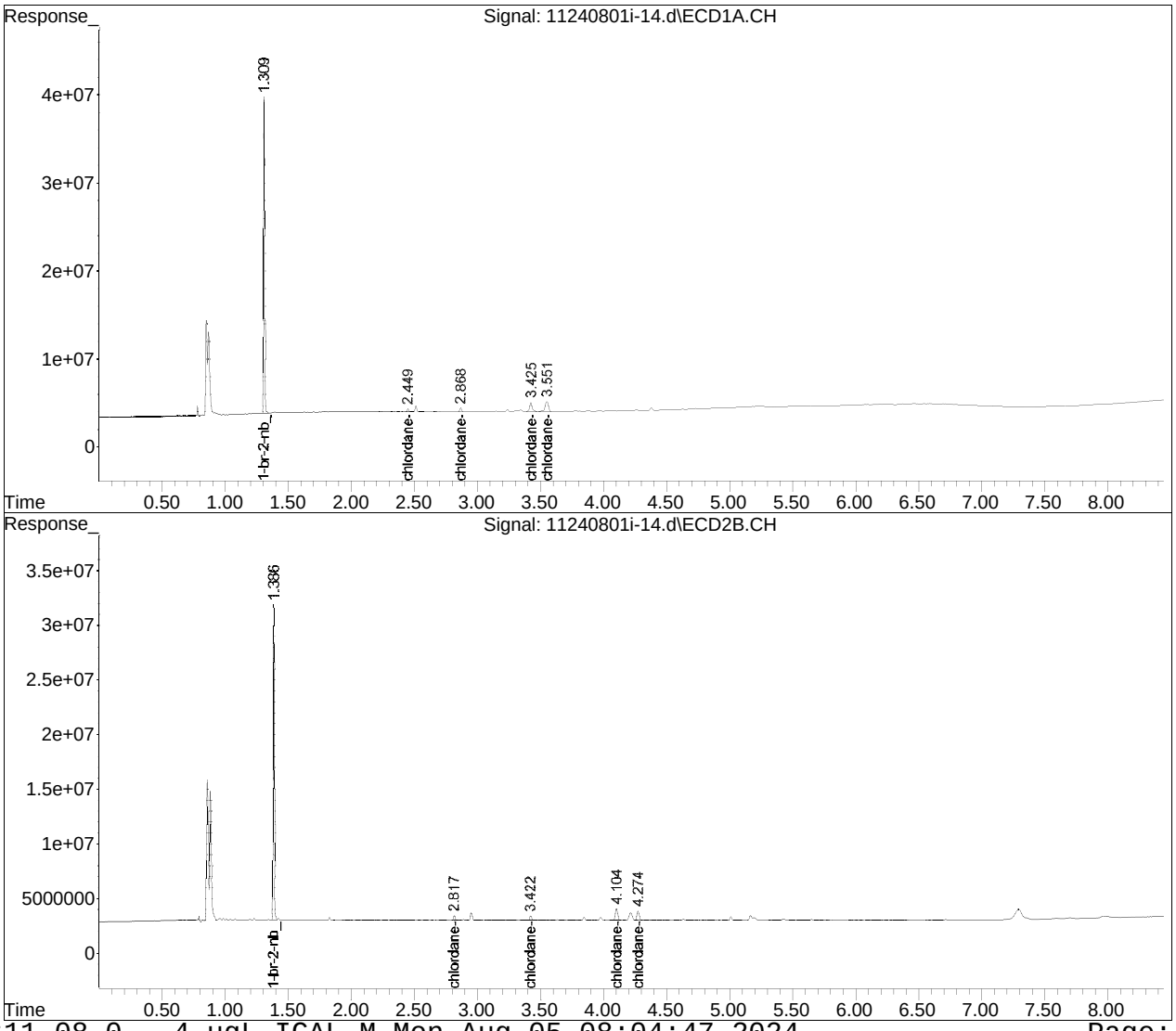
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:48
Operator : PEST11:ejl
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:13:06 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:12:45 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

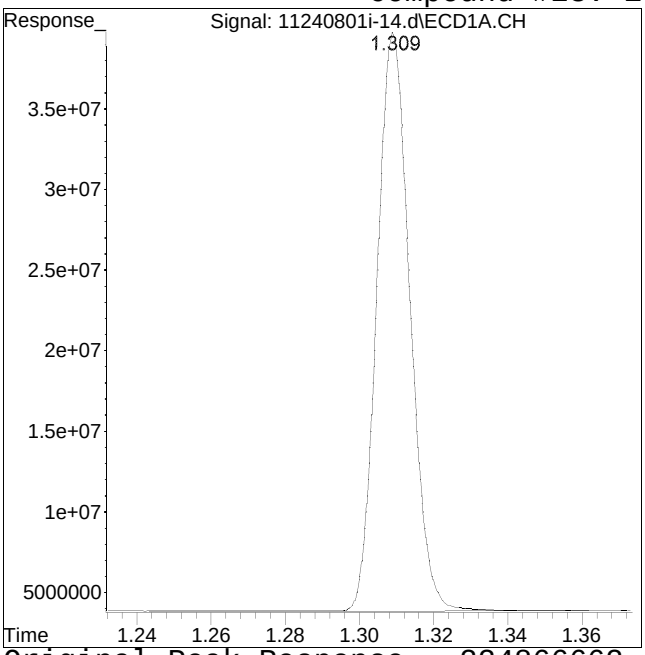


Manual Integration Report

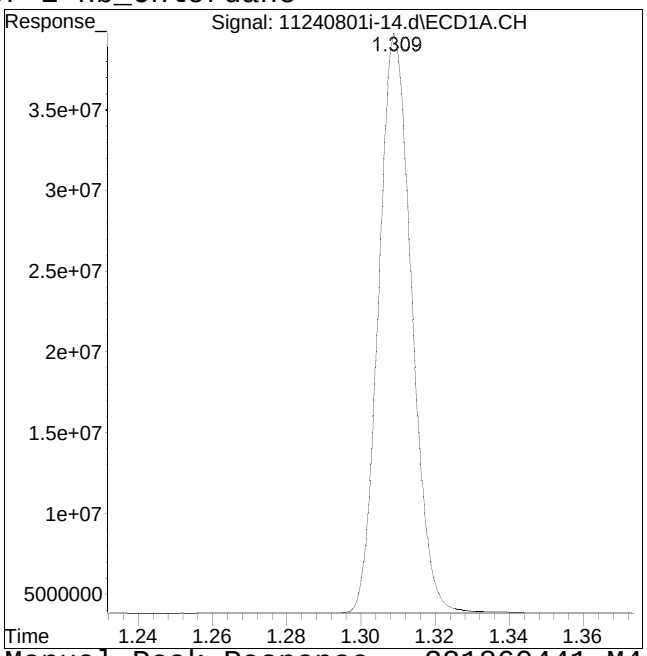
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-14.d
Date Inj'd : 8/1/2024 20:48
Sample : il3chlor,42e,,pp 11694 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:13 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 224866662



Manual Peak Response = 221860441 M4

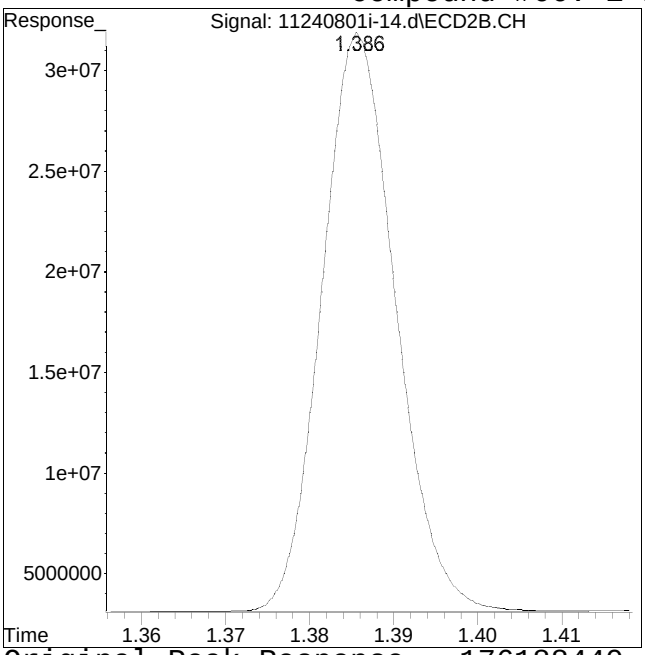
M4 = Poor automated baseline construction.

Manual Integration Report

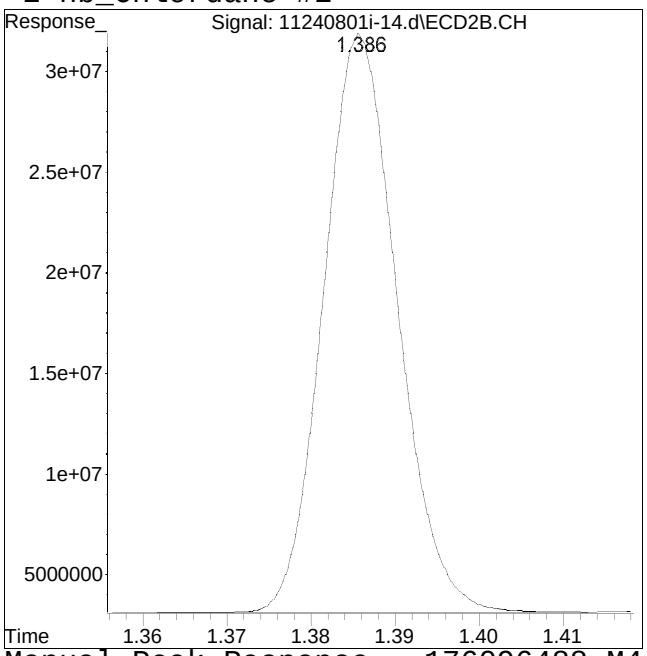
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-14.d
Date Inj'd : 8/1/2024 20:48
Sample : il3chlor,42e,,pp 11694 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:13 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 176188440



Manual Peak Response = 176096488 M4

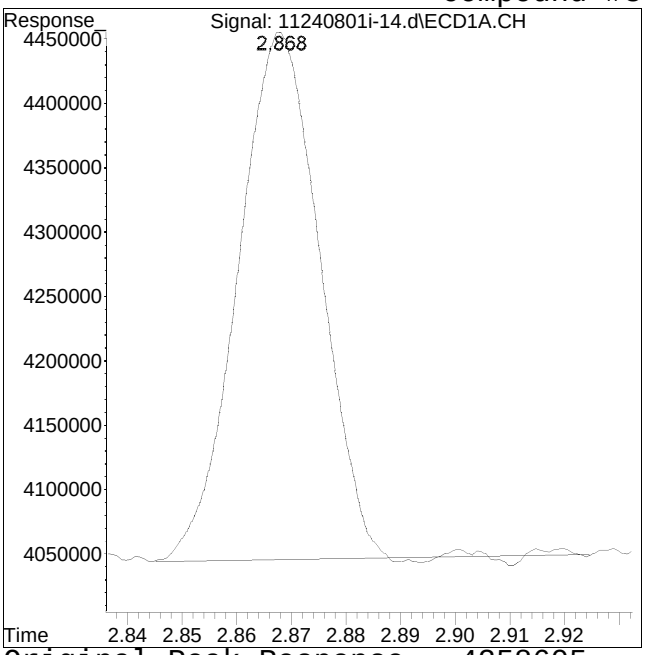
M4 = Poor automated baseline construction.

Manual Integration Report

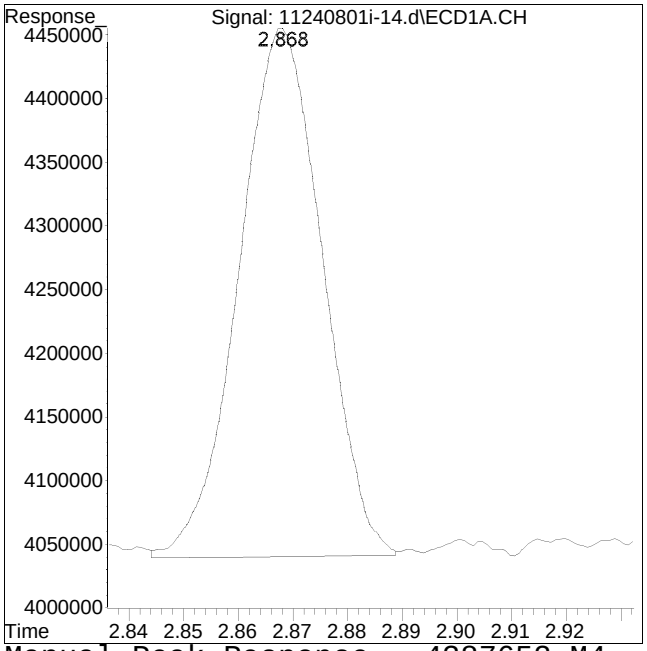
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-14.d
Date Inj'd : 8/1/2024 20:48
Sample : il3chlor,42e,,pp 11694 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:13 pm

Compound #30: chlordane-3



Original Peak Response = 4258605



Manual Peak Response = 4387652 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:00
Operator : PEST11:ejl
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:11:50 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:11:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.386	215.7E6	175.4E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:00
Operator : PEST11:ejl
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:11:50 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:11:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.818	6270200	7260829	19.646	26.129
30) l1	chlordane-3	2.869	3.422	9042606	9017445	23.300	28.067M4
31) l1	chlordane-4	3.426	4.105	27276142	26803162	19.917	23.521
32) l1	chlordane-5	3.552	4.275	42068468	20966520	19.853	23.849
Sum	chlordane-1			84657416	64047956	NoCal	NoCal D
Average	chlordane-1					20.679	25.392
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

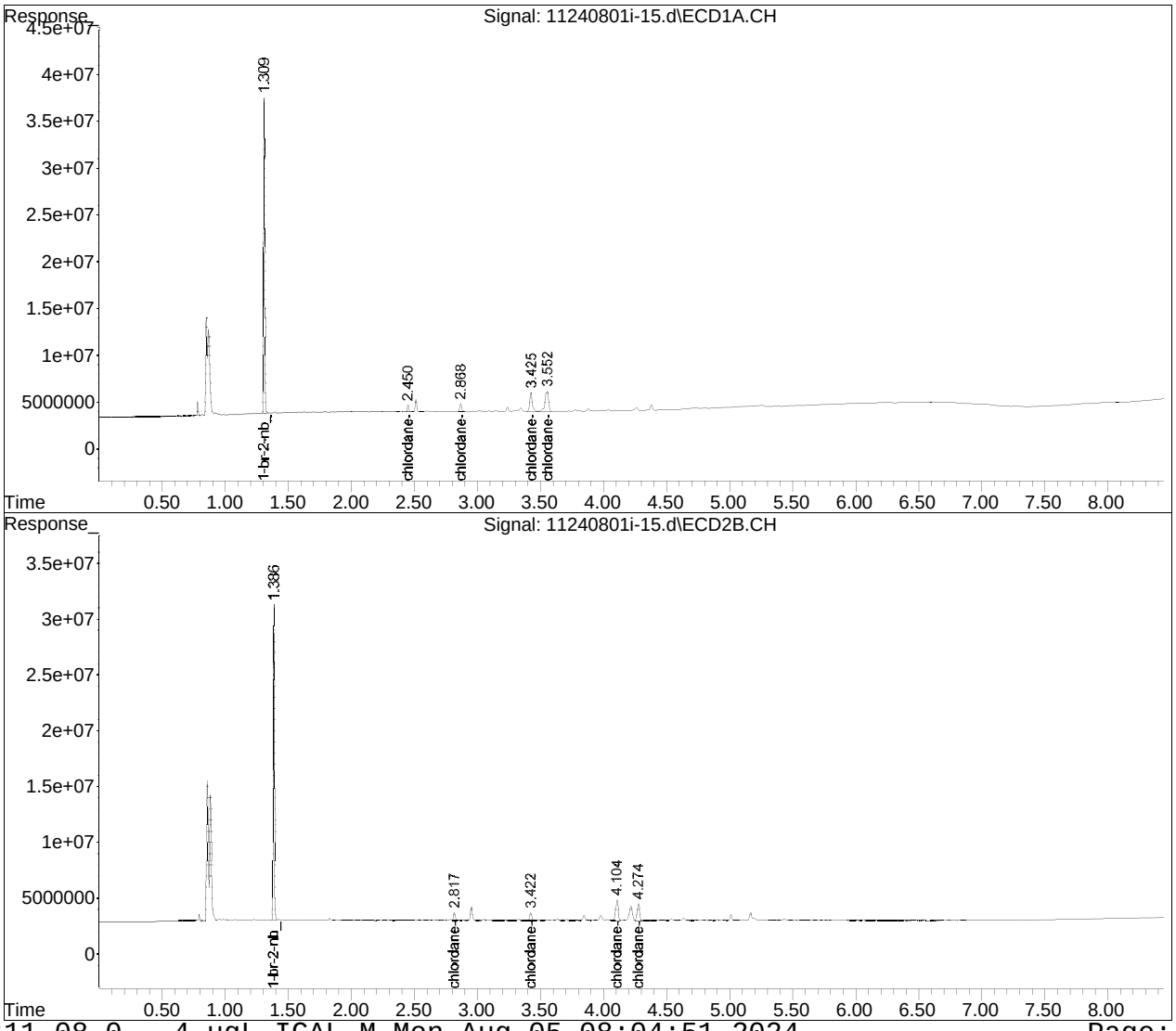
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:00
Operator : PEST11:ejl
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:11:50 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:11:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

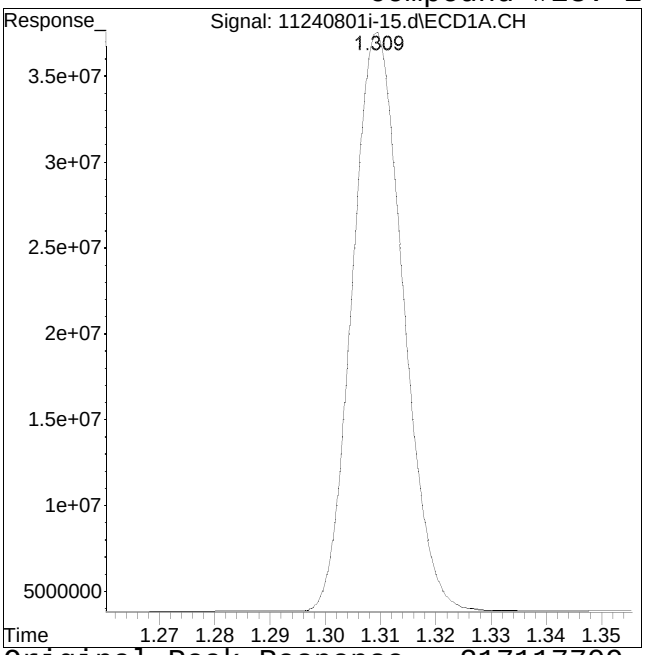
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

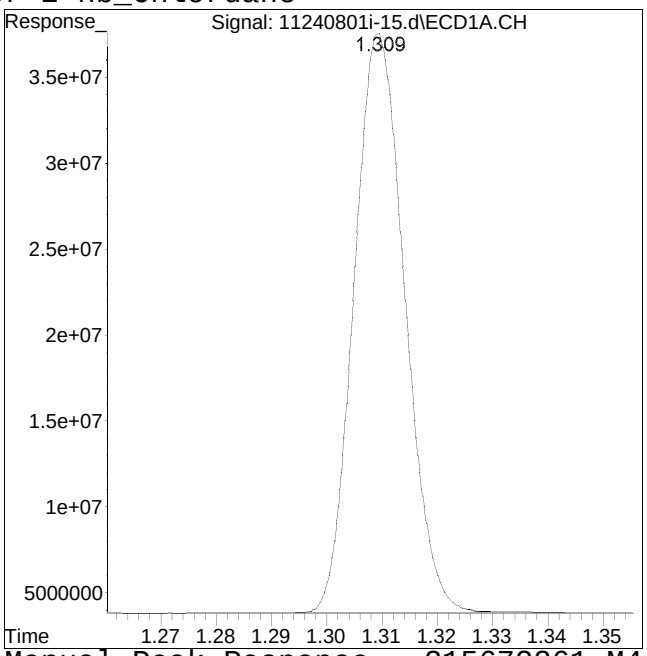


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-15.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:00 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/2/2024 12:11 pm

Compound #28: 1-br-2-nb_Chlordane



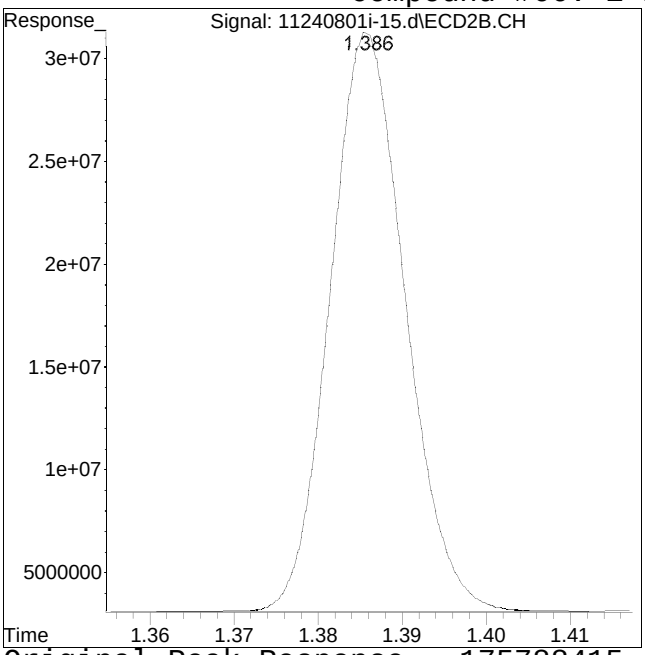


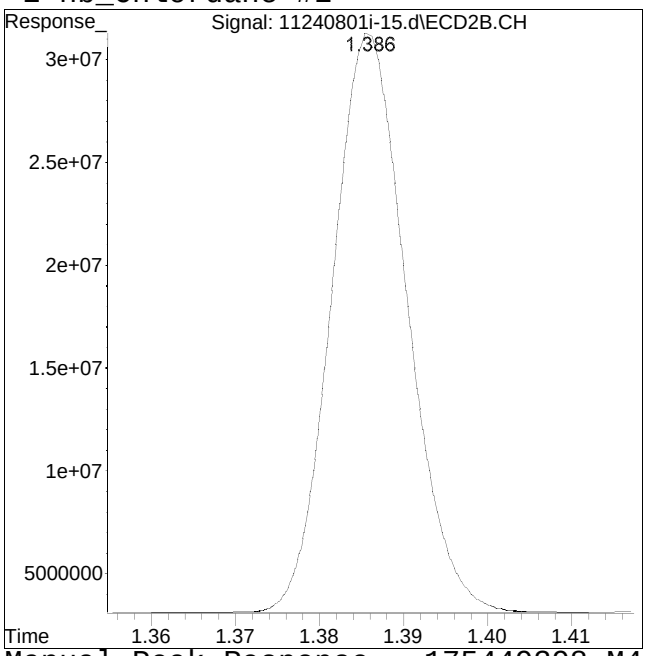
Original Peak Response = 217117709 Manual Peak Response = 215672261 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-15.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:00 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/2/2024 12:11 pm

Compound #66: 1-br-2-nb_Chlordane #2



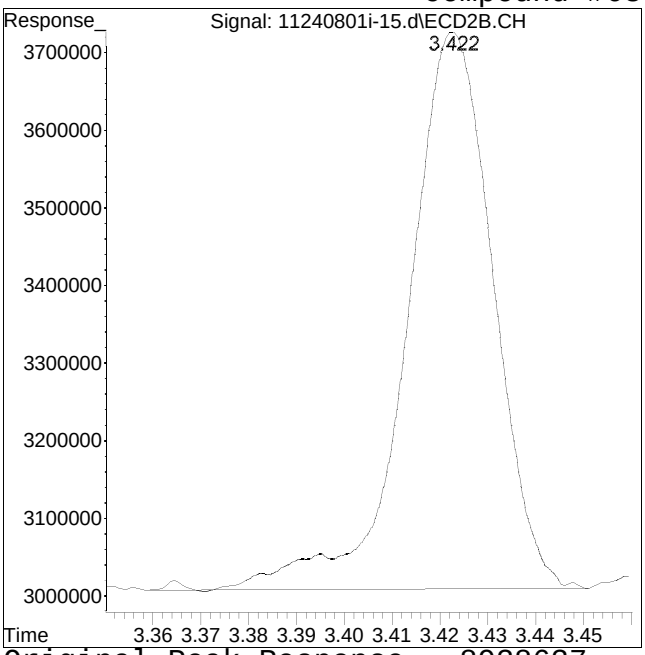


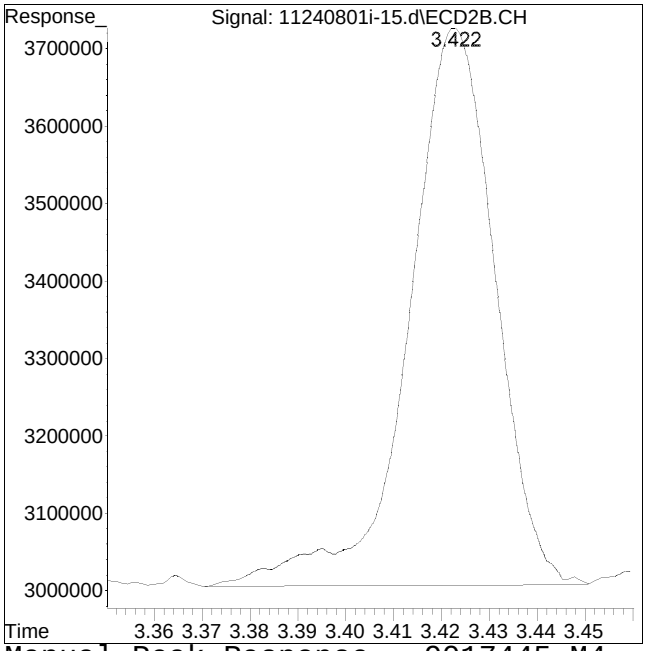
Original Peak Response = 175788415 Manual Peak Response = 175449398 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-15.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:00 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/2/2024 12:11 pm

Compound #68: chlordane-3 #2





Original Peak Response = 8938637 Manual Peak Response = 9017445 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:12
Operator : PEST11:ejl
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:10:36 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:10:28 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28)	i	1-br-2-nb_Ch	1.310	1.386	213.1E6	177.4E6	25.000M3	25.000M4
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27)	s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
		Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
		Target Compounds						
3)	t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:12
Operator : PEST11:ejl
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:10:36 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:10:28 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.818	31747496	31529401	100.863	115.730
30) l1	chlordane-3	2.868	3.423	42064633	39044033	112.438M3	126.559
31) l1	chlordane-4	3.426	4.105	133.2E6	117.6E6	98.086	102.618
32) l1	chlordane-5	3.553	4.275	208.7E6	92314998	99.611	104.846
Sum	chlordane-1			415.7E6	280.5E6	NoCal	NoCal D
Average	chlordane-1					102.749	112.438
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

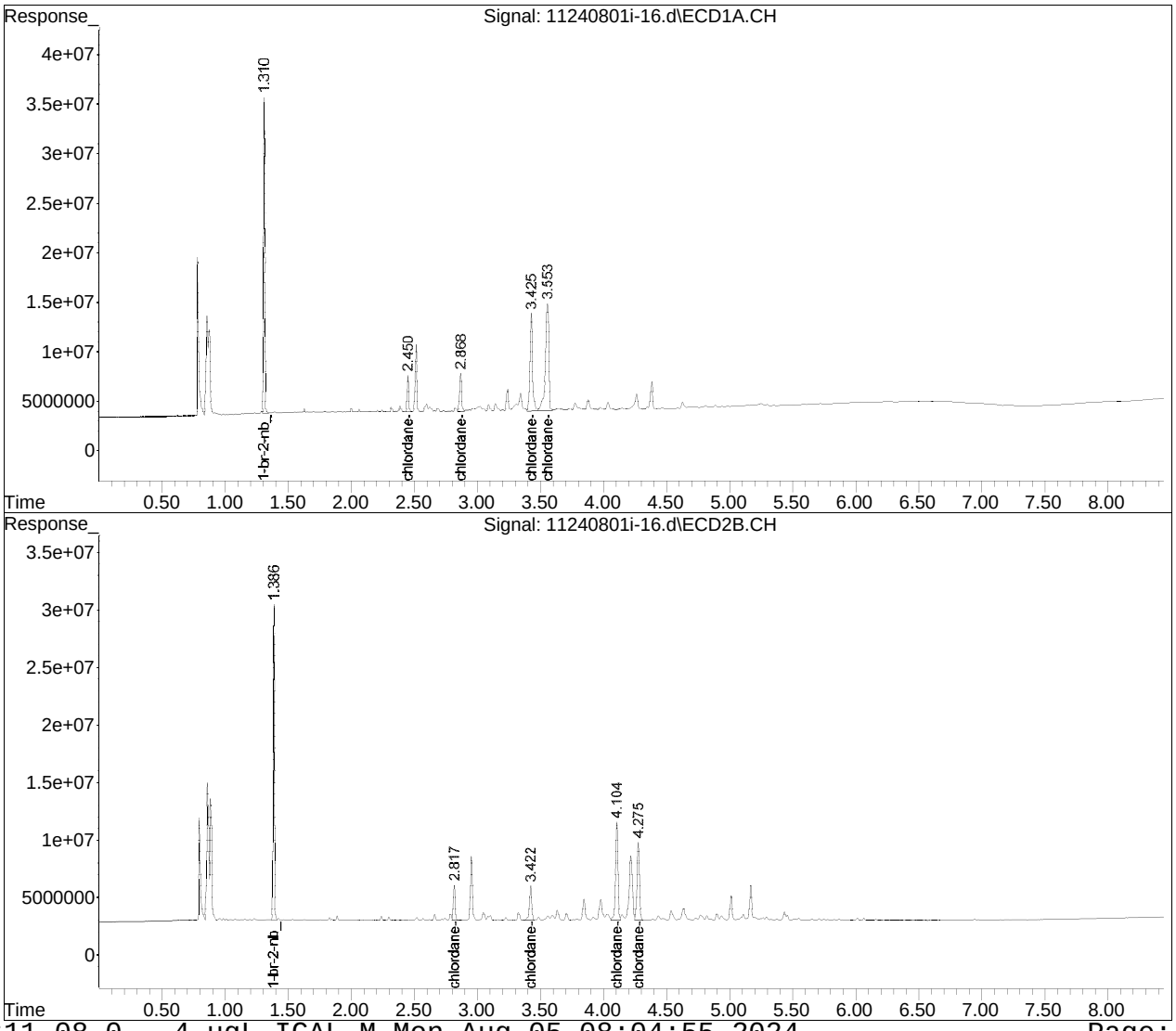
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:12
Operator : PEST11:ejl
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:10:36 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:10:28 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

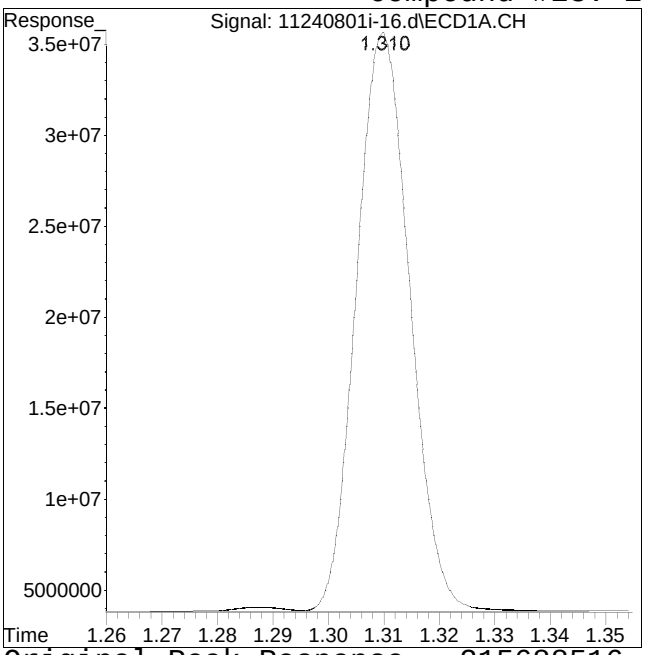


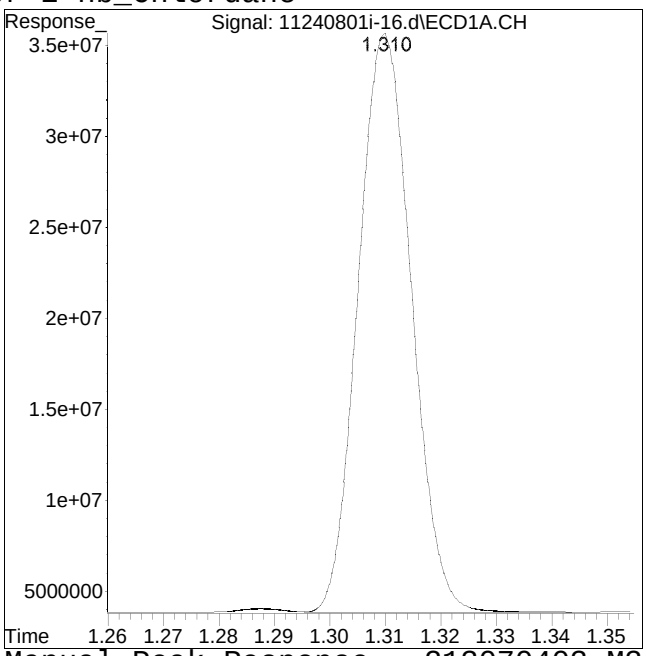
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-16.d
Date Inj'd : 8/1/2024 21:12
Sample : il5chlor,42e,,pp 11692 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:10 pm

Compound #28: 1-br-2-nb_Chlordane





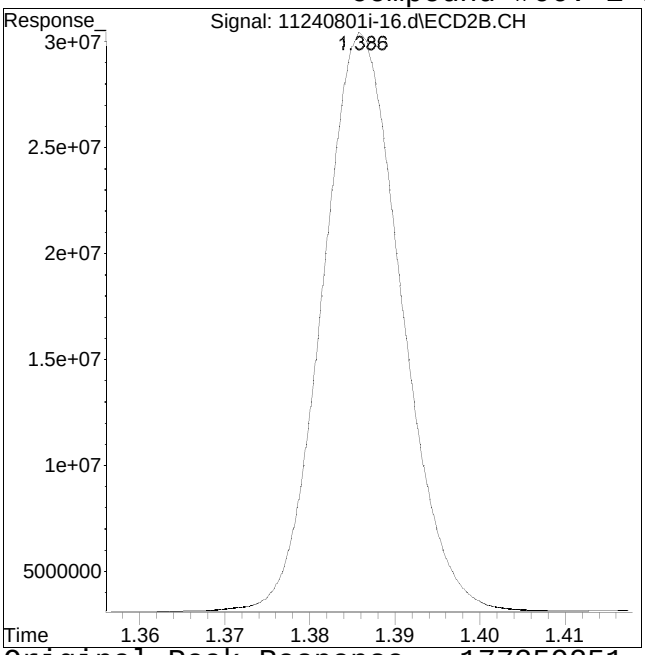
Original Peak Response = 215688516 Manual Peak Response = 213070403 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

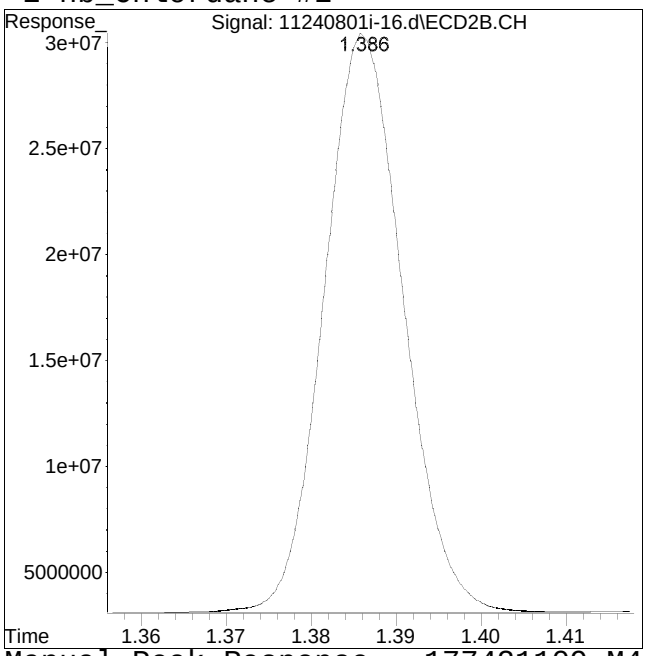
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-16.d
Date Inj'd : 8/1/2024 21:12
Sample : il5chlor,42e,,pp 11692 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:10 pm

Compound #66: 1-br-2-nb_Chlordane #2



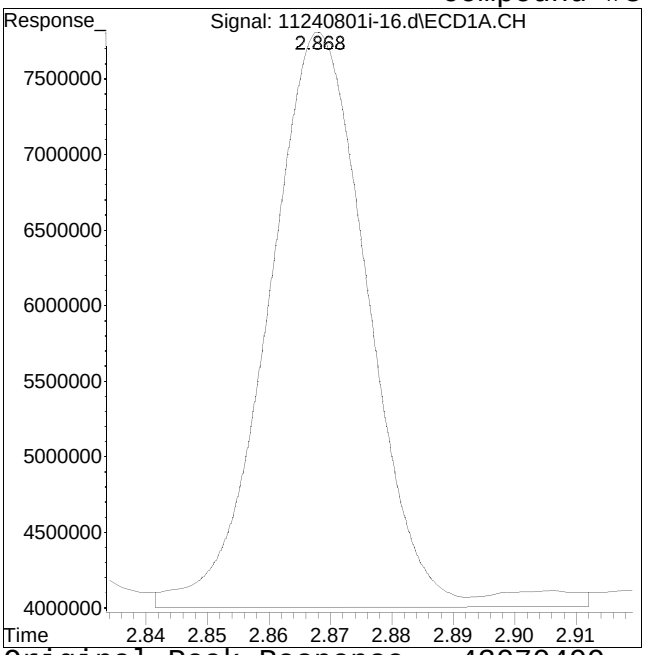


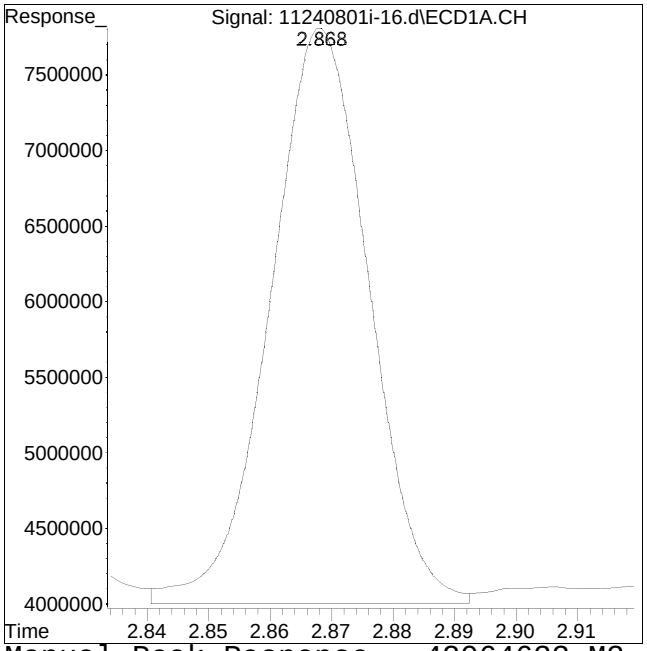
Original Peak Response = 177259251 Manual Peak Response = 177421109 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-16.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:12 Instrument : Pest 11
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 8/2/2024 12:10 pm

Compound #30: chlordane-3





Original Peak Response = 43070499 Manual Peak Response = 42064633 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:24
Operator : PEST11:ejl
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:09:22 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:09:13 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.385	218.4E6	184.3E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:24
Operator : PEST11:ejl
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:09:22 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:09:13 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.818	161.0E6	143.9E6	498.684	511.438
30) l1	chlordane-3	2.868	3.423	200.4E6	172.2E6	530.433	551.110
31) l1	chlordane-4	3.425	4.105	700.4E6	600.2E6	504.213	505.425
32) l1	chlordane-5	3.551	4.275	1089.8E6	462.7E6	510.023M3	507.838
Sum	chlordane-1			2151.6E6	1379.0E6	NoCal	NoCal D
Average	chlordane-1					510.838	518.953
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

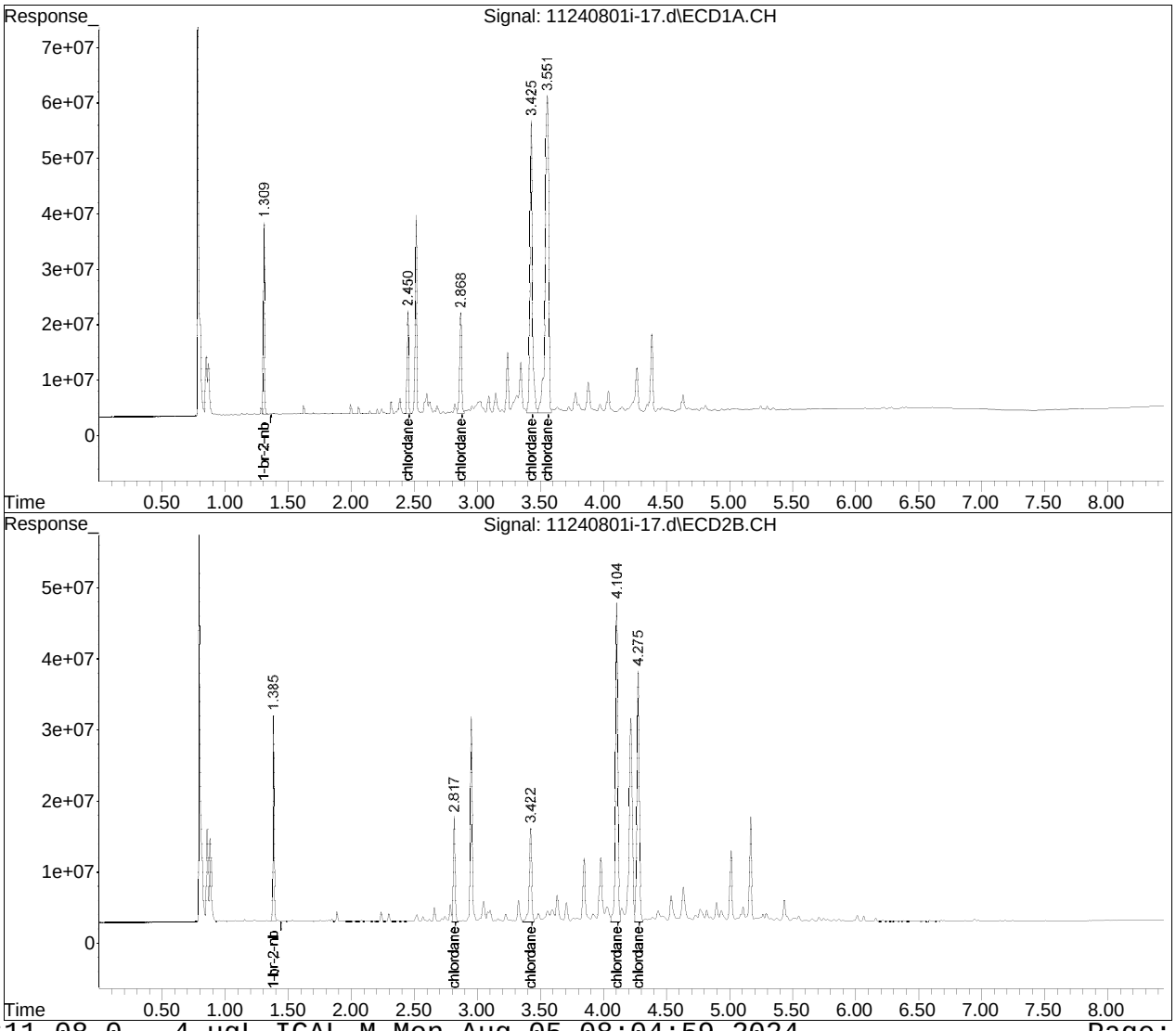
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:24
Operator : PEST11:ejl
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:09:22 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:09:13 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

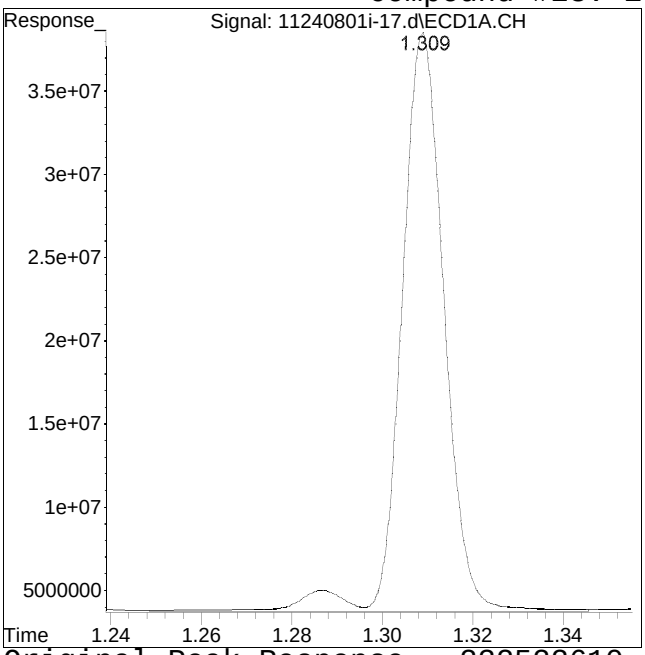


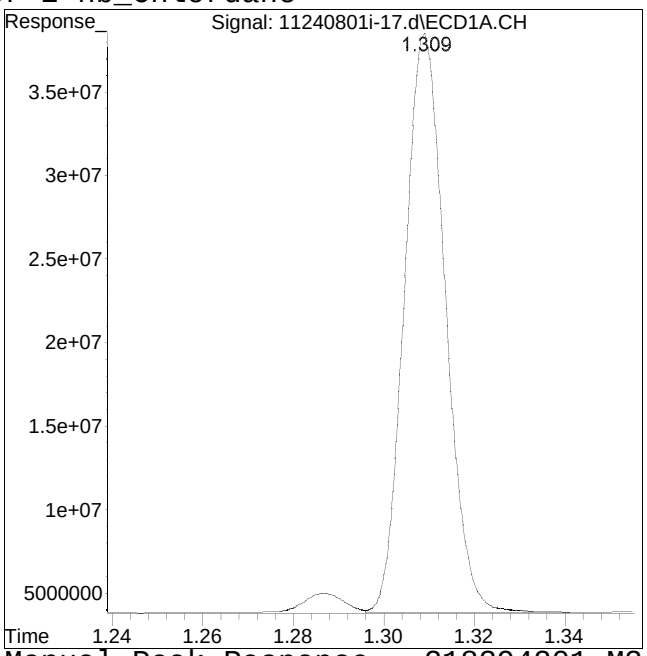
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-17.d
Date Inj'd : 8/1/2024 21:24
Sample : il7chlor,42e,,pp 11691 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:09 pm

Compound #28: 1-br-2-nb_Chlordane





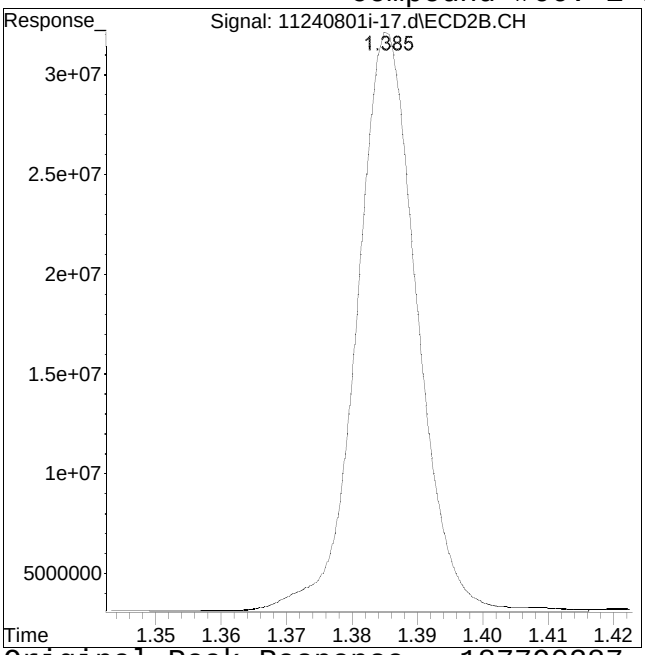
Original Peak Response = 232522610 Manual Peak Response = 218394201 M3

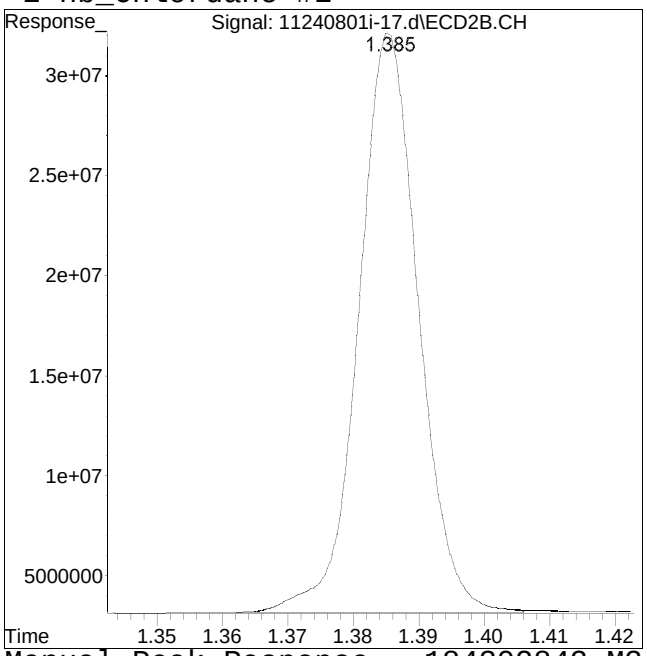
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-17.d
Date Inj'd : 8/1/2024 21:24
Sample : il7chlor,42e,,pp 11691 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:09 pm

Compound #66: 1-br-2-nb_Chlordane #2



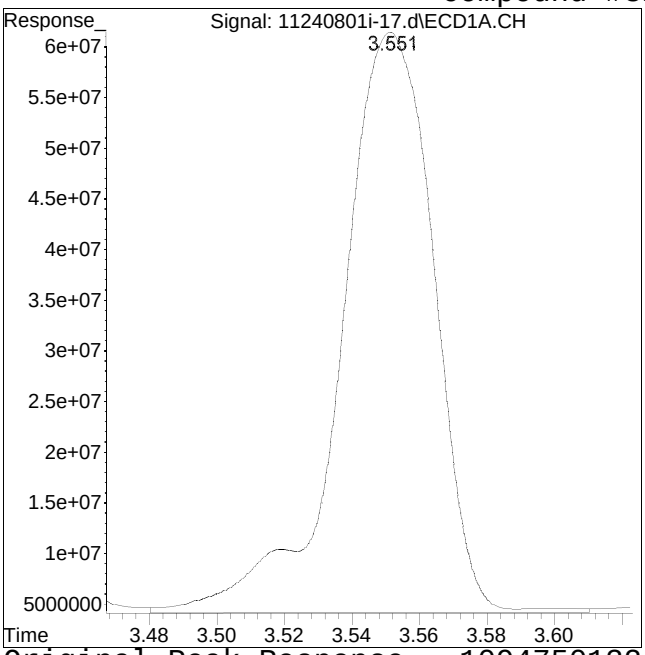


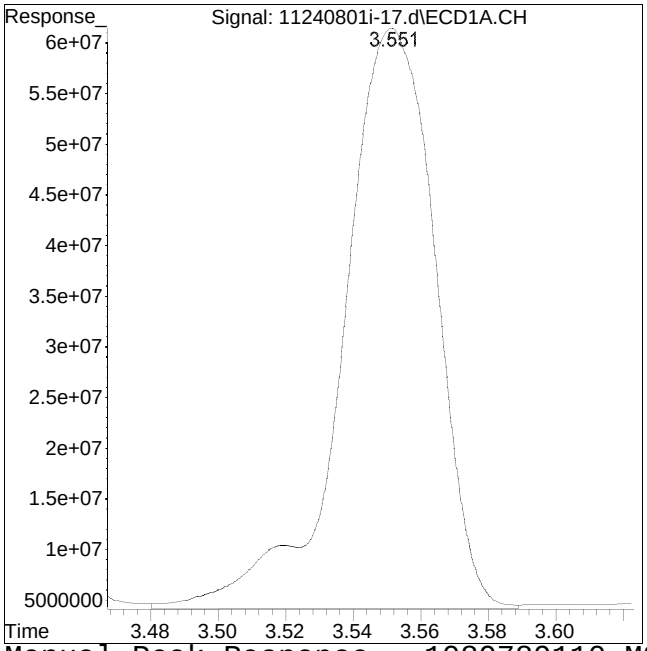
Original Peak Response = 187790387 Manual Peak Response = 184302842 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-17.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:24 Instrument : Pest 11
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 8/2/2024 12:09 pm

Compound #32: chlordane-5





Original Peak Response = 1094750132 Manual Peak Response = 1089789110 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:36
Operator : PEST11:ejl
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:55:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:55:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.385	220.2E6	184.9E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:36
Operator : PEST11:ejl
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:55:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:55:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.817	332.9E6	292.8E6	NoCal	NoCal
30) l1	chlordane-3	2.867	3.422	400.7E6	336.8E6	NoCal M3	NoCal
31) l1	chlordane-4	3.425	4.104	1449.5E6	1235.6E6	NoCal	NoCal
32) l1	chlordane-5	3.552	4.275	2241.5E6	947.4E6	NoCal M3	NoCal
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

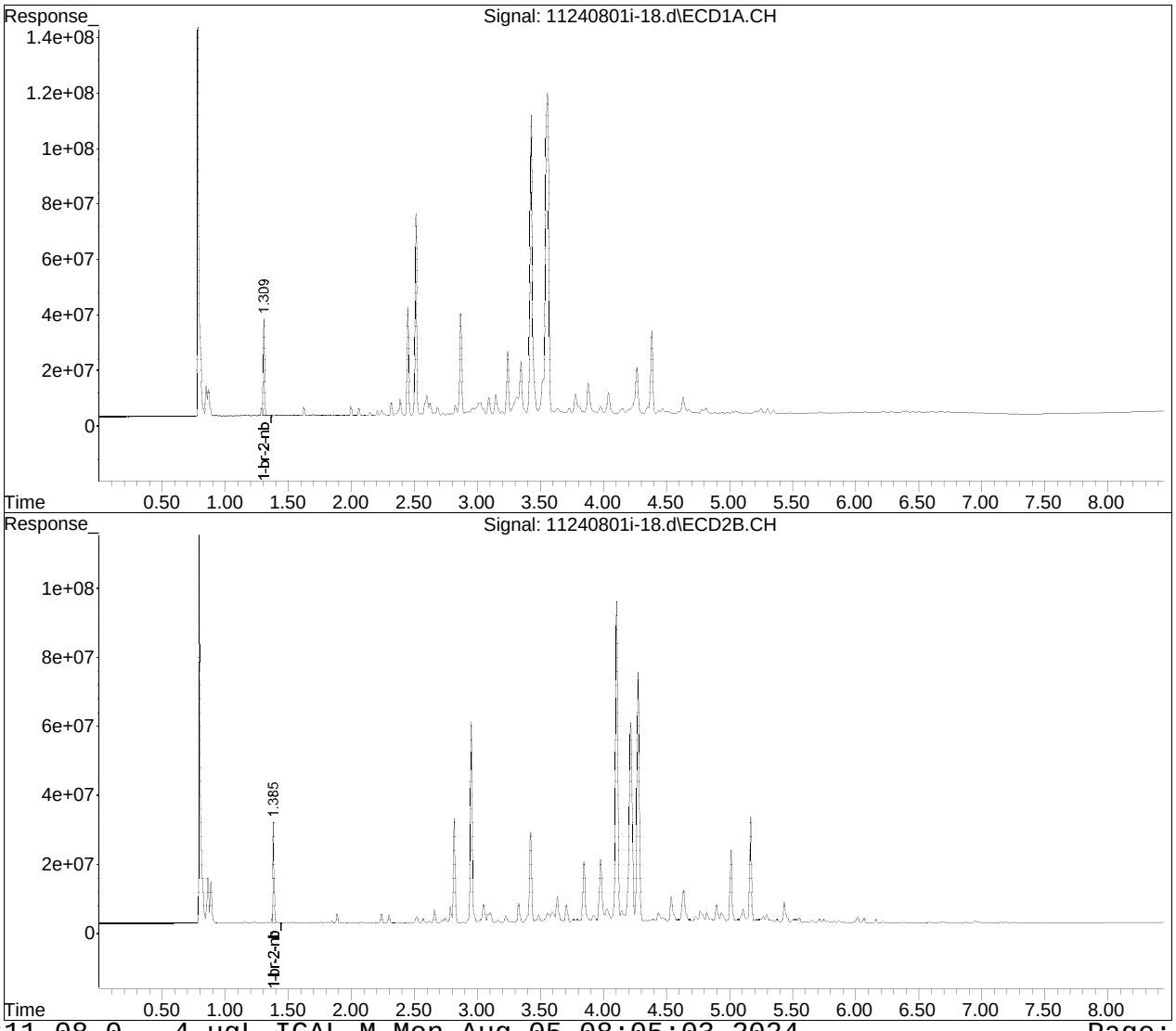
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:36
Operator : PEST11:ejl
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:55:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:55:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

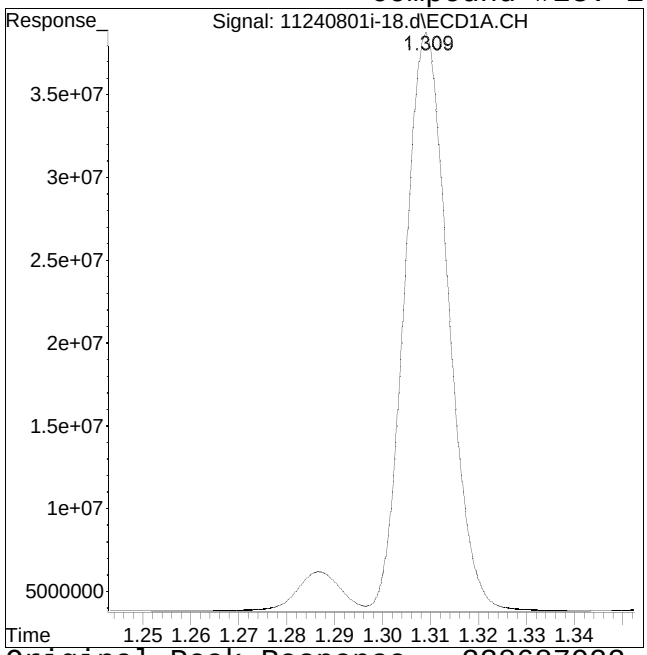


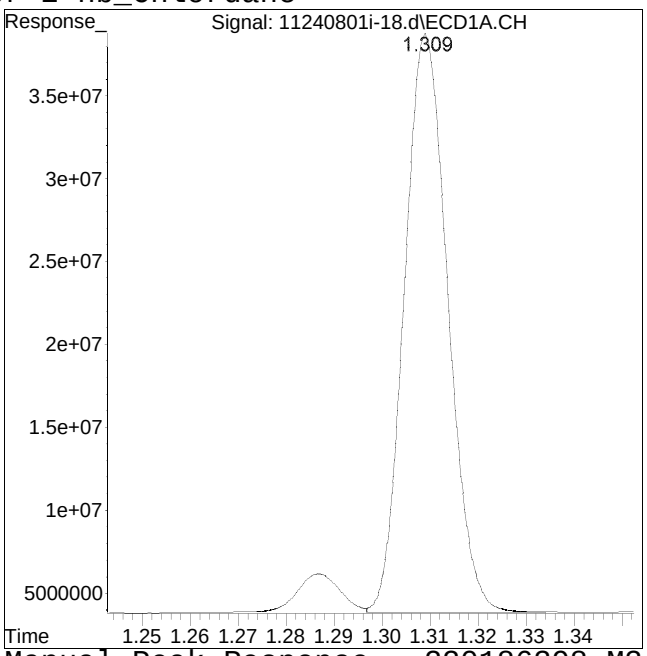
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-18.d
Date Inj'd : 8/1/2024 21:36
Sample : il8chlor,42e,,pp 11690 L1.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:55 am

Compound #28: 1-br-2-nb_Chlordane





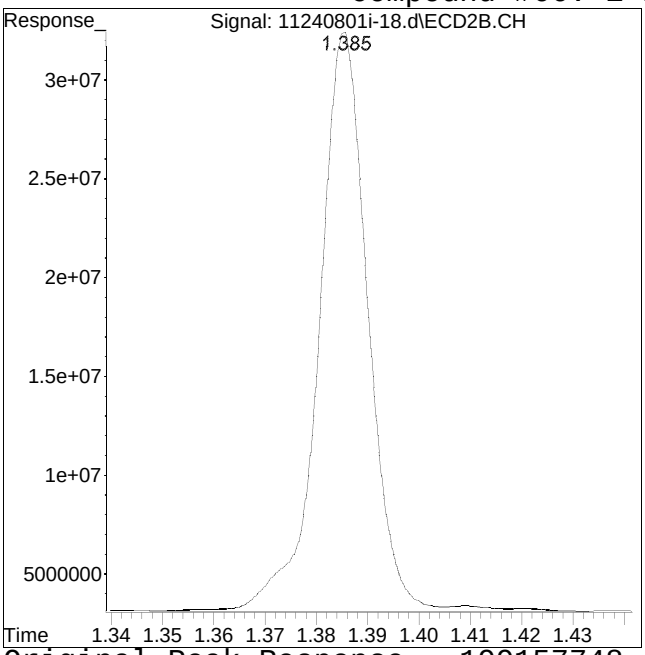
Original Peak Response = 238687922 Manual Peak Response = 220186398 M3

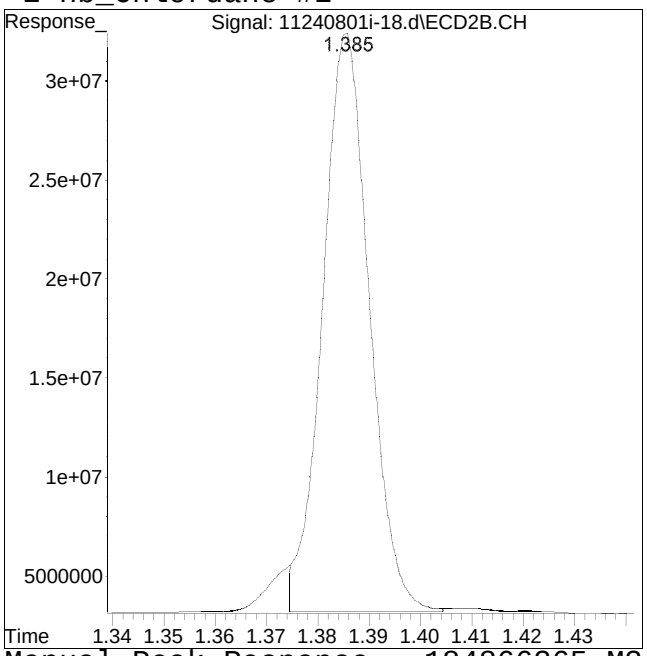
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-18.d
Date Inj'd : 8/1/2024 21:36
Sample : il8chlor,42e,,pp 11690 L1.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:55 am

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 199157748 Manual Peak Response = 184866365 M3

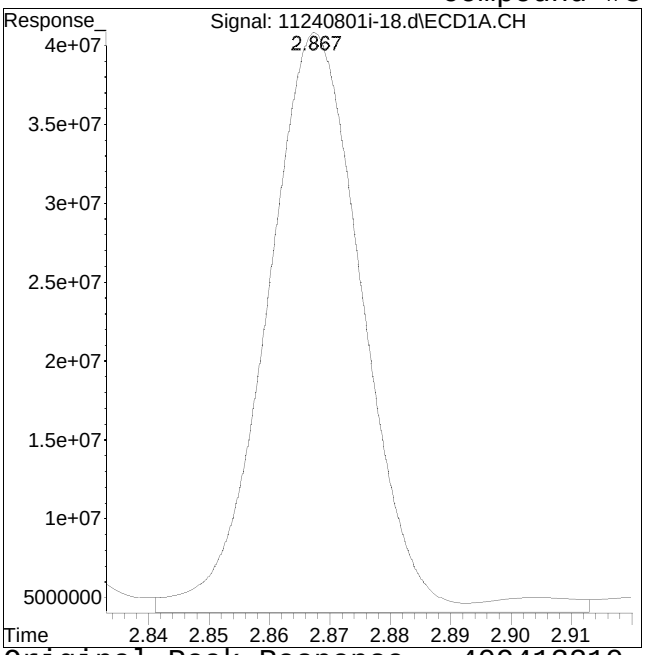
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

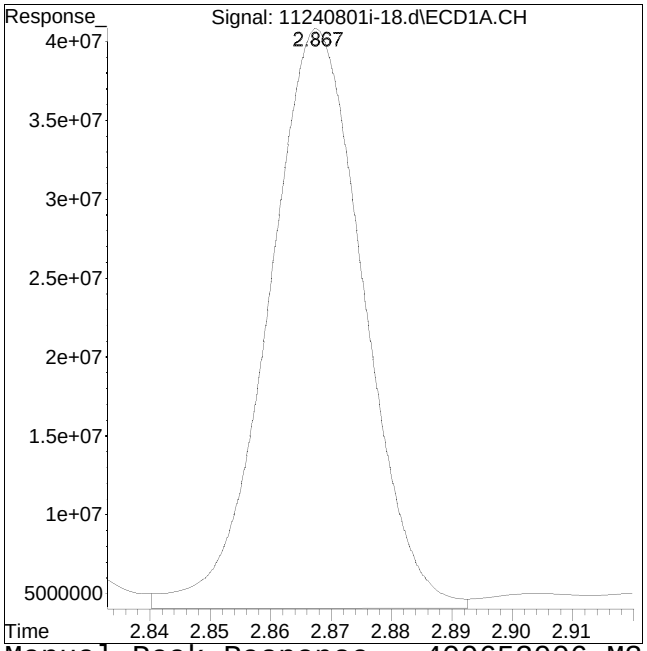
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-18.d
Date Inj'd : 8/1/2024 21:36
Sample : il8chlor,42e,,pp 11690 L1.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:55 am

Compound #30: chlordane-3





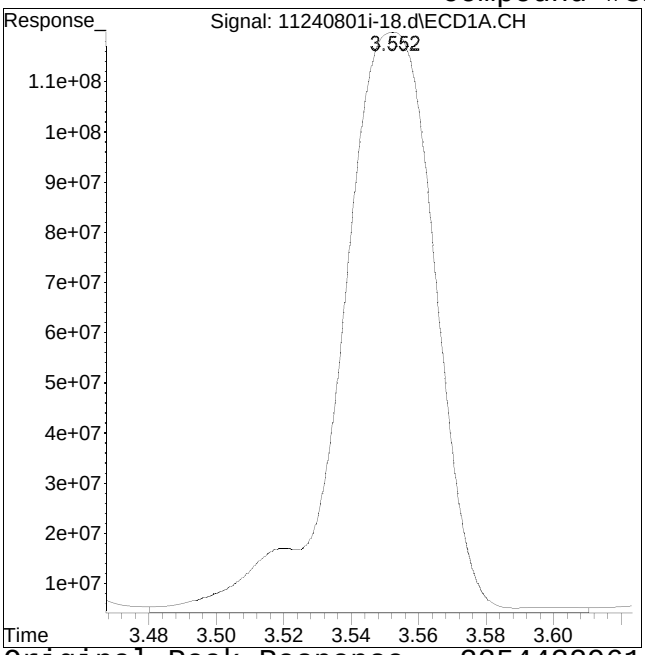
Original Peak Response = 409413310 Manual Peak Response = 400653006 M3

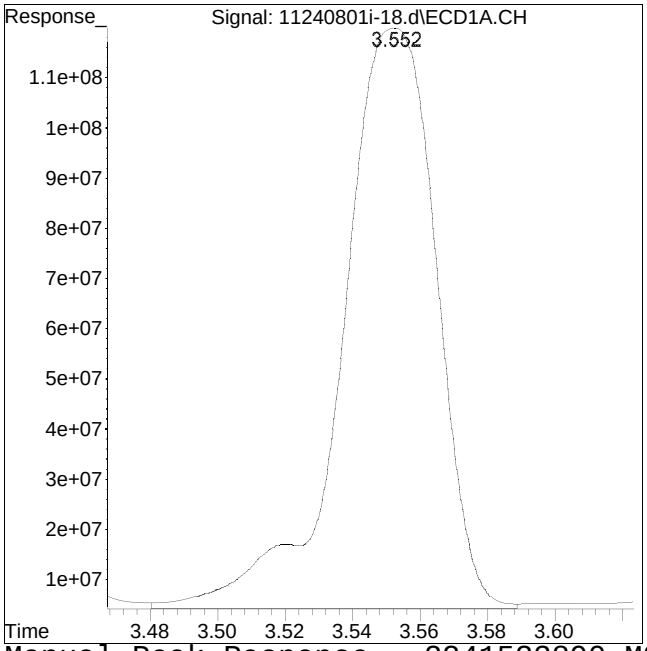
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-18.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:36 Instrument : Pest 11
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/2/2024 11:55 am

Compound #32: chlordane-5





Original Peak Response = 2254432961 Manual Peak Response = 2241533890 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:48
Operator : PEST11:ejl
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:06:31 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.385	225.5E6	184.1E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:48
Operator : PEST11:ejl
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:06:31 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.817	675.3E6	585.8E6	1981.244	2009.090
30) l1	chlordane-3	2.867	3.423	788.9E6	650.4E6	1922.917M3	1939.223
31) l1	chlordane-4	3.425	4.105	2915.2E6	2486.4E6	1964.100	2020.689
32) l1	chlordane-5	3.552	4.275	4487.5E6	1905.6E6	1955.174	2019.653
Sum	chlordane-1			8866.9E6	5628.2E6	NoCal	NoCal D
Average	chlordane-1					1955.859	1997.164
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

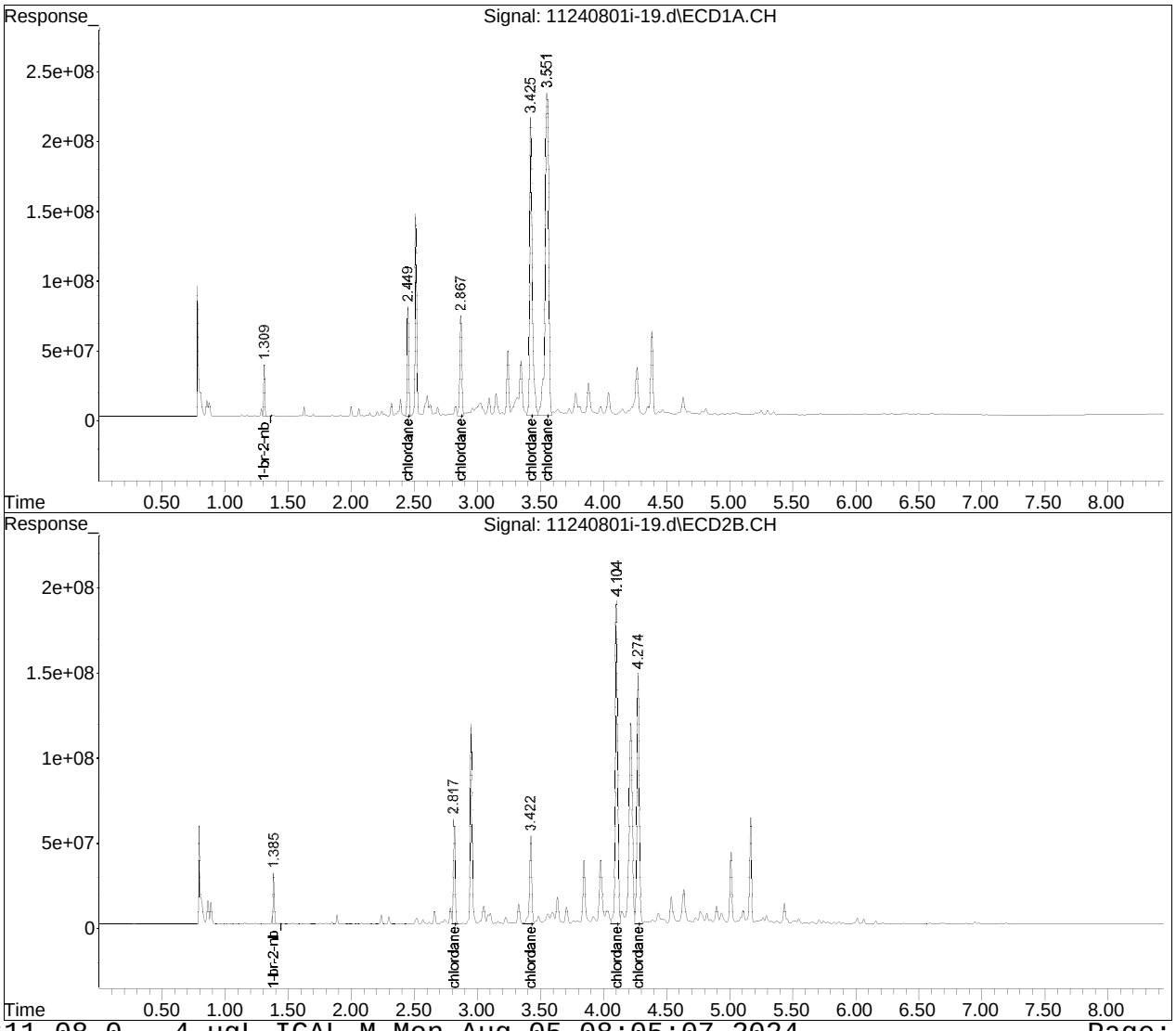
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:48
Operator : PEST11:ejl
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:06:31 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

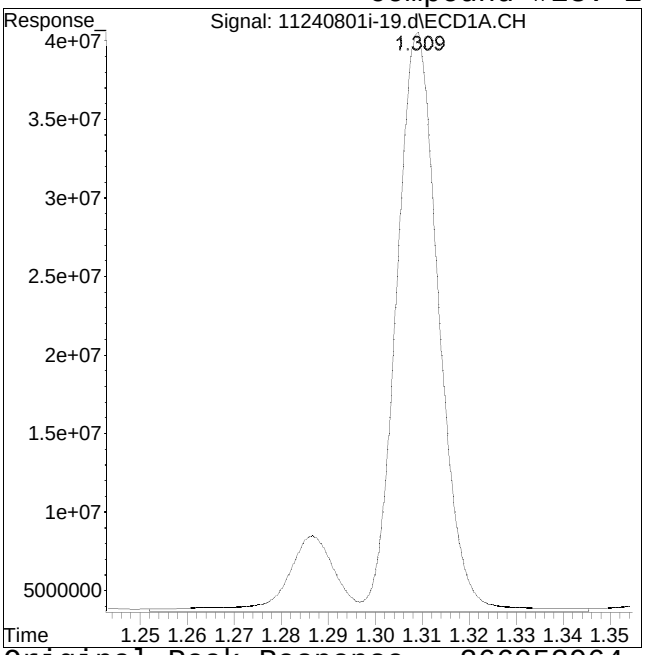


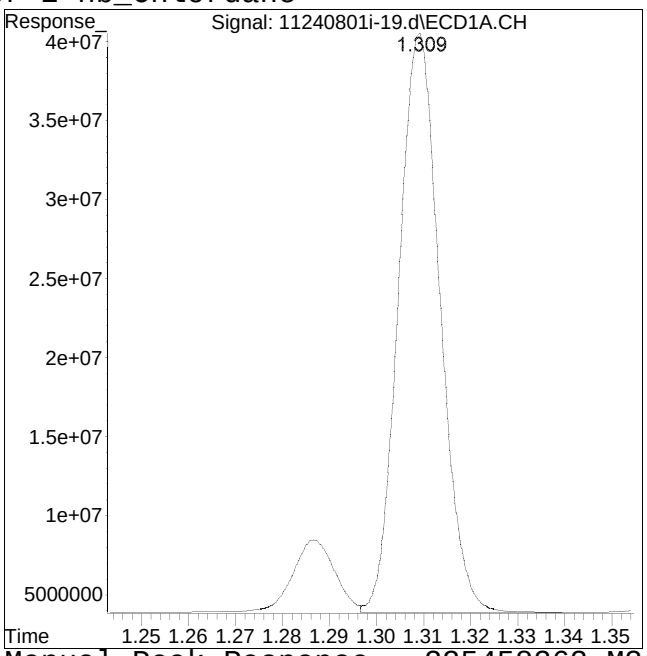
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-19.d
Date Inj'd : 8/1/2024 21:48
Sample : il9chlor,42e,,pp 11689 L2.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:06 pm

Compound #28: 1-br-2-nb_Chlordane





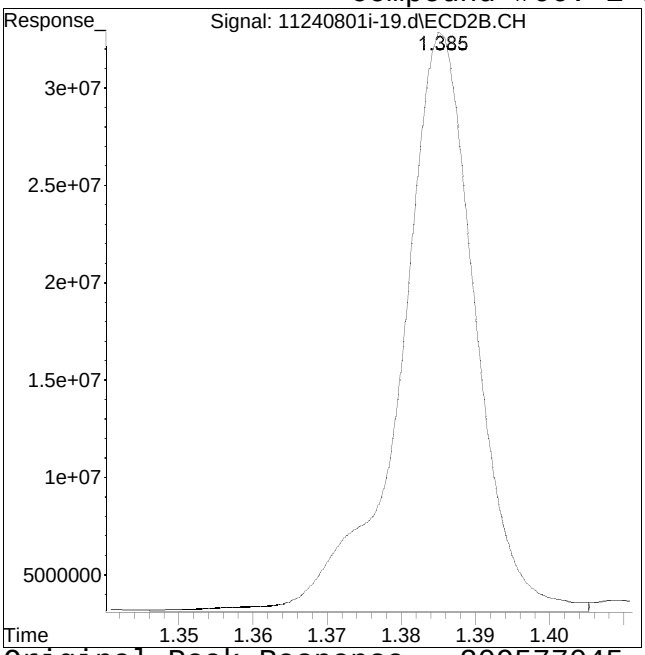
Original Peak Response = 266953964 Manual Peak Response = 225458262 M3

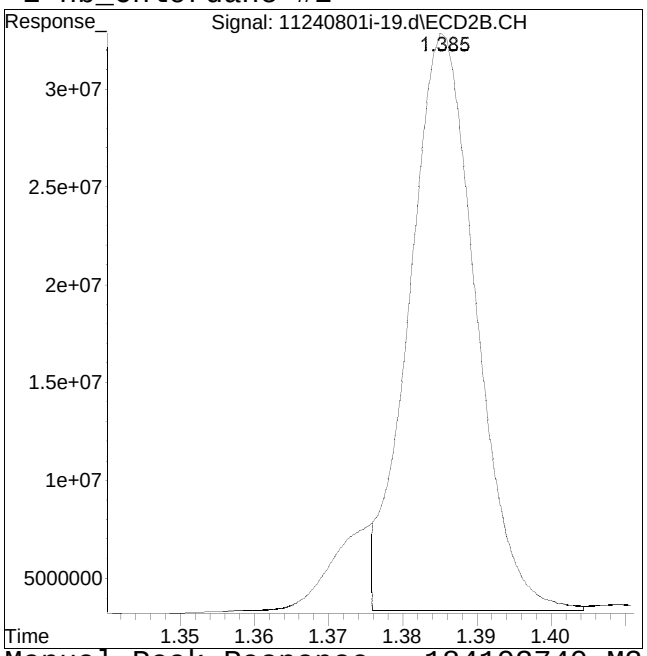
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-19.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:48 Instrument : Pest 11
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 8/2/2024 12:06 pm

Compound #66: 1-br-2-nb_Chlordane #2



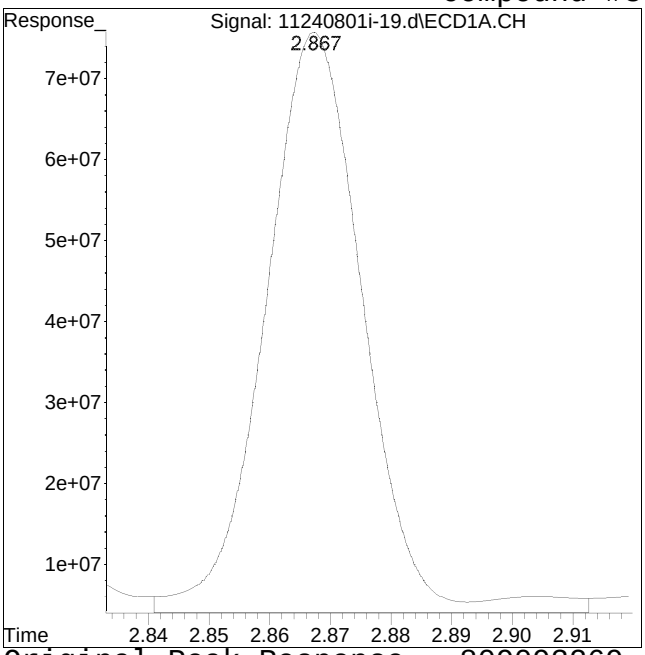


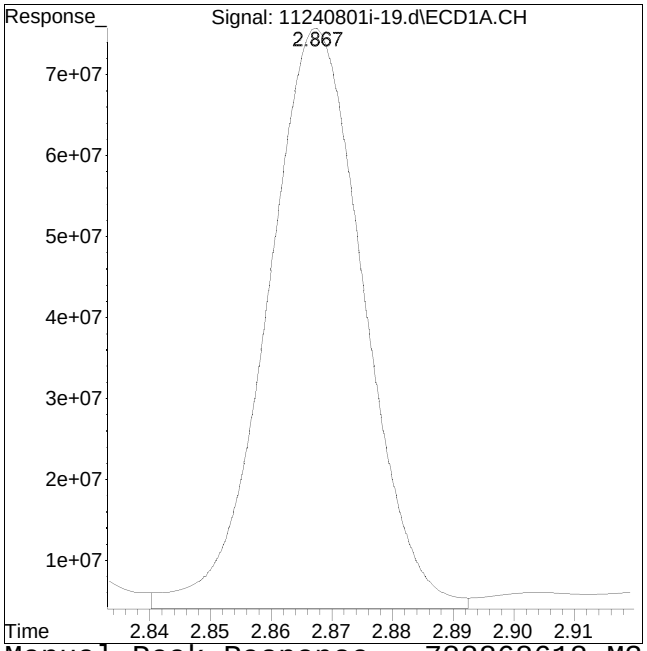
Original Peak Response = 209577045 Manual Peak Response = 184103740 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-19.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:48 Instrument : Pest 11
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 8/2/2024 12:06 pm

Compound #30: chlordane-3





Original Peak Response = 809093269 Manual Peak Response = 788868618 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:00
Operator : PEST11:ejl
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:07:47 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:07:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.386	240.1E6	211.3E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:00
Operator : PEST11:ejl
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:07:47 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:07:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.818	1711.0E6	1485.0E6	4735.136	4428.395
30) l1	chlordane-3	2.868	3.422	1944.4E6	1582.5E6	4537.369	4174.870
31) l1	chlordane-4	3.425	4.105	7244.9E6	6226.2E6	4624.523	4386.798
32) l1	chlordane-5	3.553	4.275	11069.4E6	4784.6E6	4579.501M3	4397.515
Sum	chlordane-1			21969.7E6	14078.2E6	NoCal	NoCal D
Average	chlordane-1					4619.132	4346.894
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

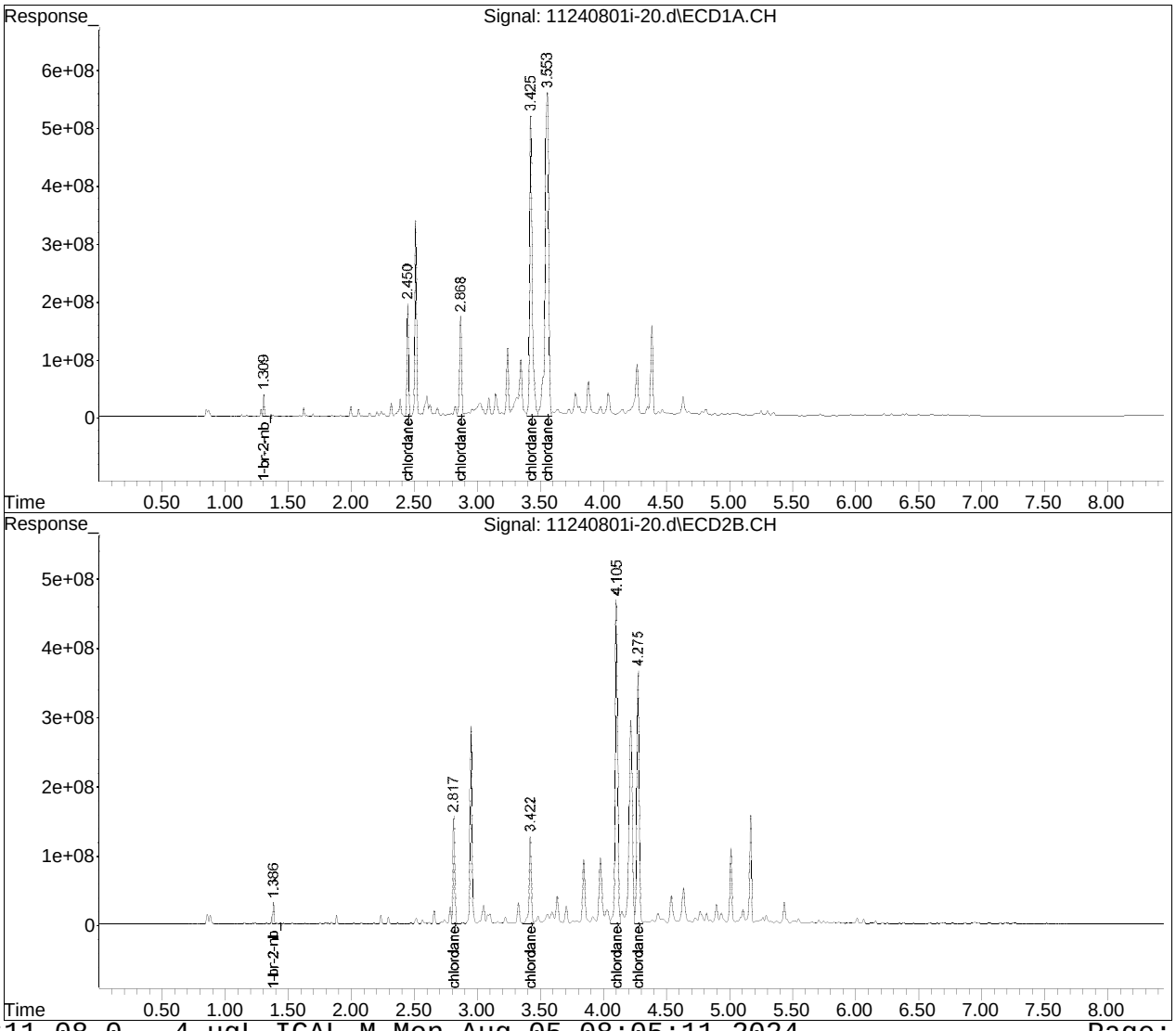
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:00
Operator : PEST11:ejl
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:07:47 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:07:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

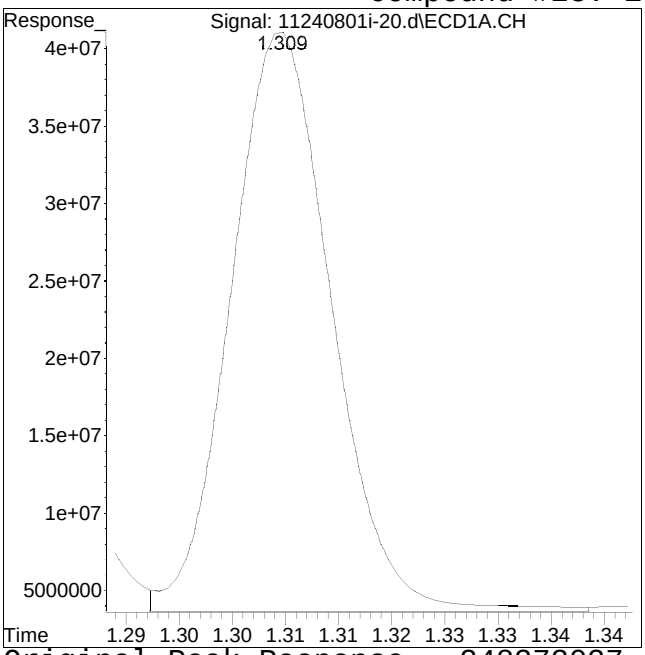


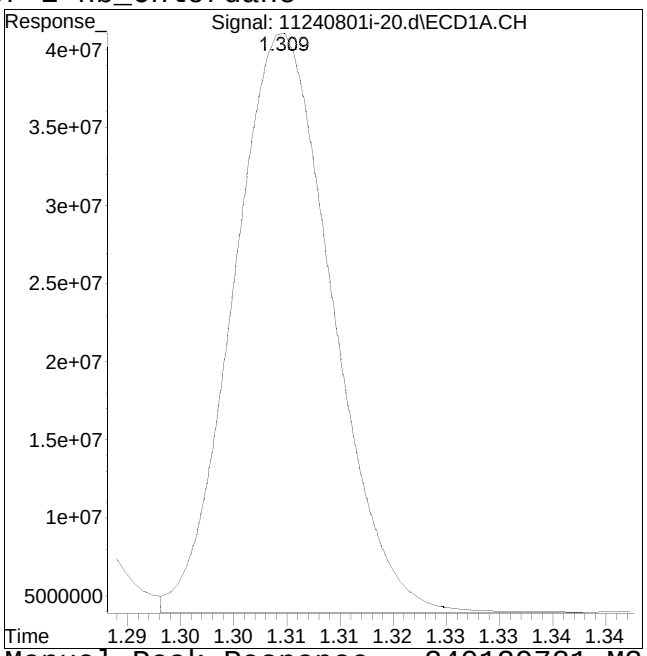
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-20.d
Date Inj'd : 8/1/2024 22:00
Sample : il10chlor,42e,,pp 11688 L5

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:07 pm

Compound #28: 1-br-2-nb_Chlordane





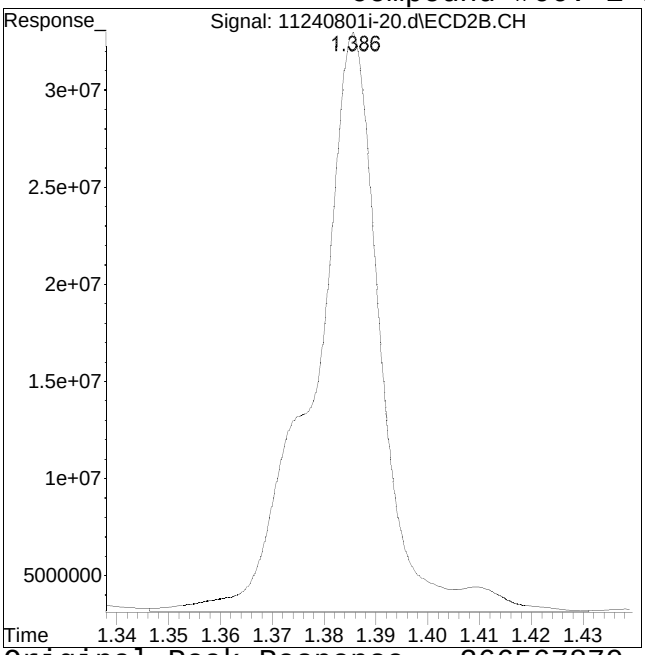
Original Peak Response = 248373027 Manual Peak Response = 240129721 M3

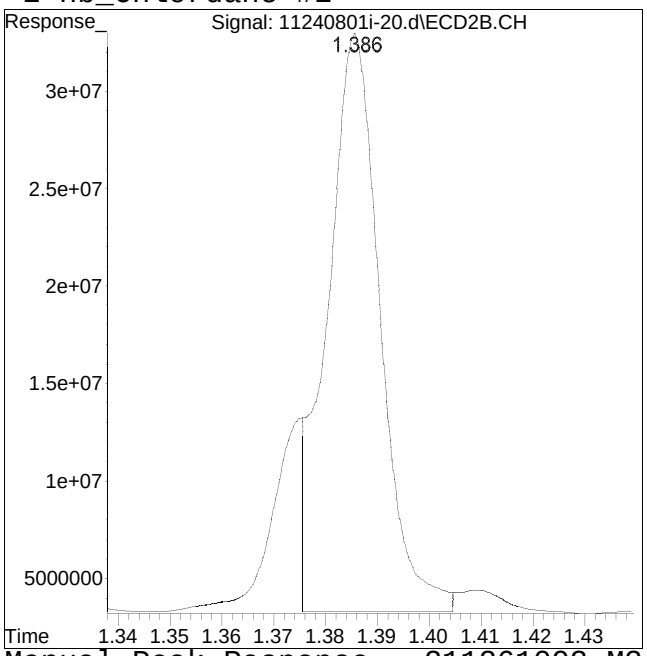
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-20.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:00 Instrument : Pest 11
Sample : il10chlor,42e,,pp 11688 L5Quant Date : 8/2/2024 12:07 pm

Compound #66: 1-br-2-nb_Chlordane #2



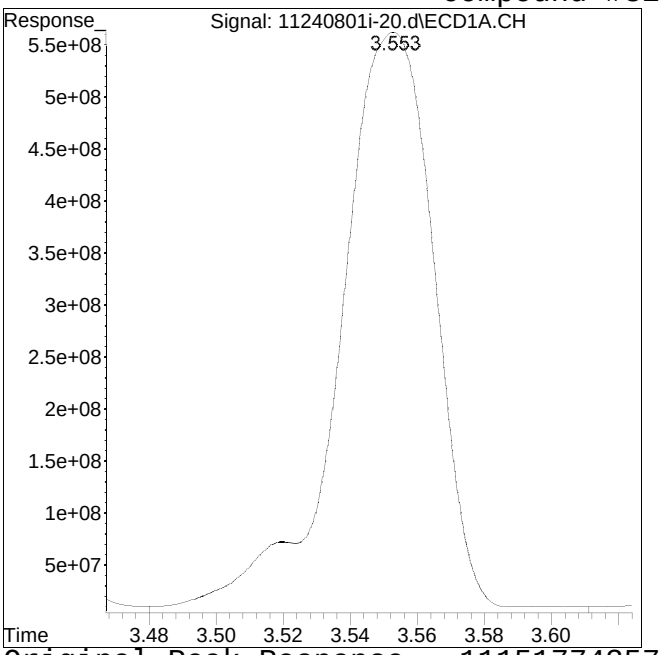


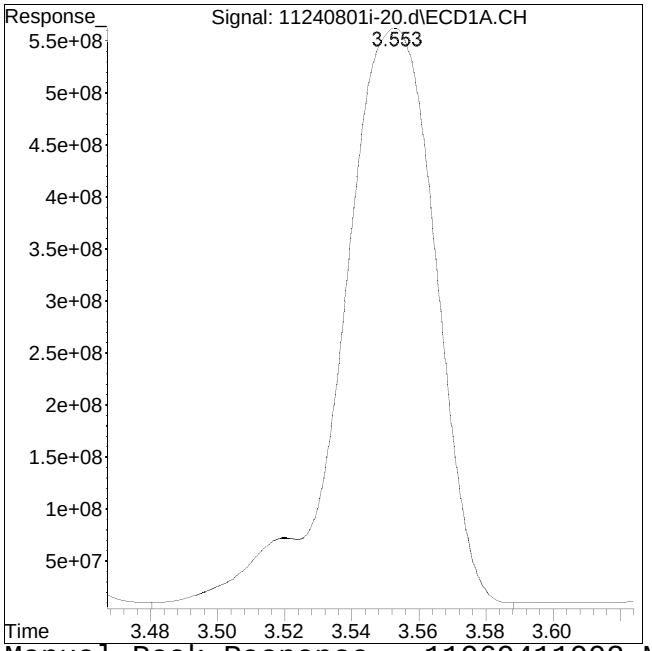
Original Peak Response = 266567870 Manual Peak Response = 211261092 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-20.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:00 Instrument : Pest 11
Sample : il10chlor,42e,,pp 11688 L5Quant Date : 8/2/2024 12:07 pm

Compound #32: chlordane-5





Original Peak Response = 11151774357 Manual Peak Response = 11069411003 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	97	0.00
29	l1	chlordane-1		*1000.000	910.442	9.0	86	0.00
30	l1	chlordane-3		*1000.000	925.102	7.5	84	0.00
31	l1	chlordane-4		*1000.000	883.809	11.6	82	0.00
32	l1	chlordane-5		*1000.000	991.186	0.9	91	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	96	0.00
29	l1	chlordane-1		*1000.000	944.301	5.6	85	0.00
30	l1	chlordane-3		*1000.000	973.540	2.6	84	0.00
31	l1	chlordane-4		*1000.000	893.716	10.6	80	0.00
32	l1	chlordane-5		*1000.000	877.017	12.3	79	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.31#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	0.000	100.0#	0#	-1.65#
3	t	Hexachlorobenzene		1.406	0.000	100.0#	0#	-1.87#
4	t	alpha-BHC		1.461	0.000	100.0#	0#	-1.96#
5	t	gamma-BHC (lindane)		1.395	0.000	100.0#	0#	-2.17#
6	t	beta-BHC		0.628	0.000	100.0#	0#	-2.22#
7	t	delta-BHC		1.374	0.000	100.0#	0#	-2.35#
8	t	Heptachlor		1.321	0.000	100.0#	0#	-2.51#
9	t	Aldrin		1.233	0.000	100.0#	0#	-2.76#
10	t	Alachlor		0.230	0.000	100.0#	0#	-2.88#
11	t	Chlorpyrifos		0.590	0.000	100.0#	0#	-2.97#
12	t	Heptachlor Epoxide		1.185	0.000	100.0#	0#	-3.30#
13	t	gamma-Chlordane (trans)		1.077	0.000	100.0#	0#	-3.42#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.216	0.000	100.0#	0#	-3.56#
15	t	4,4'-DDE		1.192	0.000	100.0#	0#	-3.66#
16	t	Endosulfan I		1.116	0.000	100.0#	0#	-3.69#
17	t	Dieldrin		1.135	0.000	100.0#	0#	-3.96#
18	t	Endrin		1.153	0.000	100.0#	0#	-4.21#
19	t	4,4'-DDD		0.927	0.000	100.0#	0#	-4.32#
20	t	Endosulfan II		1.052	0.000	100.0#	0#	-4.45#
21	t	4,4'-DDT		1.058	0.000	100.0#	0#	-4.62#
22	t	Endrin Aldehyde		0.886	0.000	100.0#	0#	-4.87#
23	t	Methoxychlor		0.592	0.000	100.0#	0#	-5.10#
24	t	Mirex		0.938	0.000	100.0#	0#	-5.16#
25	t	Endosulfan Sulfate		1.010	0.000	100.0#	0#	-5.26#
26	t	Endrin Ketone		1.183	0.000	100.0#	0#	-5.49#
27	s	Decachlorobiphenyl		1.163	0.000	100.0#	0#	-6.29#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.31#
34	l2	toxaphene-2	*	0.050	0.000	100.0#	0#	-4.44#
35	l2	toxaphene-3	*	0.039	0.000	100.0#	0#	-4.57#
36	l2	toxaphene-4	*	0.042	0.000	100.0#	0#	-4.79#
37	l2	toxaphene-5	*	0.043	0.000	100.0#	0#	-5.17#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.39#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-1.86#
3	t	Hexachlorobenzene		1.239	0.000	100.0#	0#	-2.18#
4	t	alpha-BHC		1.620	0.000	100.0#	0#	-2.27#
5	t	gamma-BHC (lindane)		1.539	0.000	100.0#	0#	-2.56#
6	t	beta-BHC	*	50.000	0.000	100.0#	0	-2.62#
7	t	delta-BHC		1.523	0.000	100.0#	0#	-2.89#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.598	0.000	100.0#	0#	-2.95#
9	t	Aldrin		1.435	0.000	100.0#	0#	-3.27#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.15#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.51#
12	t	Heptachlor Epoxide		1.425	0.000	100.0#	0#	-3.88#
13	t	gamma-Chlordane (trans)		1.312	0.000	100.0#	0#	-4.10#
14	t	alpha-Chlordane (cis)		1.446	0.000	100.0#	0#	-4.27#
15	t	4,4'-DDE		1.343	0.000	100.0#	0#	-4.47#
16	t	Endosulfan I		1.332	0.000	100.0#	0#	-4.34#
17	t	Dieldrin		1.327	0.000	100.0#	0#	-4.63#
18	t	Endrin		1.347	0.000	100.0#	0#	-4.93#
19	t	4,4'-DDD		1.084	0.000	100.0#	0#	-5.05#
20	t	Endosulfan II		1.214	0.000	100.0#	0#	-5.13#
21	t	4,4'-DDT		1.250	0.000	100.0#	0#	-5.33#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.42#
23	t	Methoxychlor		0.704	0.000	100.0#	0#	-5.89#
24	t	Mirex	*	50.000	0.000	100.0#	0	-6.02#
25	t	Endosulfan Sulfate		1.199	0.000	100.0#	0#	-5.65#
26	t	Endrin Ketone		1.261	0.000	100.0#	0#	-6.06#
27	s	Decachlorobiphenyl		1.060	0.000	100.0#	0#	-6.92#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.39#
34	l2	toxaphene-2	*	0.025	0.000	100.0#	0#	-5.08#
35	l2	toxaphene-3	*	0.037	0.000	100.0#	0#	-5.11#
36	l2	toxaphene-4	*	0.044	0.000	100.0#	0#	-5.43#
37	l2	toxaphene-5	*	0.042	0.000	100.0#	0#	-5.84#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.385	215.4E6	177.1E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.817	285.6E6	248.8E6	910.442	944.301
30) l1	chlordane-3	2.868	3.422	337.4E6	282.0E6	925.102	973.540
31) l1	chlordane-4	3.426	4.105	1185.4E6	988.3E6	883.809	893.716
32) l1	chlordane-5	3.550	4.275	2040.5E6	745.1E6	991.186	877.017
Sum	chlordane-1			3848.9E6	2264.2E6	NoCal	NoCal D
Average	chlordane-1					927.635	922.144
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

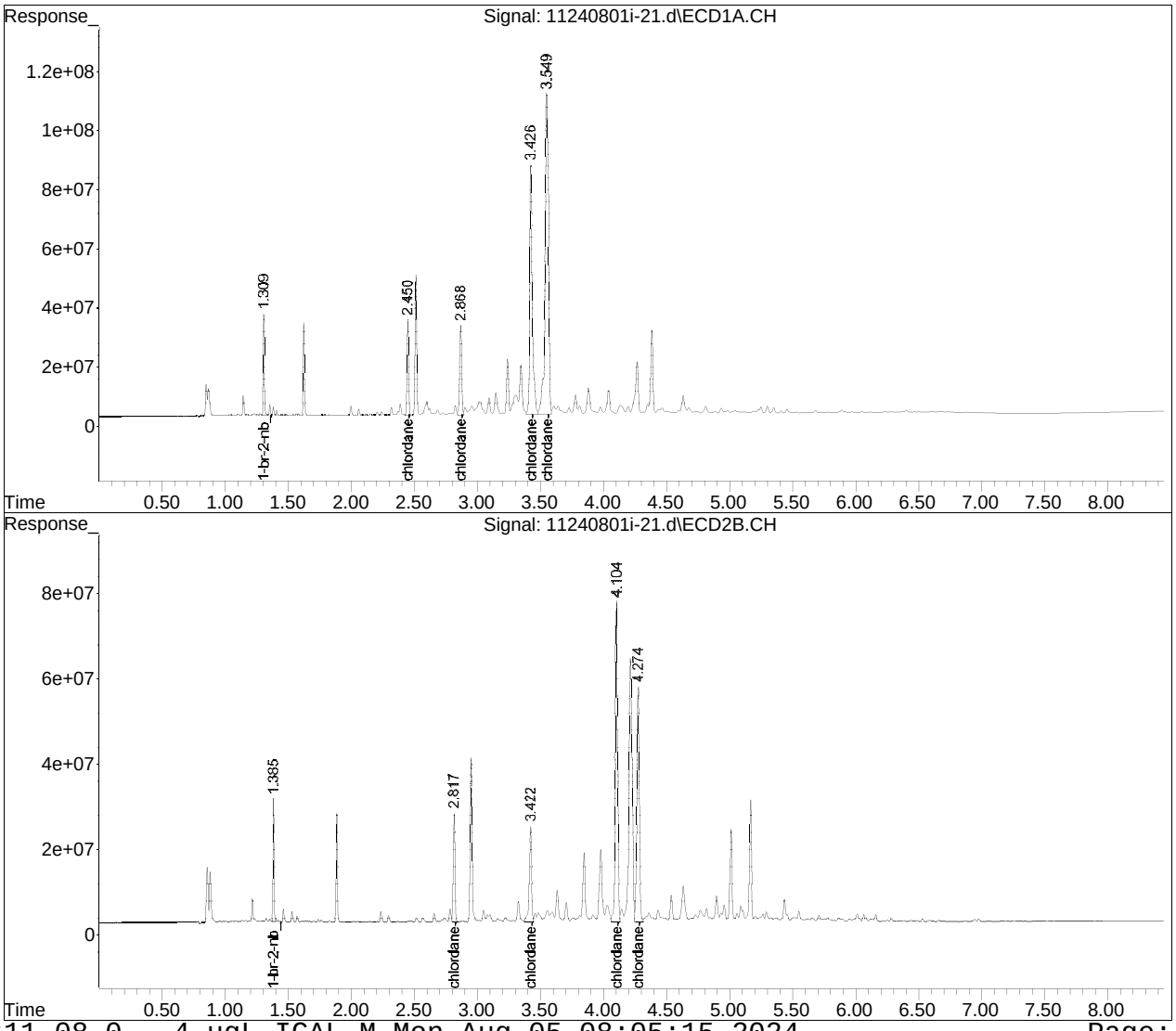
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

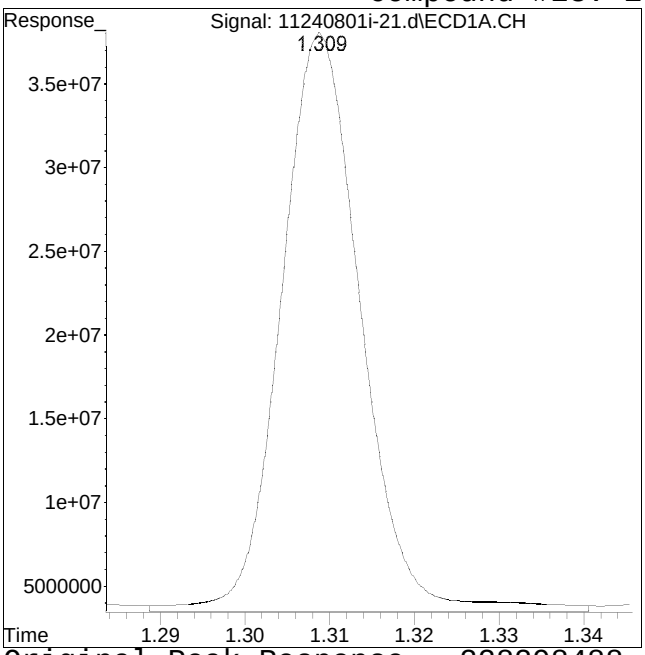
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

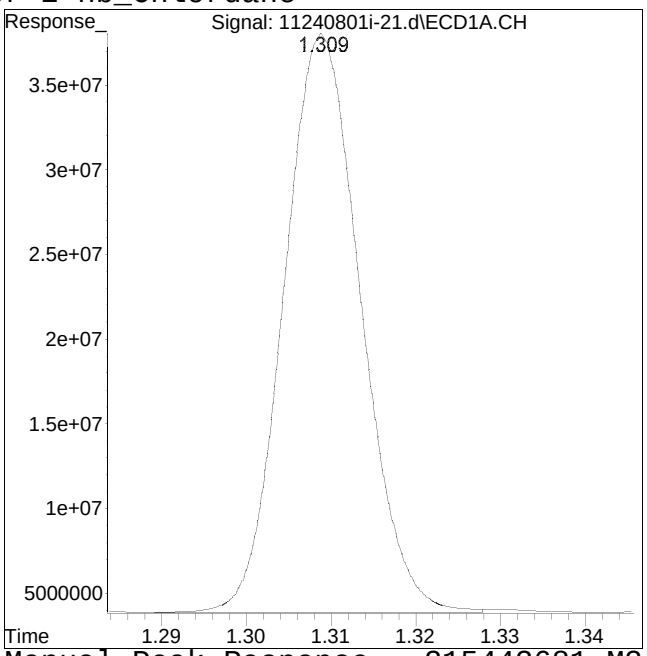


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-21.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:12 Instrument : Pest 11
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 8/2/2024 12:16 pm

Compound #28: 1-br-2-nb_Chlordane



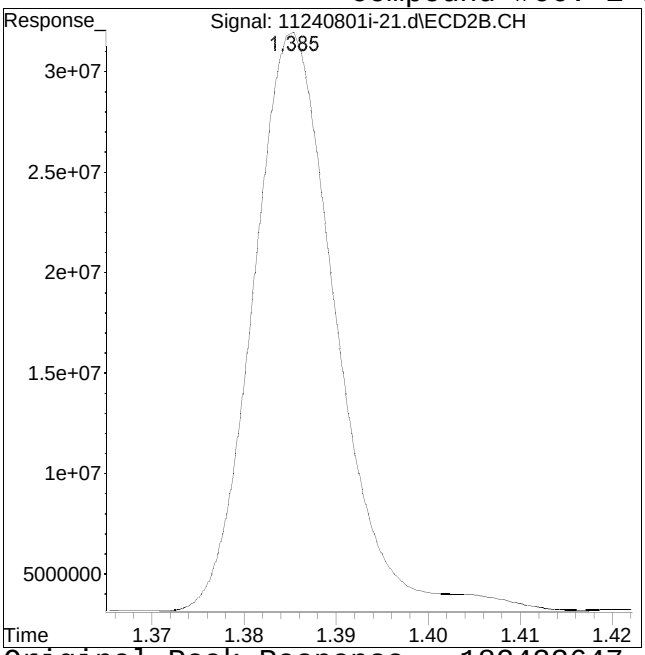


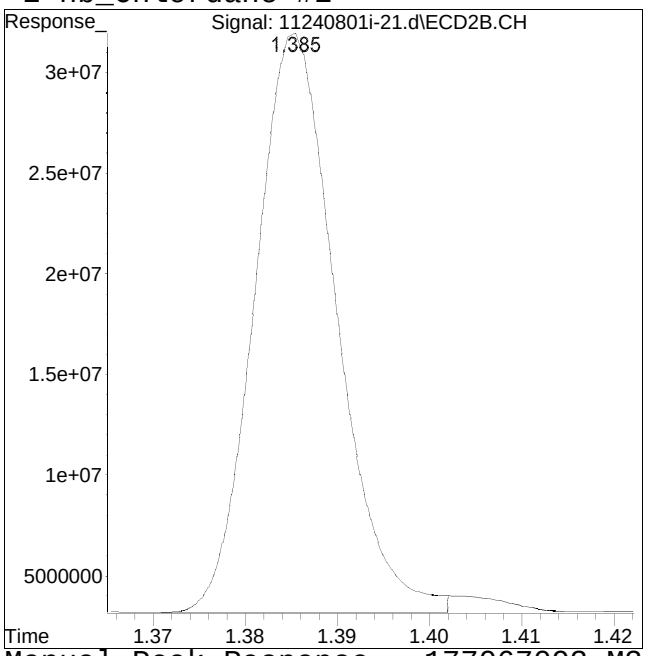
Original Peak Response = 228298488 Manual Peak Response = 215443681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-21.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:12 Instrument : Pest 11
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 8/2/2024 12:16 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 182433647 Manual Peak Response = 177067093 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:24
Operator : PEST11:ejl
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:25:16 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:25:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.385	207.9E6	171.7E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9) t	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10) t	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12) t	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13) t	gamma-Chlord	0.000	0.000	0	0	N.D.	N.D.
14) t	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:24
Operator : PEST11:ejl
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:25:16 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:25:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D.	N.D.
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.443	5.084	6298815	3783276	14.276	22.443
35) l2	toxaphene-3	4.566	5.112	5311161	5766534	15.580	23.257
36) l2	toxaphene-4	4.792	5.429	6754862	6780894	19.276M3	23.080
37) l2	toxaphene-5	5.168	5.836	8888706	6922230	26.745M4	25.343
Sum	toxaphene-2			27253545	23252934	75.878	94.123
Average	toxaphene-2					18.970	23.531

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			27253545	23252934	75.878	94.123
Average	toxaphene-2					18.970	23.531

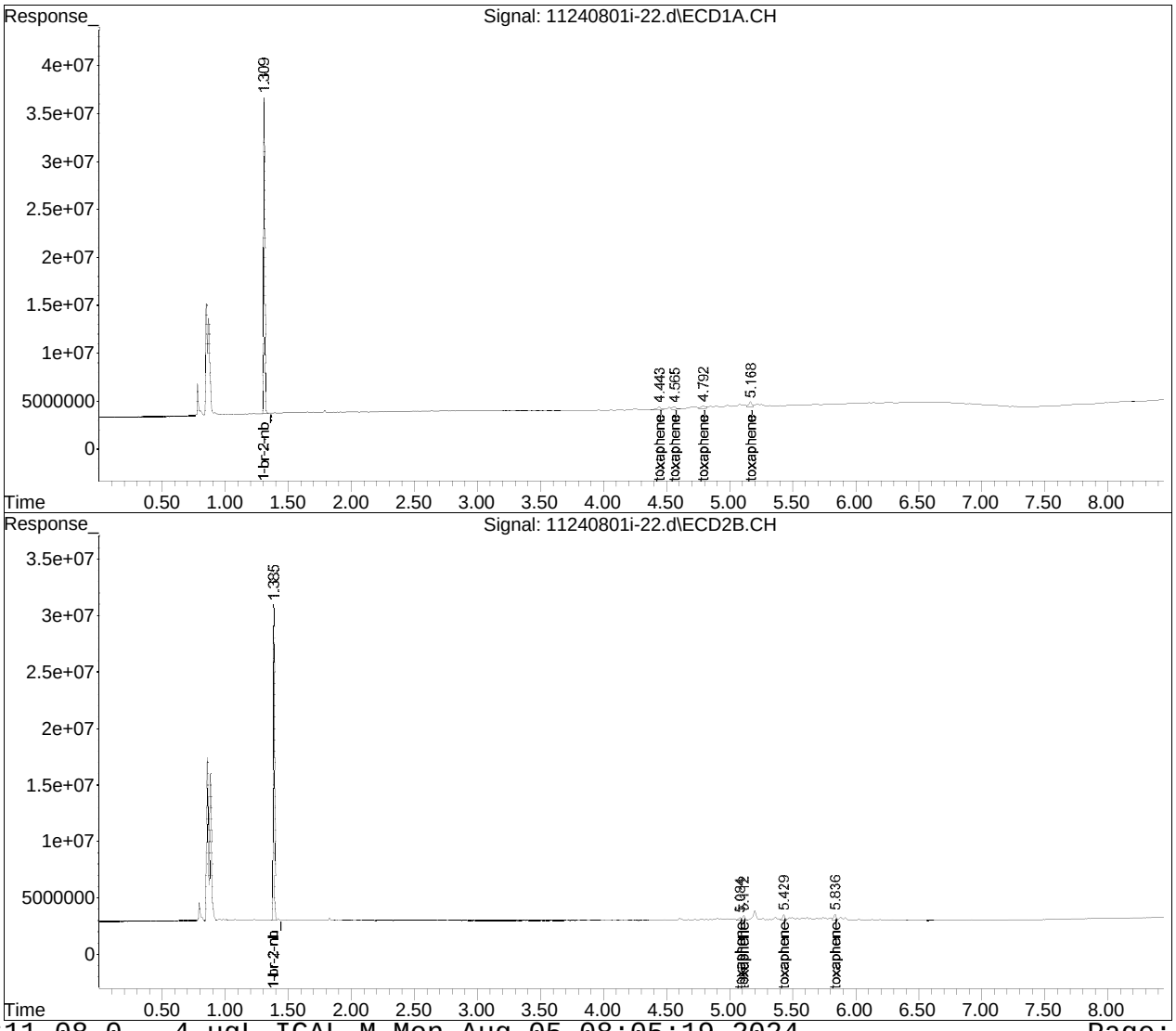
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:24
Operator : PEST11:ejl
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:25:16 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:25:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

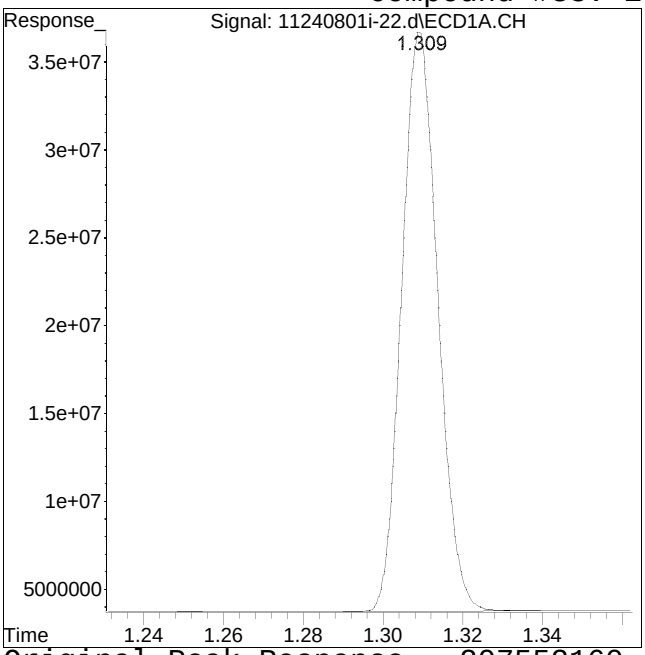


Manual Integration Report

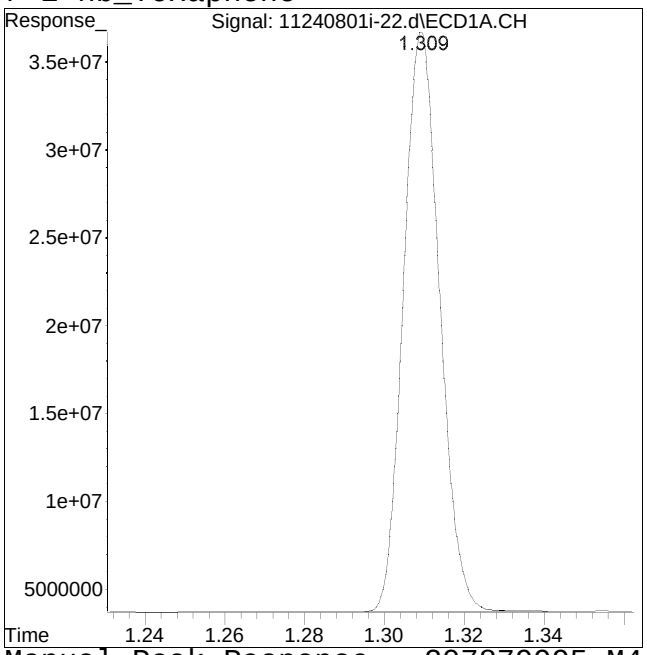
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-22.d
Date Inj'd : 8/1/2024 22:24
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:25 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 207552160



Manual Peak Response = 207879995 M4

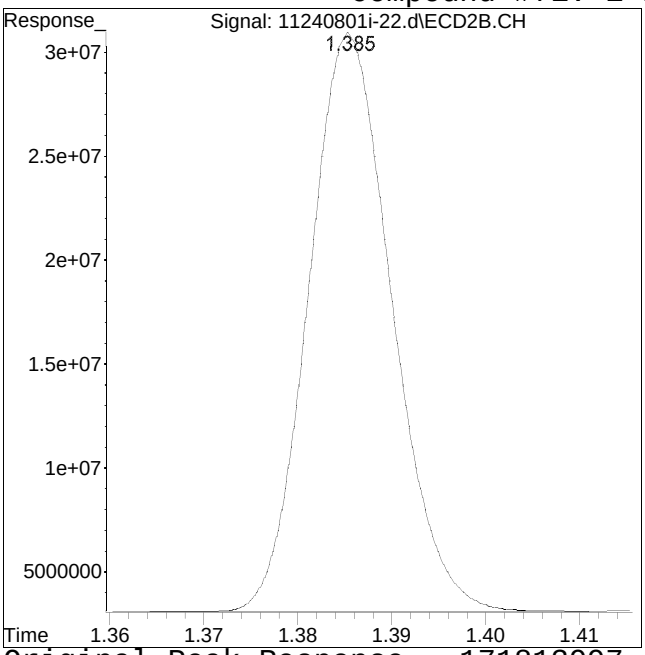
M4 = Poor automated baseline construction.

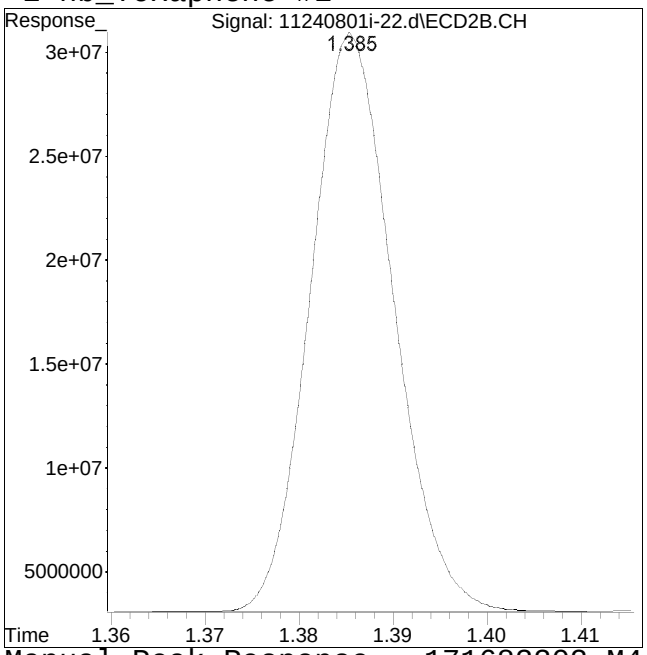
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-22.d
Date Inj'd : 8/1/2024 22:24
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:25 pm

Compound #71: 1-br-2-nb_Toxaphene #2



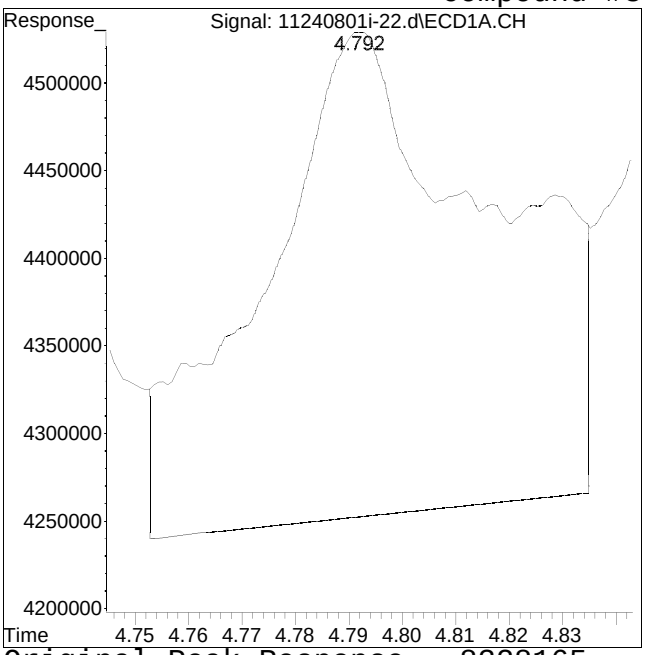


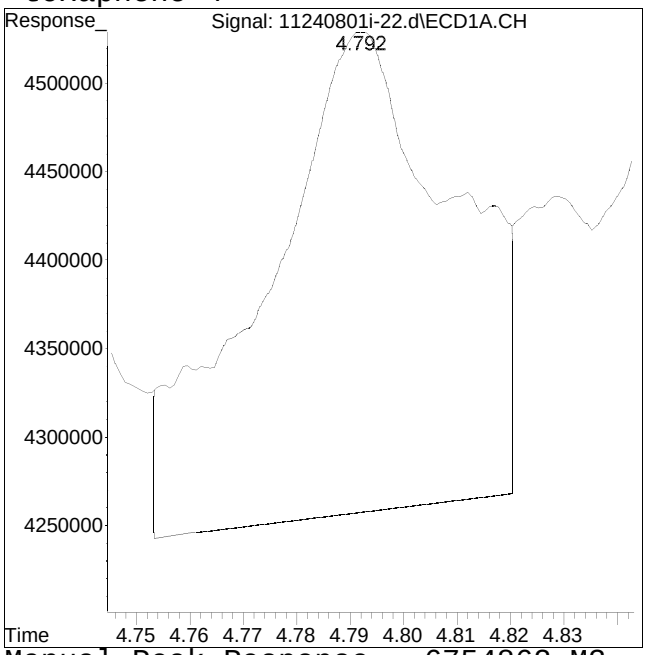
Original Peak Response = 171813997 Manual Peak Response = 171683302 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-22.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:24 Instrument : Pest 11
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 8/2/2024 12:25 pm

Compound #36: toxaphene-4





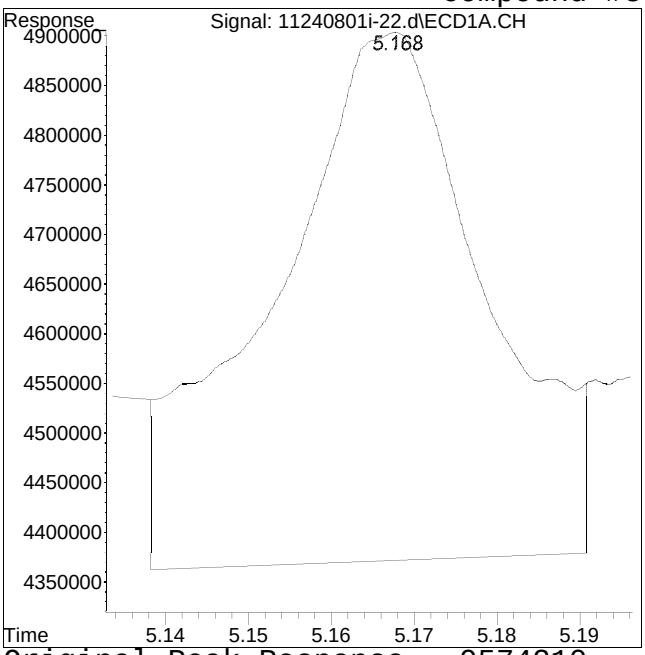
Original Peak Response = 8328165 Manual Peak Response = 6754862 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

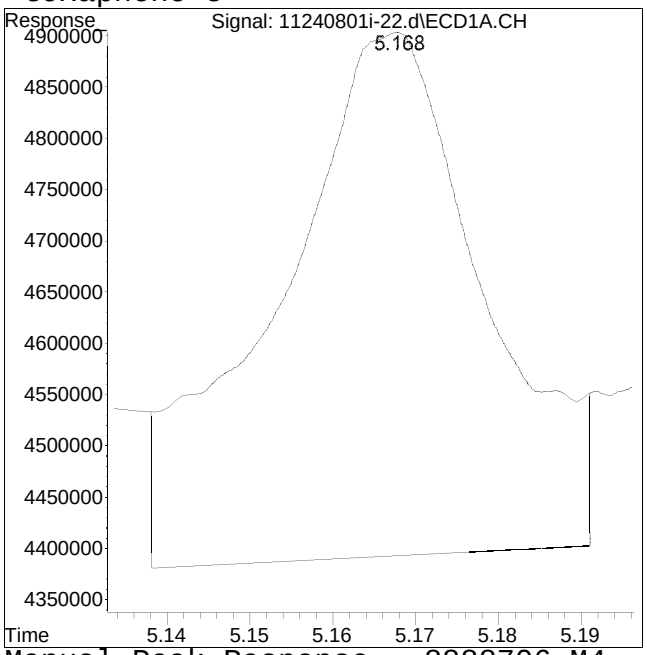
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-22.d
Date Inj'd : 8/1/2024 22:24
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:25 pm

Compound #37: toxaphene-5



Original Peak Response = 9574210



Manual Peak Response = 8888706 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:36
Operator : PEST11:ejl
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:57 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:23:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.385	214.5E6	175.4E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:36
Operator : PEST11:ejl
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:57 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:23:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.443	5.084	39578469	19576926	83.312	119.105
35) l2	toxaphene-3	4.566	5.112	30033204	28384507	81.420	116.744
36) l2	toxaphene-4	4.791	5.429	33900580	32843972	91.845M3	112.974
37) l2	toxaphene-5	5.168	5.836	35593892	31255677	105.126	116.675
Sum	toxaphene-2			139.1E6	112.1E6	361.703	465.498
Average	toxaphene-2					90.426	116.374

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			139.1E6	112.1E6	361.703	465.498
Average	toxaphene-2					90.426	116.374

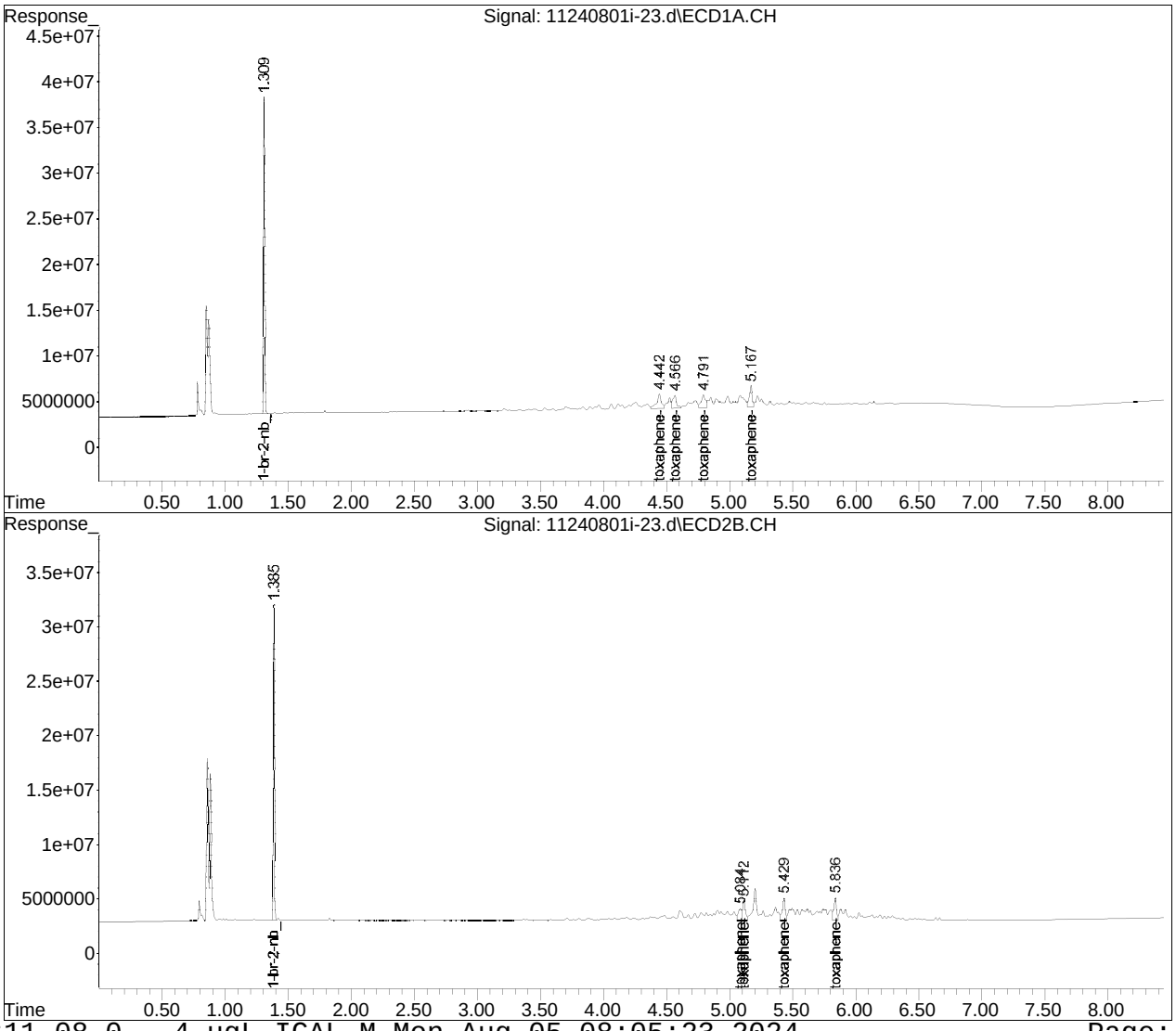
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:36
Operator : PEST11:ejl
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:57 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:23:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

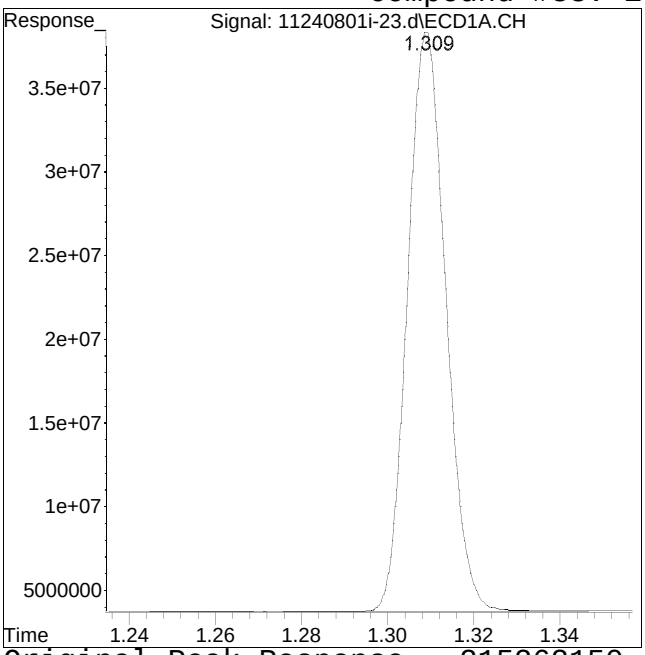
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

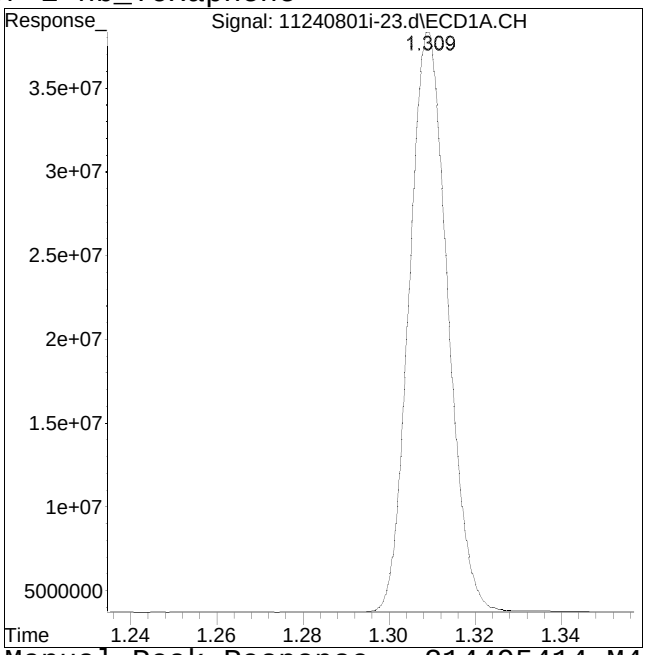


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-23.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:36 Instrument : Pest 11
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 8/2/2024 12:23 pm

Compound #33: 1-br-2-nb_Toxaphene



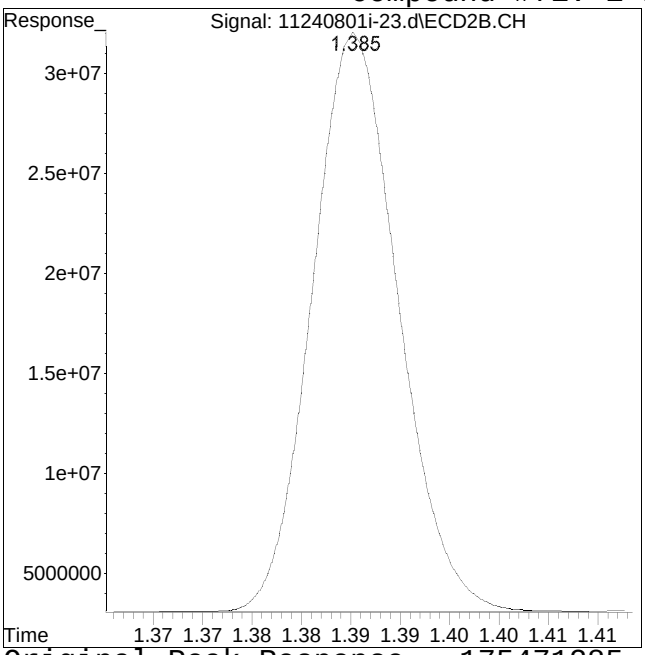


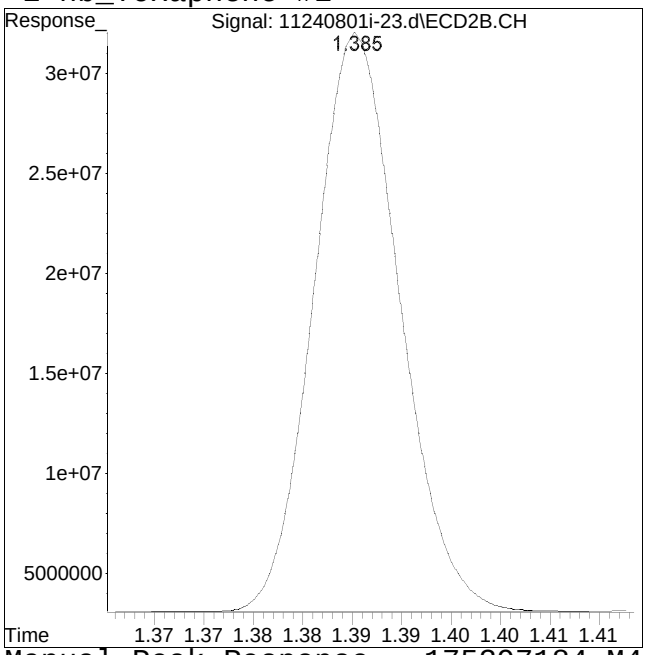
Original Peak Response = 215262150 Manual Peak Response = 214495414 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-23.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:36 Instrument : Pest 11
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 8/2/2024 12:23 pm

Compound #71: 1-br-2-nb_Toxaphene #2



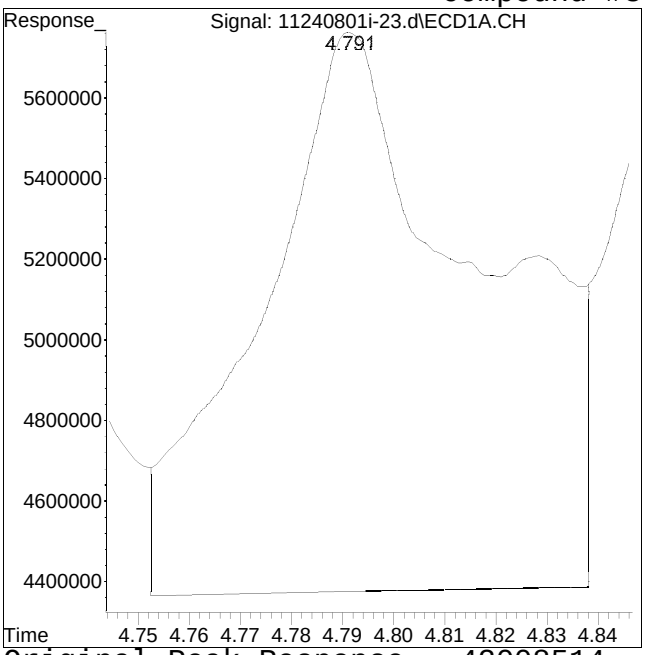


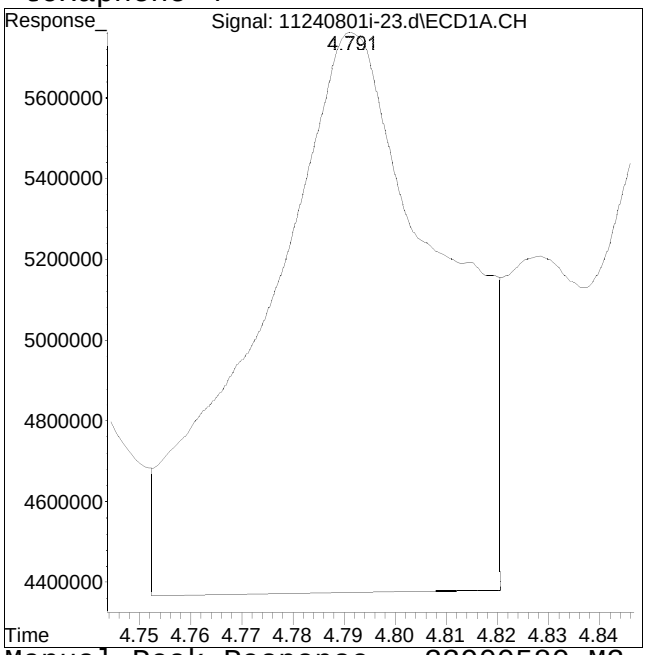
Original Peak Response = 175471285 Manual Peak Response = 175397184 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-23.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:36 Instrument : Pest 11
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 8/2/2024 12:23 pm

Compound #36: toxaphene-4





Original Peak Response = 42008514 Manual Peak Response = 33900580 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:47
Operator : PEST11:ejl
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:05 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:22:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.385	217.4E6	172.7E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:47
Operator : PEST11:ejl
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:05 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:22:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.442	5.084	475.5E6	162.1E6	981.231	1002.404
35) l2	toxaphene-3	4.566	5.112	362.8E6	238.4E6	956.095	993.623
36) l2	toxaphene-4	4.792	5.429	362.1E6	283.2E6	952.261	983.638
37) l2	toxaphene-5	5.167	5.836	340.4E6	261.1E6	987.487	984.711
Sum	toxaphene-2			1540.8E6	944.9E6	3877.074	3964.377
Average	toxaphene-2					969.268	991.094

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			1540.8E6	944.9E6	3877.074	3964.377
Average	toxaphene-2					969.268	991.094

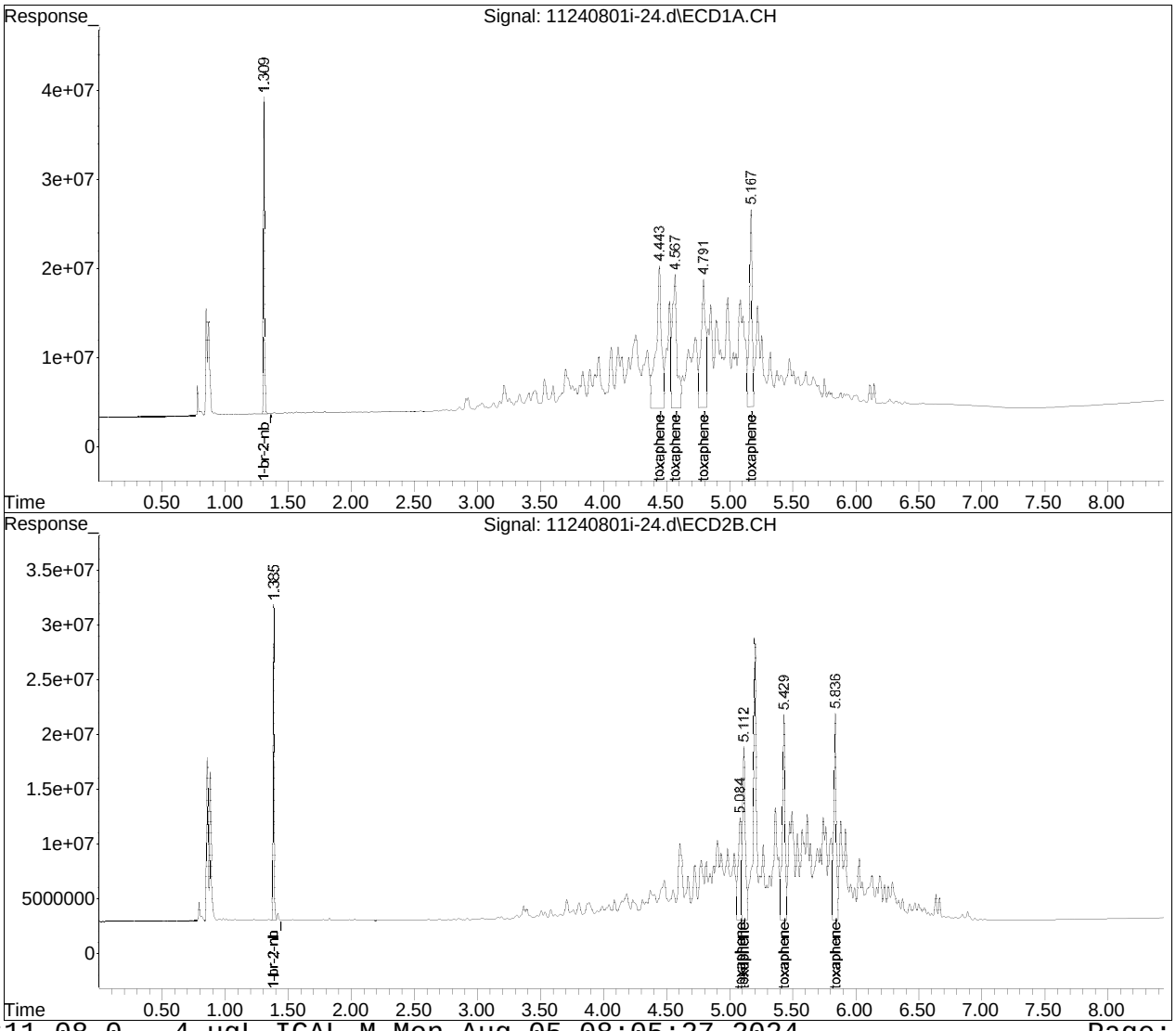
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:47
Operator : PEST11:ejl
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:05 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:22:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

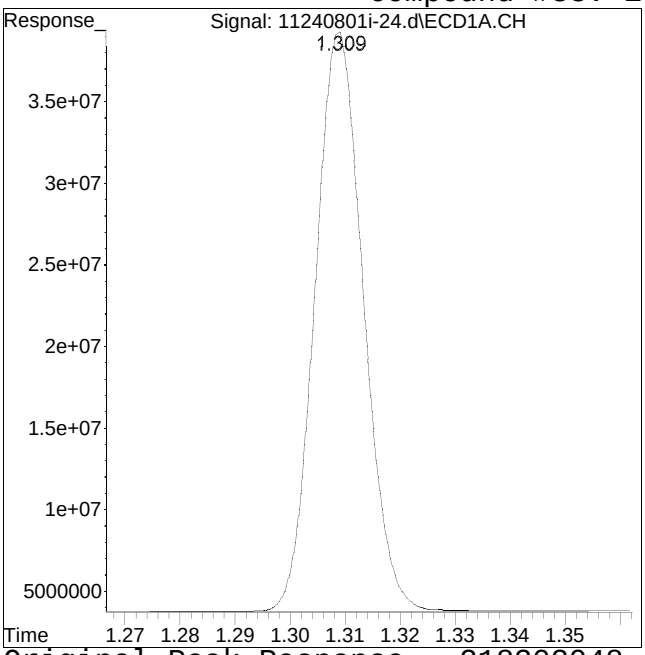
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



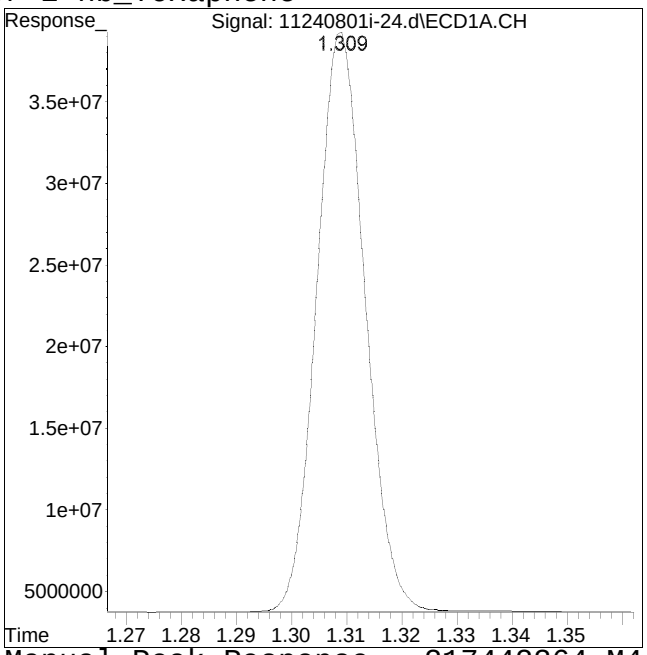
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-24.d
Date Inj'd : 8/1/2024 22:47
Sample : il7tox,42e,,pp 11701 L1.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:23 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 218302948



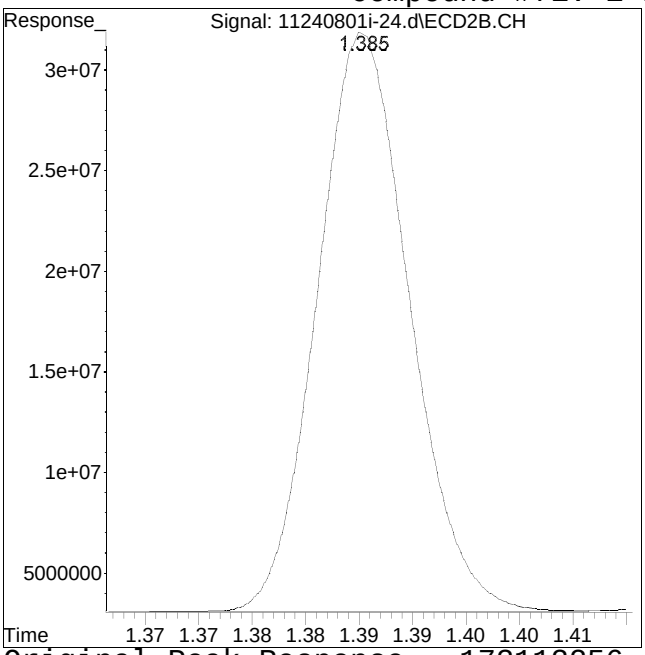
Manual Peak Response = 217442364 M4

M4 = Poor automated baseline construction.

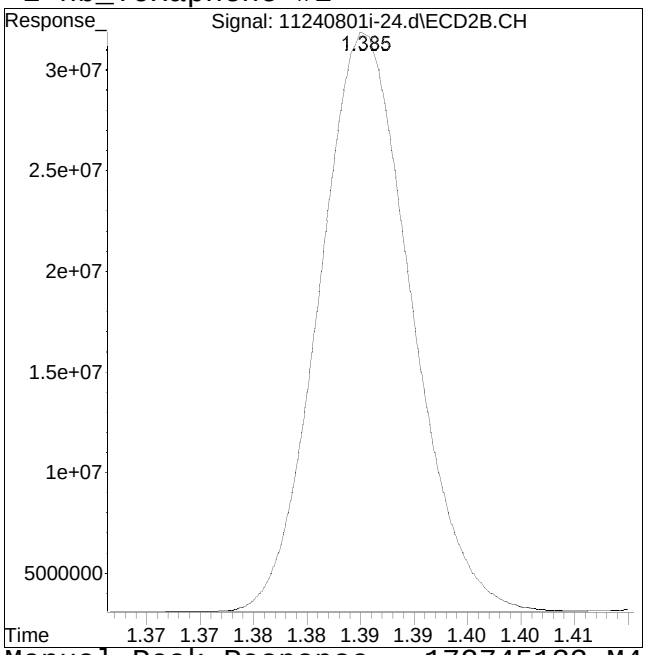
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-24.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:47 Instrument : Pest 11
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 8/2/2024 12:23 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 173112256



Manual Peak Response = 172745133 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:59
Operator : PEST11:ejl
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:20:35 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:20:26 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.385	226.5E6	177.8E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:59
Operator : PEST11:ejl
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:20:35 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:20:26 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.443	5.084	1003.1E6	329.8E6	NoCal	NoCal
35) l2	toxaphene-3	4.567	5.112	782.8E6	491.2E6	NoCal M3	NoCal
36) l2	toxaphene-4	4.792	5.429	774.4E6	585.9E6	NoCal	NoCal
37) l2	toxaphene-5	5.168	5.836	711.9E6	540.3E6	NoCal	NoCal
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

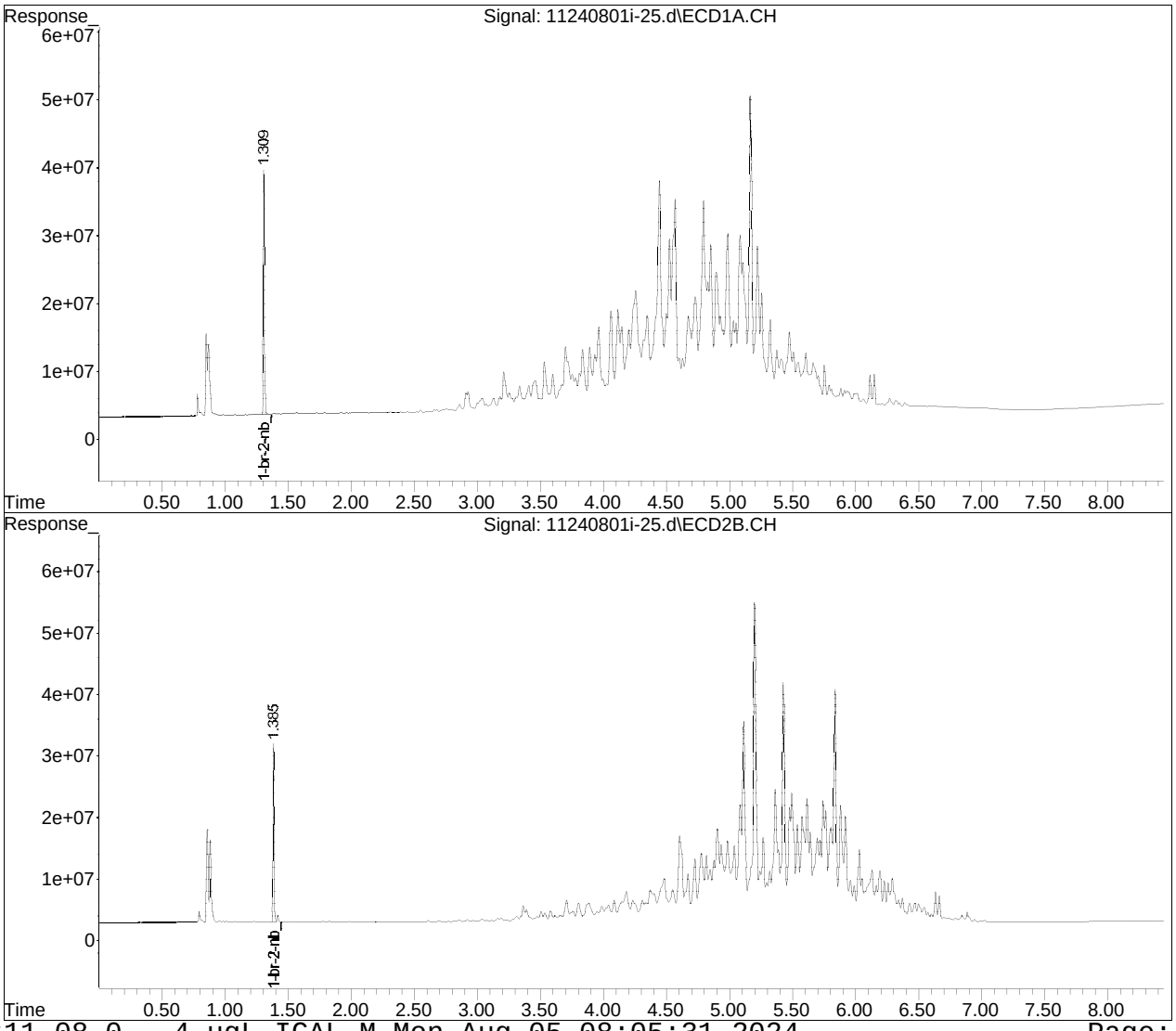
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:59
Operator : PEST11:ejl
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:20:35 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:20:26 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

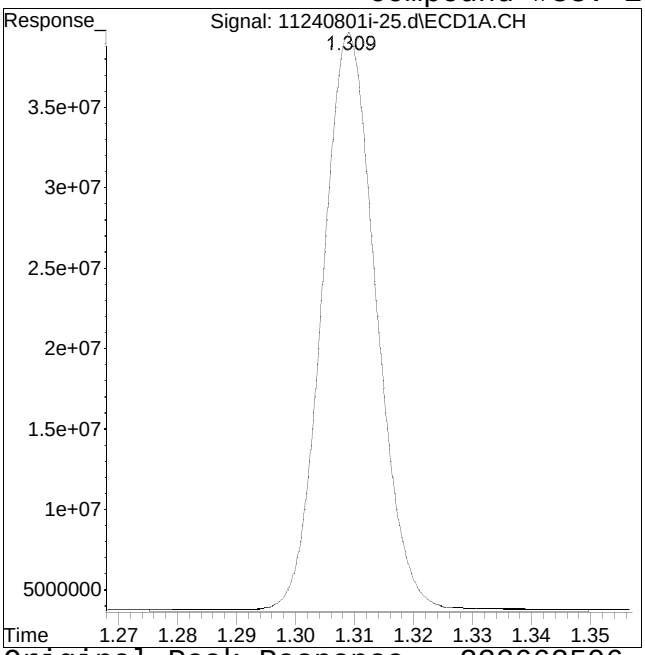
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



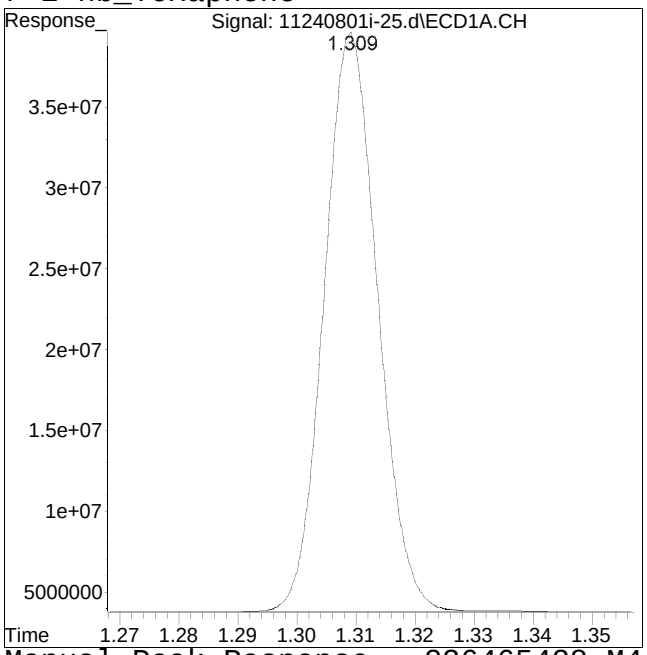
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-25.d
Date Inj'd : 8/1/2024 22:59
Sample : il8tox,42e,,pp 11700 L2.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:20 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 233662506



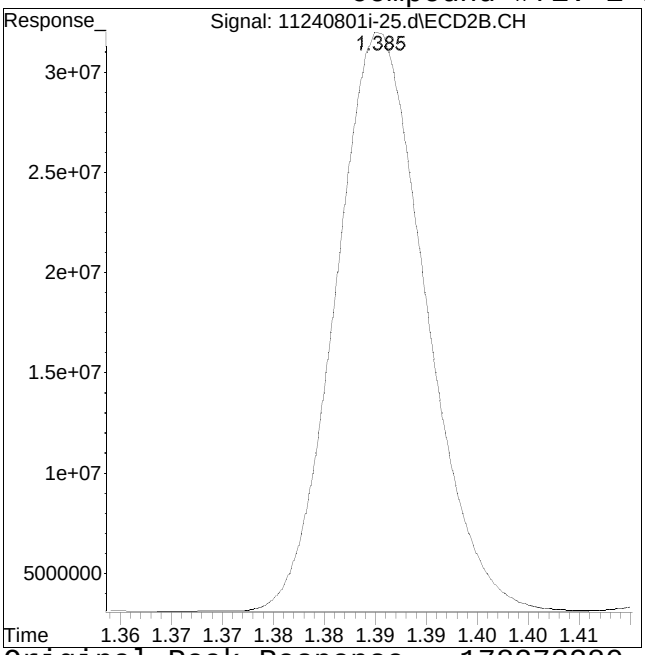
Manual Peak Response = 226465428 M4

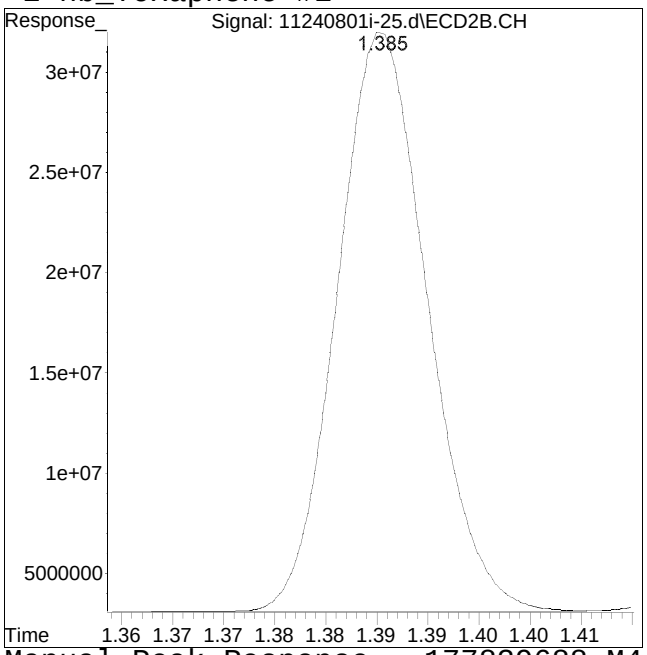
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-25.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:59 Instrument : Pest 11
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/2/2024 12:20 pm

Compound #71: 1-br-2-nb_Toxaphene #2



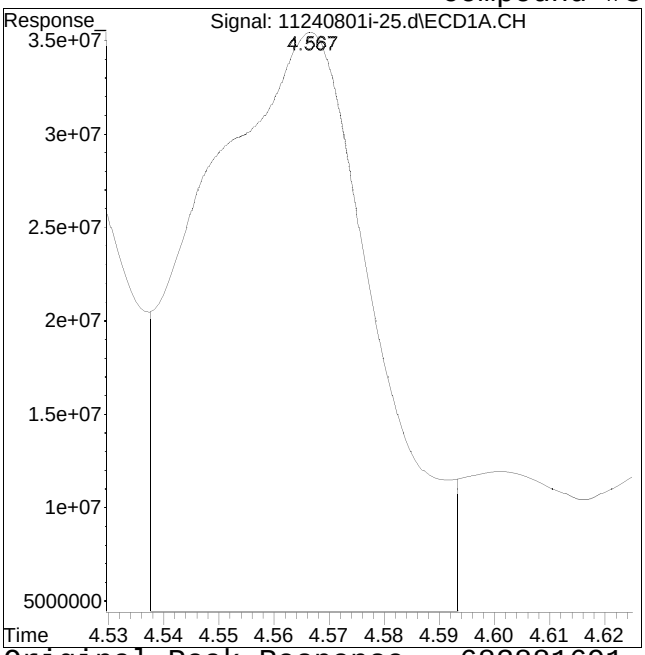


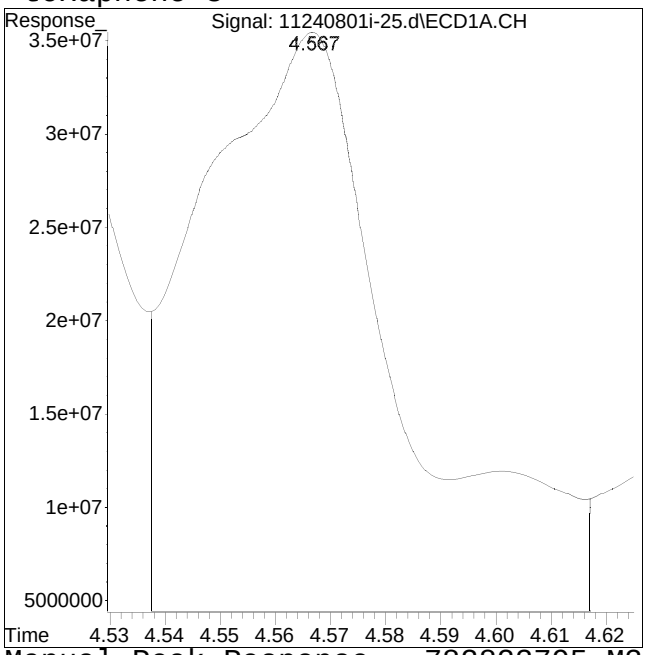
Original Peak Response = 178272380 Manual Peak Response = 177839688 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-25.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:59 Instrument : Pest 11
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/2/2024 12:20 pm

Compound #35: toxaphene-3





Original Peak Response = 683881691 Manual Peak Response = 782823795 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:11
Operator : PEST11:ejl
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:22:02 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:21:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.386	224.3E6	174.1E6	25.000M3	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:11
Operator : PEST11:ejl
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:22:02 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:21:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.442	5.084	2515.7E6	823.1E6	5063.269	5099.870
35) l2	toxaphene-3	4.566	5.113	1976.6E6	1216.3E6	5097.738	5059.169
36) l2	toxaphene-4	4.791	5.430	2005.0E6	1467.5E6	5227.075M3	5116.982
37) l2	toxaphene-5	5.167	5.836	1793.0E6	1350.3E6	5084.921	5105.955
Sum	toxaphene-2			8290.1E6	4857.3E6	20473.004	20381.976
Average	toxaphene-2					5118.251	5095.494

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			8290.1E6	4857.3E6	20473.004	20381.976
Average	toxaphene-2					5118.251	5095.494

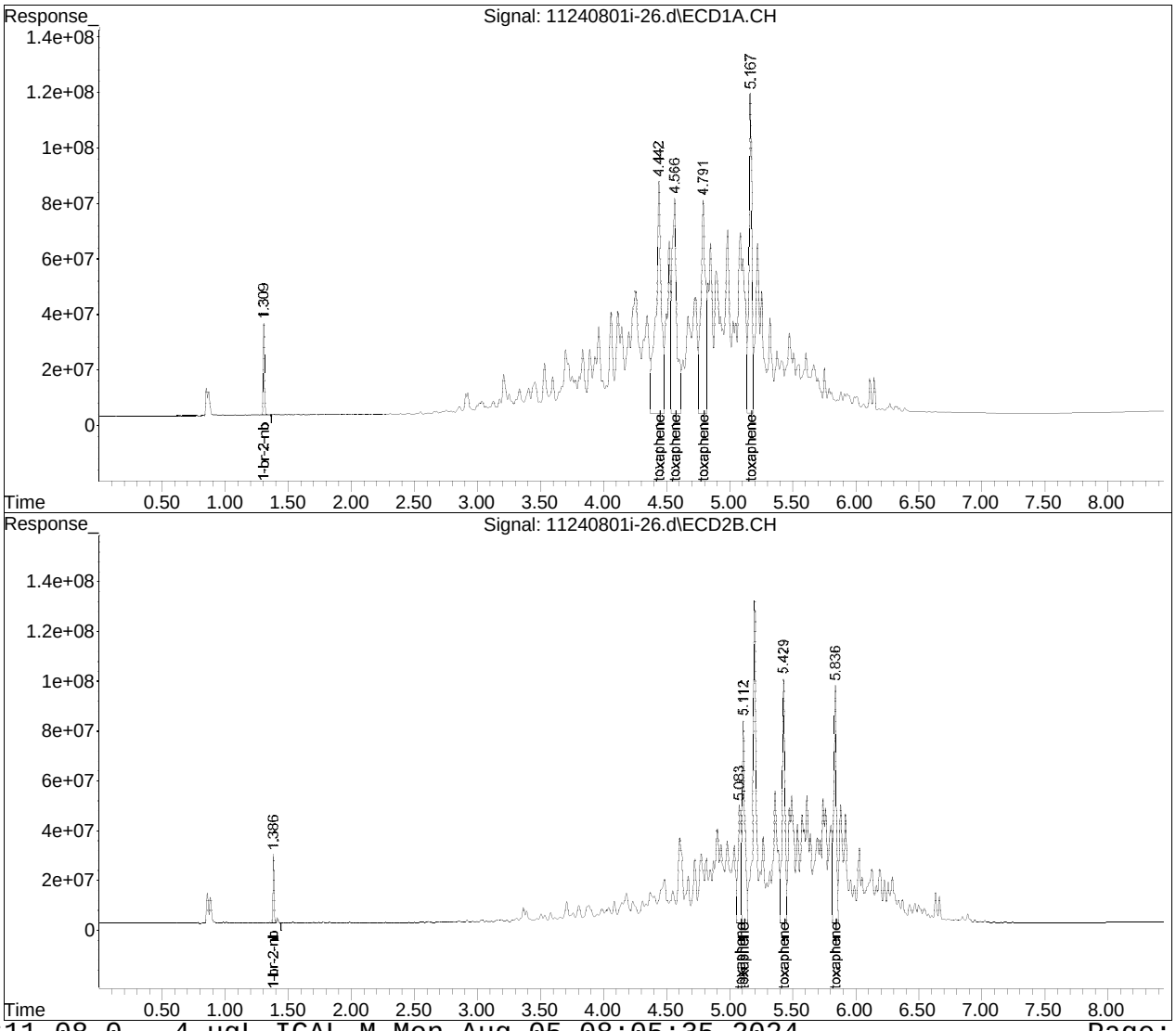
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:11
Operator : PEST11:ejl
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:22:02 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:21:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

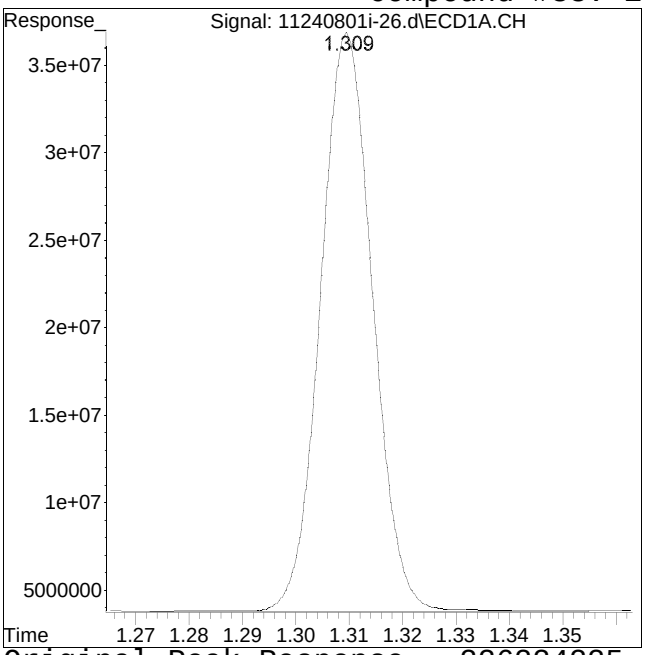
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

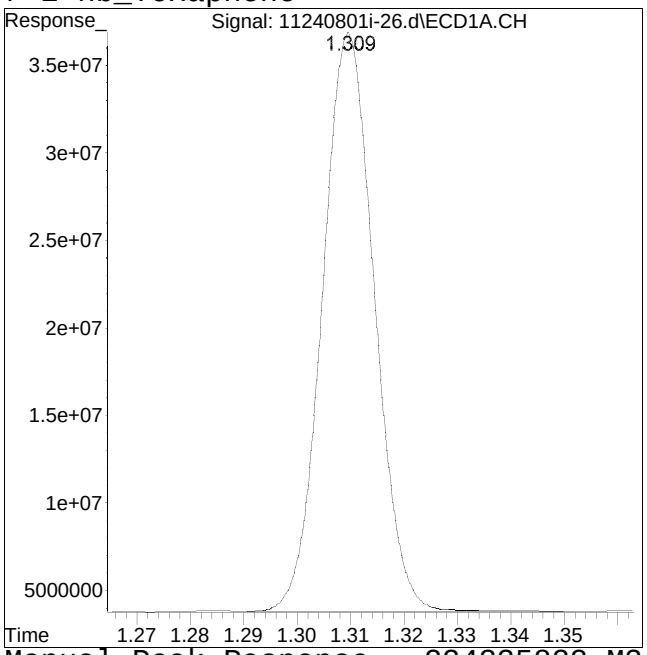


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-26.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:11 Instrument : Pest 11
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 8/2/2024 12:22 pm

Compound #33: 1-br-2-nb_Toxaphene



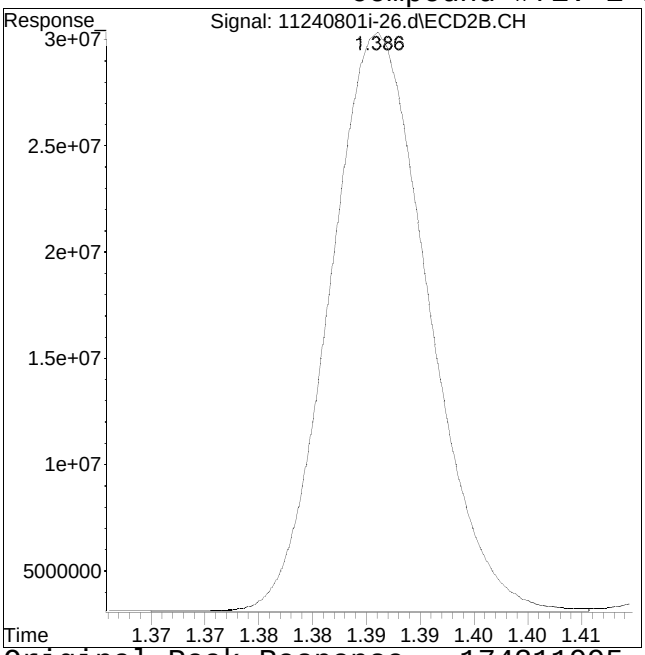


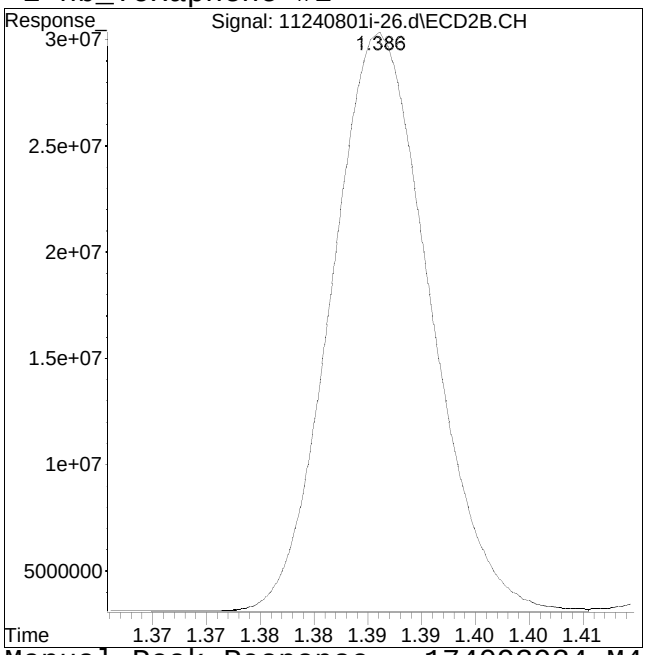
Original Peak Response = 226224225 Manual Peak Response = 224335822 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-26.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:11 Instrument : Pest 11
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 8/2/2024 12:22 pm

Compound #71: 1-br-2-nb_Toxaphene #2



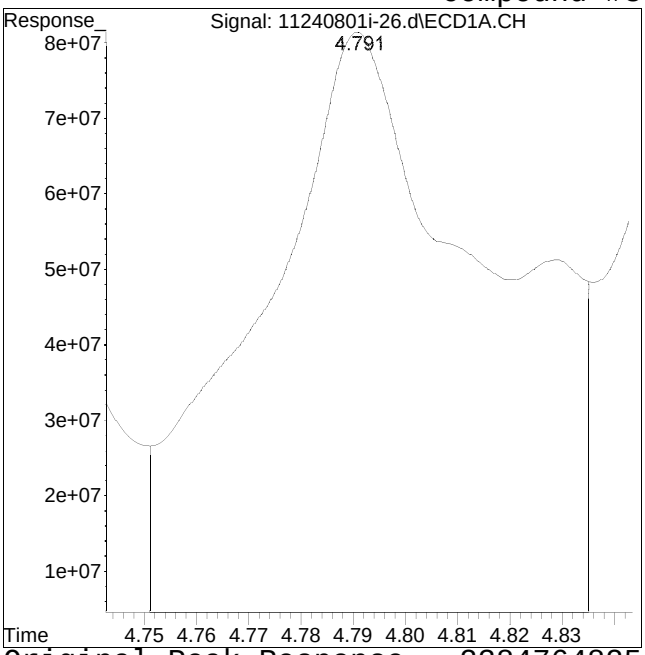


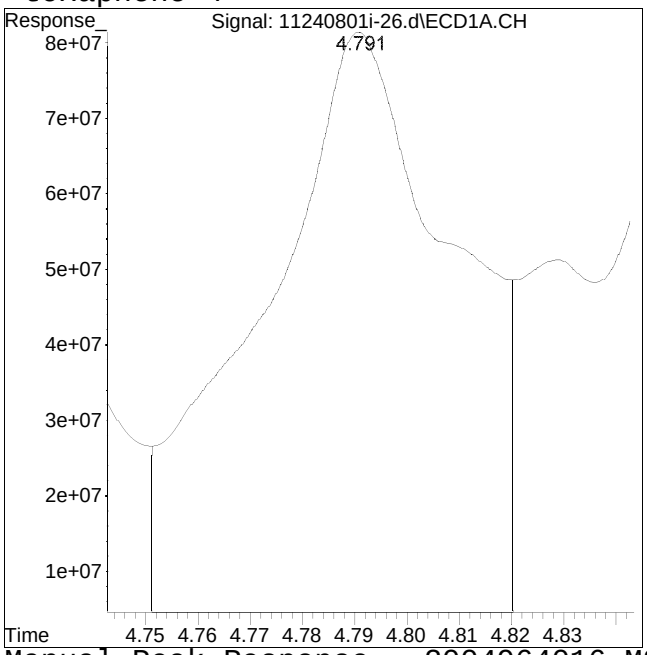
Original Peak Response = 174311995 Manual Peak Response = 174093924 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-26.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:11 Instrument : Pest 11
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 8/2/2024 12:22 pm

Compound #36: toxaphene-4





Original Peak Response = 2384764825 Manual Peak Response = 2004964016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	102	0.00
34	l2	toxaphene-2		*2000.000	1966.030	1.7	97	0.00
35	l2	toxaphene-3		*2000.000	1837.511	8.1	91	0.00
36	l2	toxaphene-4		*2000.000	1758.818	12.1	89	0.00
37	l2	toxaphene-5		*2000.000	1870.162	6.5	93	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	102	0.00
34	l2	toxaphene-2		*2000.000	1898.603	5.1	96	0.00
35	l2	toxaphene-3		*2000.000	1889.204	5.5	95	0.00
36	l2	toxaphene-4		*2000.000	1769.287	11.5	90	0.00
37	l2	toxaphene-5		*2000.000	1896.013	5.2	96	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.31#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	0.000	100.0#	0#	-1.65#
3	t	Hexachlorobenzene		1.406	0.000	100.0#	0#	-1.87#
4	t	alpha-BHC		1.461	0.000	100.0#	0#	-1.96#
5	t	gamma-BHC (lindane)		1.395	0.000	100.0#	0#	-2.17#
6	t	beta-BHC		0.628	0.000	100.0#	0#	-2.22#
7	t	delta-BHC		1.374	0.000	100.0#	0#	-2.35#
8	t	Heptachlor		1.321	0.000	100.0#	0#	-2.51#
9	t	Aldrin		1.233	0.000	100.0#	0#	-2.76#
10	t	Alachlor		0.230	0.000	100.0#	0#	-2.88#
11	t	Chlorpyrifos		0.590	0.000	100.0#	0#	-2.97#
12	t	Heptachlor Epoxide		1.185	0.000	100.0#	0#	-3.30#
13	t	gamma-Chlordane (trans)		1.077	0.000	100.0#	0#	-3.42#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.216	0.000	100.0#	0#	-3.56#
15	t	4,4'-DDE		1.192	0.000	100.0#	0#	-3.66#
16	t	Endosulfan I		1.116	0.000	100.0#	0#	-3.69#
17	t	Dieldrin		1.135	0.000	100.0#	0#	-3.96#
18	t	Endrin		1.153	0.000	100.0#	0#	-4.21#
19	t	4,4'-DDD		0.927	0.000	100.0#	0#	-4.32#
20	t	Endosulfan II		1.052	0.000	100.0#	0#	-4.45#
21	t	4,4'-DDT		1.058	0.000	100.0#	0#	-4.62#
22	t	Endrin Aldehyde		0.886	0.000	100.0#	0#	-4.87#
23	t	Methoxychlor		0.592	0.000	100.0#	0#	-5.10#
24	t	Mirex		0.938	0.000	100.0#	0#	-5.16#
25	t	Endosulfan Sulfate		1.010	0.000	100.0#	0#	-5.26#
26	t	Endrin Ketone		1.183	0.000	100.0#	0#	-5.49#
27	s	Decachlorobiphenyl		1.163	0.000	100.0#	0#	-6.29#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.31#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.45#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.87#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.42#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.55#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.39#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-1.86#
3	t	Hexachlorobenzene		1.239	0.000	100.0#	0#	-2.18#
4	t	alpha-BHC		1.620	0.000	100.0#	0#	-2.27#
5	t	gamma-BHC (lindane)		1.539	0.000	100.0#	0#	-2.56#
6	t	beta-BHC		* 50.000	0.000	100.0#	0	-2.62#
7	t	delta-BHC		1.523	0.000	100.0#	0#	-2.89#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.598	0.000	100.0#	0#	-2.95#
9	t	Aldrin		1.435	0.000	100.0#	0#	-3.27#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.15#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.51#
12	t	Heptachlor Epoxide		1.425	0.000	100.0#	0#	-3.88#
13	t	gamma-Chlordane (trans)		1.312	0.000	100.0#	0#	-4.10#
14	t	alpha-Chlordane (cis)		1.446	0.000	100.0#	0#	-4.27#
15	t	4,4'-DDE		1.343	0.000	100.0#	0#	-4.47#
16	t	Endosulfan I		1.332	0.000	100.0#	0#	-4.34#
17	t	Dieldrin		1.327	0.000	100.0#	0#	-4.63#
18	t	Endrin		1.347	0.000	100.0#	0#	-4.93#
19	t	4,4'-DDD		1.084	0.000	100.0#	0#	-5.05#
20	t	Endosulfan II		1.214	0.000	100.0#	0#	-5.13#
21	t	4,4'-DDT		1.250	0.000	100.0#	0#	-5.33#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.42#
23	t	Methoxychlor		0.704	0.000	100.0#	0#	-5.89#
24	t	Mirex	*	50.000	0.000	100.0#	0	-6.02#
25	t	Endosulfan Sulfate		1.199	0.000	100.0#	0#	-5.65#
26	t	Endrin Ketone		1.261	0.000	100.0#	0#	-6.06#
27	s	Decachlorobiphenyl		1.060	0.000	100.0#	0#	-6.92#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.39#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-2.82#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.42#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.10#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.28#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.386	223.1E6	177.4E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.443	5.084	975.4E6	317.3E6	1966.030	1898.603
35) l2	toxaphene-3	4.567	5.112	712.2E6	467.1E6	1837.511	1889.204
36) l2	toxaphene-4	4.792	5.430	686.8E6	525.1E6	1758.818M3	1769.287
37) l2	toxaphene-5	5.168	5.836	662.9E6	518.4E6	1870.162	1896.013
Sum	toxaphene-2			3037.3E6	1827.9E6	7432.520	7453.107
Average	toxaphene-2					1858.130	1863.277

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			3037.3E6	1827.9E6	7432.520	7453.107
Average	toxaphene-2					1858.130	1863.277

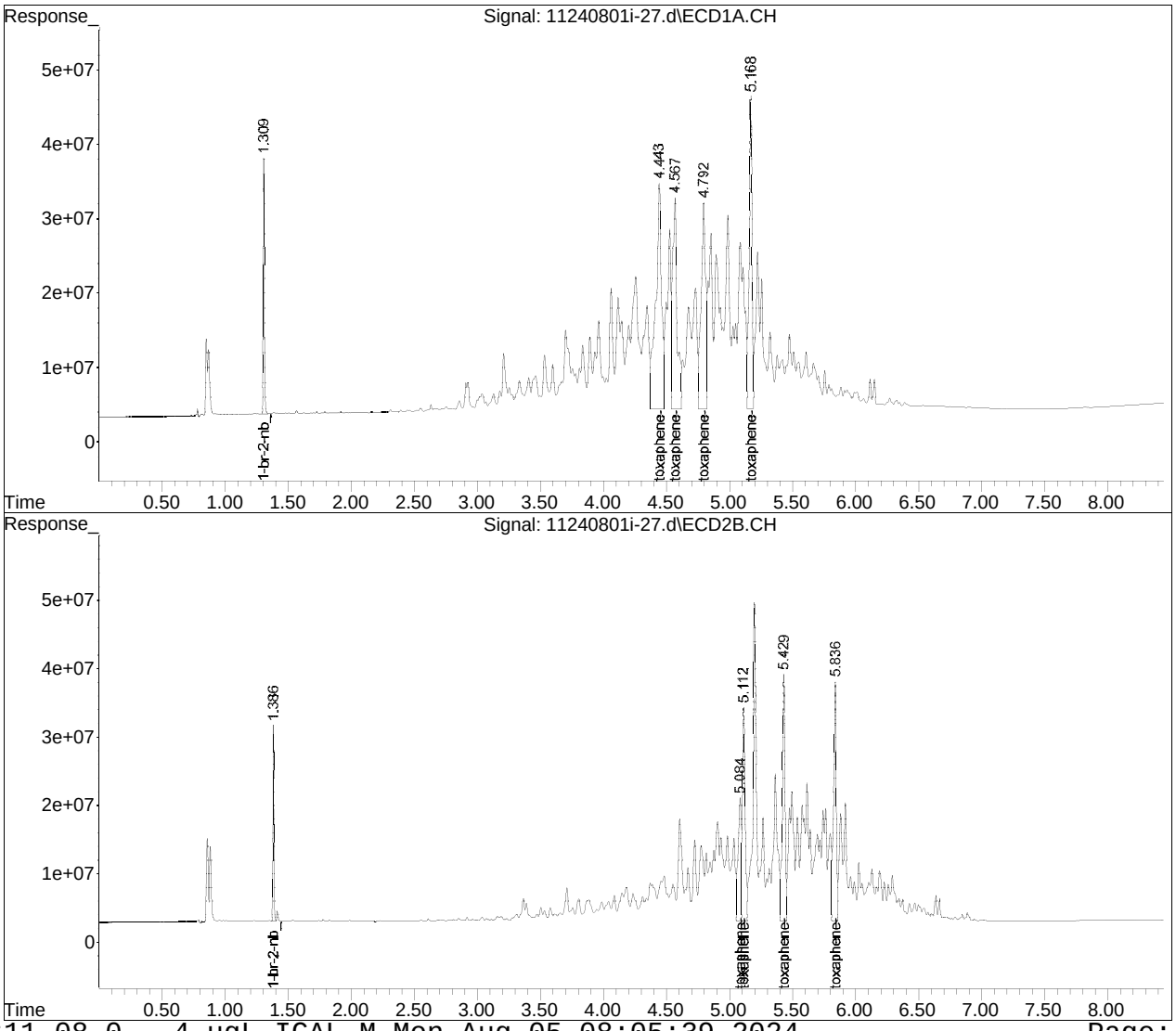
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

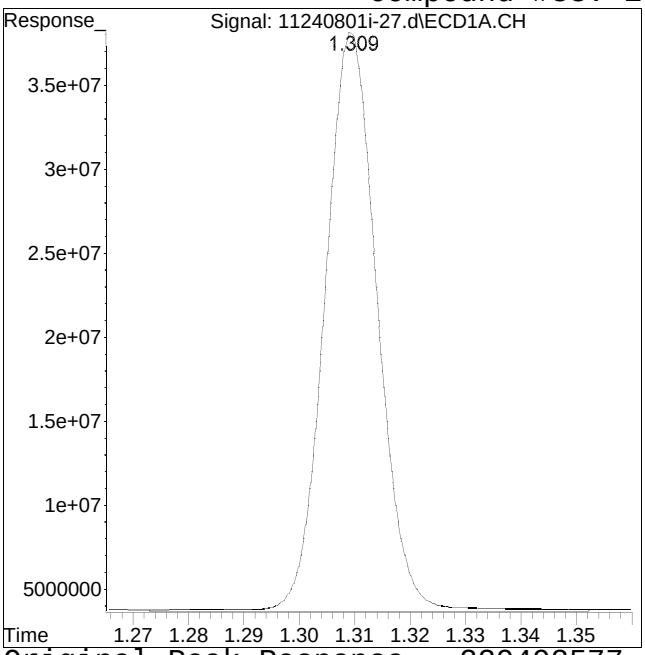
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

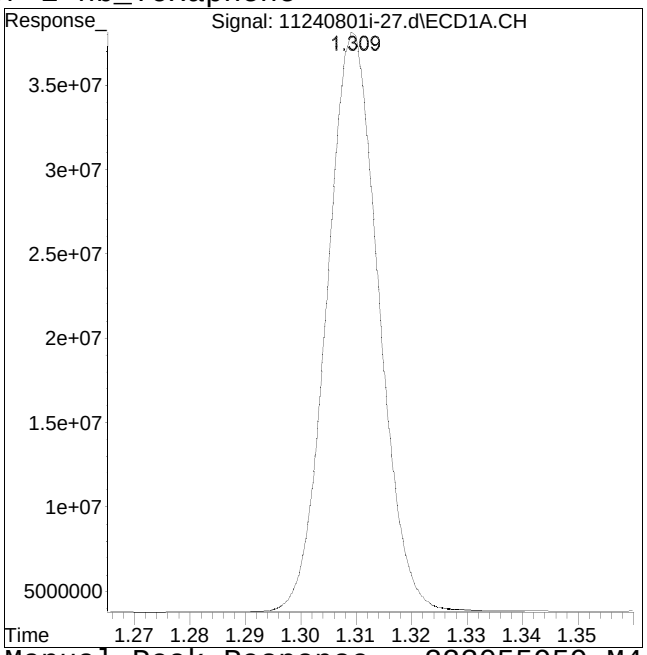


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-27.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:23 Instrument : Pest 11
Sample : cicvtox,42e,,pp 11668 L2.0 Quant Date : 8/2/2024 12:29 pm

Compound #33: 1-br-2-nb_Toxaphene



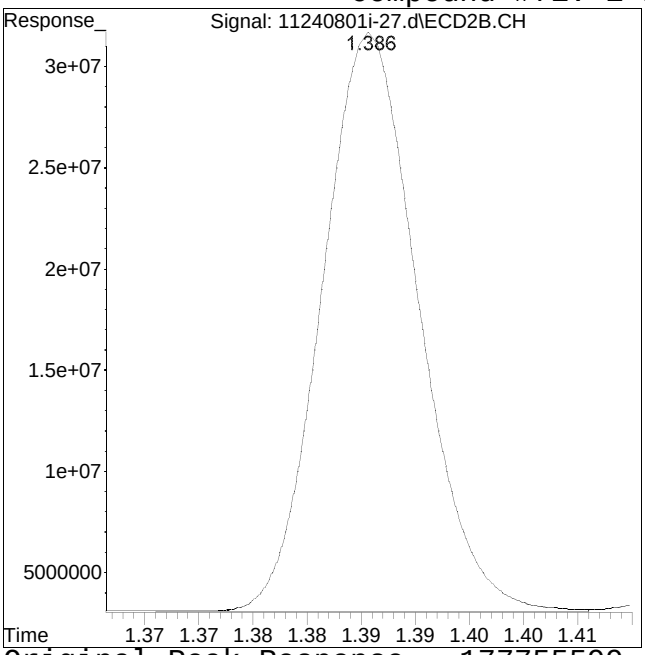


Original Peak Response = 229492577 Manual Peak Response = 223055959 M4
M4 = Poor automated baseline construction.

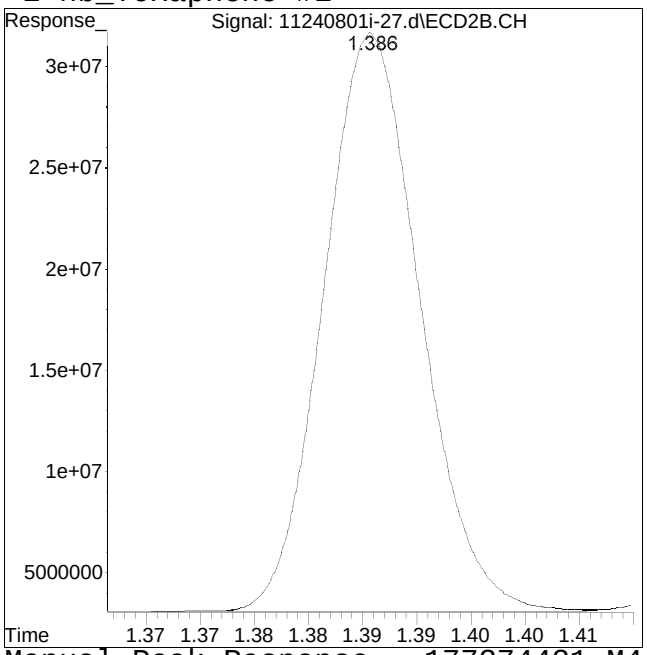
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-27.d
Date Inj'd : 8/1/2024 23:23
Sample : cicvtox,42e,,pp 11668 L2.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:29 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 177755599



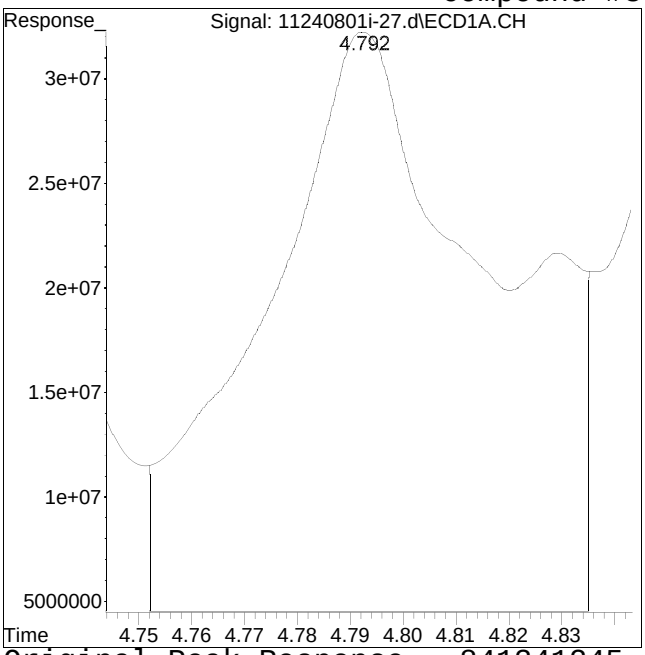
Manual Peak Response = 177374421 M4

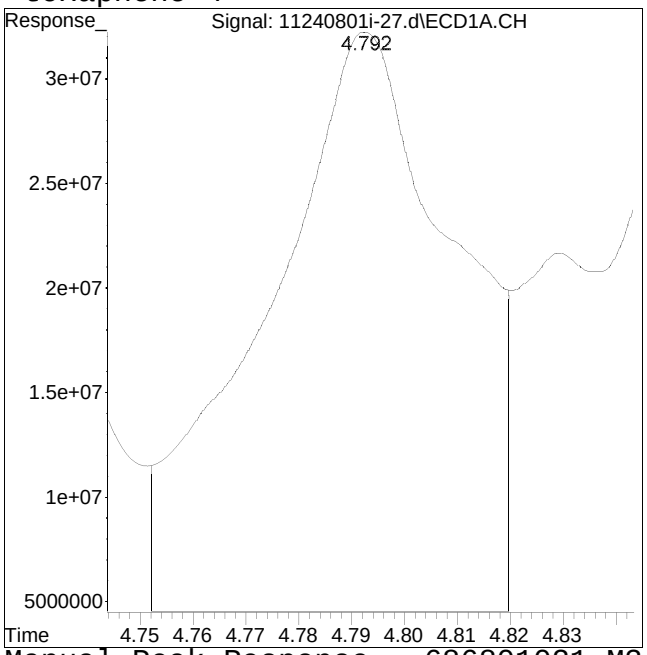
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-27.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:23 Instrument : Pest 11
Sample : cicvtox,42e,,pp 11668 L2.0Quant Date : 8/2/2024 12:29 pm

Compound #36: toxaphene-4





Original Peak Response = 841341245 Manual Peak Response = 686801021 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Relative Error Report Pest 11

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
29	L1 chlordane-1	L	ug/l	1000.0	1038.450	3.8	10.00	9.627	-3.7
30	L1 chlordane-3	L	ug/l	1000.0	1075.547	7.6	10.00	7.099	-29.0
31	L1 chlordane-4	L	ug/l	1000.0	1057.641	5.8	10.00	9.470	-5.3
32	L1 chlordane-5	L	ug/l	1000.0	1065.479	6.5	10.00	9.042	-9.6
34	L2 toxaphene-2	L	ug/l	2000.0	1991.278	-0.4	20.00	22.016	10.1
35	L2 toxaphene-3	L	ug/l	2000.0	1988.580	-0.6	20.00	22.909	14.5
36	L2 toxaphene-4	L	ug/l	2000.0	1952.950	-2.4	20.00	22.256	11.3
37	L2 toxaphene-5	L	ug/l	2000.0	1978.581	-1.1	20.00	20.714	3.6
44	T beta-BHC #2	L	ug/l	50.0	50.907	1.8	1.00	0.790	-21.0
48	T Alachlor #2	L	ug/l	50.0	53.910	7.8	2.00	1.484	-25.8
49	T Chlorpyrifos #2	L	ug/l	50.0	52.668	5.3	2.00	1.609	-19.6
60	T Endrin Aldehyde #2	L	ug/l	50.0	50.418	0.8	1.00	0.856	-14.4
62	T Mirex #2	L	ug/l	50.0	50.877	1.8	2.00	1.727	-13.6
67	L1 chlordane-1 #2	L	ug/l	1000.0	1065.397	6.5	10.00	7.110	-28.9
68	L1 chlordane-3 #2	L	ug/l	1000.0	1115.565	11.6	10.00	5.208	-47.9
69	L1 chlordane-4 #2	L	ug/l	1000.0	1071.147	7.1	10.00	8.535	-14.6
70	L1 chlordane-5 #2	L	ug/l	1000.0	1069.213	6.9	10.00	8.307	-16.9
72	L2 toxaphene-2 #2	L	ug/l	2000.0	1968.160	-1.6	20.00	17.722	-11.4
73	L2 toxaphene-3 #2	L	ug/l	2000.0	1981.747	-0.9	20.00	18.240	-8.8
74	L2 toxaphene-4 #2	L	ug/l	2000.0	1969.518	-1.5	20.00	19.050	-4.7
75	L2 toxaphene-5 #2	L	ug/l	2000.0	1971.269	-1.4	20.00	18.840	-5.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
29	L1 chlordane-1	Linear	0.999348	0.000000	0.0363716	0.00108757
30	L1 chlordane-3	Linear	0.997393	0.000000	0.0421132	0.0078182
31	L1 chlordane-4	Linear	0.998643	0.000000	0.155448	0.0068286
32	L1 chlordane-5	Linear	0.998228	0.000000	0.238606	0.0109807
34	L2 toxaphene-2	Linear	0.999824	0.000000	0.055848	-0.0188813
35	L2 toxaphene-3	Linear	0.999518	0.000000	0.0436385	-0.01444
36	L2 toxaphene-4	Linear	0.999238	0.000000	0.0438591	-0.00655081
37	L2 toxaphene-5	Linear	0.999880	0.000000	0.0395938	0.00995327
44	T beta-BHC #2	Linear	0.999559	0.000000	0.62395	0.0144288
48	T Alachlor #2	Linear	0.996730	0.000000	0.176781	0.0129204
49	T Chlorpyrifos #2	Linear	0.998303	0.000000	0.678141	0.0439823
60	T Endrin Aldehyde #2	Linear	0.999312	0.000000	0.92637	0.0145142
62	T Mirex #2	Linear	0.999318	0.000000	0.884014	0.0427365
67	L1 chlordane-1 #2	Linear	0.996325	0.000000	0.0369026	0.0110712
68	L1 chlordane-3 #2	Linear	0.991238	0.000000	0.0403855	0.0197671
69	L1 chlordane-4 #2	Linear	0.995940	0.000000	0.155283	0.0303717
70	L1 chlordane-5 #2	Linear	0.996066	0.000000	0.119242	0.0251686
72	L2 toxaphene-2 #2	Linear	0.999654	0.000000	0.0234841	0.00538869
73	L2 toxaphene-3 #2	Linear	0.999781	0.000000	0.0347383	0.00824347
74	L2 toxaphene-4 #2	Linear	0.999739	0.000000	0.0417228	0.00770414
75	L2 toxaphene-5 #2	Linear	0.999723	0.000000	0.0383851	0.0113923

Response Factor Report Pest 18

Method Path : I:\PEST\Pest18\2024\240815ICAL\
Method File : pest18_2024_08_15_ugL_ICAL.m
Title : pest
Last Update : Tue Aug 20 12:35:03 2024
Response Via : Initial Calibration

Calibration Files
1 =18240815i-03.d 2 =18240815i-04.d 3 =18240815i-22.d 4 =18240815i-23.d 5 =18240815i-16.d
7 =18240815i-24.d 8 =18240815i-18.d 9 =18240815i-26.d 10 =18240815i-20.d 11 =18240815i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.311	1.321	1.272	1.347	1.276	1.155	1.130	1.085	1.081	1.220	8.72
3)		Hexachloroben...		1.616	1.609	1.580	1.483	1.423	1.329	1.299	1.251	1.289	1.431	10.23
4)		alpha-BHC		1.553	1.581	1.570	1.491	1.505	1.521	1.505	1.471	1.577	1.531	2.66
5)		gamma-BHC (li...	1.600	1.434	1.446	1.435	1.360	1.373	1.361	1.347	1.308	1.375	1.404	5.82
6)		beta-BHC		0.744	0.738	0.635	0.674	0.645	0.596	0.579	0.560	0.575	0.638	10.78
7)		delta-BHC		1.459	1.475	1.433	1.369	1.379	1.385	1.373	1.338	1.423	1.404	3.27
8)		Heptachlor		1.459	1.465	1.425	1.344	1.324	1.280	1.234	1.153	1.148	1.315	9.24
9)		Aldrin		1.347	1.386	1.355	1.280	1.268	1.275	1.244	1.178	1.220	1.284	5.28
10)		Alachlor		0.219	0.222	0.222	0.197	0.199	0.181	0.166	0.145		0.194	14.60
11)		Chlorpyrifos					0.660	0.622	0.562	0.521	0.465	0.455	*L	0.996
0														
12)		Heptachlor Ep...		1.231	1.303	1.292	1.202	1.136	1.133	1.091	1.021	1.036	1.161	8.91
13)		gamma-Chlorda...		1.276	1.255	1.236	1.139	1.094	1.087	1.063	1.014	1.096	1.140	8.18
14)		alpha-Chlorda...		1.367	1.397	1.391	1.295	1.234	1.225	1.194	1.127	1.225	1.273	7.47
15)		4,4'-DDE		1.245	1.368	1.334	1.290	1.217	1.261	1.236	1.173	1.288	1.268	4.71
16)		Endosulfan I		1.226	1.265	1.270	1.186	1.120	1.108	1.068	0.992	1.005	1.138	9.25

Response Factor Report Pest 18

Method Path : I:\PEST\Pest18\2024\240815ICAL\
Method File : pest18_2024_08_15_ugL_ICAL.m
Title : pest
Last Update : Tue Aug 20 12:35:03 2024
Response Via : Initial Calibration

Calibration Files
1 =18240815i-03.d 2 =18240815i-04.d 3 =18240815i-22.d 4 =18240815i-23.d 5 =18240815i-16.d
7 =18240815i-24.d 8 =18240815i-18.d 9 =18240815i-26.d 10 =18240815i-20.d 11 =18240815i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
17)		Dieldrin		1.305	1.318	1.303	1.217	1.174	1.186	1.154	1.085	1.138	1.209	6.88
18)		Endrin		1.288	1.324	1.315	1.245	1.184	1.190	1.152	1.077	1.108	1.209	7.39
19)		4,4'-DDD		1.022	1.056	1.053	0.982	0.943	0.970	0.942	0.896	0.974	0.982	5.43
20)		Endosulfan II		1.187	1.223	1.221	1.148	1.077	1.067	1.028	0.948	0.968	1.096	9.50
21)		4,4'-DDT		1.149	1.224	1.194	1.108	1.042	1.091	1.061	1.002	1.092	1.107	6.44
22)		Endrin Aldehyde		0.973	1.036	1.024	0.953	0.885	0.896	0.872	0.817	0.851	0.923	8.36
23)		Methoxychlor				0.750	0.688	0.623	0.591	0.547	0.487		*L	0.994
5														
24)		Mirex		1.252	1.197	1.162	1.052	0.944	0.879	0.838	0.780	0.866	*L	0.997
7														
25)		Endosulfan Su...		1.160	1.207	1.174	1.108	1.058	1.062	1.034	0.963	1.011	1.087	7.50
26)		Endrin Ketone		1.355	1.377	1.361	1.273	1.214	1.181	1.130	1.020	1.030	1.216	11.32
27)	s	Decachlorobip...		1.957	1.621	1.569	1.445	1.246	1.194	1.139	1.082	1.218	*L	0.997
3														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.091	0.087	0.082	0.077	0.066	0.063			0.078	14.38
30)	l1	chlordane-3			0.057	0.058	0.054	0.049	0.042	0.040			0.050	15.87
31)	l1	chlordane-4			0.206	0.199	0.184	0.177	0.145	0.148			0.176	14.35
32)	l1	chlordane-5			0.314	0.302	0.284	0.272	0.222	0.226			0.270	14.22

Method Path : I:\PEST\Pest18\2024\240815ICAL\
Method File : pest18_2024_08_15_ugL_ICAL.m
Title : pest
Last Update : Tue Aug 20 12:35:03 2024
Response Via : Initial Calibration

Calibration Files
1 =18240815i-03.d 2 =18240815i-04.d 3 =18240815i-22.d 4 =18240815i-23.d 5 =18240815i-16.d
7 =18240815i-24.d 8 =18240815i-18.d 9 =18240815i-26.d 10 =18240815i-20.d 11 =18240815i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1			0.047	0.054		0.051	0.050	0.047			0.050	5.77
35)	l2	toxaphene-2			0.048	0.060		0.055	0.057	0.054			0.054	8.29
36)	l2	toxaphene-3			0.048	0.066		0.054	0.054	0.053			0.055	11.91
37)	l2	toxaphene-4			0.072	0.057		0.049	0.050	0.047			0.055	18.70

Signal #2 Calibration Files
1 =18240815i-03.d 2 =18240815i-04.d 3 =18240815i-22.d 4 =18240815i-23.d 5 =18240815i-16.d
7 =18240815i-24.d 8 =18240815i-18.d 9 =18240815i-26.d 10 =18240815i-20.d 11 =18240815i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...			1.253	1.266	1.229	1.185	1.166	1.141	1.128	1.112	1.131	1.179	4.89
3)		Hexachloroben...			1.414	1.419	1.368	1.293	1.239	1.165	1.144	1.127	1.175	1.260	9.30
4)		alpha-BHC			1.511	1.542	1.524	1.470	1.523	1.589	1.606	1.620	1.737	1.569	5.07
5)		gamma-BHC (li...		1.687	1.441	1.468	1.435	1.376	1.391	1.422	1.432	1.434	1.536	1.462	6.16
6)		beta-BHC			0.764	0.753	0.737	0.694	0.673	0.631	0.618	0.604	0.640	0.679	8.92
7)		delta-BHC			1.450	1.449	1.412	1.357	1.390	1.440	1.459	1.458	1.587	1.445	4.41
8)		Heptachlor			1.386	1.419	1.380	1.304	1.278	1.296	1.270	1.233	1.296	1.318	4.74
9)		Aldrin			1.310	1.336	1.318	1.253	1.267	1.319	1.306	1.274	1.379	1.307	2.96

Response Factor Report Pest 18

Method Path : I:\PEST\Pest18\2024\240815ICAL\
Method File : pest18_2024_08_15_ugL_ICAL.m
Title : pest
Last Update : Tue Aug 20 12:35:03 2024
Response Via : Initial Calibration

Calibration Files
1 =18240815i-03.d 2 =18240815i-04.d 3 =18240815i-22.d 4 =18240815i-23.d 5 =18240815i-16.d
7 =18240815i-24.d 8 =18240815i-18.d 9 =18240815i-26.d 10 =18240815i-20.d 11 =18240815i-12.d

	Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
10)	Alachlor		0.213	0.221	0.217	0.208	0.202	0.186	0.170	0.153		0.196	12.39
11)	Chlorpyrifos					0.706	0.663	0.597	0.550	0.495	0.509	*L	0.997
6													
12)	Heptachlor Ep...		1.354	1.366	1.317	1.230	1.207	1.216	1.181	1.130	1.223	1.247	6.46
13)	gamma-Chlorda...		1.174	1.199	1.176	1.109	1.093	1.117	1.091	1.063	1.208	1.137	4.66
14)	alpha-Chlorda...		1.323	1.351	1.319	1.245	1.222	1.242	1.209	1.174	1.330	1.268	4.99
15)	4,4'-DDE		1.223	1.272	1.245	1.184	1.187	1.275	1.247	1.210	1.365	1.245	4.48
16)	Endosulfan I		1.228	1.240	1.220	1.153	1.138	1.156	1.123	1.072	1.170	1.167	4.69
17)	Dieldrin		1.210	1.233	1.216	1.149	1.151	1.207	1.183	1.142	1.270	1.196	3.61
18)	Endrin		1.262	1.252	1.232	1.184	1.159	1.190	1.161	1.113	1.223	1.197	4.08
19)	4,4'-DDD		1.023	1.017	0.989	0.924	0.912	0.976	0.954	0.924	1.069	0.976	5.47
20)	Endosulfan II		1.145	1.156	1.125	1.068	1.041	1.059	1.027	0.973	1.053	1.072	5.57
21)	4,4'-DDT		1.097	1.138	1.092	1.031	1.014	1.070	1.039	1.001	1.151	1.070	4.97
22)	Endrin Aldehyde		0.992	0.971	0.957	0.888	0.851	0.879	0.856	0.821	0.917	0.903	6.53
23)	Methoxychlor				0.687	0.646	0.590	0.561	0.521	0.479		0.581	13.27
24)	Mirex		1.060	1.046	1.017	0.954	0.871	0.822	0.776	0.730	0.851	0.903	13.41
25)	Endosulfan Su...		1.111	1.121	1.084	1.030	0.990	1.006	0.971	0.930	1.045	1.032	6.28

Method Path : I:\PEST\Pest18\2024\240815ICAL\
Method File : pest18_2024_08_15_ugL_ICAL.m
Title : pest
Last Update : Tue Aug 20 12:35:03 2024
Response Via : Initial Calibration

Calibration Files
1 =18240815i-03.d 2 =18240815i-04.d 3 =18240815i-22.d 4 =18240815i-23.d 5 =18240815i-16.d
7 =18240815i-24.d 8 =18240815i-18.d 9 =18240815i-26.d 10 =18240815i-20.d 11 =18240815i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
26)		Endrin Ketone		1.200	1.207	1.182	1.129	1.076	1.096	1.052	0.998	1.104	1.116	6.32
27)	s	Decachlorobip...		1.081	1.114	1.071	1.015	0.911	0.879	0.827	0.780	0.897	0.953	12.63
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1		0.048	0.044	0.044	0.041	0.036	0.035				0.041	12.02
30)	l1	chlordane-3		0.053	0.053	0.050	0.044	0.037	0.036				0.046	16.76
31)	l1	chlordane-4		0.180	0.175	0.173	0.168	0.143	0.146				0.164	9.49
32)	l1	chlordane-5		0.146	0.142	0.138	0.132	0.112	0.114				0.131	11.17
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1		0.020	0.027		0.026	0.026	0.026				0.025	11.73
35)	l2	toxaphene-2		0.034	0.042		0.039	0.037	0.039				0.038	7.22
36)	l2	toxaphene-3		0.039	0.048		0.046	0.046	0.047				0.045	7.74
37)	l2	toxaphene-4		0.033	0.044		0.041	0.040	0.042				0.040	10.64

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 13:54
Operator : PEST18:peg
Sample : pem18240815i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG1961557,ical
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:55:31 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:48:29 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.685	1.785	566.8E6	326.6E6	25.000M4	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15)	4,4'-DDE	4.241	5.037	1086010	706738	0.038M4	0.043M4
18)	Endrin	4.786	5.501	1250.1E6	714.5E6	45.593M4	45.672M4
19)	4,4'-DDD	4.913	5.636	2624758	1928195	0.118M4	0.151M4
21)	4,4'-DDT	5.217	5.920	2272.9E6	1296.4E6	90.558M4	92.696M4
22) D	Endrin Aldeh	5.473	6.013	2137162	1826693	0.102M4	0.155M4
26)	Endrin Keton	6.105	6.668	7053493	4101142	0.256M4	0.281M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 13:54
Operator : PEST18:peg
Sample : pem18240815i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG1961557,ical
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:55:31 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:48:29 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

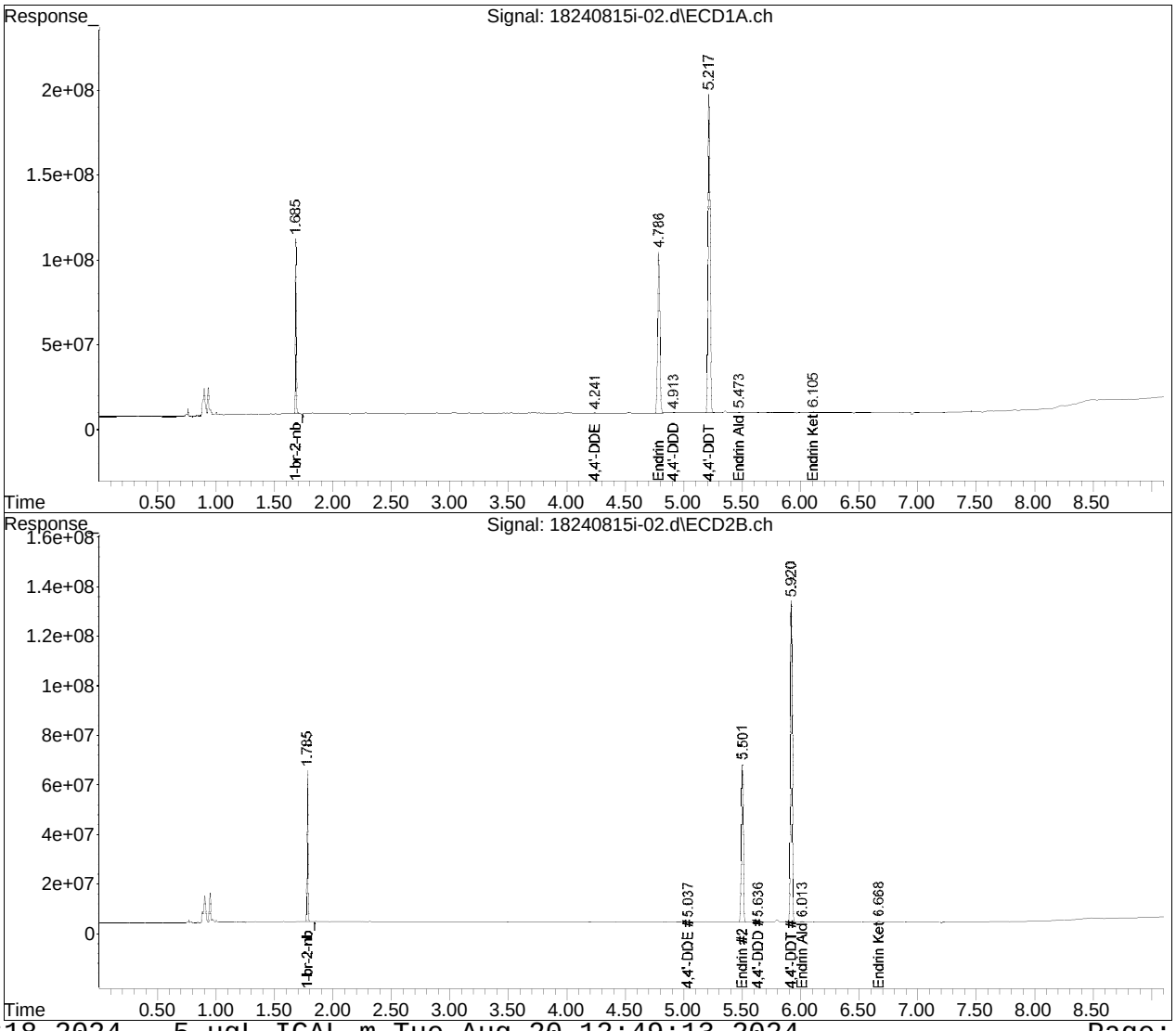
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 13:54
Operator : PEST18:peg
Sample : pem18240815i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (
Misc : WG1961557,ical
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:55:31 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:48:29 2024
Response via : Initial Calibration
Integrator: ChemStation

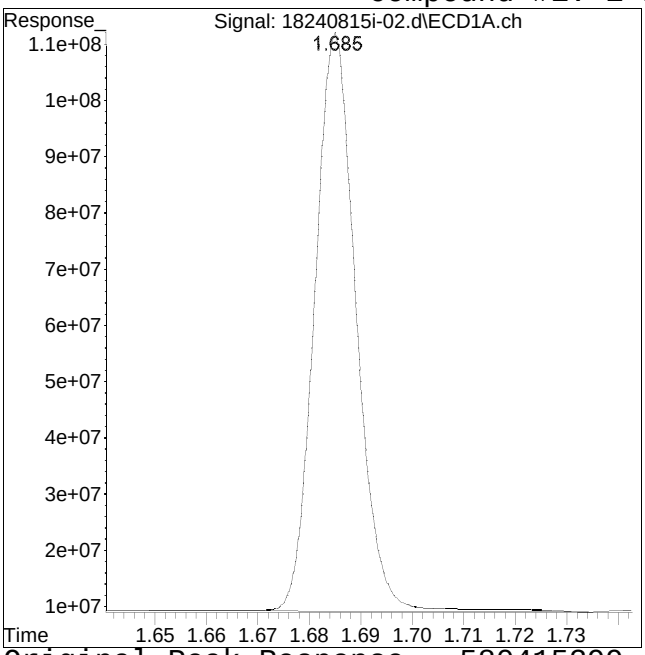
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

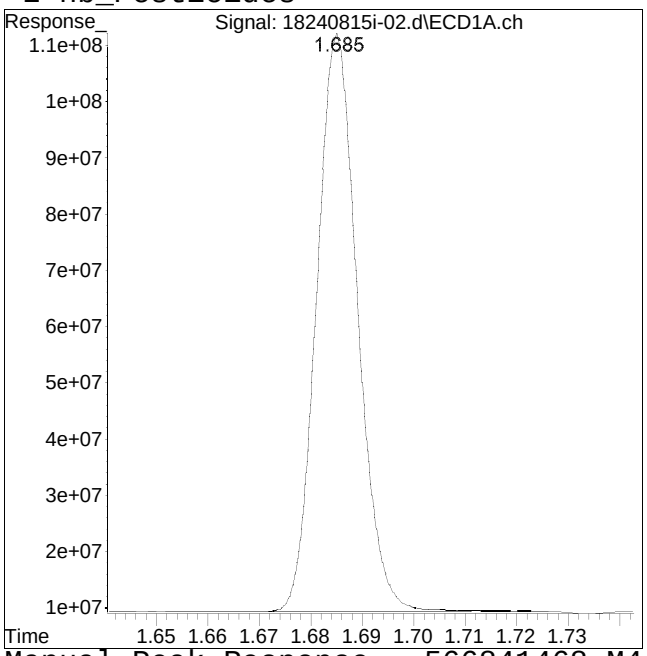


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #1: 1-br-2-nb_Pesticides



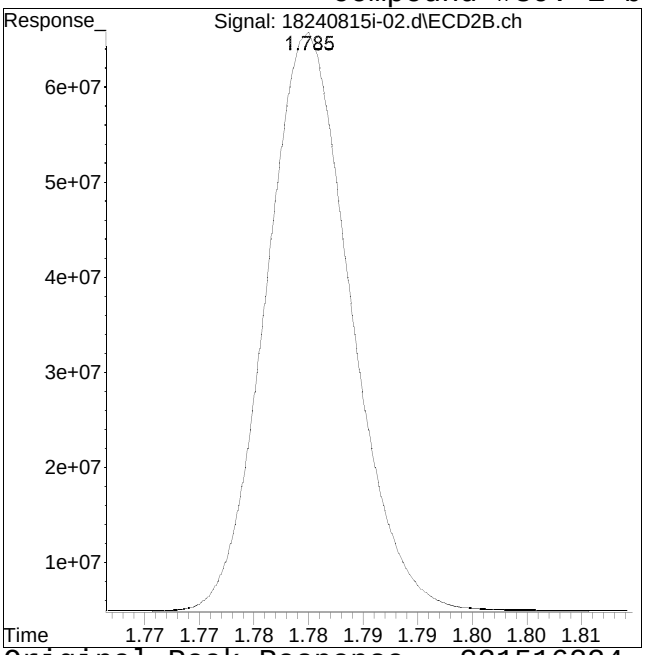


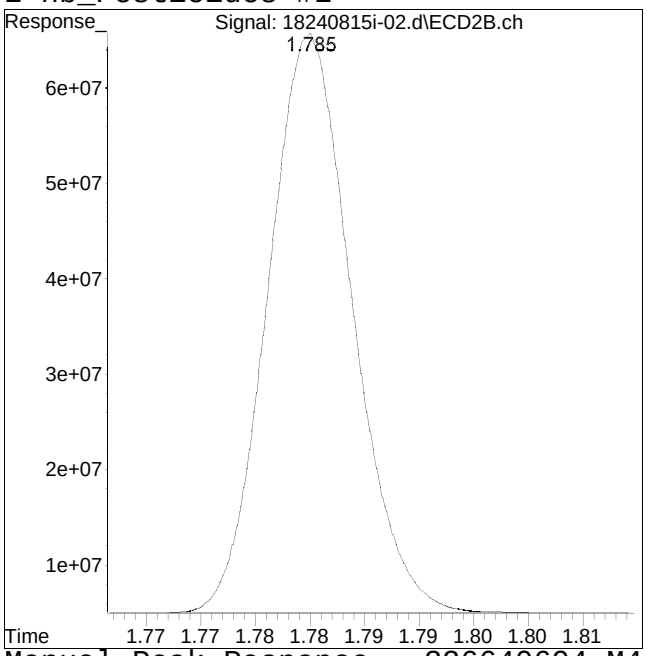
Original Peak Response = 580415399 Manual Peak Response = 566841468 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #39: 1-br-2-nb_Pesticides #2



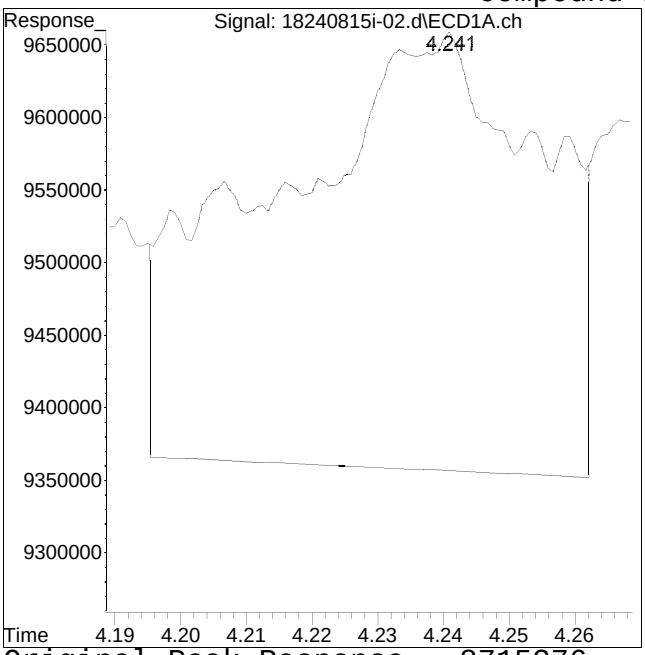


Original Peak Response = 331516224 Manual Peak Response = 326640694 M4
M4 = Poor automated baseline construction.

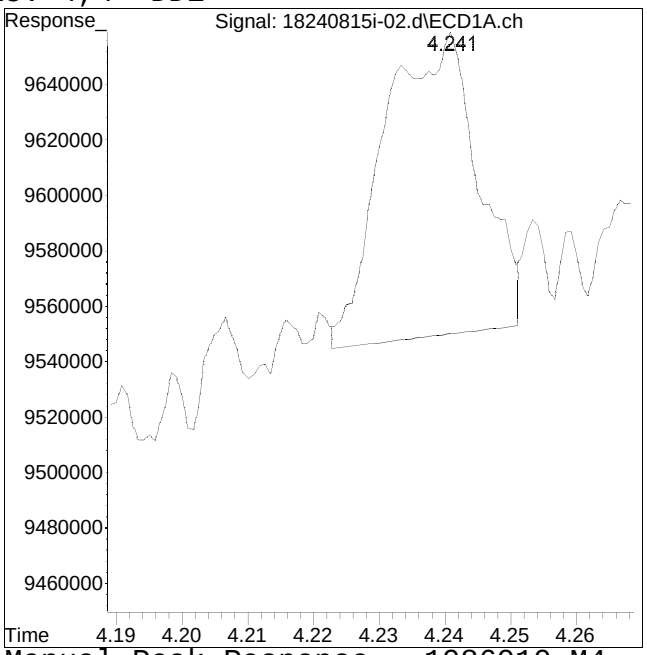
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #15: 4,4'-DDE



Original Peak Response = 8715376



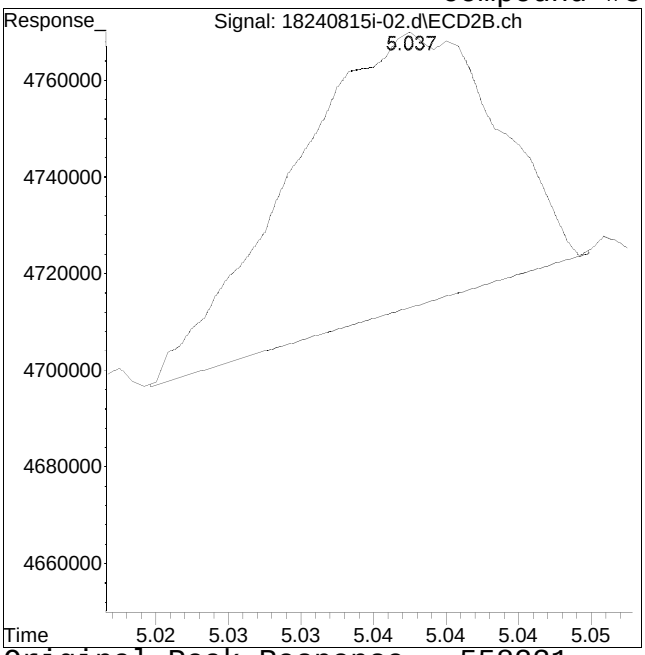
Manual Peak Response = 1086010 M4

M4 = Poor automated baseline construction.

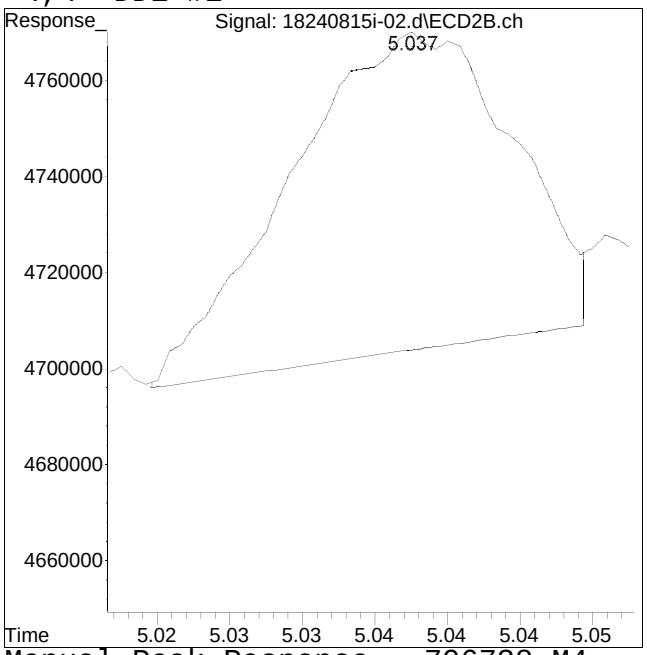
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 558231



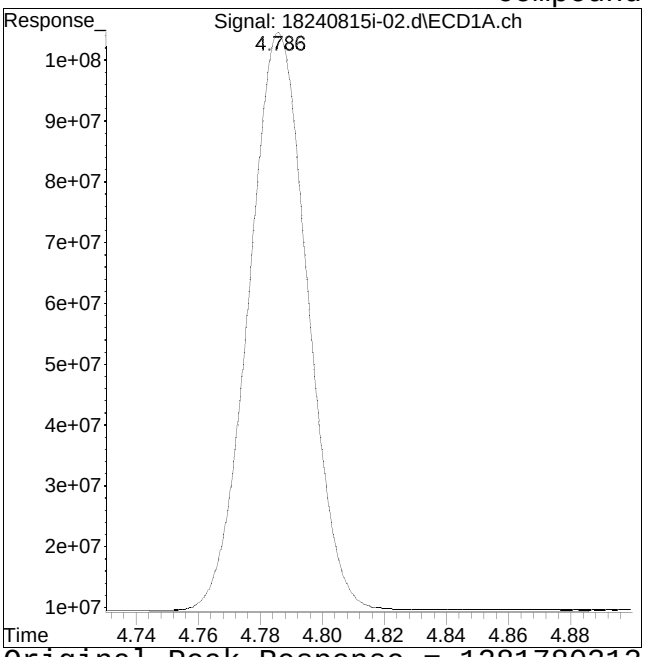
Manual Peak Response = 706738 M4

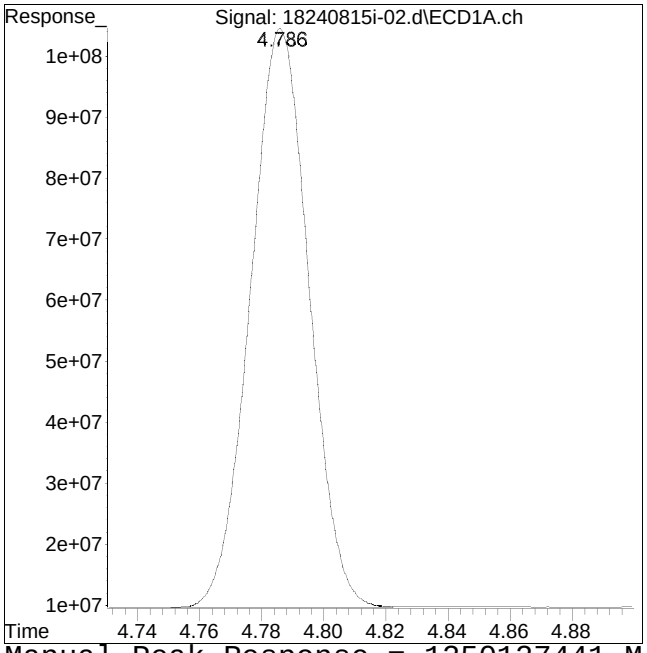
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #18: Endrin



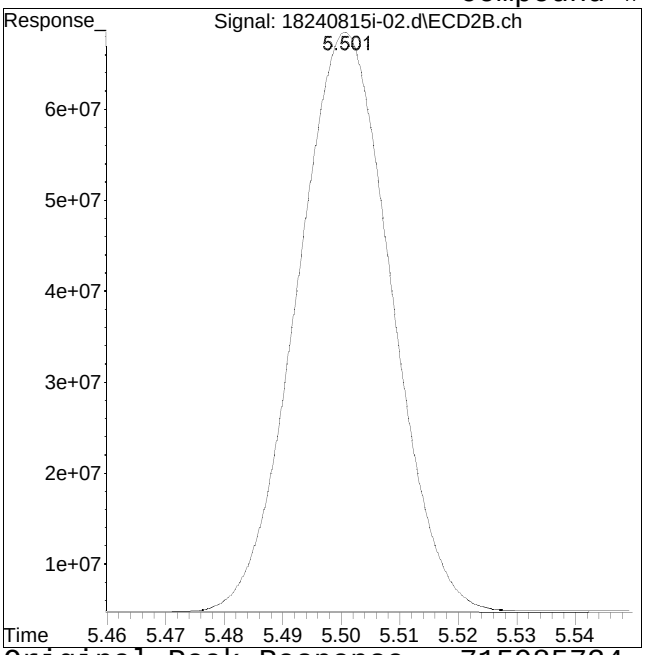


Original Peak Response = 1281780313 Manual Peak Response = 1250127441 M4
M4 = Poor automated baseline construction.

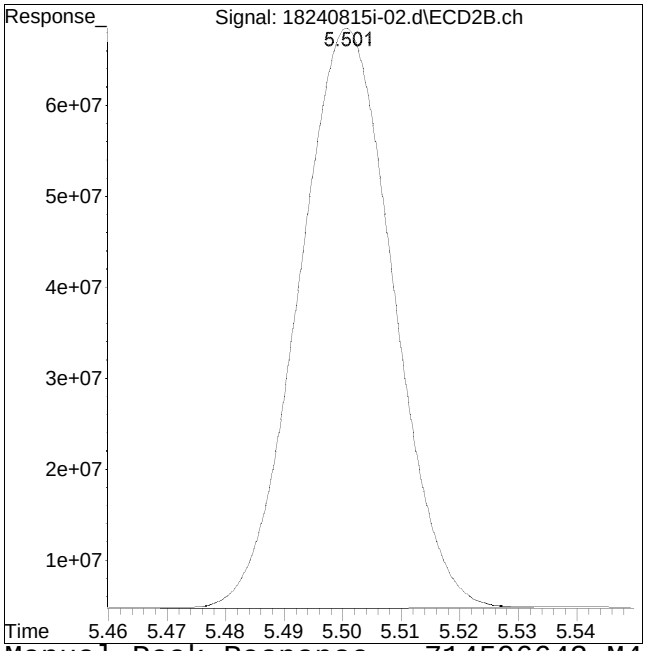
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #56: Endrin #2



Original Peak Response = 715985734



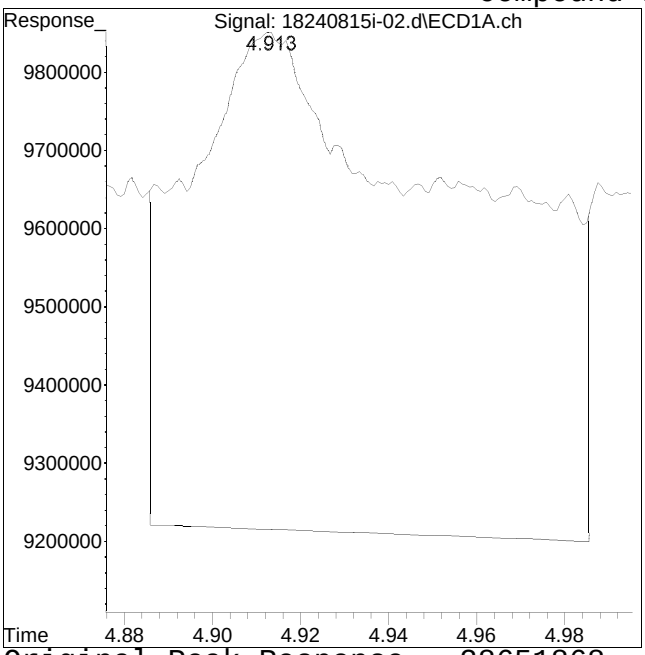
Manual Peak Response = 714506643 M4

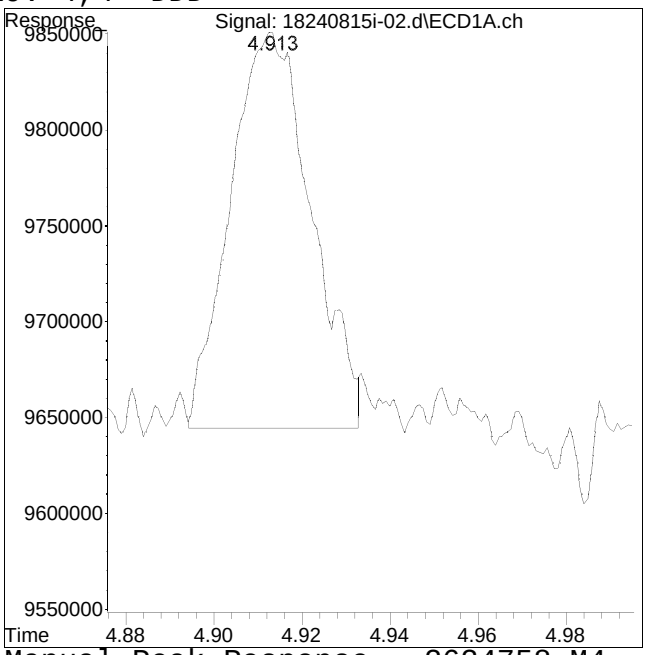
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-02.d
Date Inj'd : 8/15/2024 13:54
Sample : pem18240815i-01,42e,,pp 11
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 10:55 am

Compound #19: 4,4'-DDD



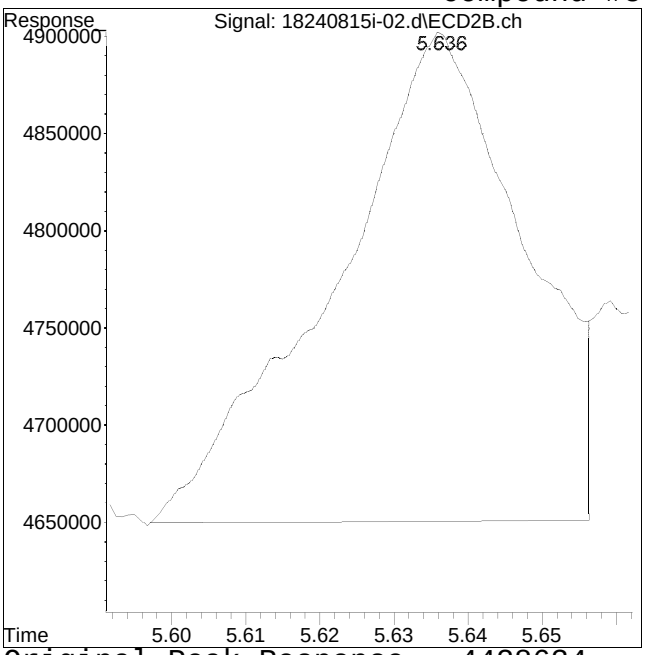


Original Peak Response = 28651868 Manual Peak Response = 2624758 M4
M4 = Poor automated baseline construction.

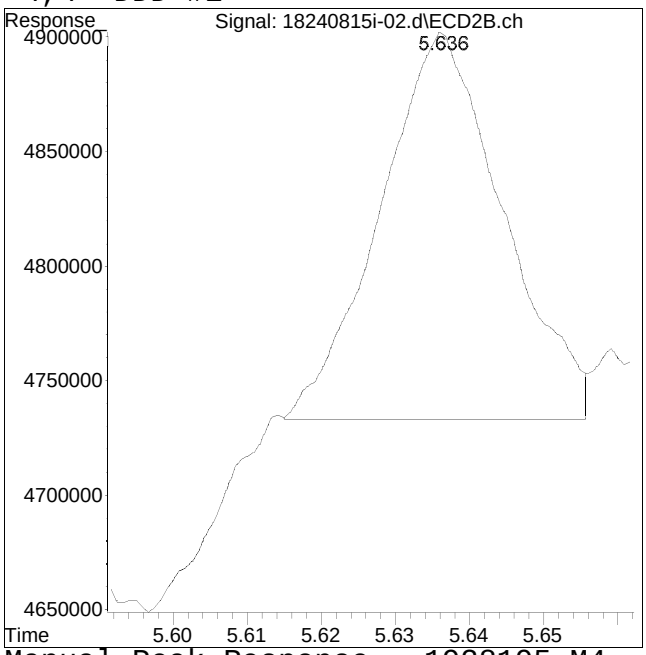
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 4428634



Manual Peak Response = 1928195 M4

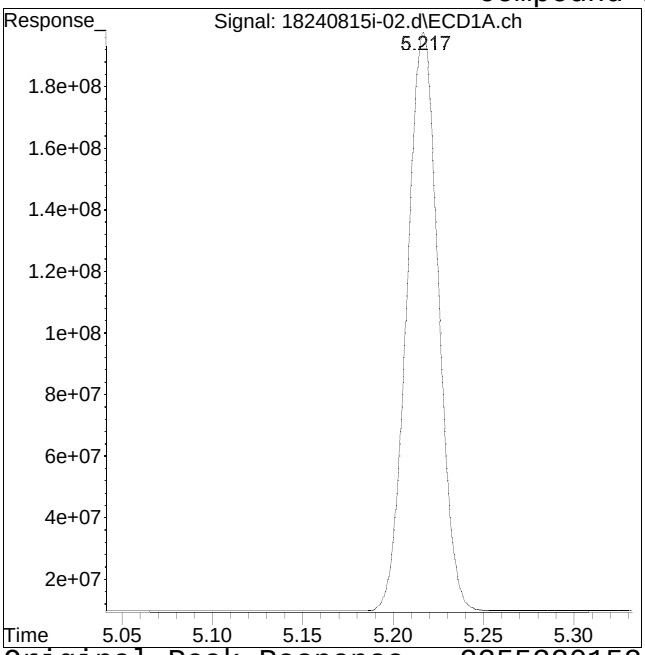
M4 = Poor automated baseline construction.

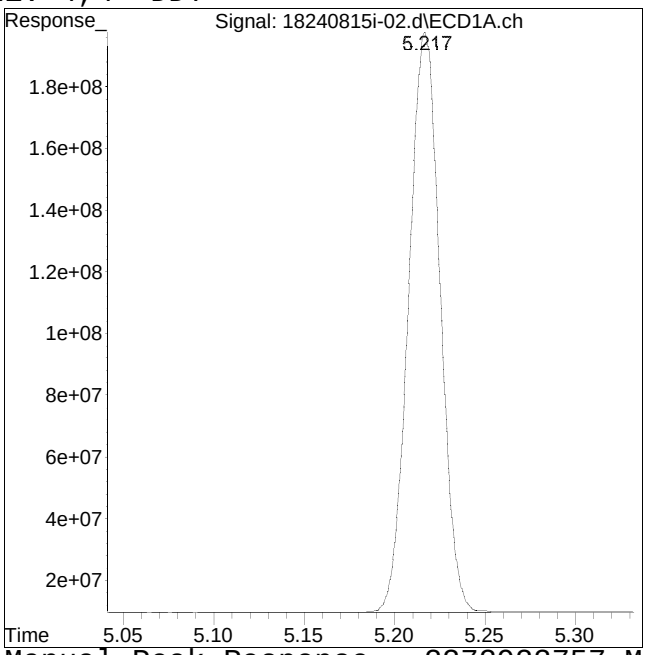
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-02.d
Date Inj'd : 8/15/2024 13:54
Sample : pem18240815i-01,42e,,pp 11

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 10:55 am

Compound #21: 4,4'-DDT



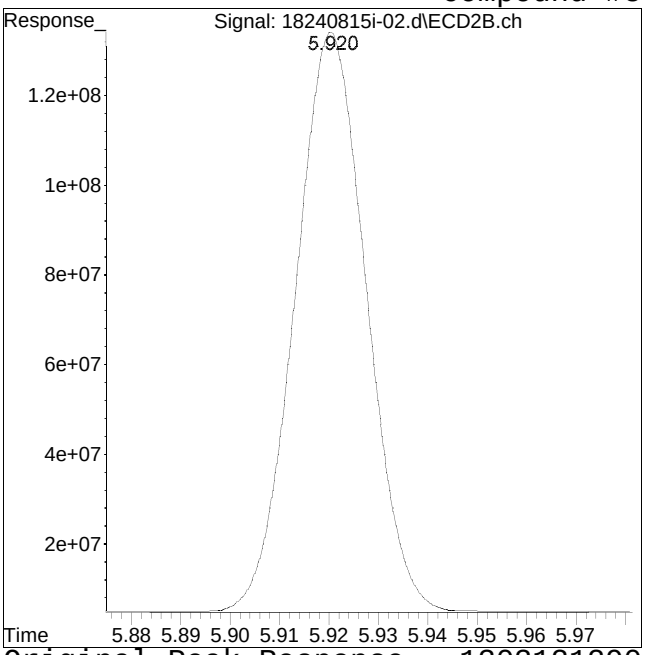


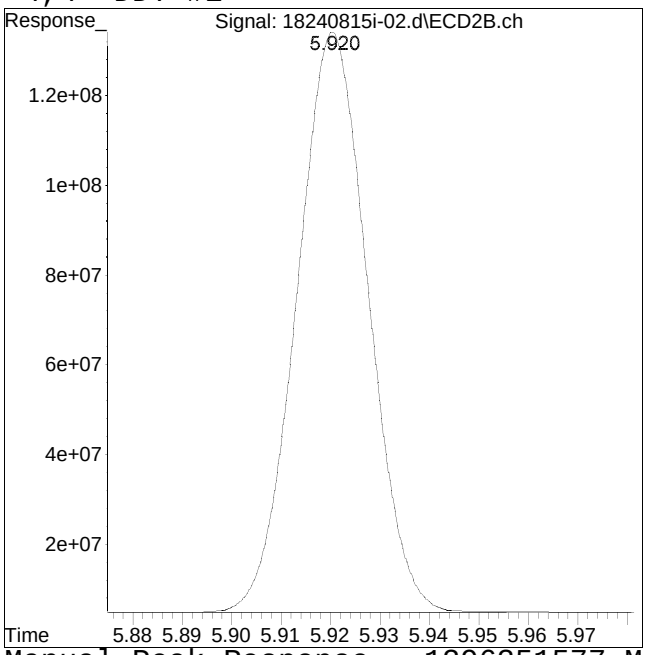
Original Peak Response = 2355320152 Manual Peak Response = 2272923757 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #59: 4,4'-DDT #2



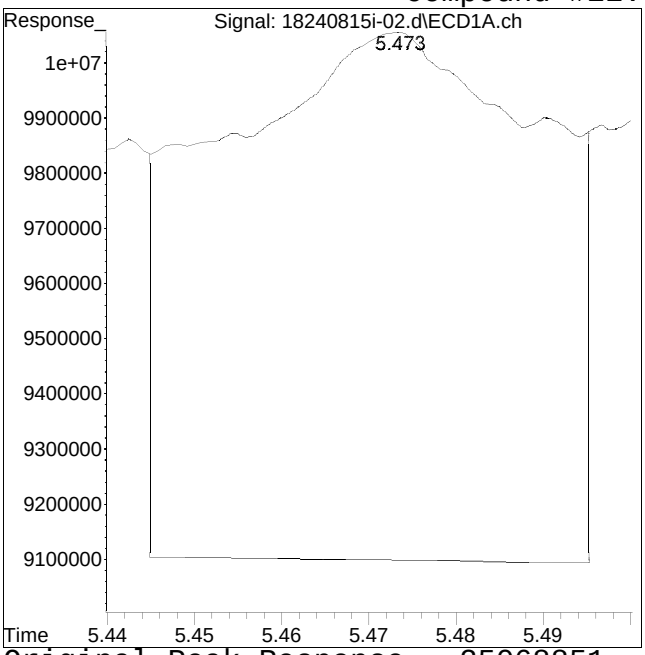


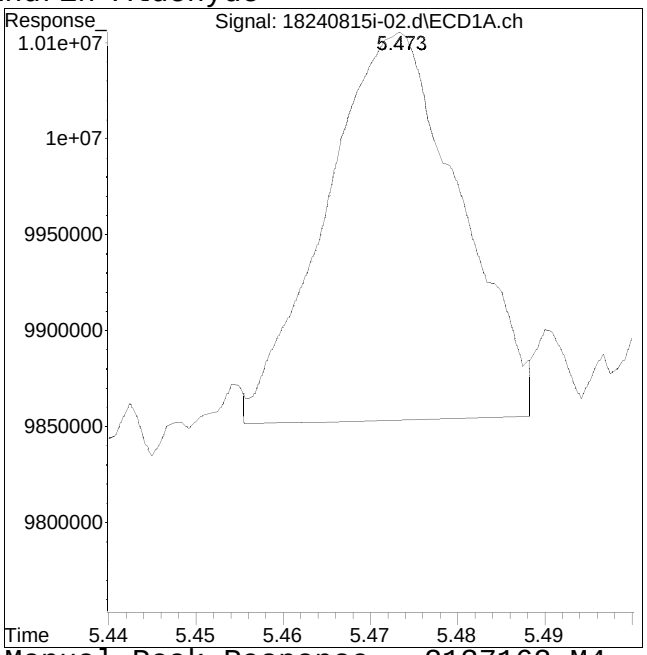
Original Peak Response = 1303121290 Manual Peak Response = 1296351577 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #22: Endrin Aldehyde



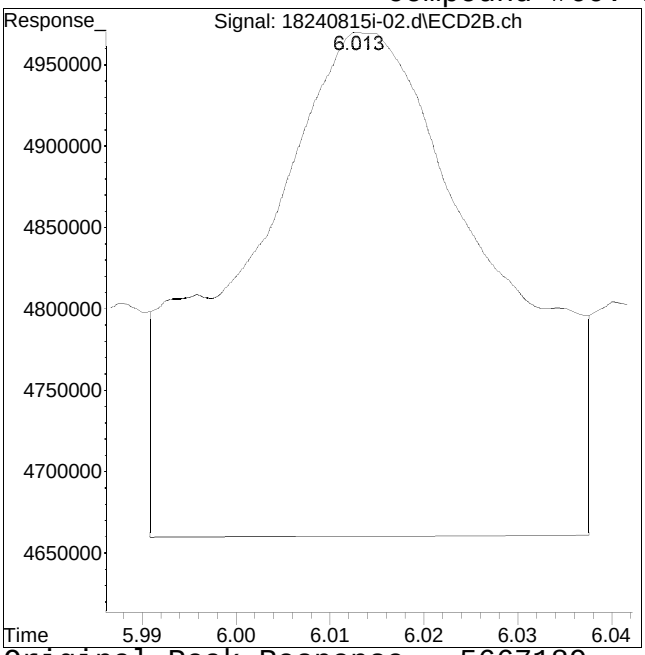


Original Peak Response = 25068851 Manual Peak Response = 2137162 M4
M4 = Poor automated baseline construction.

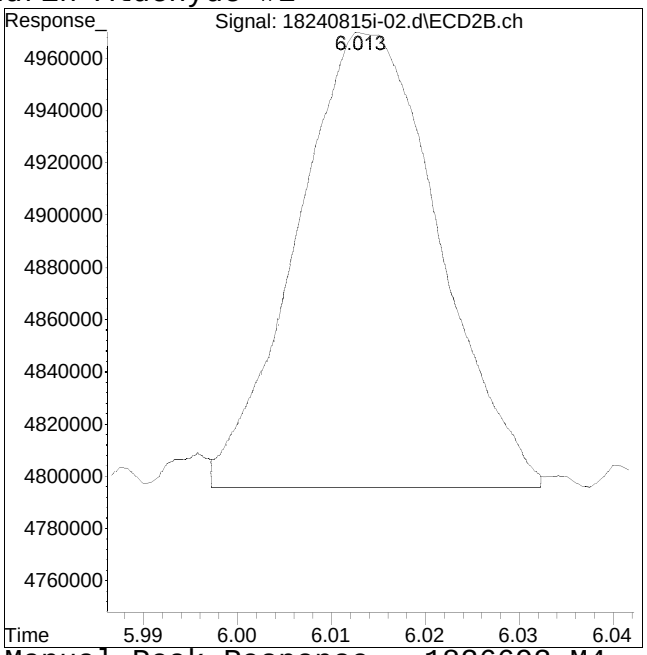
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-02.d
Date Inj'd : 8/15/2024 13:54
Sample : pem18240815i-01,42e,,pp 11
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 10:55 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 5667189



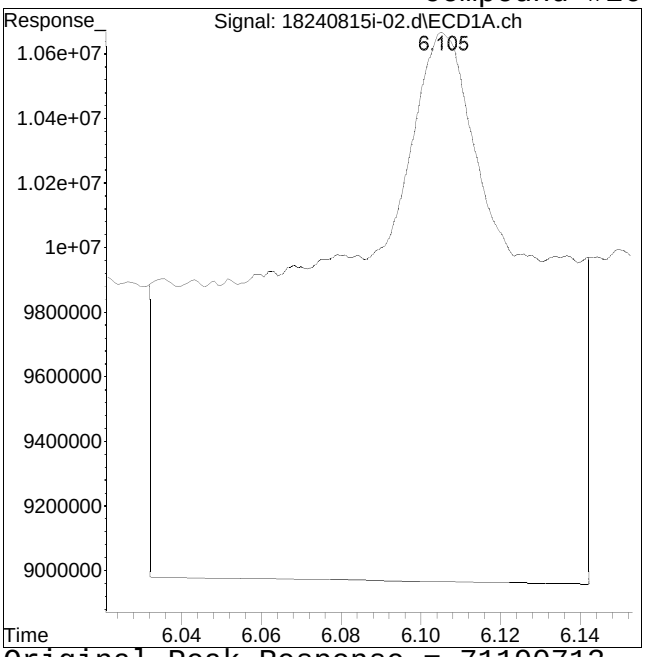
Manual Peak Response = 1826693 M4

M4 = Poor automated baseline construction.

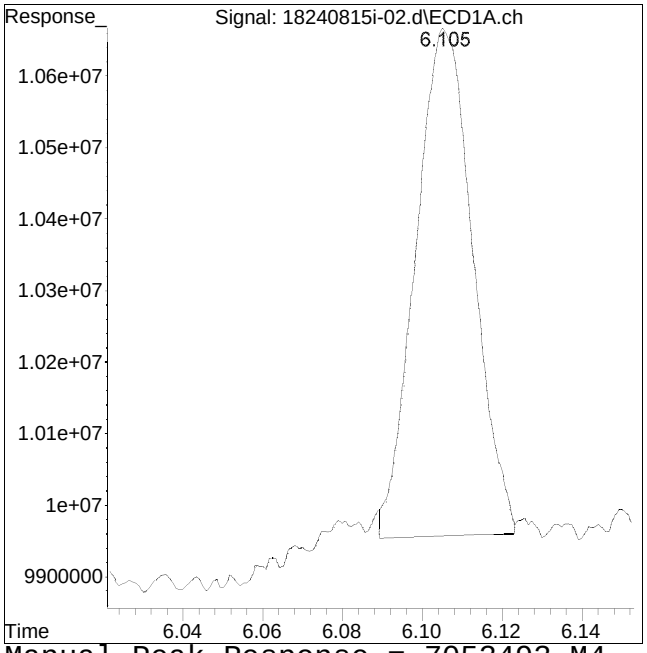
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #26: Endrin Ketone



Original Peak Response = 71190713



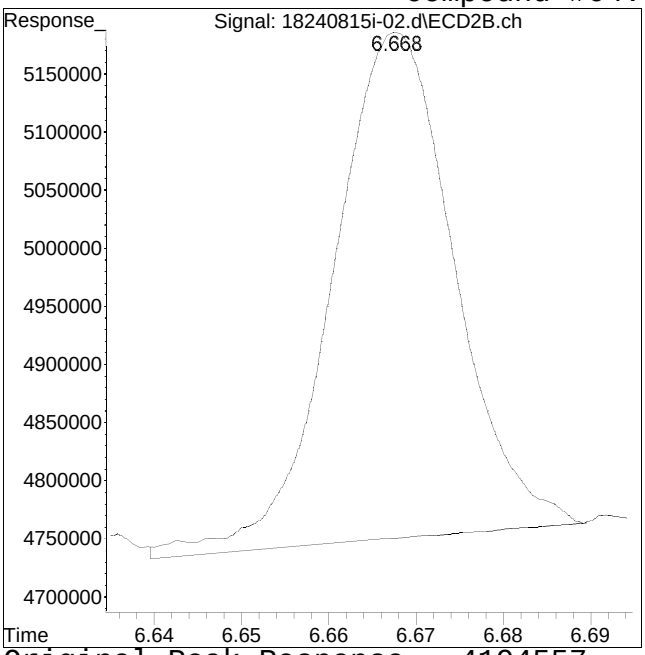
Manual Peak Response = 7053493 M4

M4 = Poor automated baseline construction.

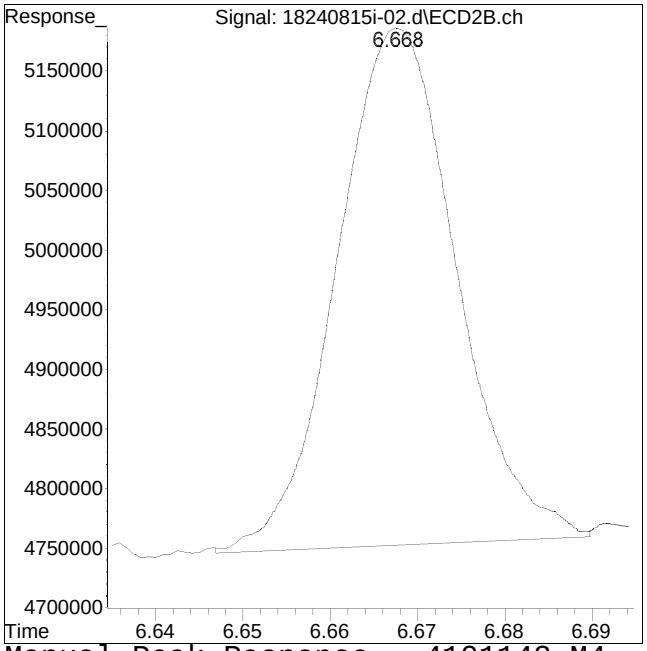
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-02.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 13:54 Instrument : Pest 18
Sample : pem18240815i-01,42e,,pp 11Quant Date : 8/16/2024 10:55 am

Compound #64: Endrin Ketone #2



Original Peak Response = 4194557



Manual Peak Response = 4101142 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:05
Operator : PEST18:peg
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:51:03 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:50:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.683	1.784	501.3E6	296.6E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	2.689	3.083	16041412	10005226	0.576M4	0.574M4
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:05
Operator : PEST18:peg
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:51:03 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:50:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22)		Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

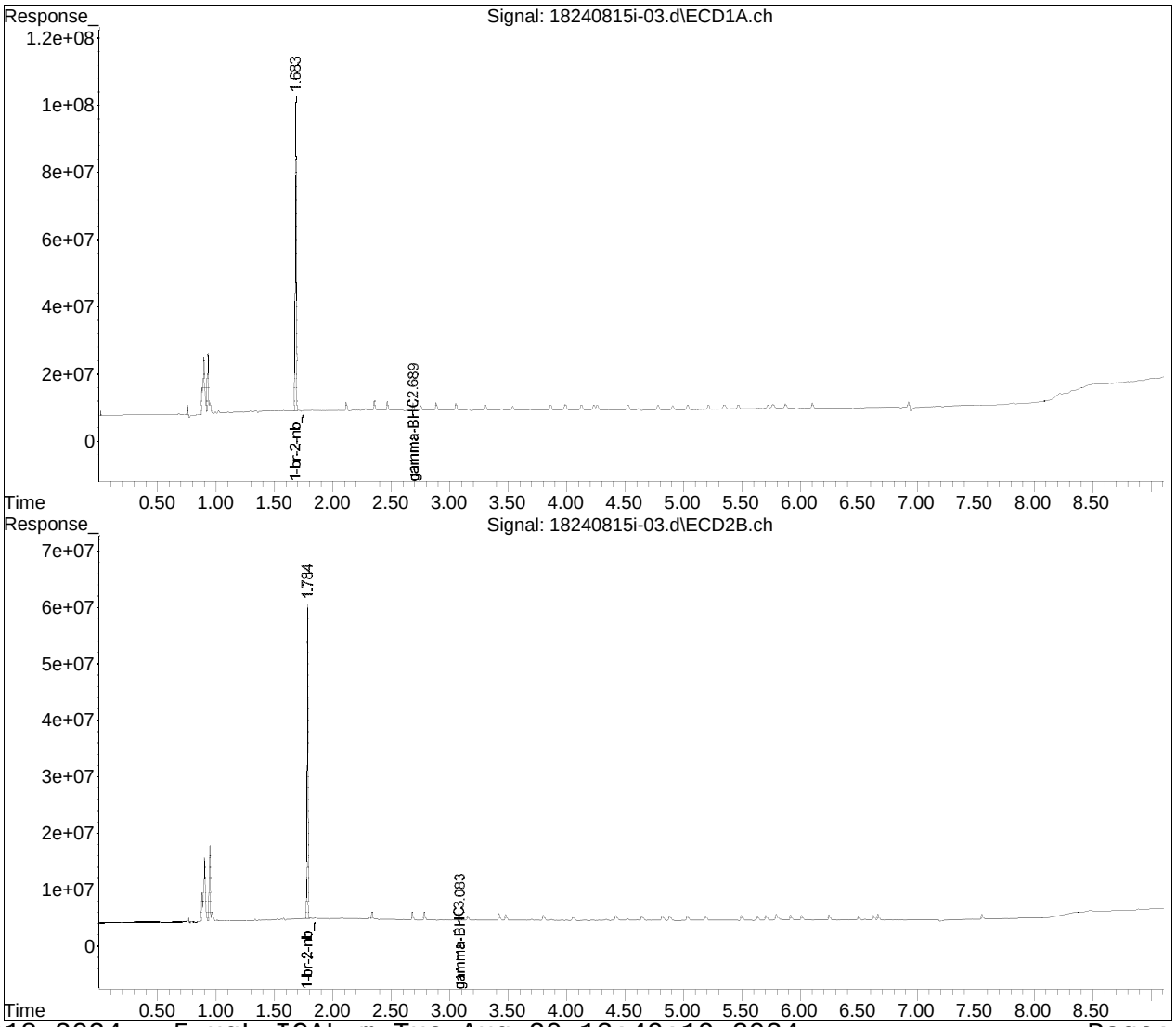
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:05
Operator : PEST18:peg
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:51:03 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:50:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

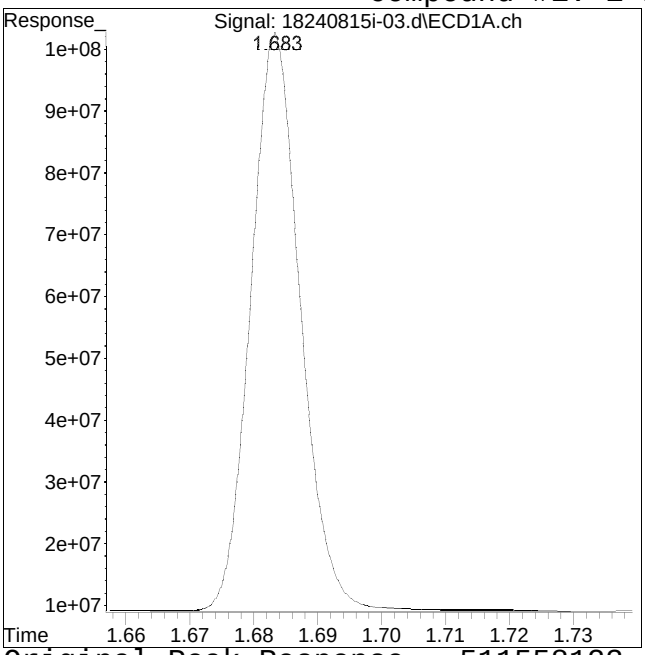


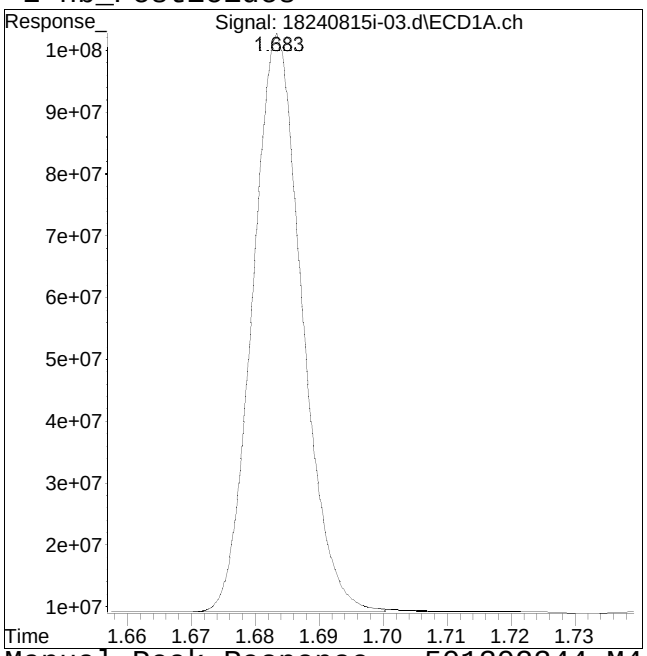
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-03.d
Date Inj'd : 8/15/2024 14:05
Sample : il1pest,42e,,pp 11687 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:51 am

Compound #1: 1-br-2-nb_Pesticides



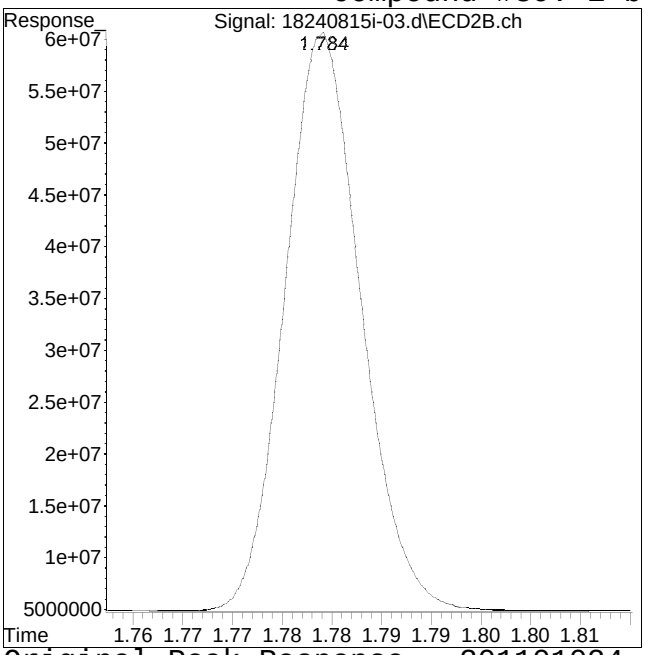


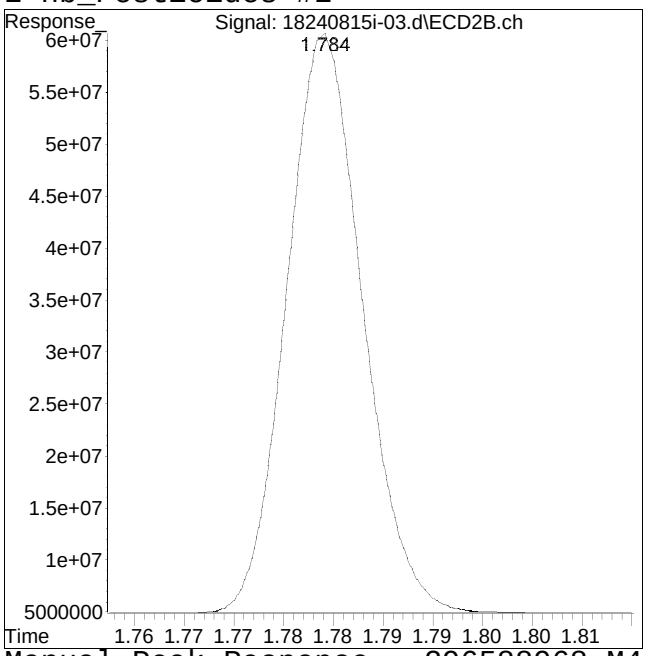
Original Peak Response = 511558123 Manual Peak Response = 501302344 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-03.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:05 Instrument : Pest 18
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 8/16/2024 7:51 am

Compound #39: 1-br-2-nb_Pesticides #2



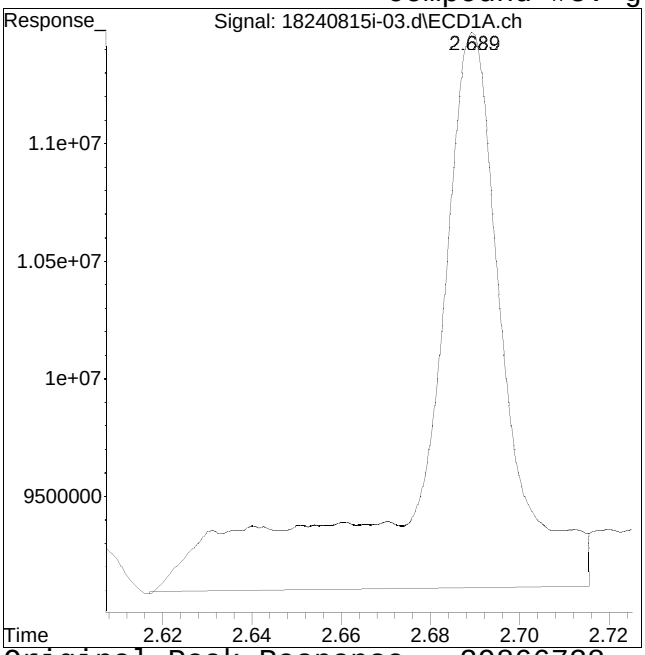


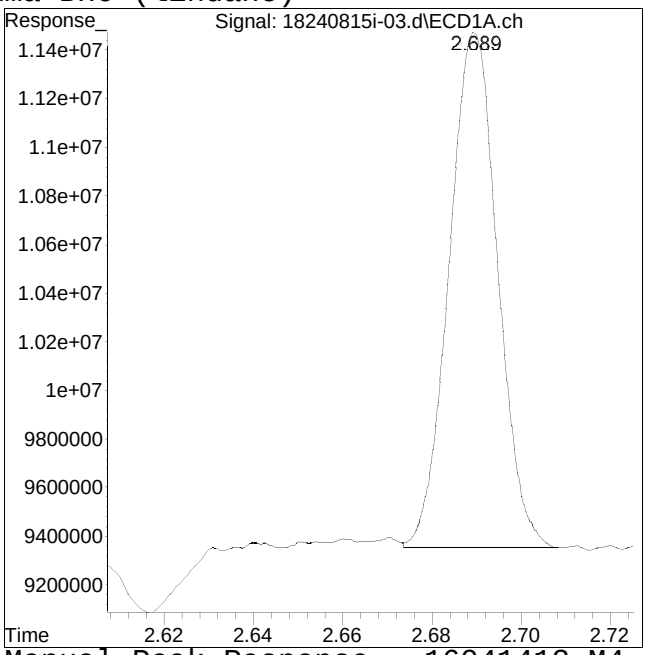
Original Peak Response = 301101024 Manual Peak Response = 296588968 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-03.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:05 Instrument : Pest 18
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 8/16/2024 7:51 am

Compound #5: gamma-BHC (lindane)



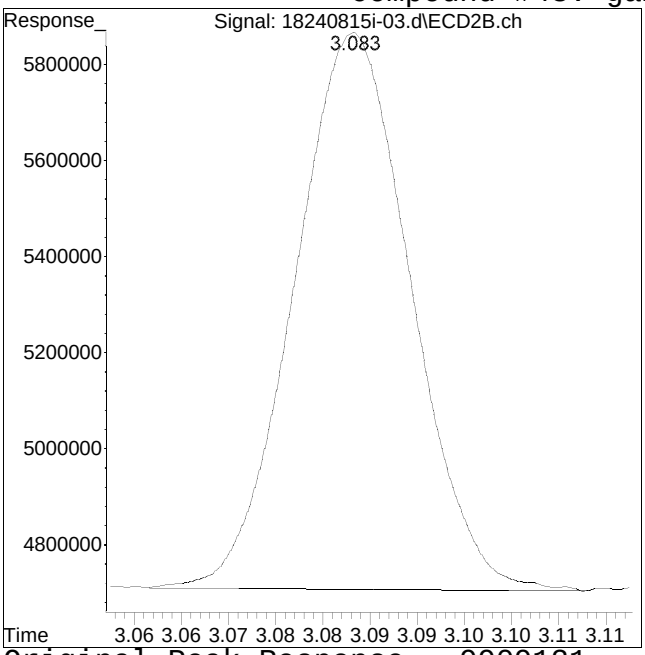


Original Peak Response = 29866738 Manual Peak Response = 16041412 M4
M4 = Poor automated baseline construction.

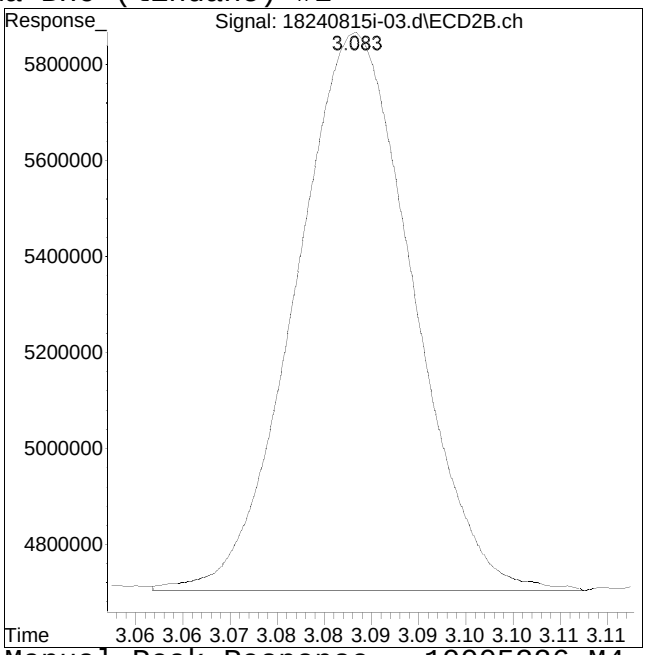
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-03.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:05 Instrument : Pest 18
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 8/16/2024 7:51 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 9909121



Manual Peak Response = 10005226 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:16
Operator : PEST18:peg
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:54:41 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:54:33 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.683	1.784	546.0E6	320.4E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.117	2.340	28638187	16057214	1.075M4	1.063M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		2.15%#	2.13%#
27)	s	Decachlorobi	6.923	7.554	42744337	13852755	1.305M4	1.134
		Spiked Amount 50.000	Range 30 - 150		Recovery =		2.61%#	2.27%#
		Target Compounds						
3)		Hexachlorobe	2.358	2.684	35297380	18119452	1.129M4	1.122
4)		alpha-BHC	2.469	2.786	33921849	19367418	1.015M4	0.963M4
5)		gamma-BHC (l	2.689	3.083	31329137	18469487	1.022M4	0.986M4
6)		beta-BHC	2.753	3.156	16240443	9786288	1.165M4	1.124M4
7)		delta-BHC	2.885	3.426	31864963	18586318	1.039M4	1.004
8)		Heptachlor	3.054	3.484	31871513	17765825	1.110M4	1.052
9)		Aldrin	3.304	3.804	29411641	16794814	1.049M4	1.003
10)		Alachlor	3.443	3.700	4790680	2726720	1.171M4	1.113
11)		Chlorpyrifos	3.537	4.056	15613094	9880277	1.185M4	1.193M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:16
Operator : PEST18:peg
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:54:41 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:54:33 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	3.862	4.424	26895792	17352148	1.061M4	1.086M4
13)		gamma-Chlord	3.989	4.646	27868860	15045957	1.119M4	1.033M4
14)		alpha-Chlord	4.126	4.821	29848243	16960965	1.074M4	1.043M4
15)		4,4'-DDE	4.231	5.035	27192752	15677694	0.982M4	0.982
16)		Endosulfan I	4.260	4.883	26787338	15741930	1.078M4	1.053M4
17)		Dieldrin	4.523	5.190	28505029	15503433	1.080M4	1.012
18)		Endrin	4.780	5.499	28136089	16176535	1.065M4	1.054
19)		4,4'-DDD	4.905	5.634	22321187	13113360	1.041M4	1.048
20)		Endosulfan I	5.033	5.706	25917064	14669880	1.082M4	1.068M4
21)		4,4'-DDT	5.211	5.918	25086273	14055531	1.038M4	1.025M4
22)		Endrin Aldeh	5.467	6.013	21254957	12707091	1.054M4	1.097M4
23)		Methoxychlor	5.719	6.499	16027376	9389244	1.167M4	1.213M4
24)		Mirex	5.765	6.626	27354740	13584501	1.257M4	1.174
25)		Endosulfan S	5.870	6.247	25344452	14240173	1.068M4	1.077
26)		Endrin Keton	6.101	6.666	29588023	15375827	1.114M4	1.075
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:16
Operator : PEST18:peg
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:54:41 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:54:33 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

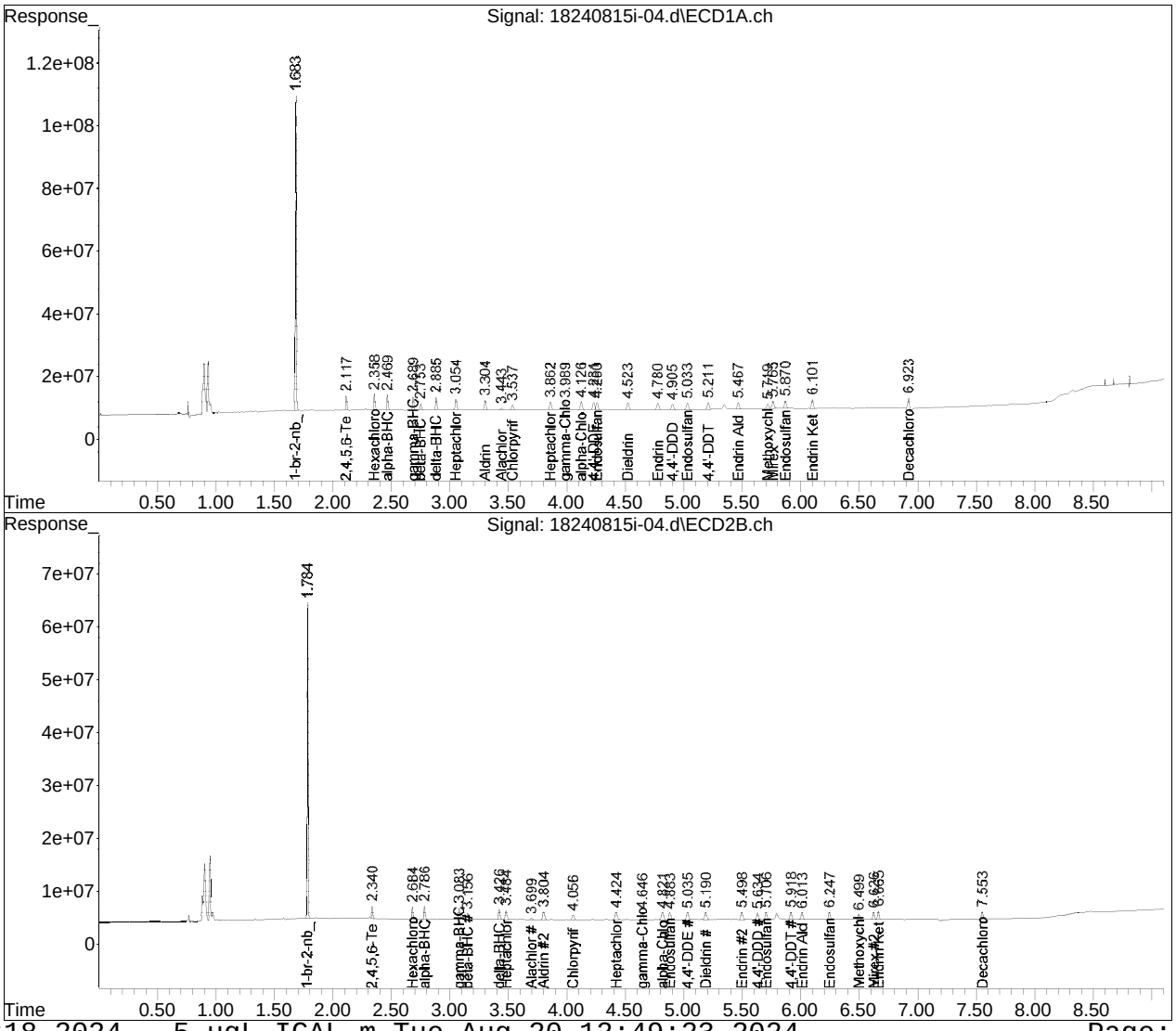
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:16
Operator : PEST18:peg
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:54:41 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:54:33 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

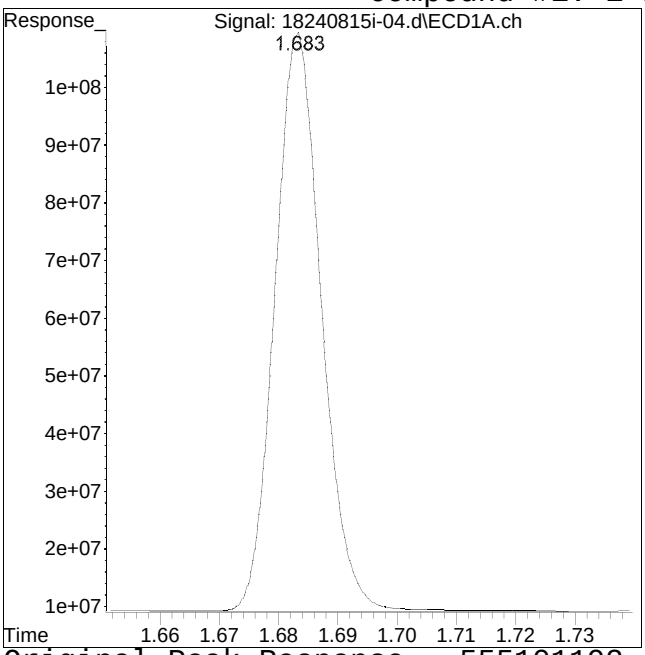


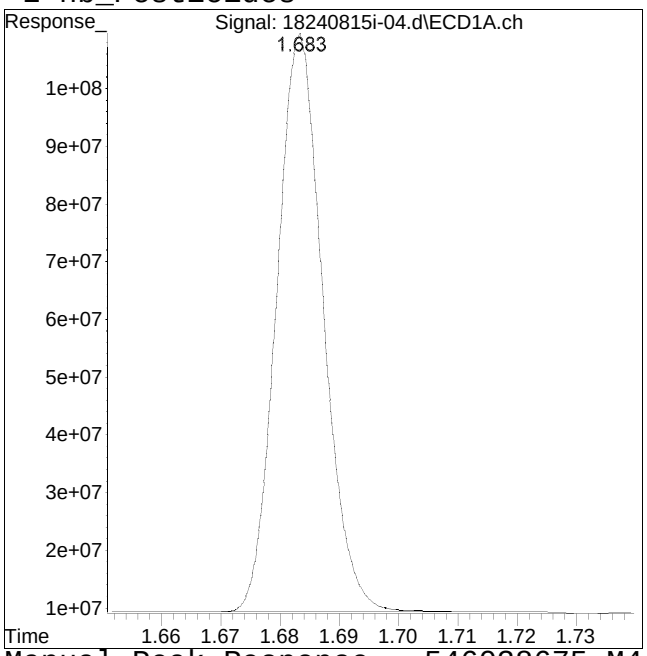
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-04.d
Date Inj'd : 8/15/2024 14:16
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 8:54 am

Compound #1: 1-br-2-nb_Pesticides



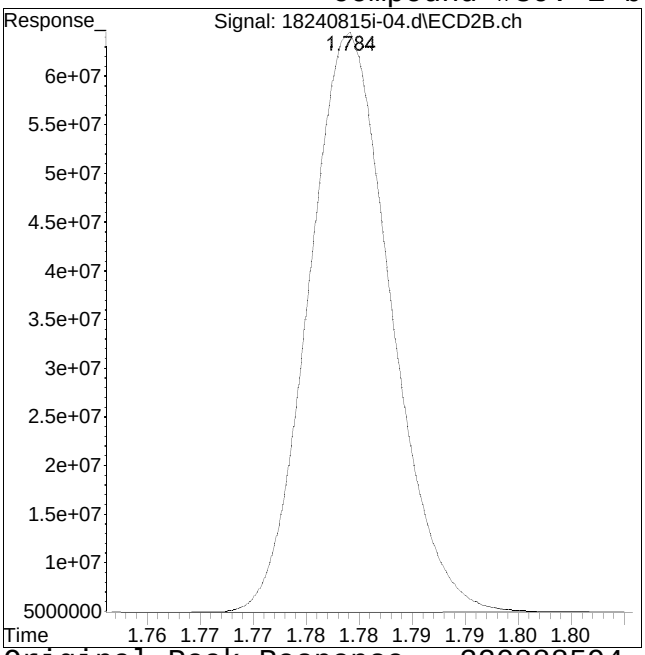


Original Peak Response = 555101192 Manual Peak Response = 546038675 M4
M4 = Poor automated baseline construction.

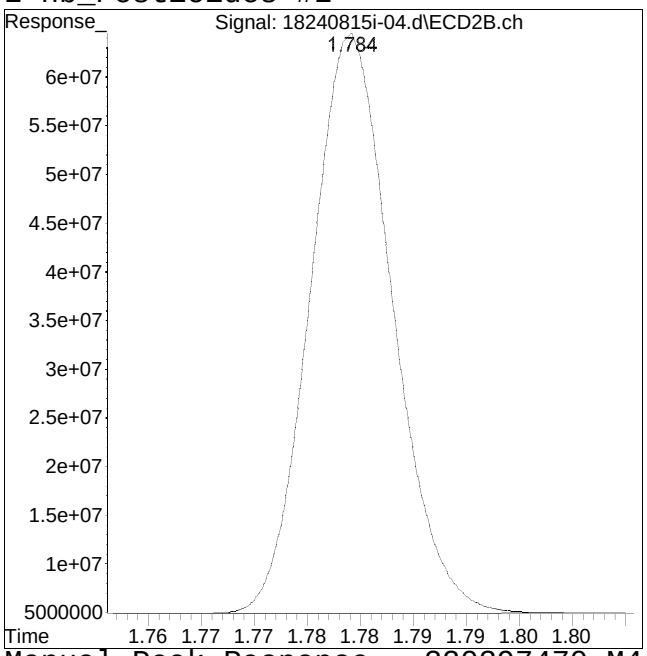
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 320888594



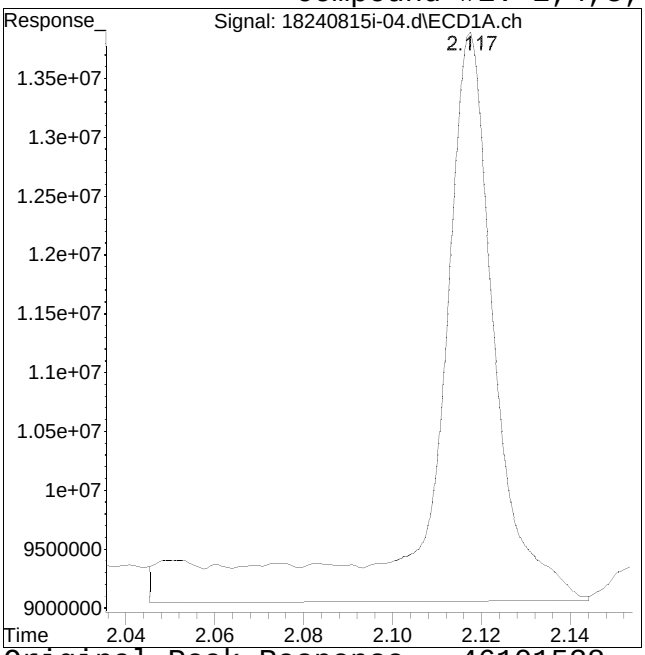
Manual Peak Response = 320397470 M4

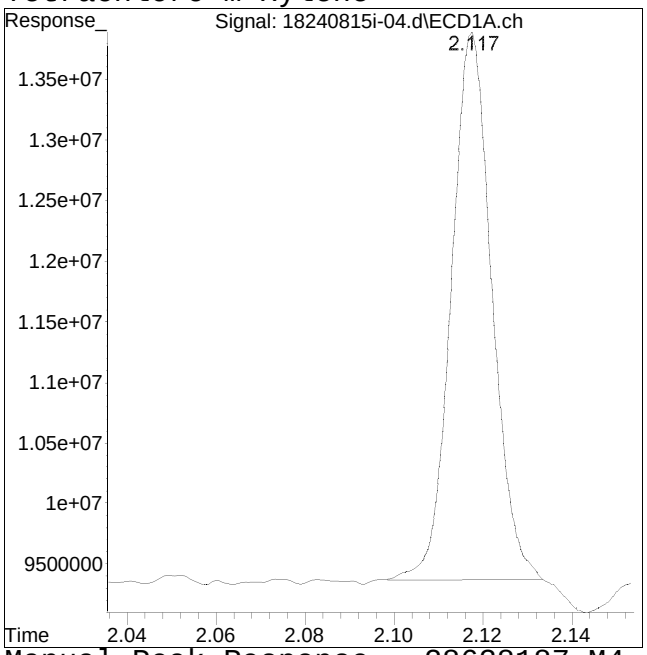
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



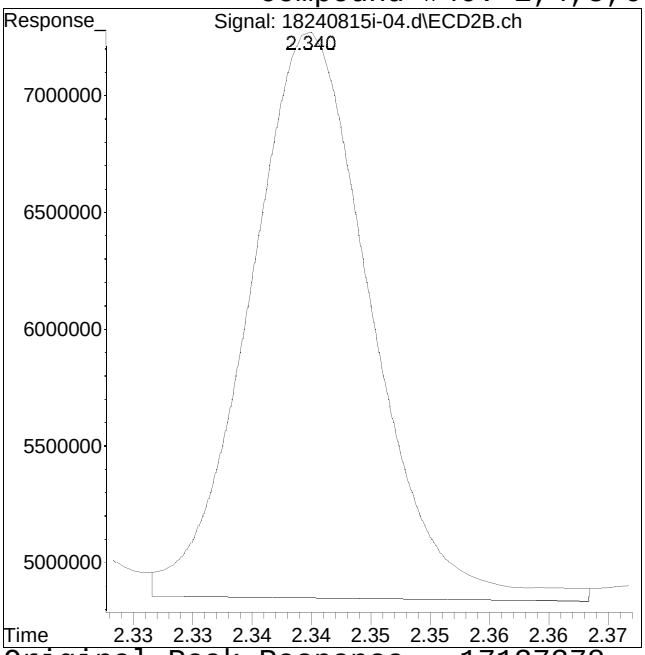


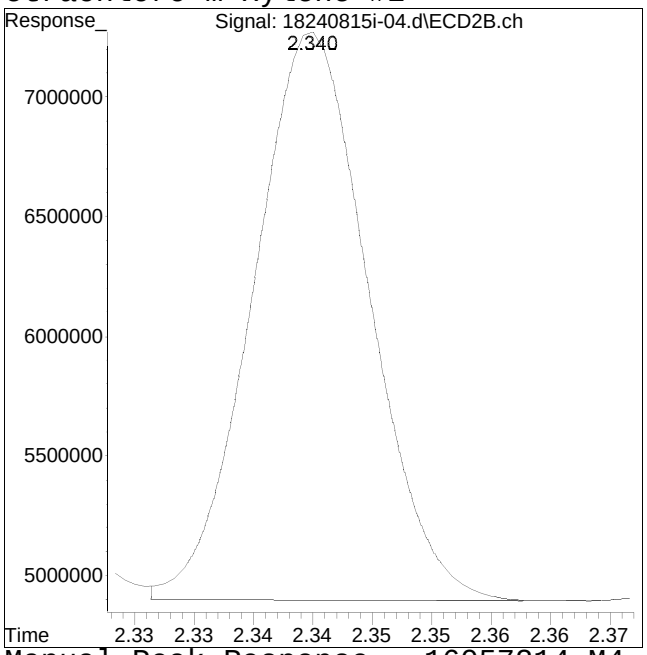
Original Peak Response = 46101538 Manual Peak Response = 28638187 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



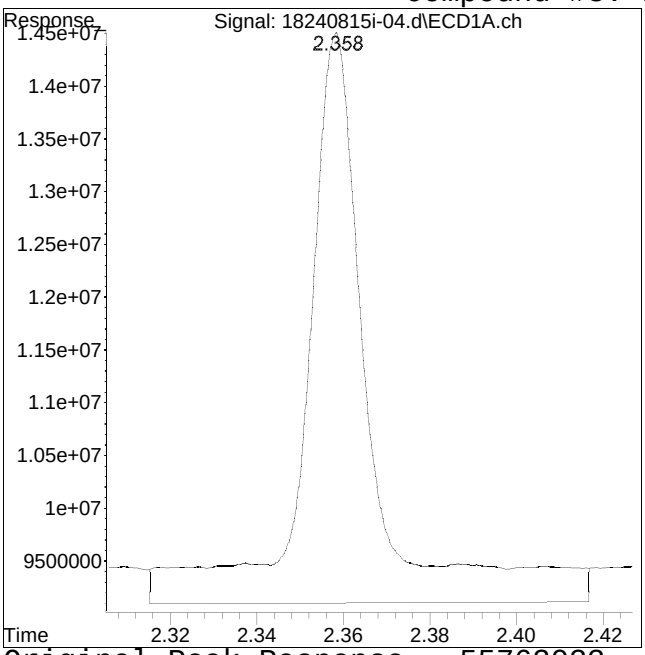


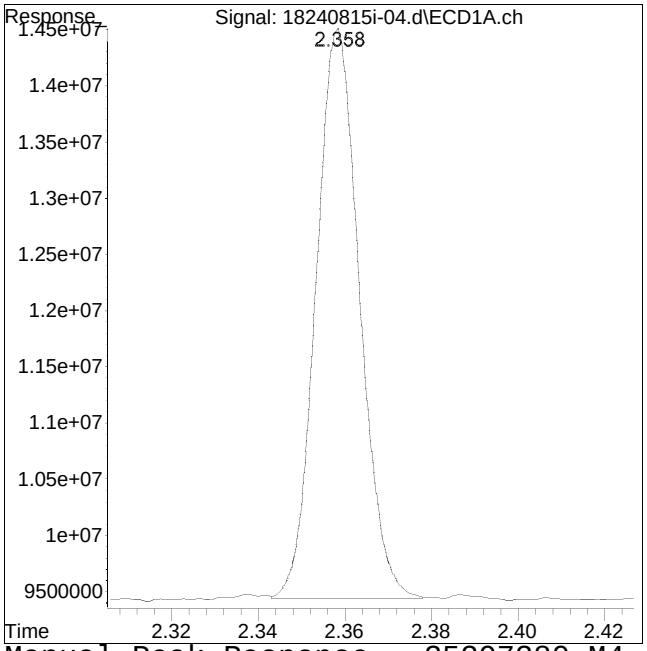
Original Peak Response = 17137378 Manual Peak Response = 16057214 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #3: Hexachlorobenzene



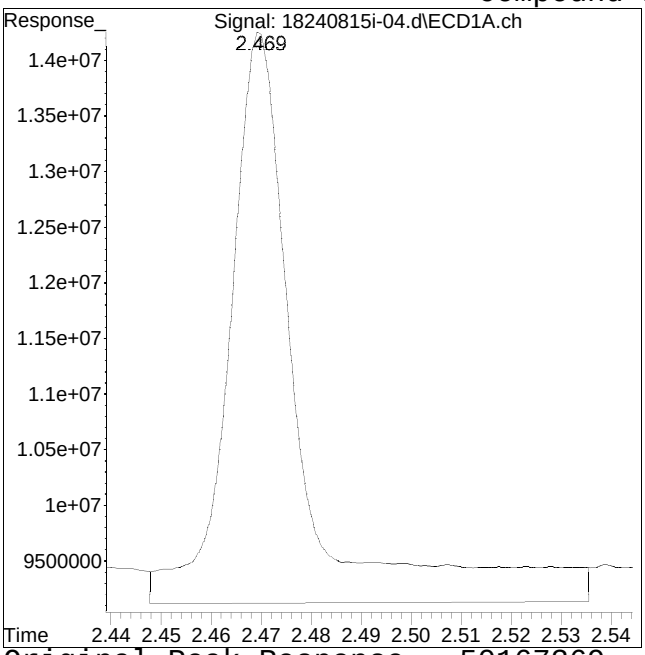


Original Peak Response = 55763033 Manual Peak Response = 35297380 M4
M4 = Poor automated baseline construction.

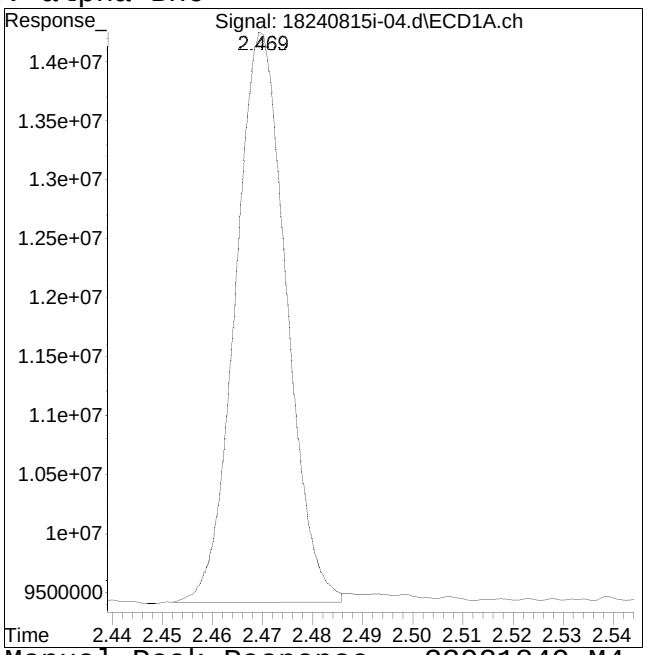
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #4: alpha-BHC



Original Peak Response = 50167369



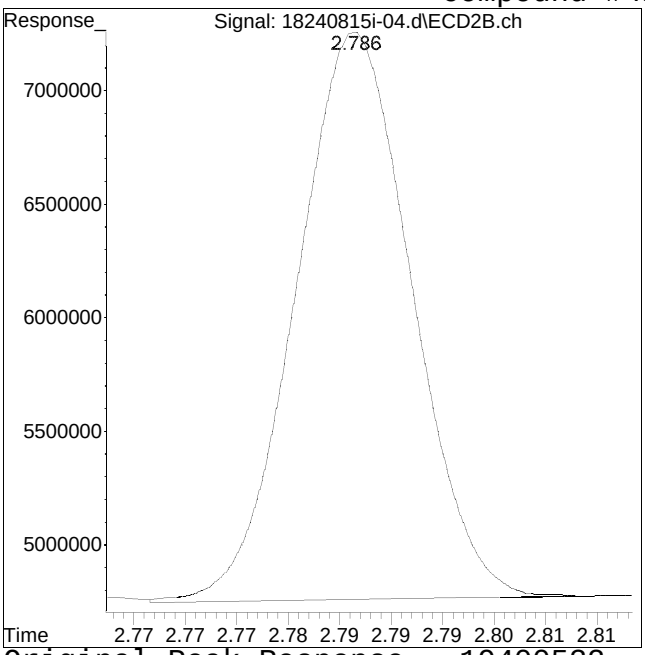
Manual Peak Response = 33921849 M4

M4 = Poor automated baseline construction.

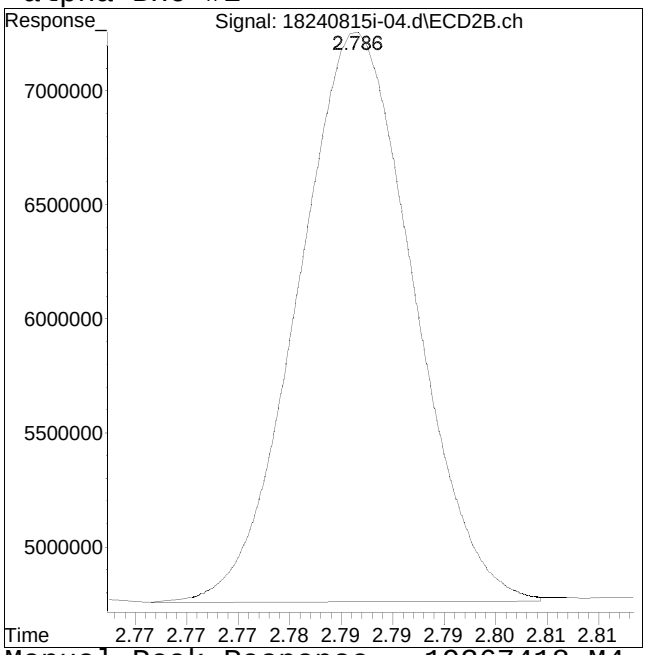
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #42: alpha-BHC #2



Original Peak Response = 19400532



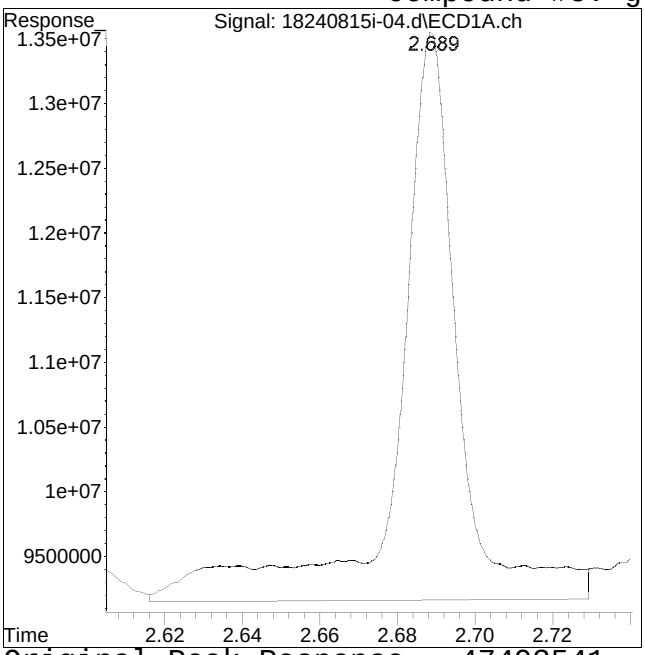
Manual Peak Response = 19367418 M4

M4 = Poor automated baseline construction.

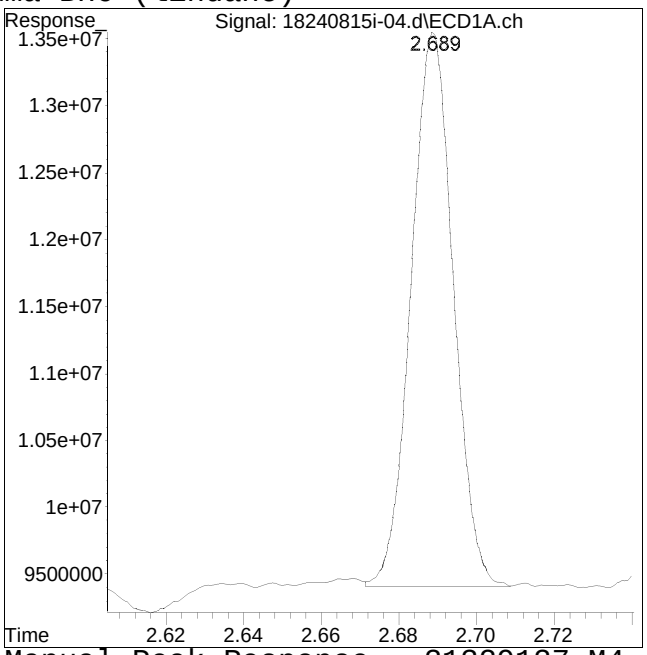
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 47493541



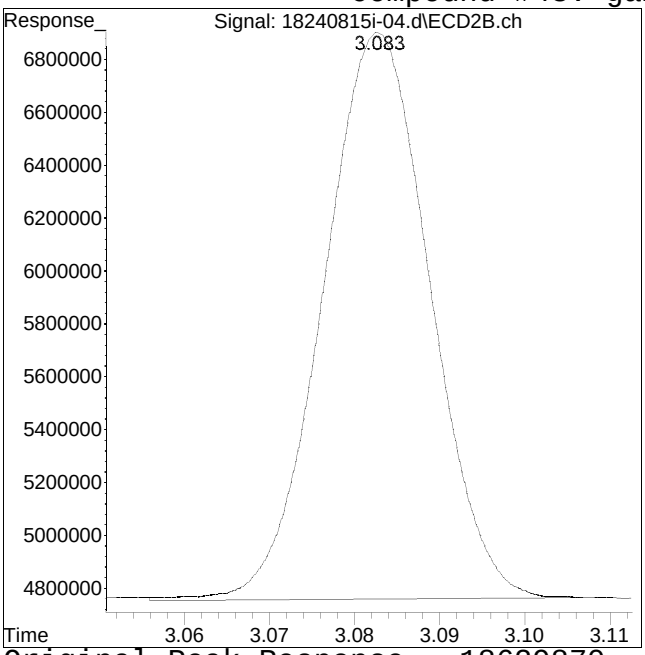
Manual Peak Response = 31329137 M4

M4 = Poor automated baseline construction.

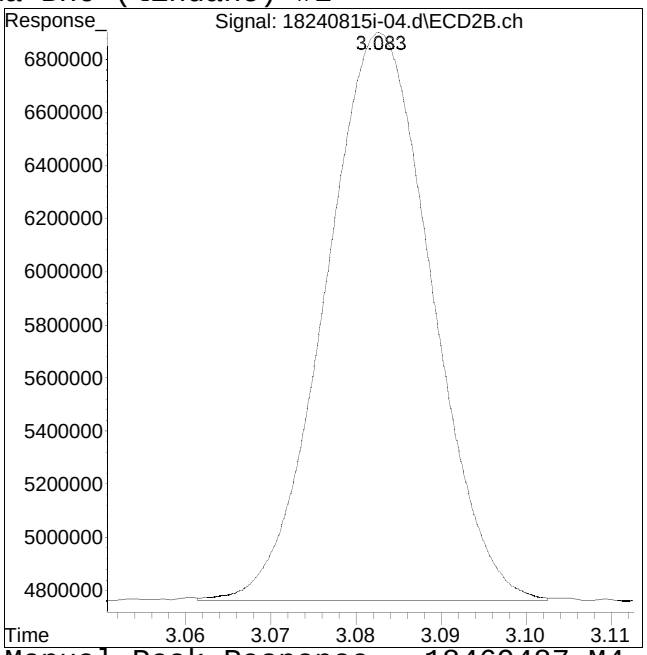
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 18629870

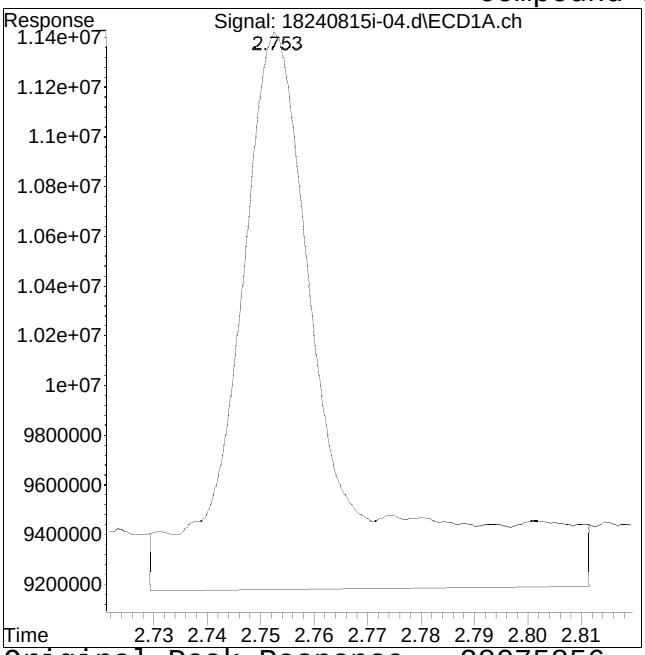


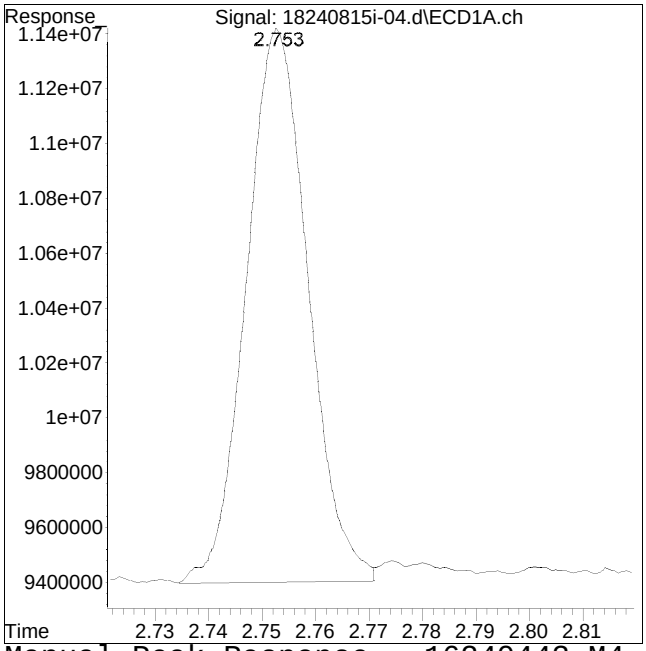
Manual Peak Response = 18469487 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #6: beta-BHC



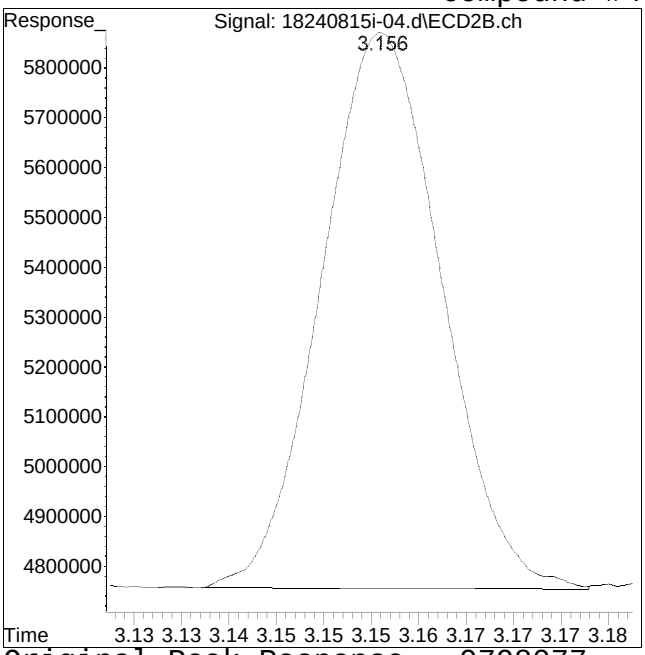


Original Peak Response = 28075856 Manual Peak Response = 16240443 M4
M4 = Poor automated baseline construction.

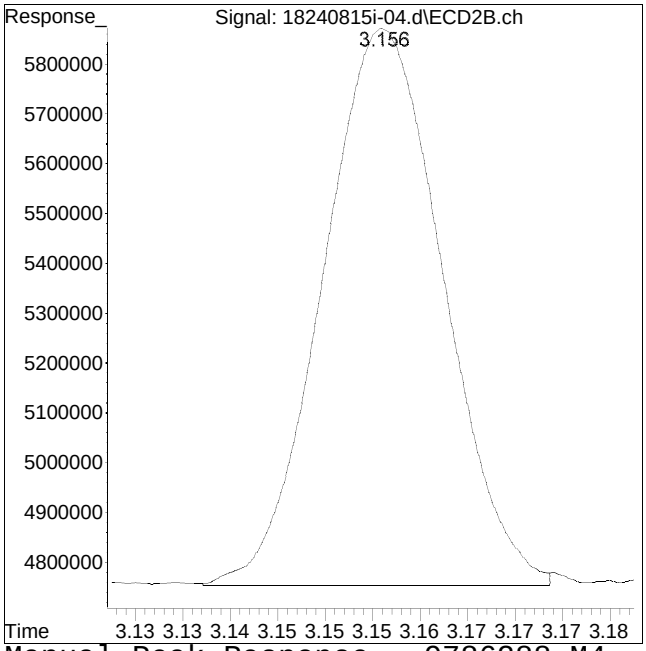
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #44: beta-BHC #2



Original Peak Response = 9798077



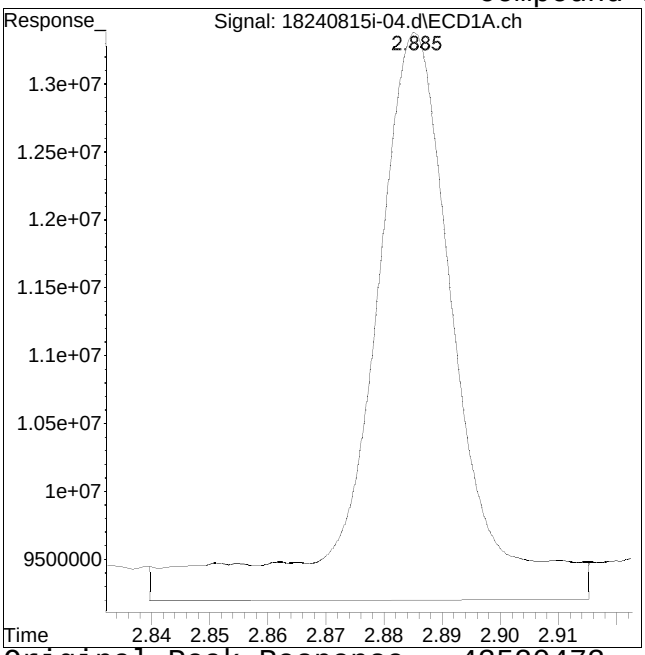
Manual Peak Response = 9786288 M4

M4 = Poor automated baseline construction.

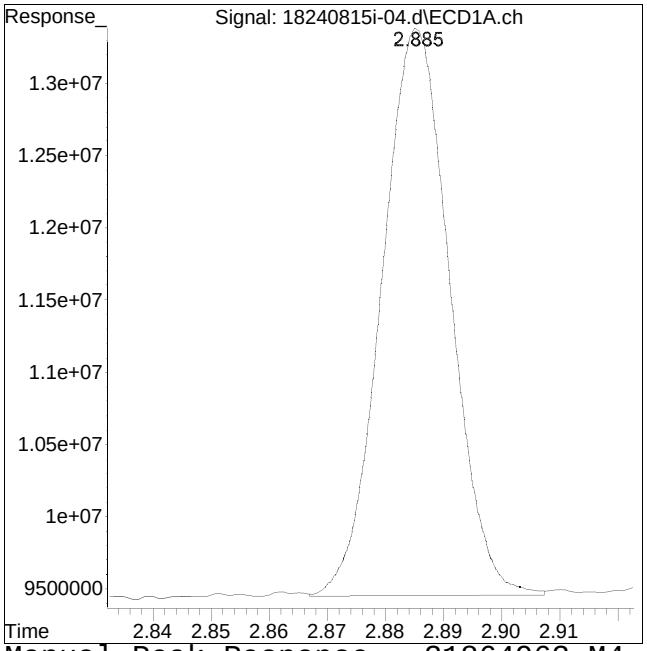
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #7: delta-BHC



Original Peak Response = 43520473



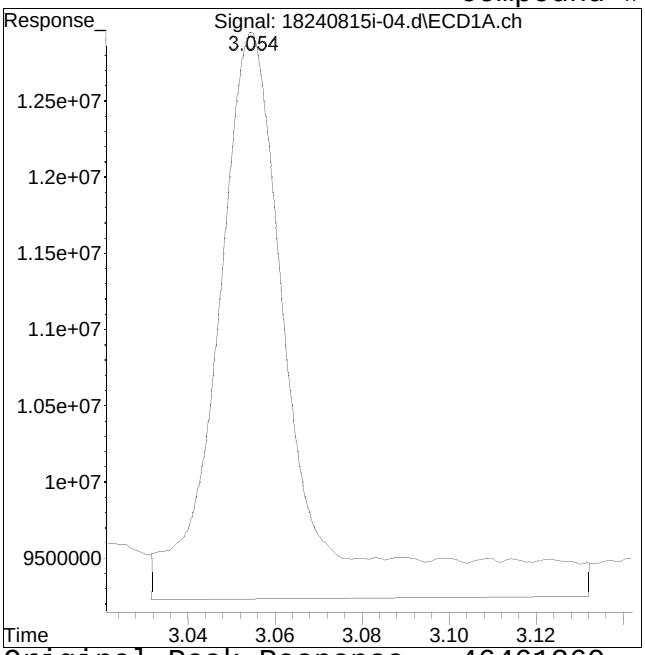
Manual Peak Response = 31864963 M4

M4 = Poor automated baseline construction.

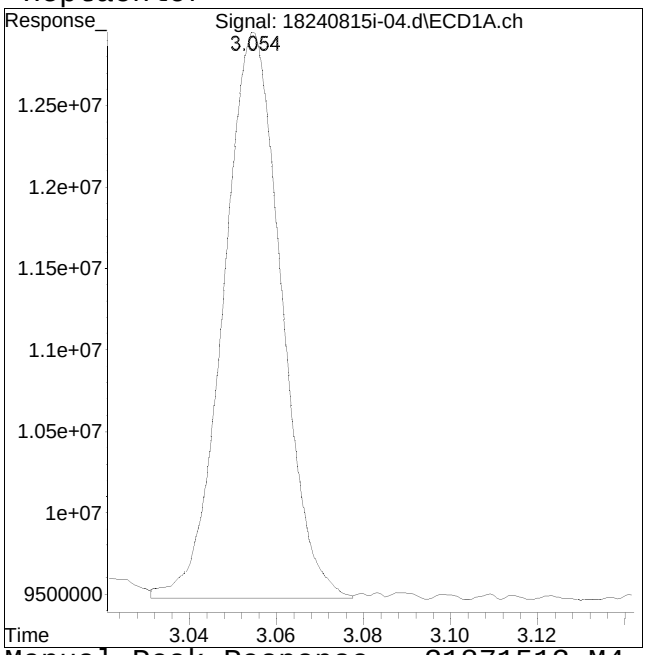
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #8: Heptachlor



Original Peak Response = 46461260

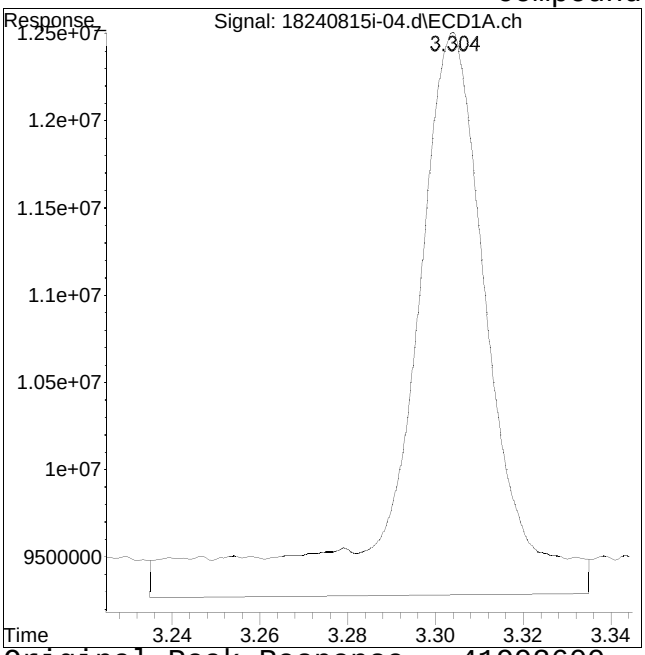


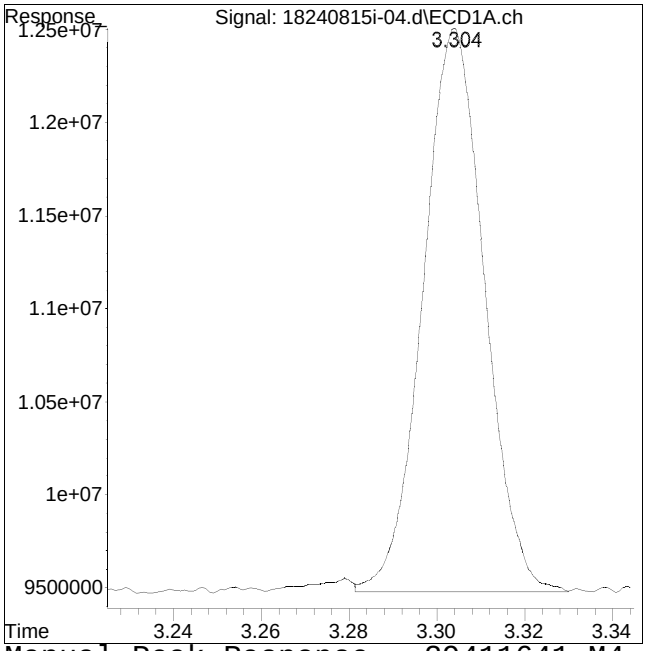
Manual Peak Response = 31871513 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #9: Aldrin



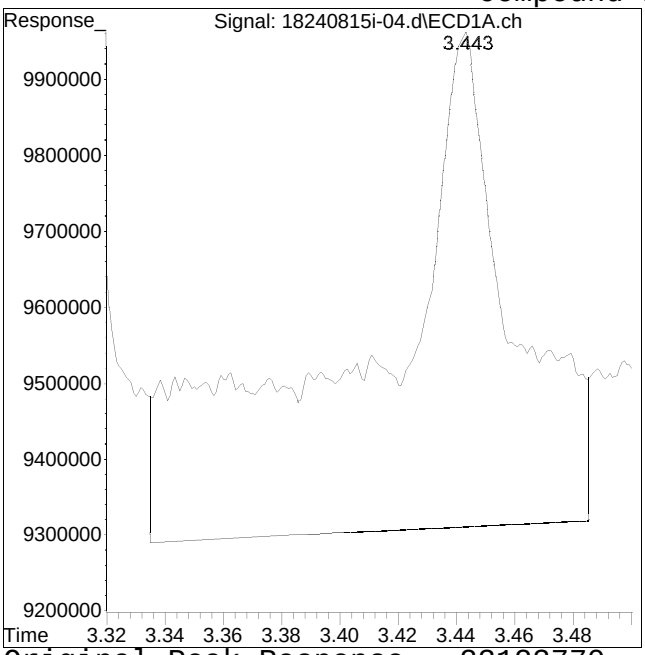


Original Peak Response = 41992600 Manual Peak Response = 29411641 M4
M4 = Poor automated baseline construction.

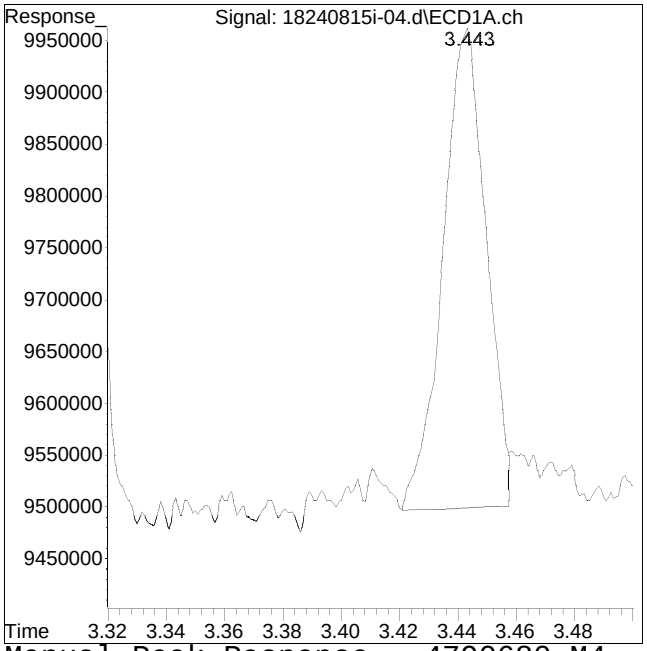
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #10: Alachlor



Original Peak Response = 23123770



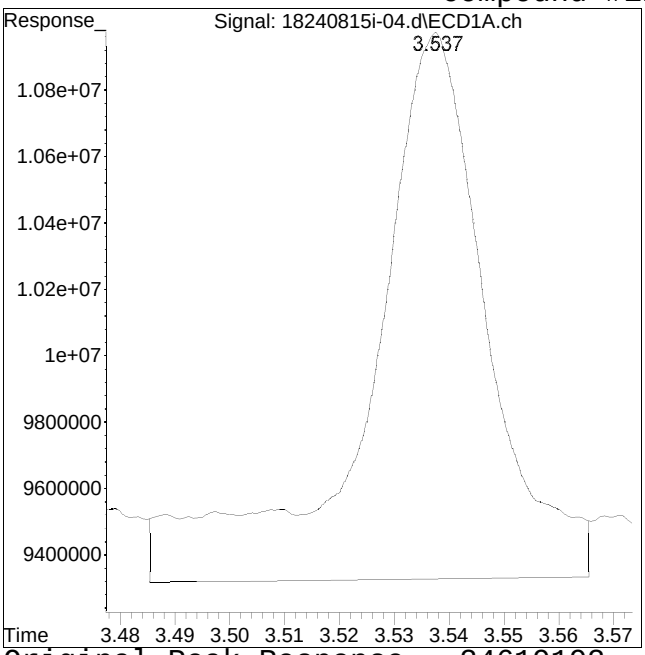
Manual Peak Response = 4790680 M4

M4 = Poor automated baseline construction.

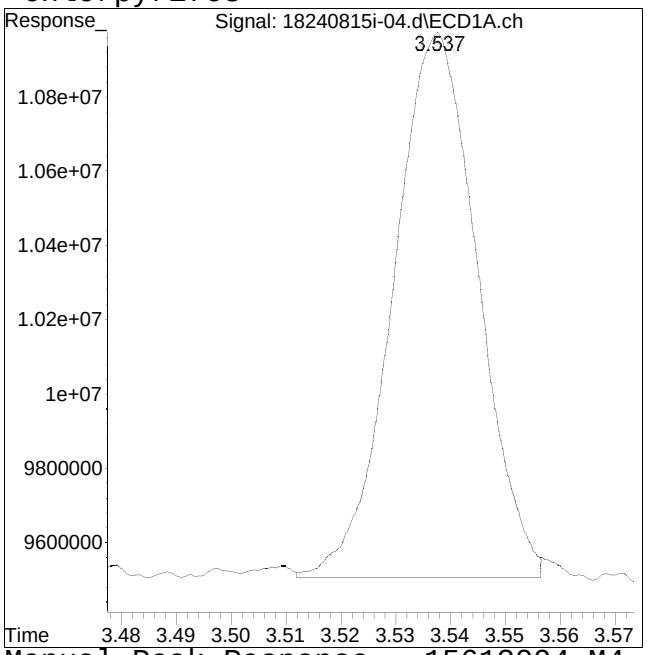
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #11: Chlorpyrifos



Original Peak Response = 24619192



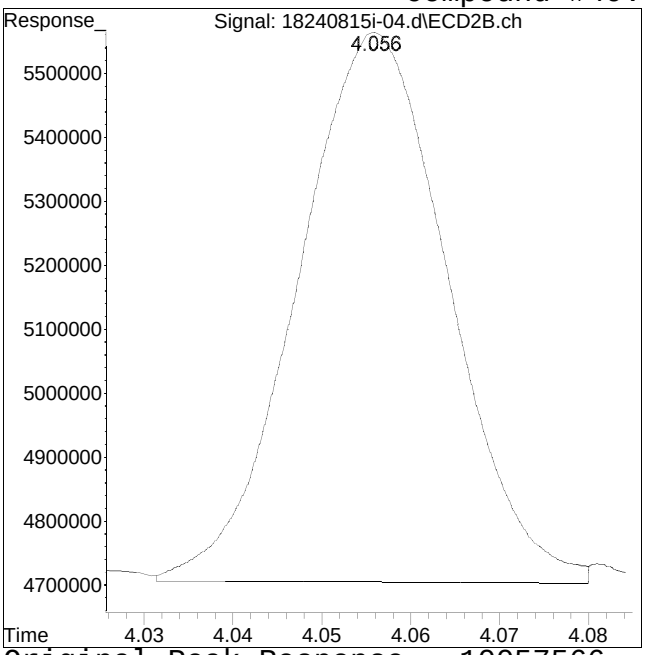
Manual Peak Response = 15613094 M4

M4 = Poor automated baseline construction.

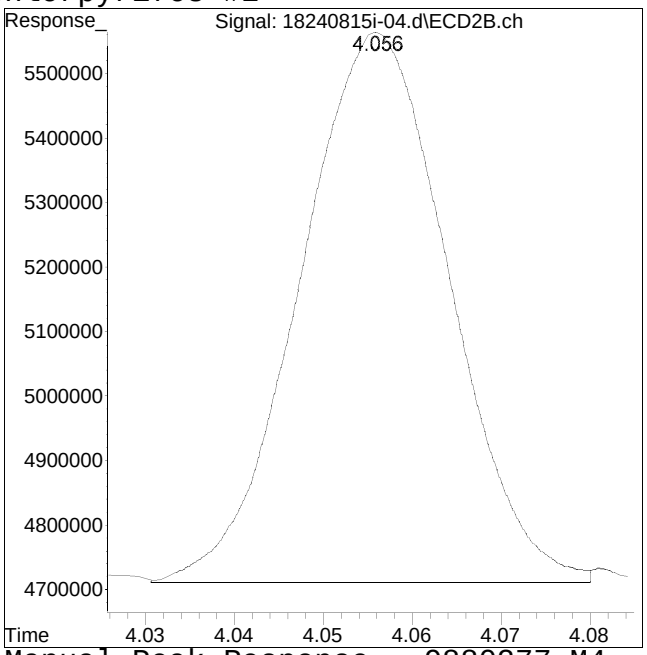
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 10057566



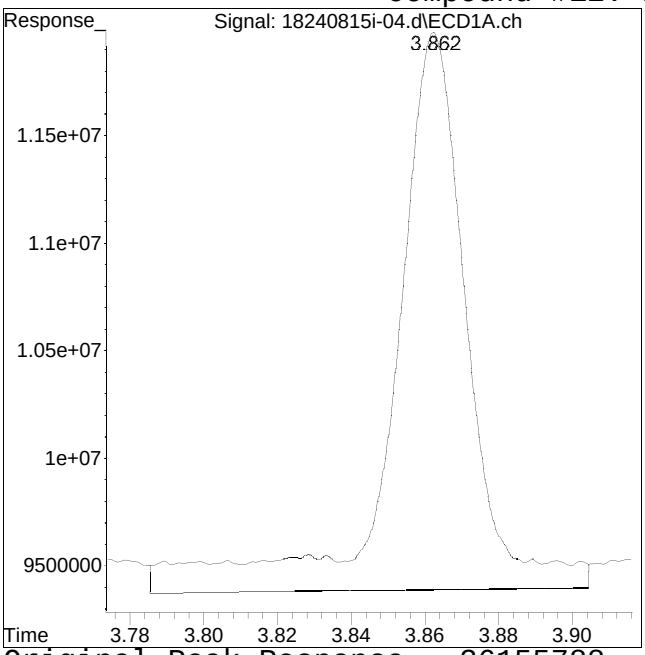
Manual Peak Response = 9880277 M4

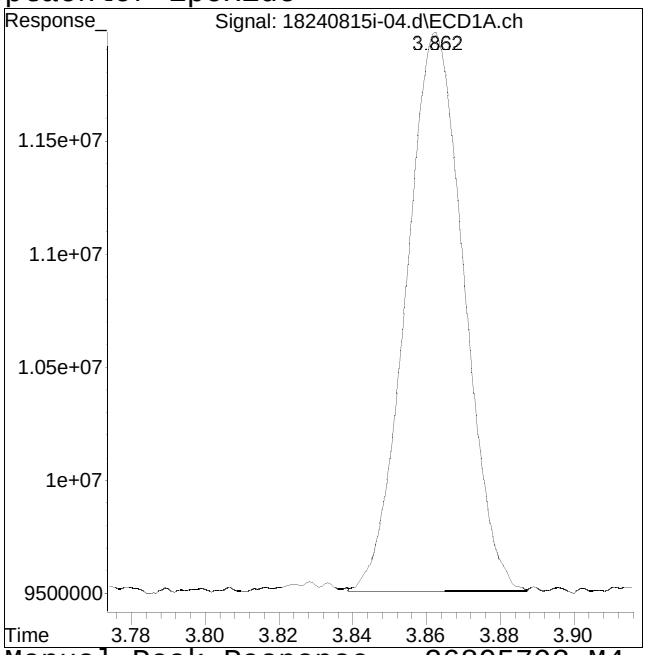
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #12: Heptachlor Epoxide



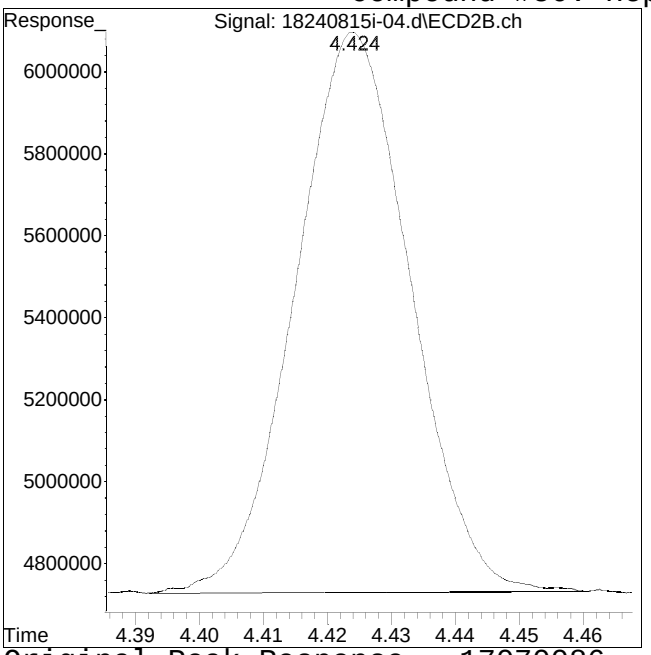


Original Peak Response = 36155788 Manual Peak Response = 26895792 M4
M4 = Poor automated baseline construction.

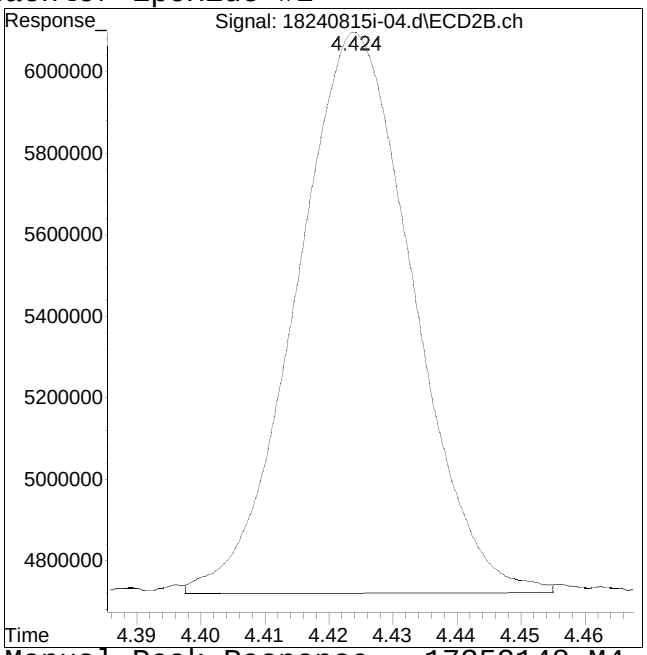
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 17070086



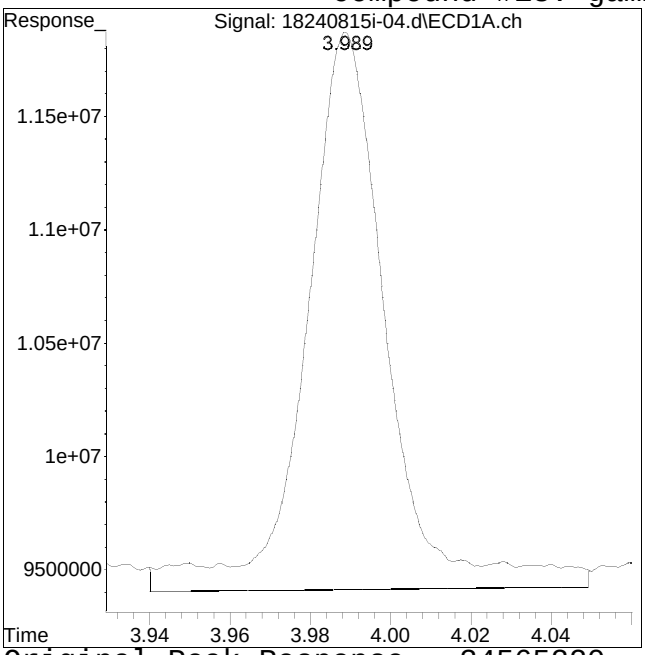
Manual Peak Response = 17352148 M4

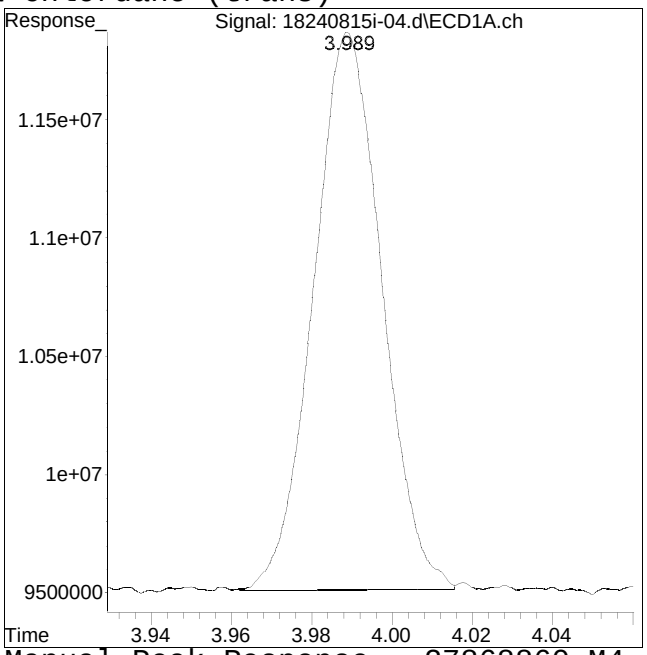
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #13: gamma-Chlordane (trans)



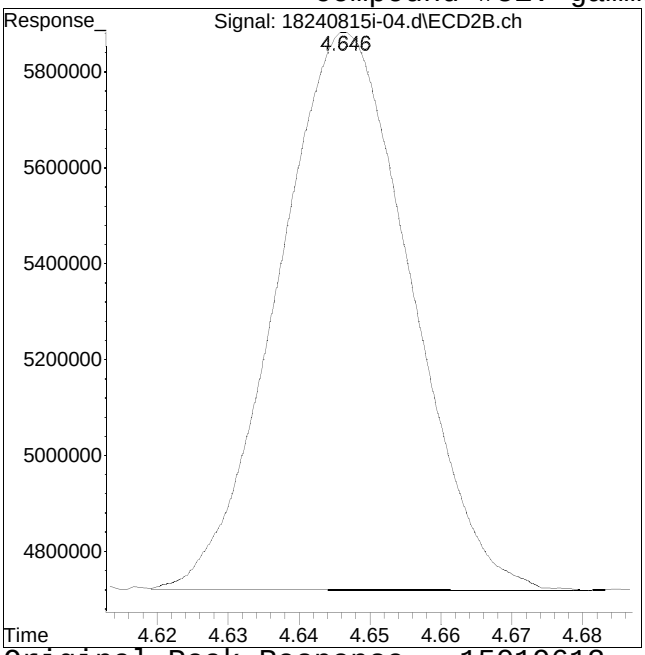


Original Peak Response = 34565220 Manual Peak Response = 27868860 M4
M4 = Poor automated baseline construction.

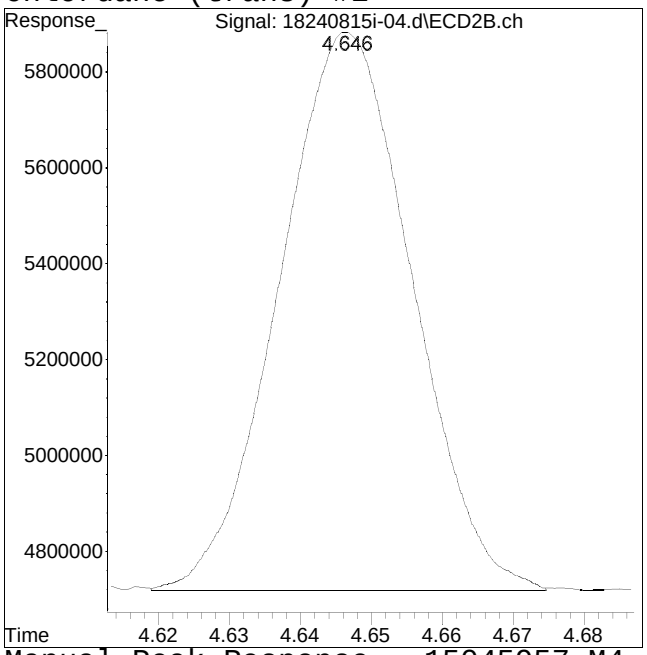
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 15019612



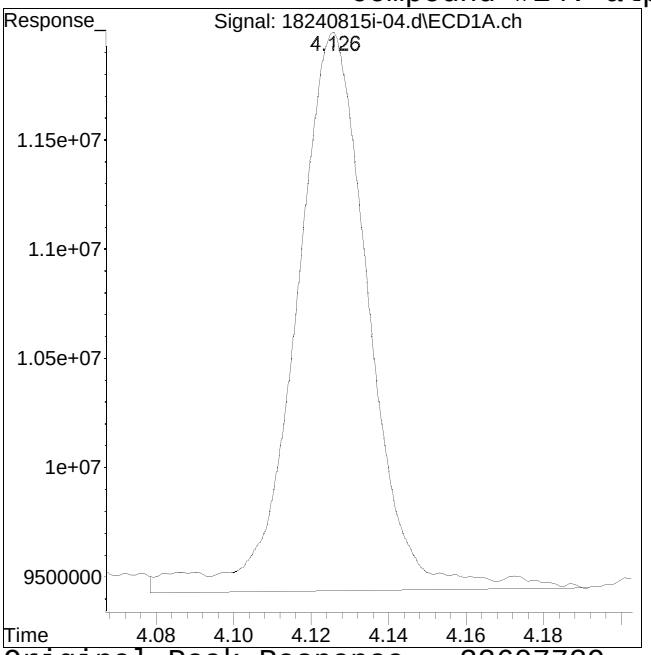
Manual Peak Response = 15045957 M4

M4 = Poor automated baseline construction.

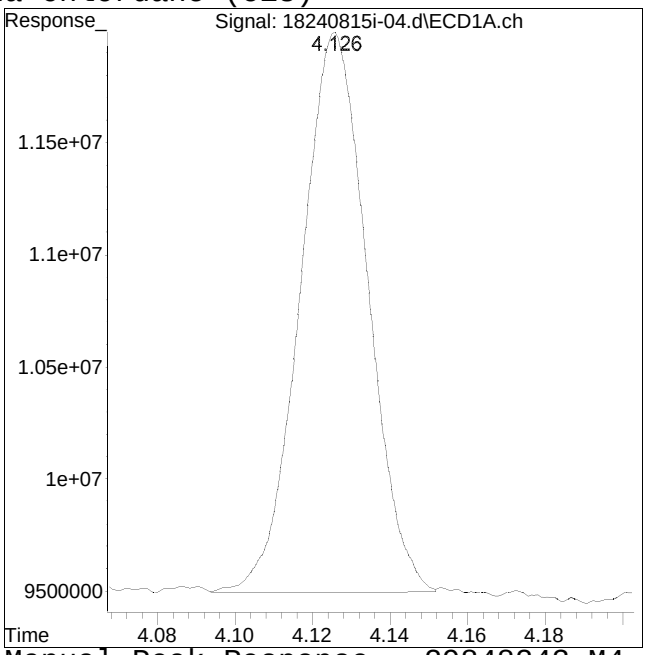
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 33607739

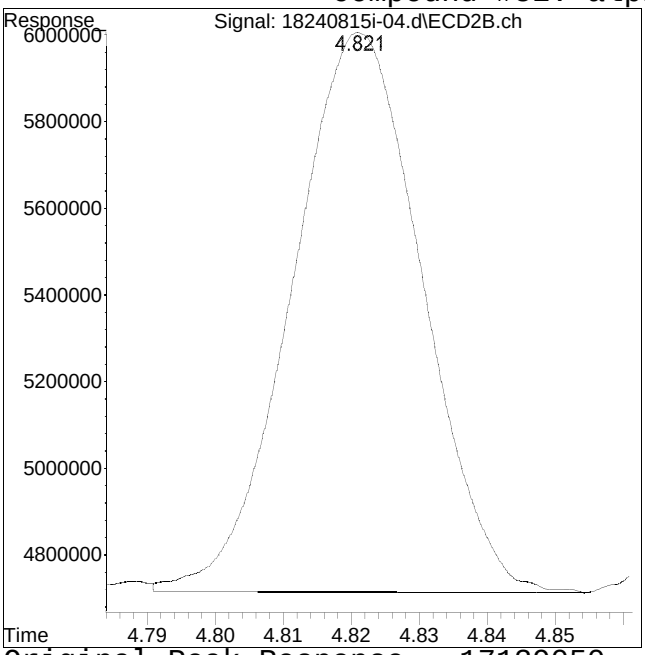


Manual Peak Response = 29848243 M4
M4 = Poor automated baseline construction.

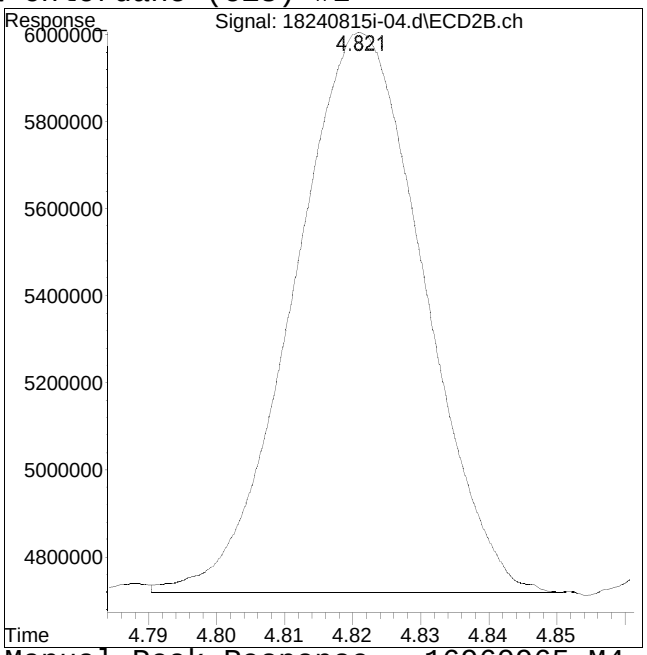
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 17139050



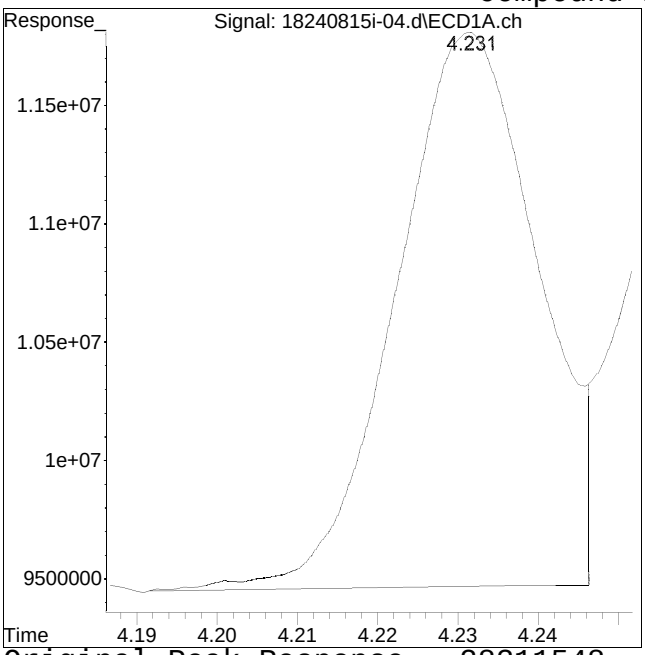
Manual Peak Response = 16960965 M4

M4 = Poor automated baseline construction.

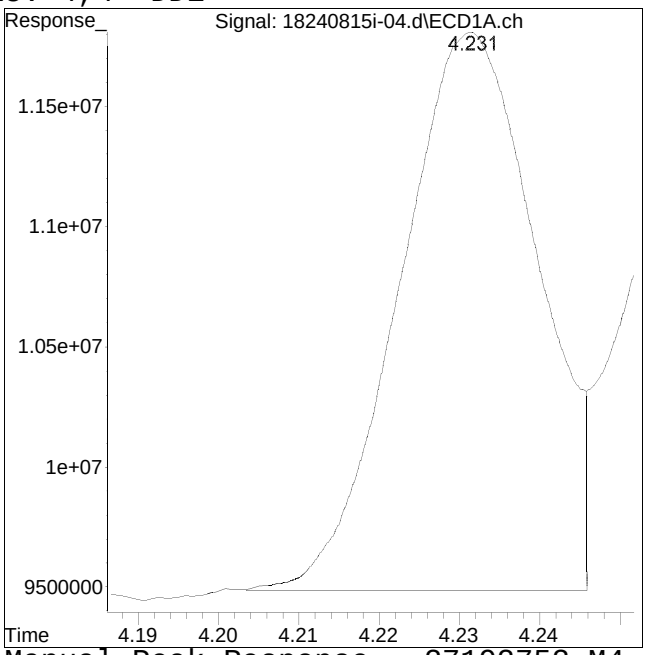
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #15: 4,4'-DDE



Original Peak Response = 28311548

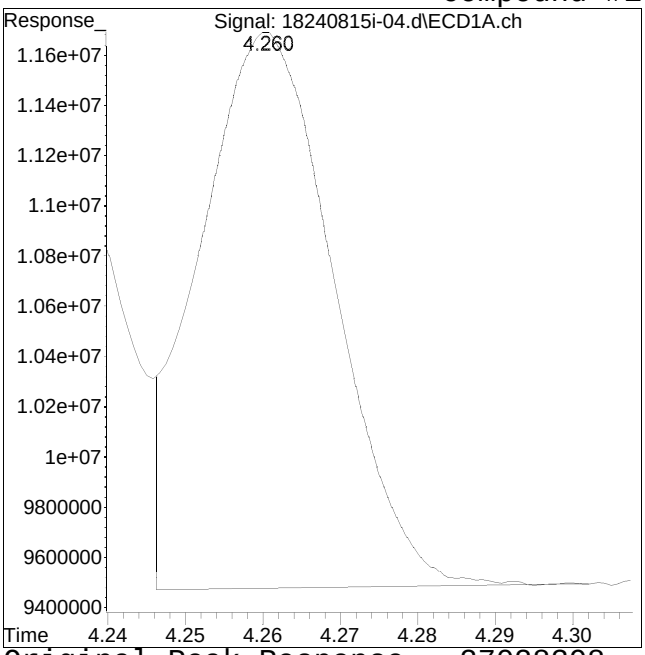


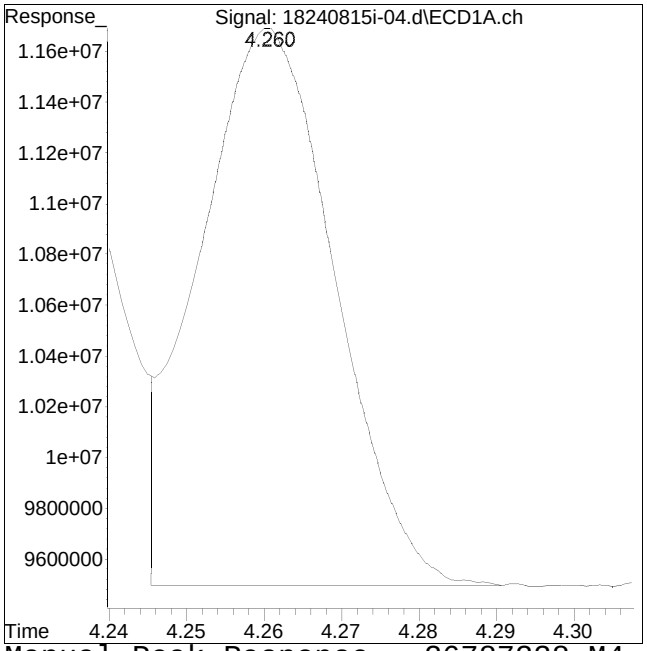
Manual Peak Response = 27192752 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #16: Endosulfan I



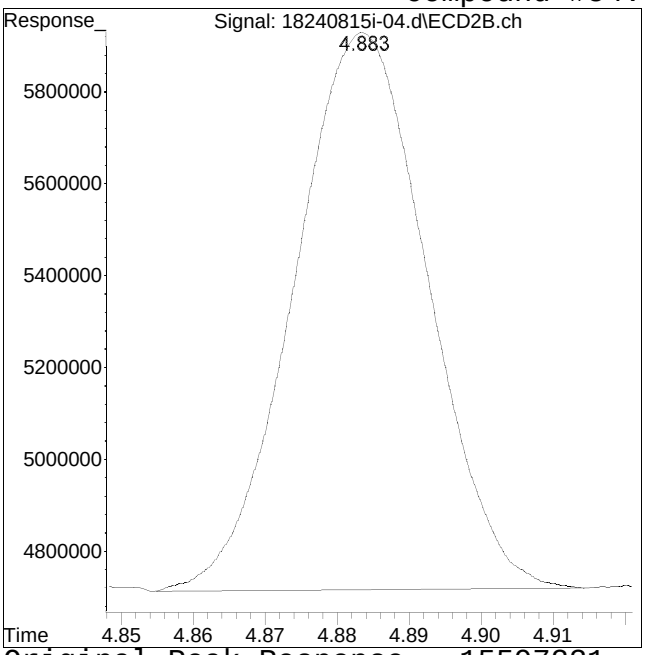


Original Peak Response = 27028398 Manual Peak Response = 26787338 M4
M4 = Poor automated baseline construction.

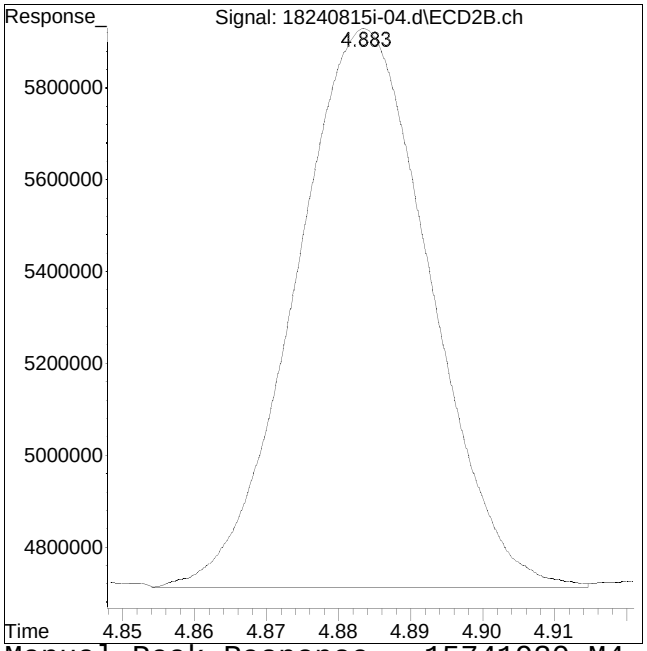
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #54: Endosulfan I #2



Original Peak Response = 15597231



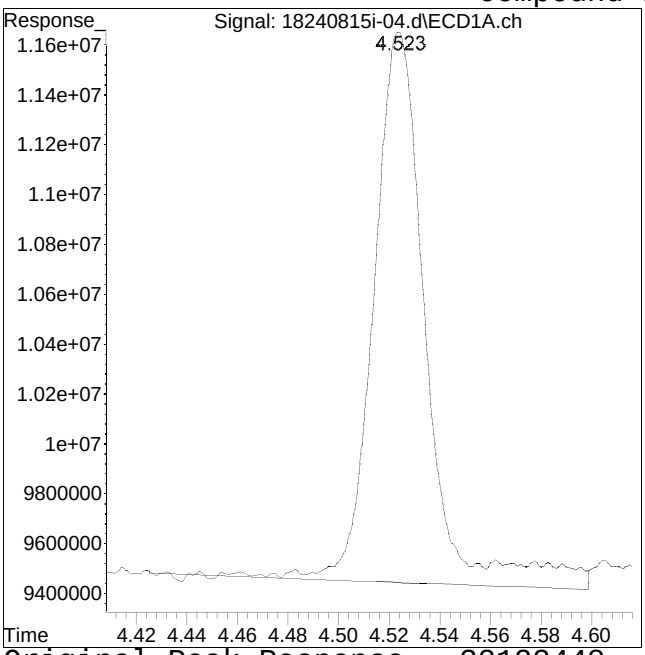
Manual Peak Response = 15741930 M4

M4 = Poor automated baseline construction.

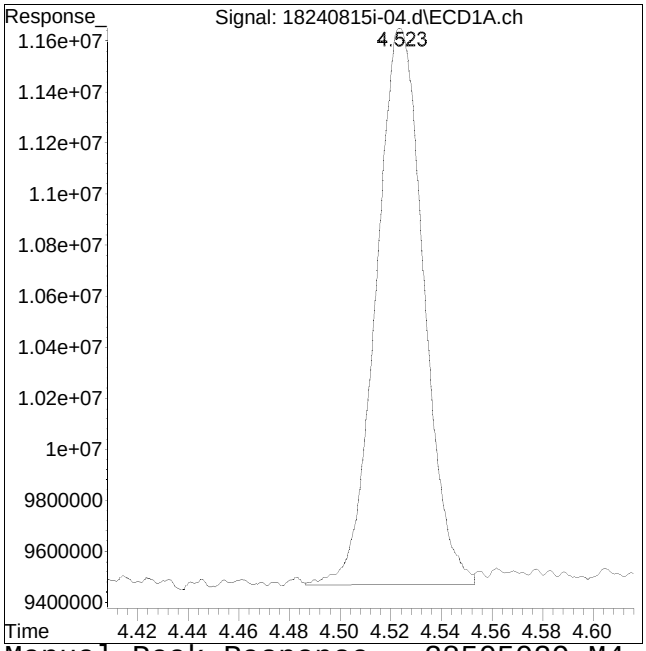
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #17: Dieldrin



Original Peak Response = 32122448



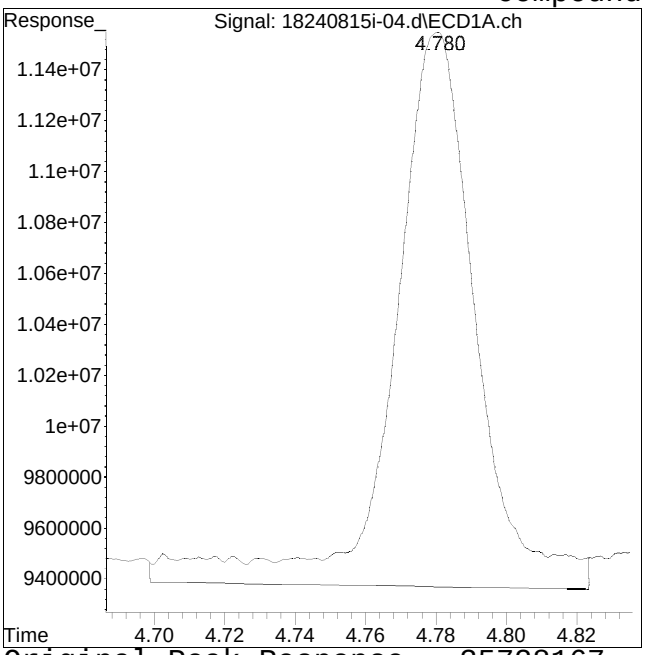
Manual Peak Response = 28505029 M4

M4 = Poor automated baseline construction.

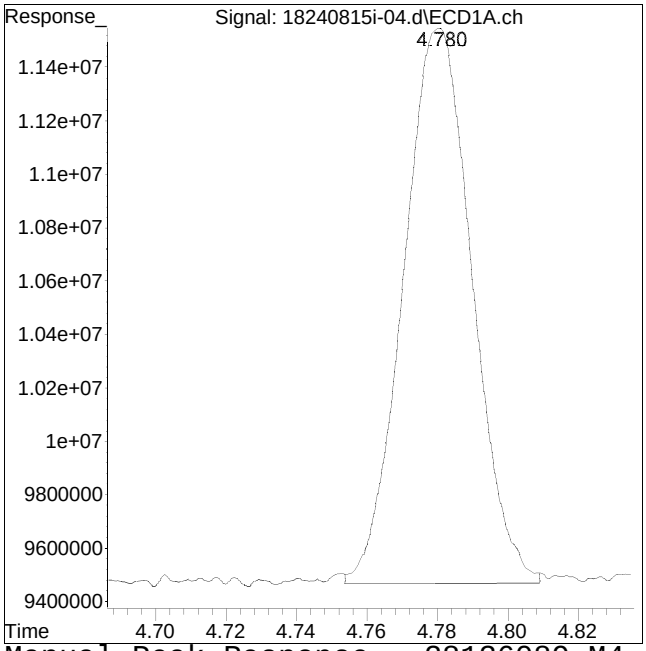
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #18: Endrin



Original Peak Response = 35728167



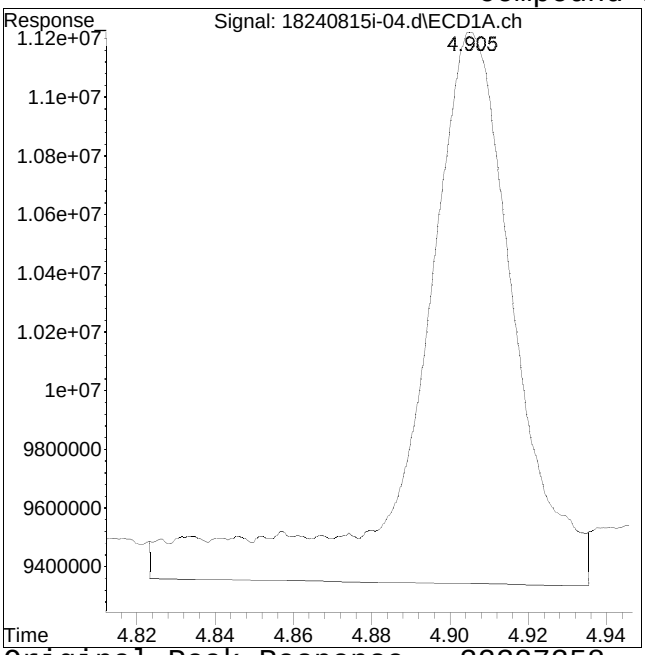
Manual Peak Response = 28136089 M4

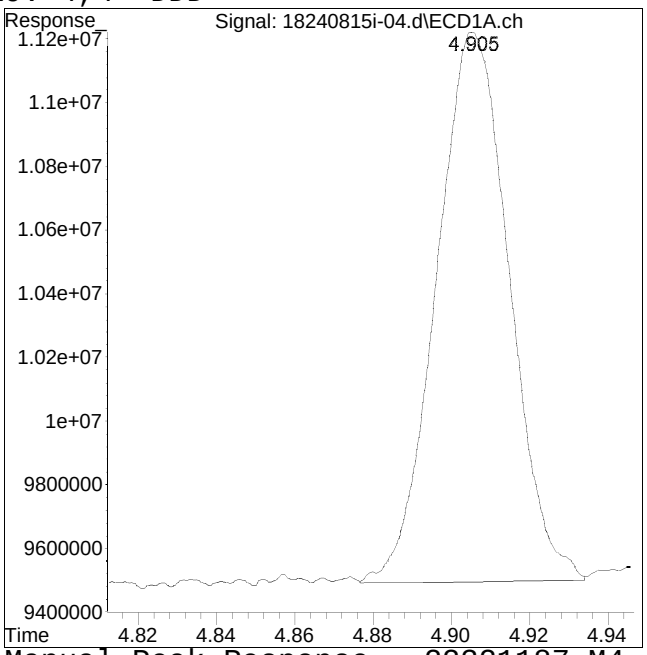
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #19: 4,4'-DDD



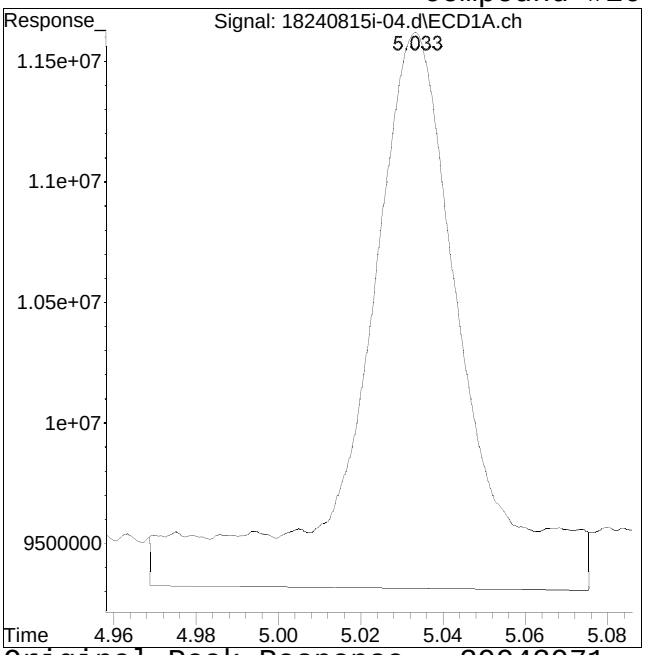


Original Peak Response = 32327358 Manual Peak Response = 22321187 M4
M4 = Poor automated baseline construction.

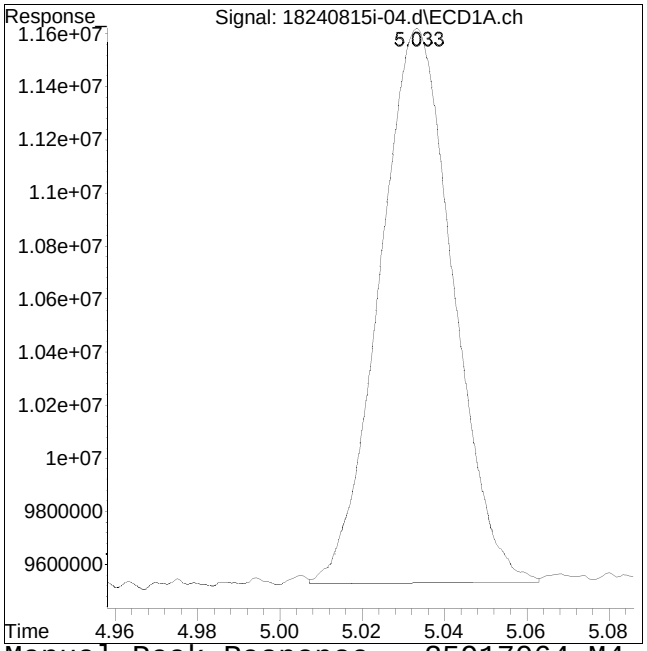
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #20: Endosulfan II



Original Peak Response = 39943971



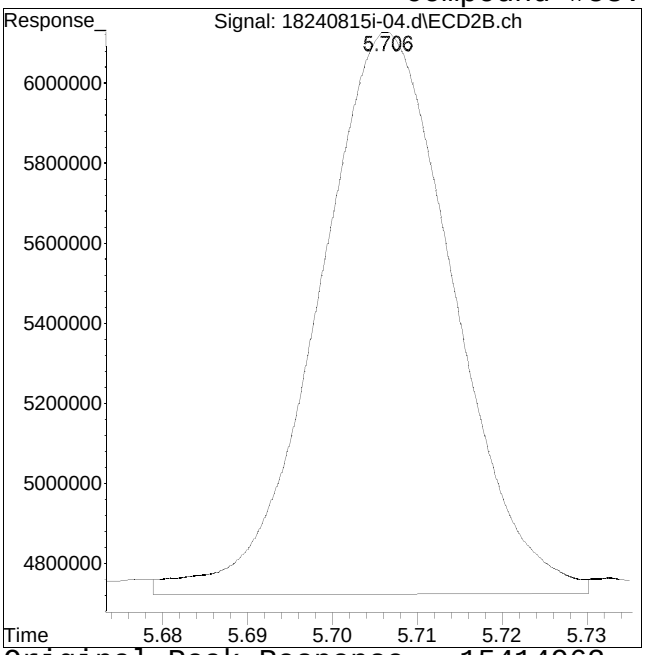
Manual Peak Response = 25917064 M4

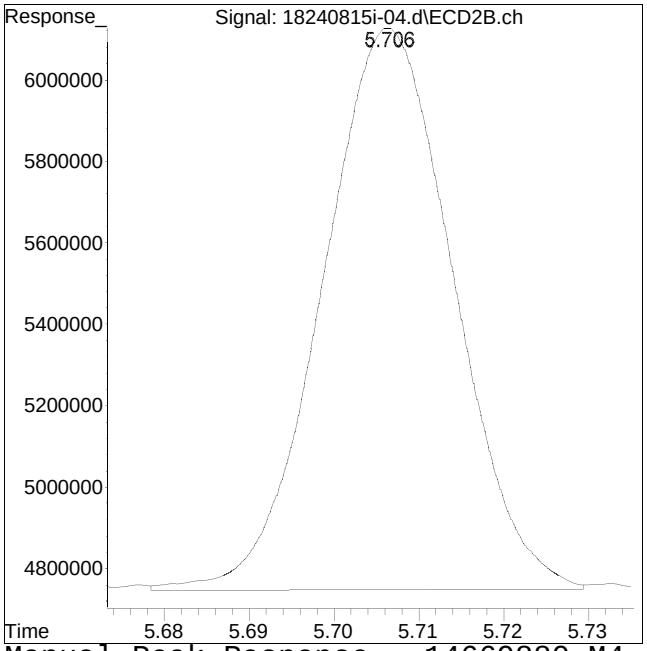
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #58: Endosulfan II #2



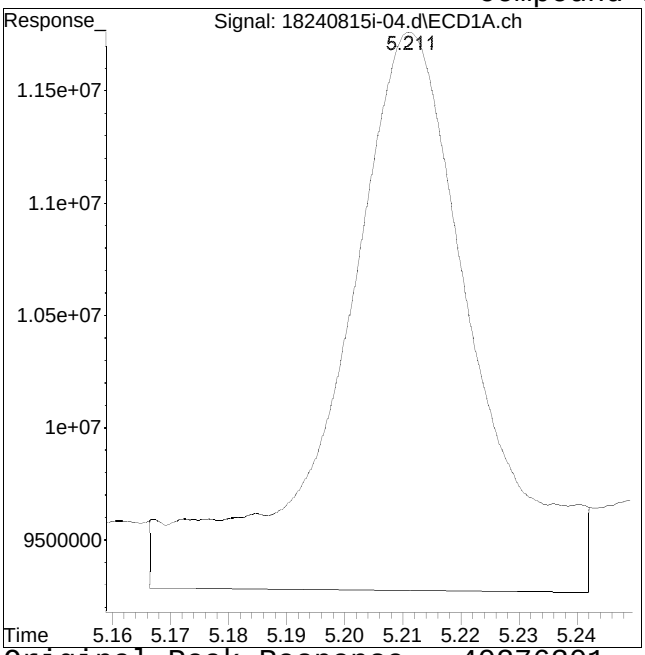


Original Peak Response = 15414962 Manual Peak Response = 14669880 M4
M4 = Poor automated baseline construction.

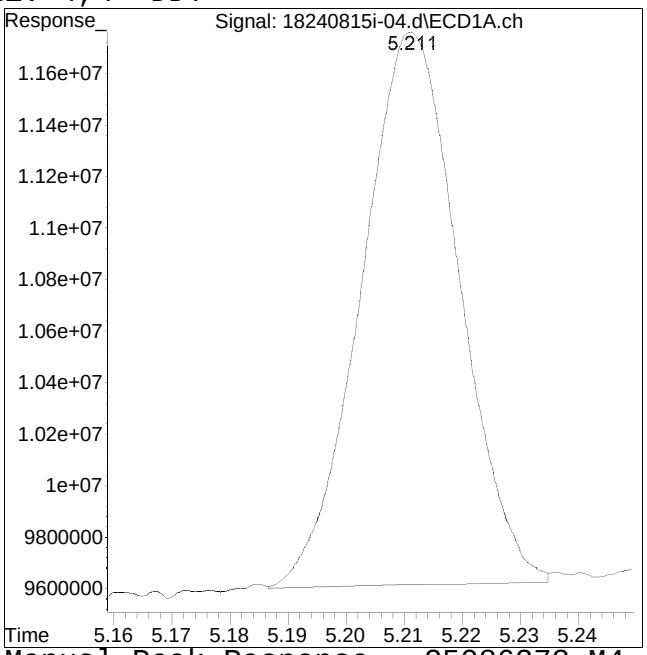
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #21: 4,4'-DDT



Original Peak Response = 40276301



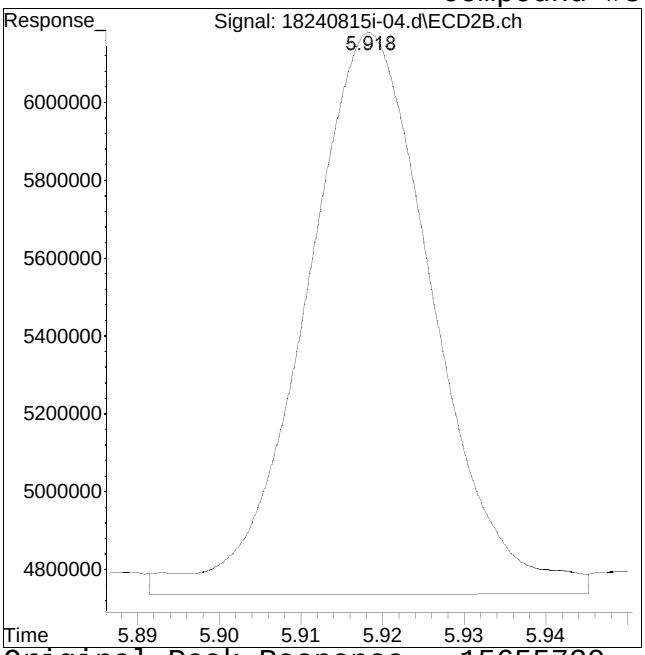
Manual Peak Response = 25086273 M4

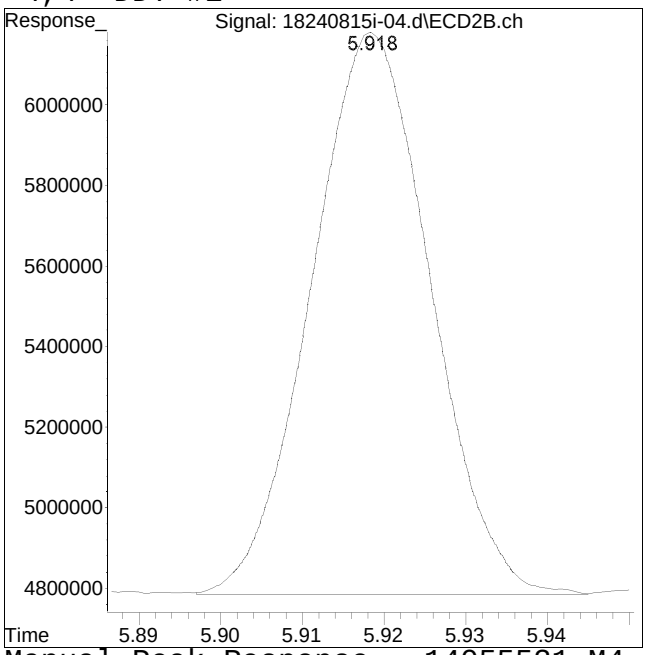
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #59: 4,4'-DDT #2



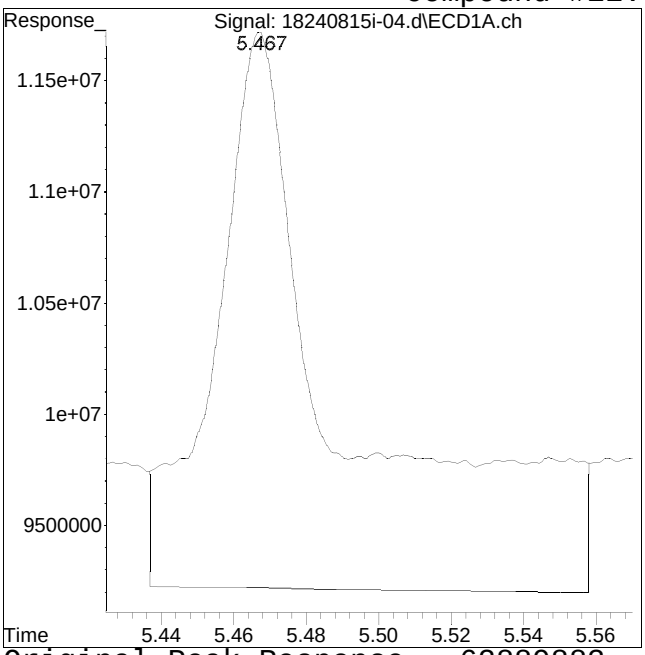


Original Peak Response = 15655720 Manual Peak Response = 14055531 M4
M4 = Poor automated baseline construction.

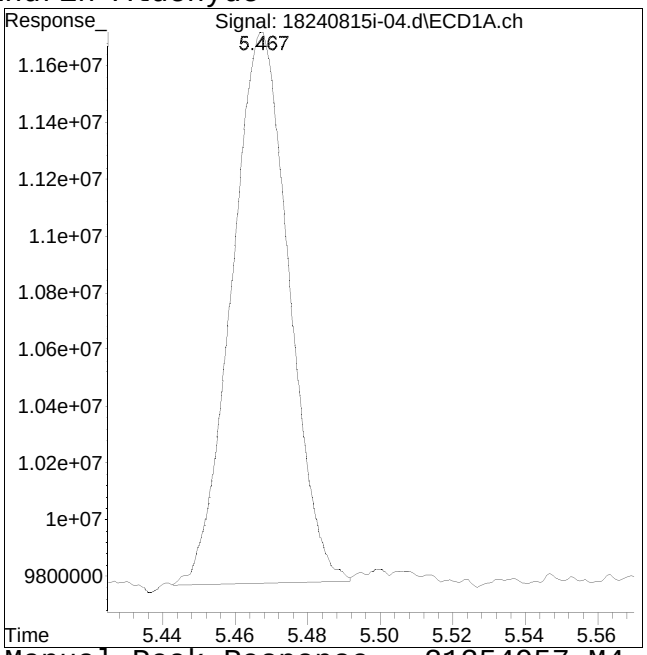
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #22: Endrin Aldehyde



Original Peak Response = 62889883



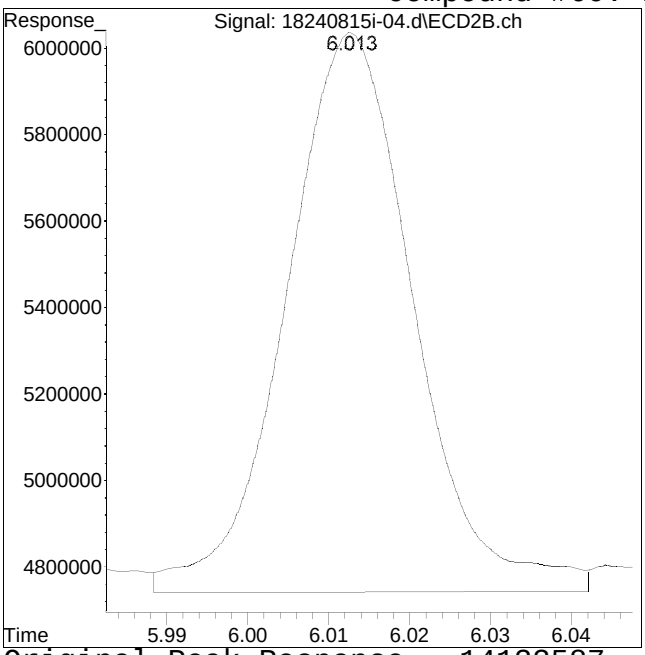
Manual Peak Response = 21254957 M4

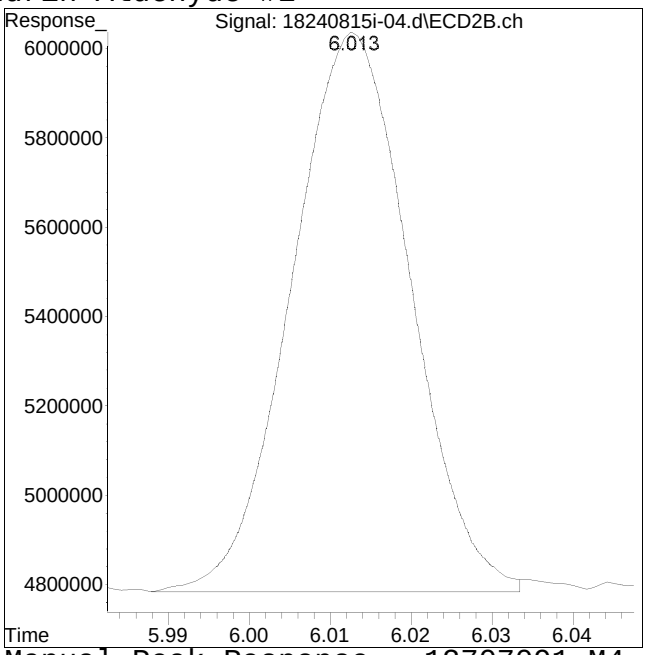
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #60: Endrin Aldehyde #2



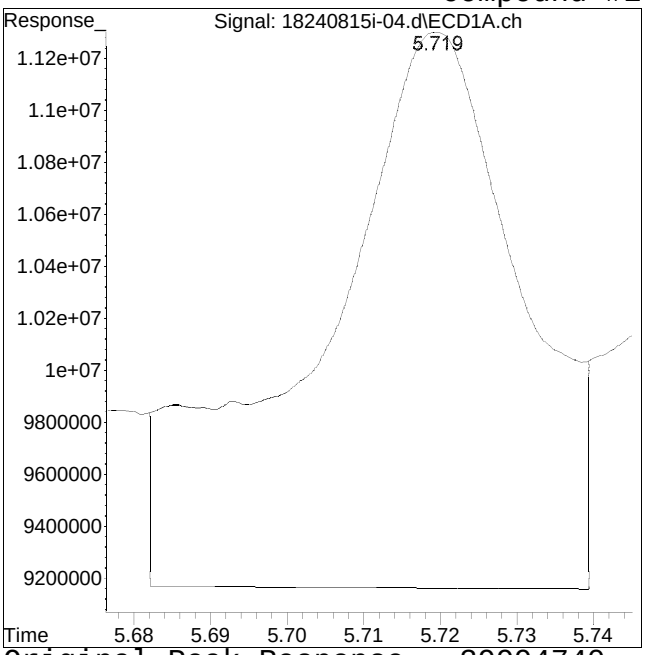


Original Peak Response = 14133587 Manual Peak Response = 12707091 M4
M4 = Poor automated baseline construction.

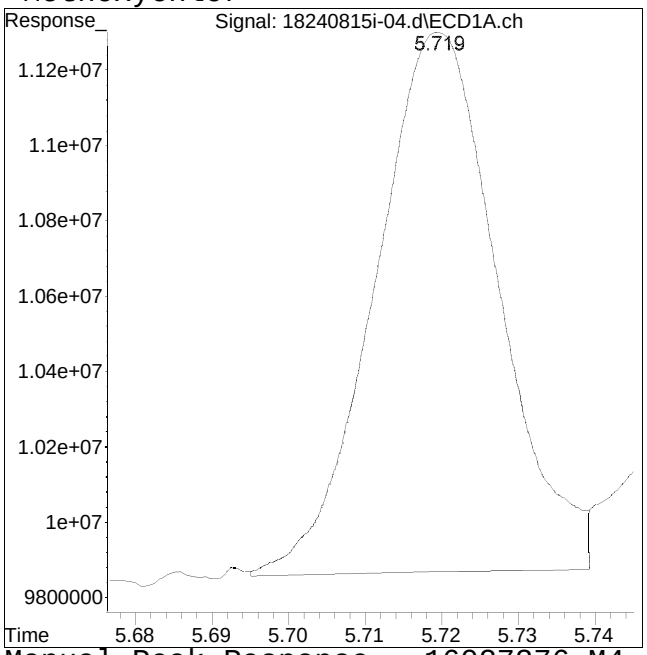
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #23: Methoxychlor



Original Peak Response = 39994740



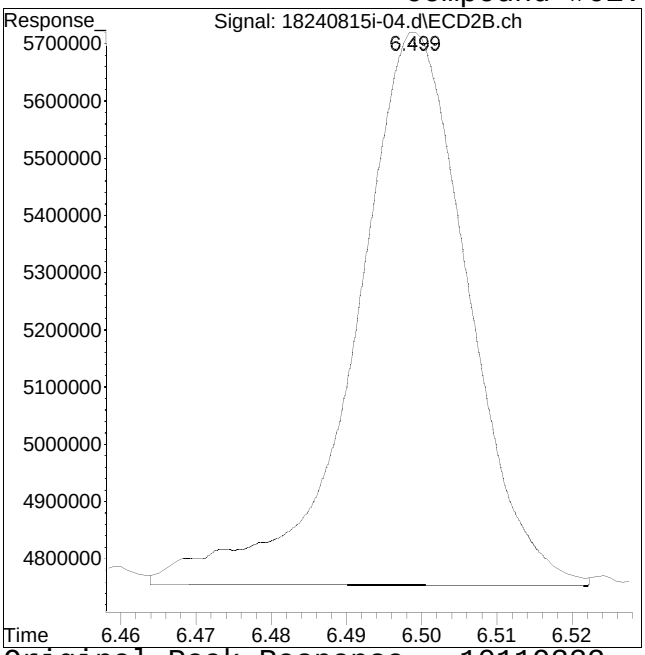
Manual Peak Response = 16027376 M4

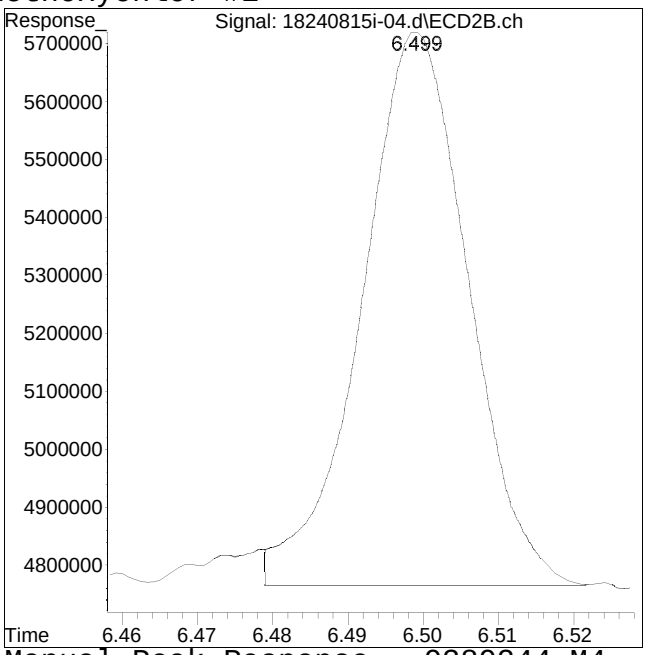
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #61: Methoxychlor #2



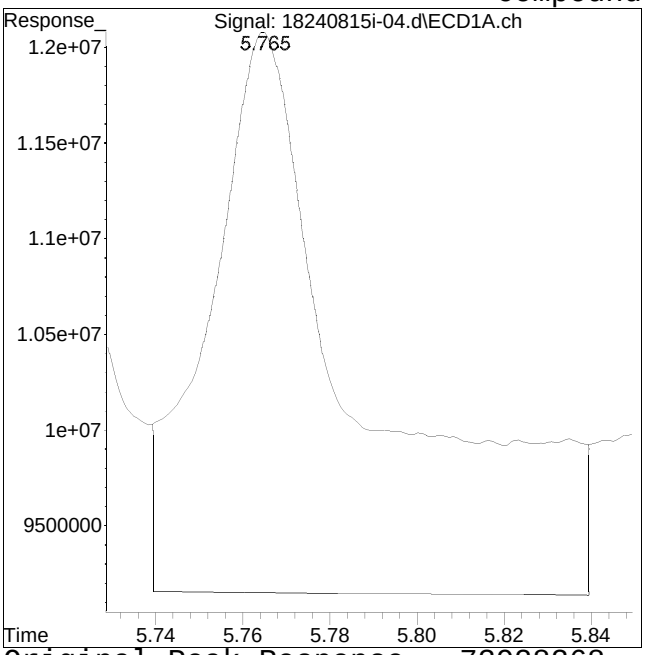


Original Peak Response = 10119332 Manual Peak Response = 9389244 M4
M4 = Poor automated baseline construction.

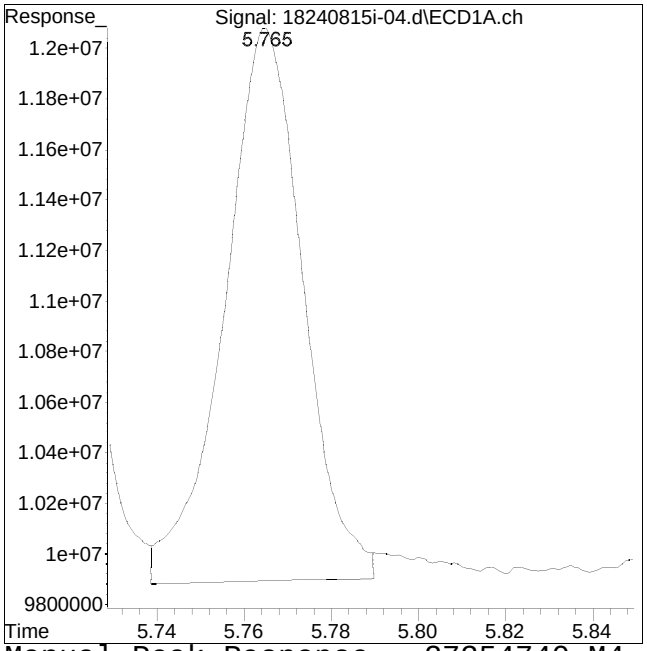
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #24: Mirex



Original Peak Response = 73928268



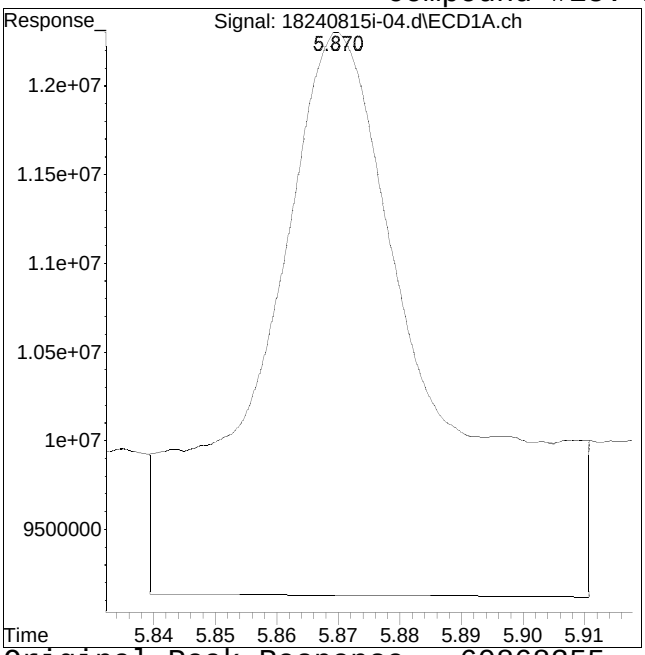
Manual Peak Response = 27354740 M4

M4 = Poor automated baseline construction.

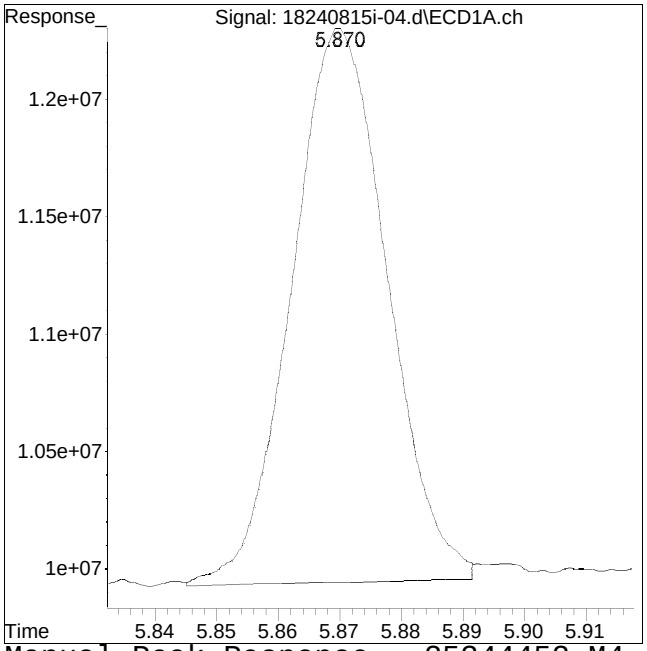
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #25: Endosulfan Sulfate



Original Peak Response = 60868355



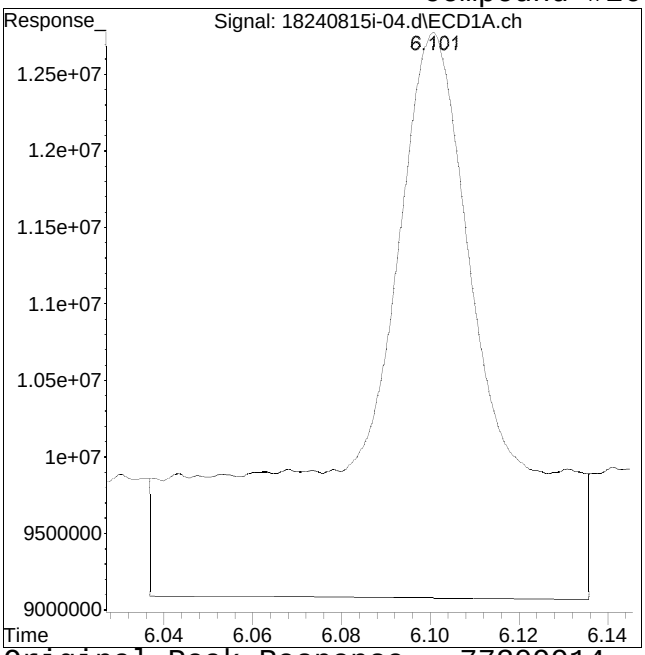
Manual Peak Response = 25344452 M4

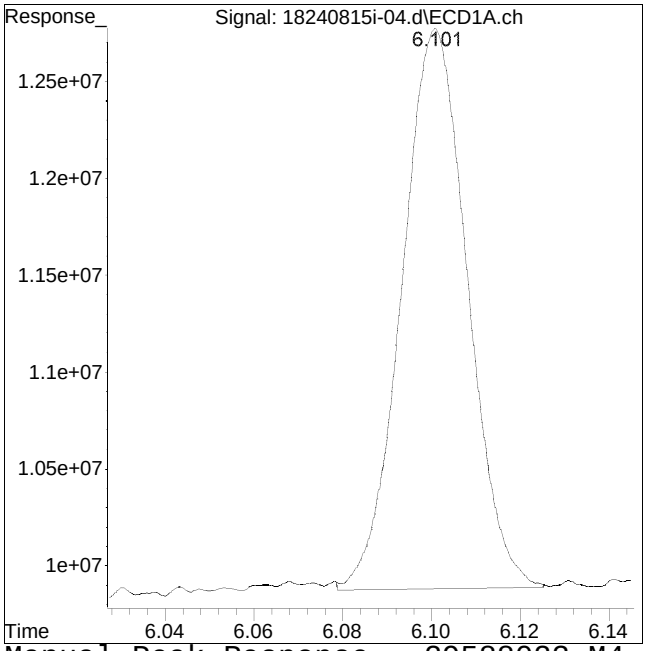
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #26: Endrin Ketone



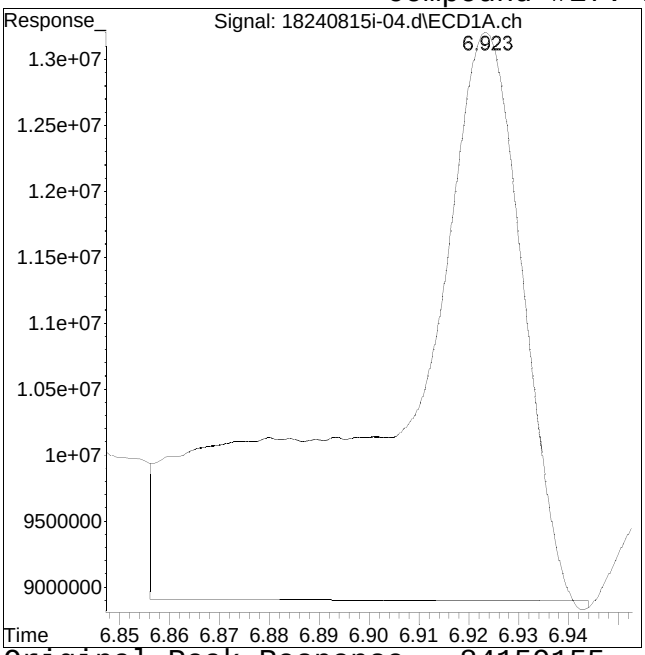


Original Peak Response = 77309914 Manual Peak Response = 29588023 M4
M4 = Poor automated baseline construction.

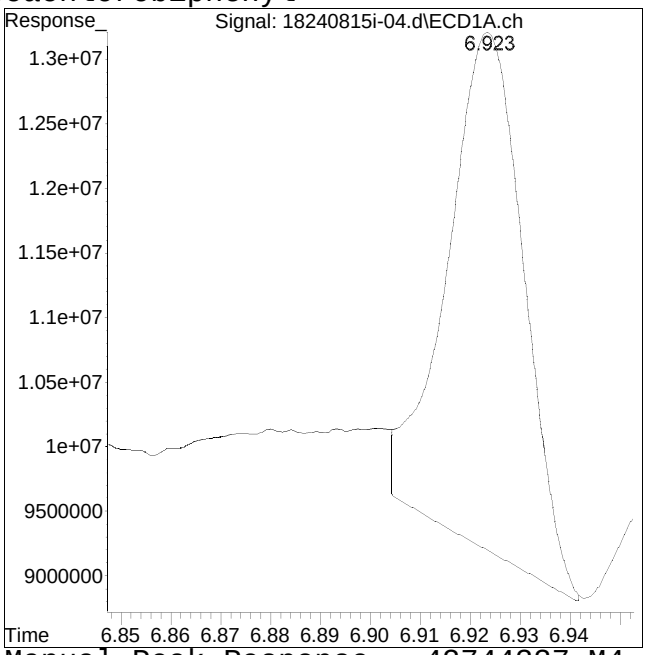
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-04.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:16 Instrument : Pest 18
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/16/2024 8:54 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 84159155



Manual Peak Response = 42744337 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:28
Operator : PEST18:peg
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:36:55 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:36:46 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.683	1.784	528.1E6	311.1E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.117	2.339	55803146	31517878	2.186M4	2.165M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		4.37%#	4.33%#
27)	s	Decachlorobi	6.923	7.551	68486263	27714040	2.325M4	2.378M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		4.65%#	4.76%#
		Target Compounds						
3)		Hexachlorobe	2.358	2.683	67965324	35315889	2.285M4	2.287M4
4)		alpha-BHC	2.469	2.786	66811529	38383240	2.070M4	1.957M4
5)		gamma-BHC (l	2.688	3.082	61085524	36542348	2.065M4	2.005M4
6)		beta-BHC	2.753	3.155	31171423	18746340	2.361M4	2.252M4
7)		delta-BHC	2.885	3.425	62310960	36048400	2.112M4	2.007M4
8)		Heptachlor	3.054	3.483	61875340	35316020	2.259M4	2.167M4
9)		Aldrin	3.303	3.803	58564395	33254862	2.173M4	2.046M4
10)		Alachlor	3.441	3.700	9359301	5497973	2.417M4	2.345
11)		Chlorpyrifos	3.537	4.055	30539855	19274010	2.454M4	2.457M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:28
Operator : PEST18:peg
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:36:55 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:36:46 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	3.862	4.423	55055469	33989835	2.263M4	2.214M4
13)		gamma-Chlord	3.989	4.646	53011834	29832919	2.234M4	2.118M4
14)		alpha-Chlord	4.125	4.820	59002934	33629133	2.215M4	2.142M4
15)		4,4'-DDE	4.231	5.034	57816448	31658166	2.154M4	2.039M4
16)		Endosulfan I	4.260	4.883	53429920	30852992	2.245M4	2.139M4
17)		Dieldrin	4.523	5.189	55688835	30672544	2.203M4	2.065M4
18)		Endrin	4.779	5.498	55922691	31149377	2.207M4	2.105M4
19)		4,4'-DDD	4.905	5.633	44628606	25320854	2.162M4	2.097
20)		Endosulfan I	5.033	5.706	51689509	28780716	2.255M4	2.176M4
21)		4,4'-DDT	5.210	5.917	51693181	28316230	2.221M4	2.133M4
22)		Endrin Aldeh	5.466	6.012	43753473	24158275	2.259M4	2.175M4
23)		Methoxychlor	5.719	6.498	31779376	17336810	2.443M4	2.370M3
24)		Mirex	5.764	6.625	50579112	26037177	2.482M4	2.369
25)		Endosulfan S	5.869	6.246	51014785	27890226	2.242M4	2.193
26)		Endrin Keton	6.100	6.665	58194576	30031773	2.299M4	2.183
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:28
Operator : PEST18:peg
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:36:55 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:36:46 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

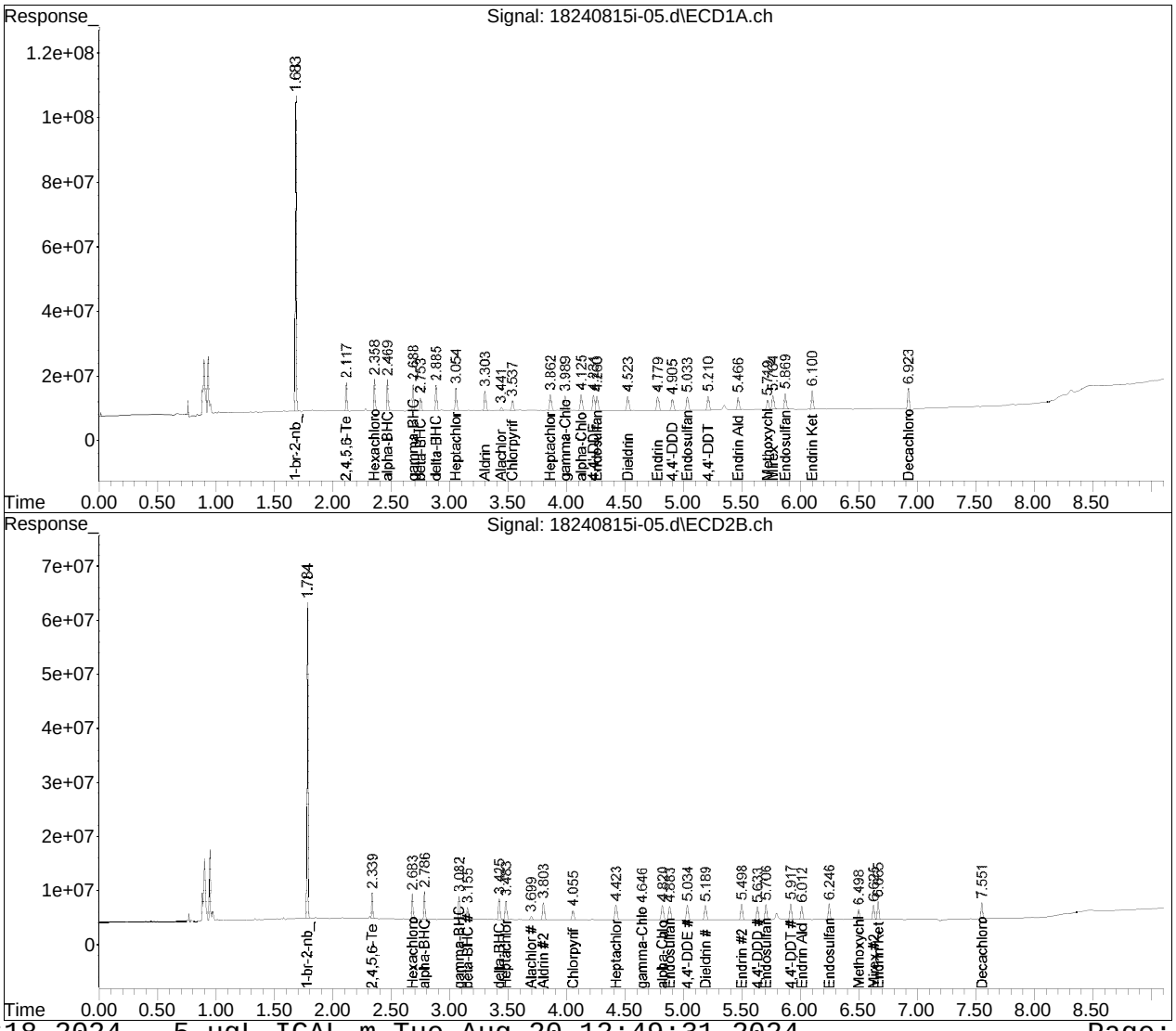
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:28
Operator : PEST18:peg
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:36:55 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:36:46 2024
Response via : Initial Calibration
Integrator: ChemStation

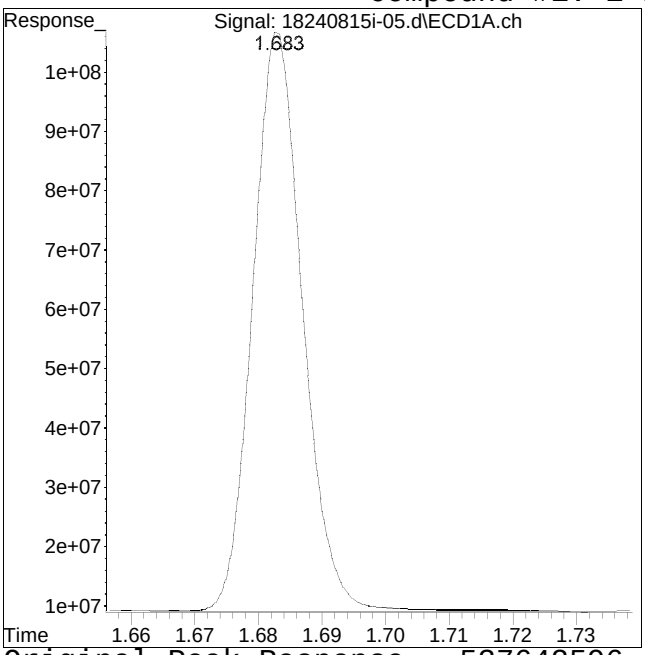
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

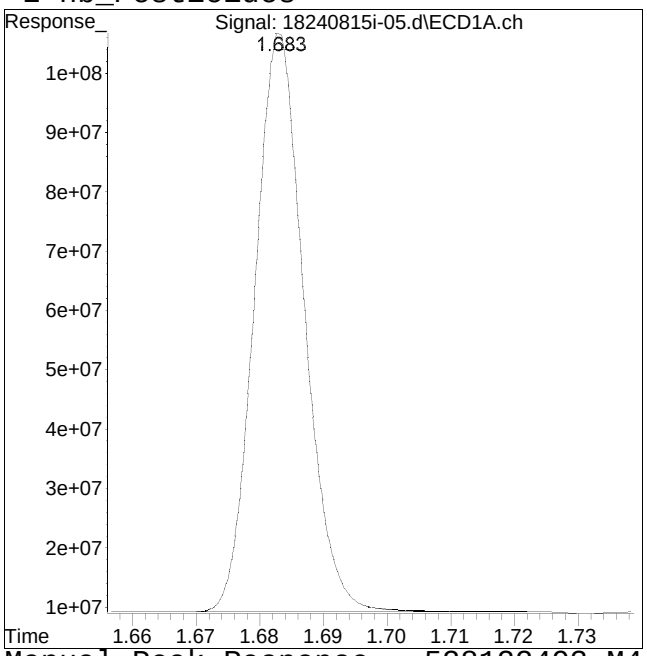


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #1: 1-br-2-nb_Pesticides



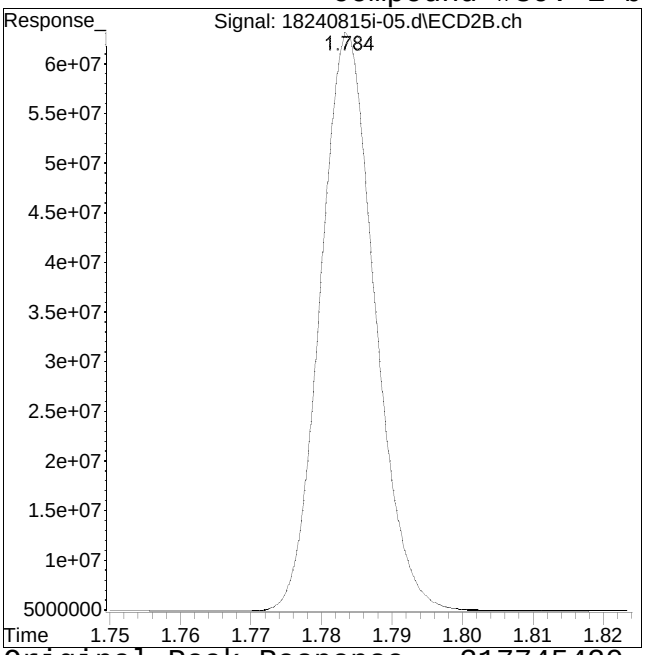


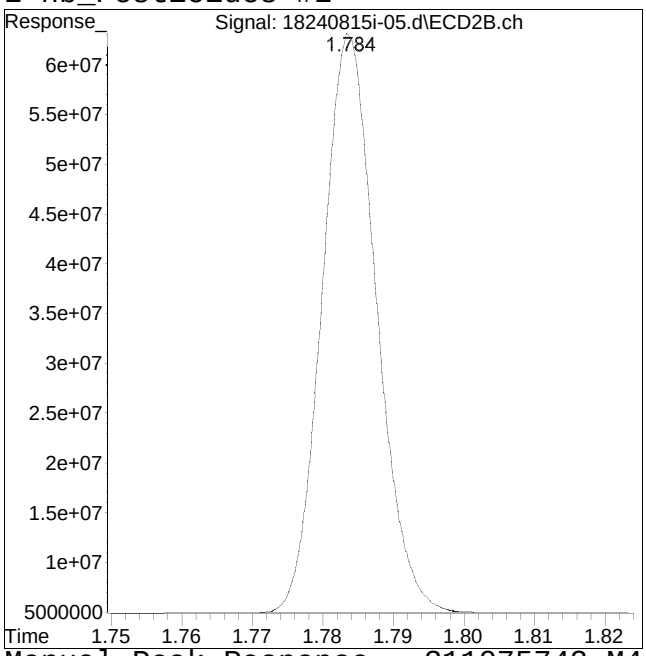
Original Peak Response = 537642596 Manual Peak Response = 528122493 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #39: 1-br-2-nb_Pesticides #2



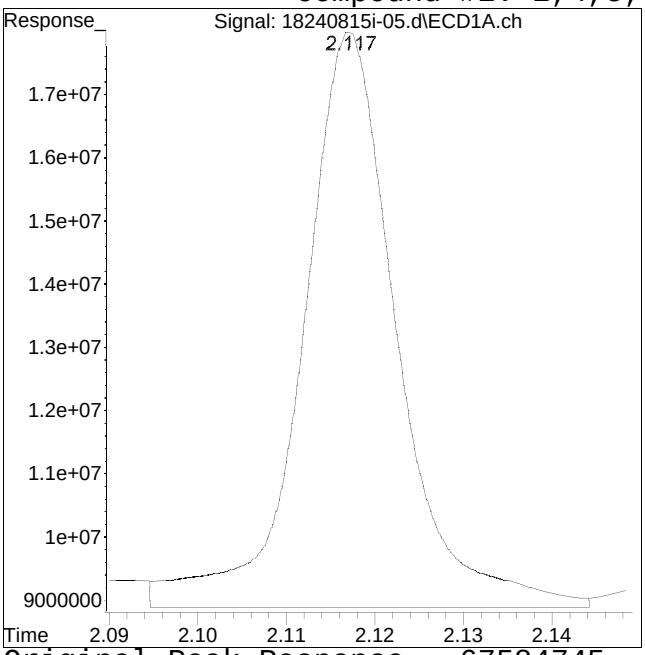


Original Peak Response = 317745420 Manual Peak Response = 311075742 M4
M4 = Poor automated baseline construction.

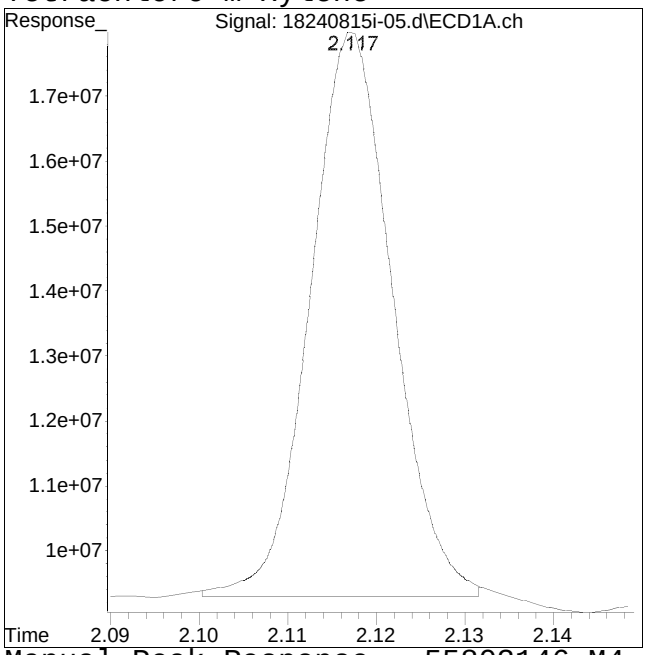
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 67584745



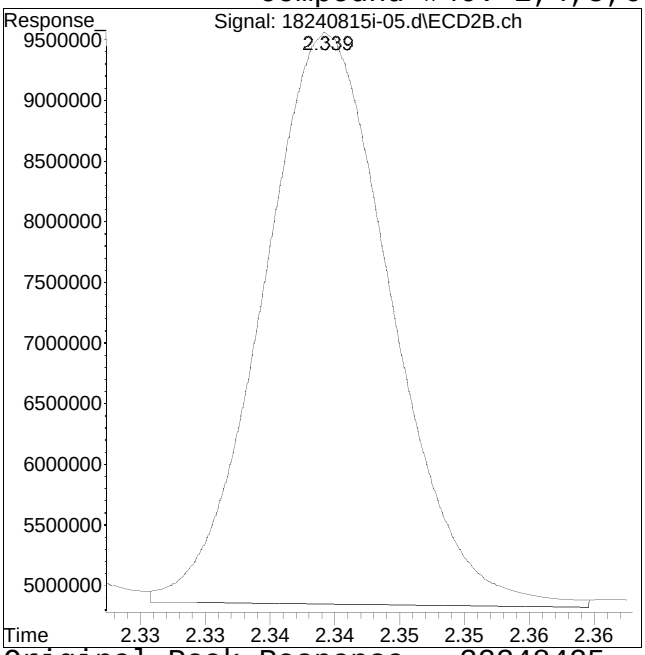
Manual Peak Response = 55803146 M4

M4 = Poor automated baseline construction.

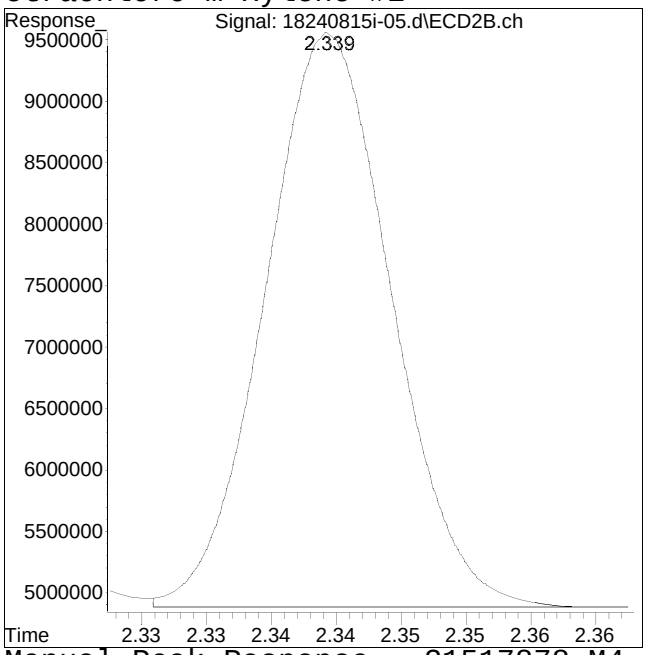
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 32348425



Manual Peak Response = 31517878 M4

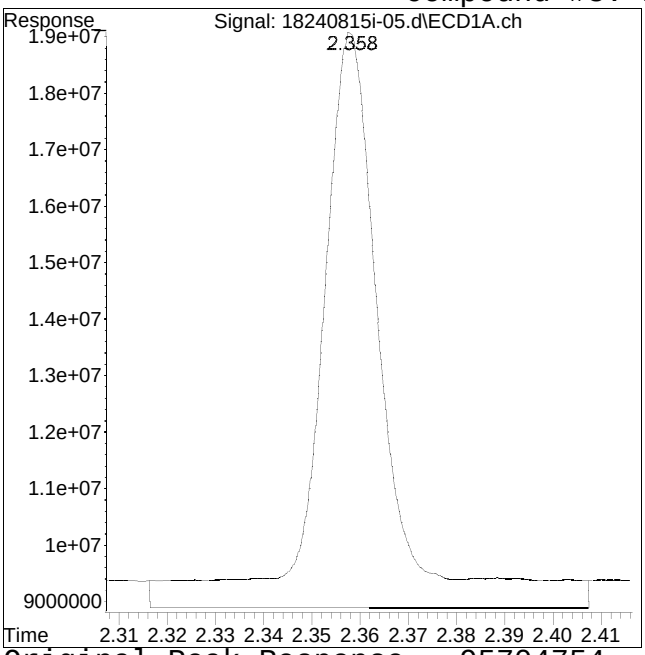
M4 = Poor automated baseline construction.

Manual Integration Report

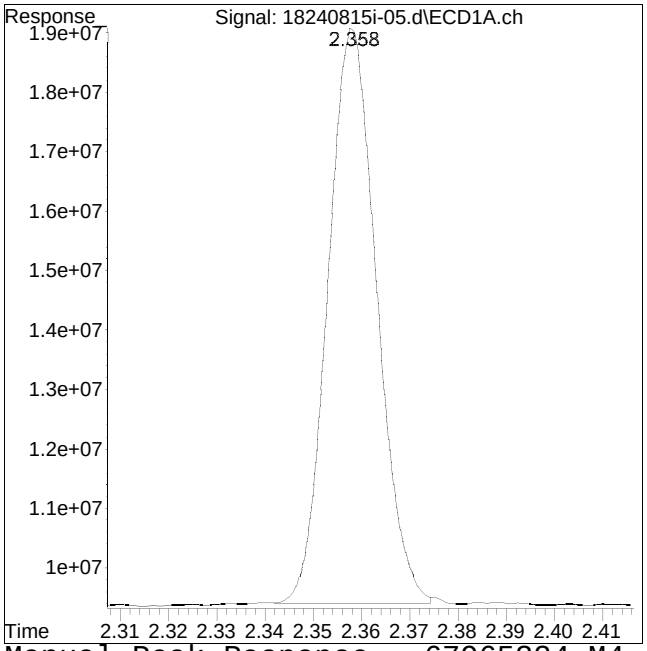
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-05.d
Date Inj'd : 8/15/2024 14:28
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 8:36 am

Compound #3: Hexachlorobenzene



Original Peak Response = 95704754



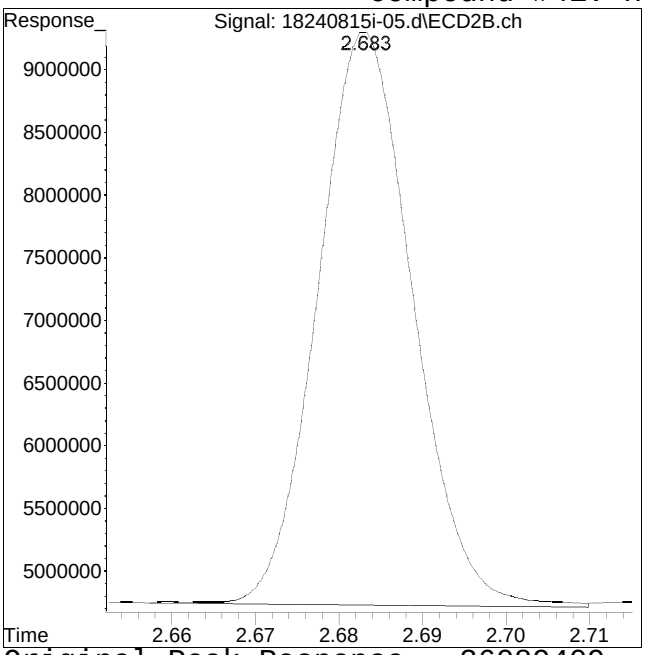
Manual Peak Response = 67965324 M4

M4 = Poor automated baseline construction.

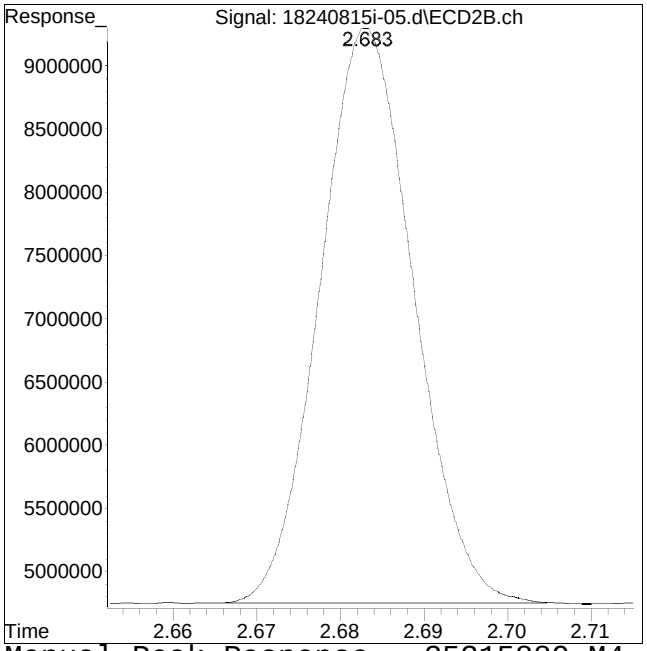
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 36089409



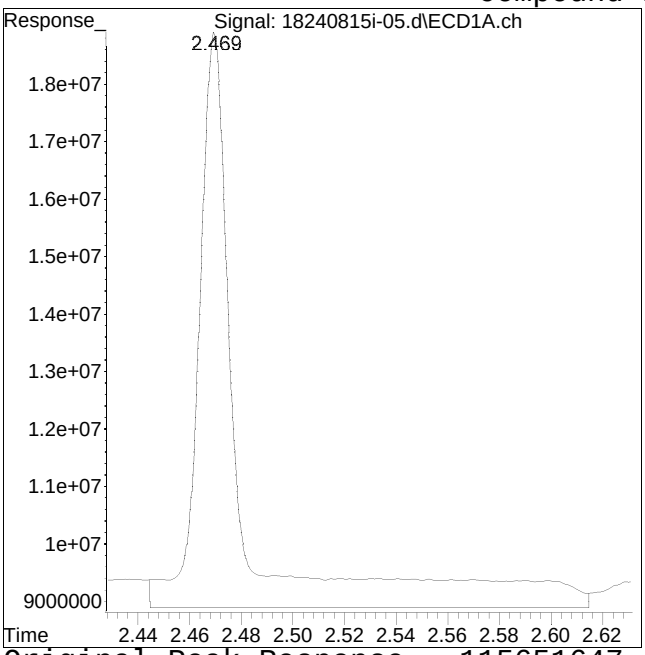
Manual Peak Response = 35315889 M4

M4 = Poor automated baseline construction.

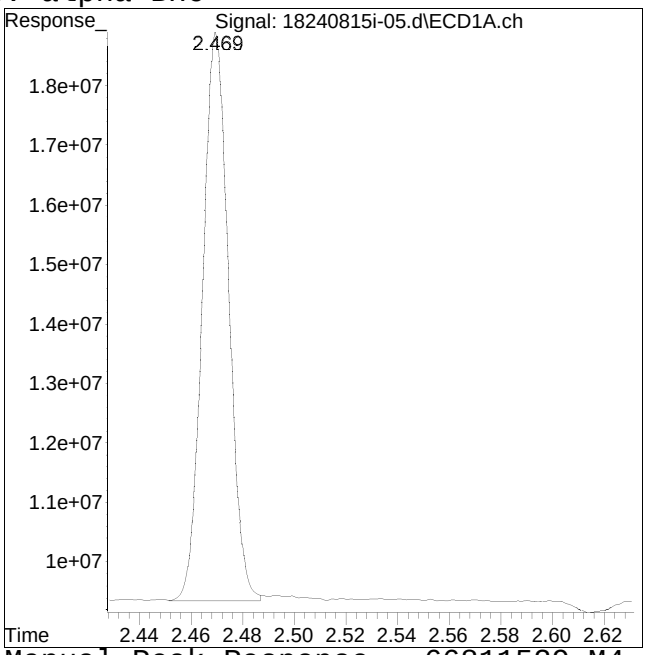
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #4: alpha-BHC



Original Peak Response = 115651647

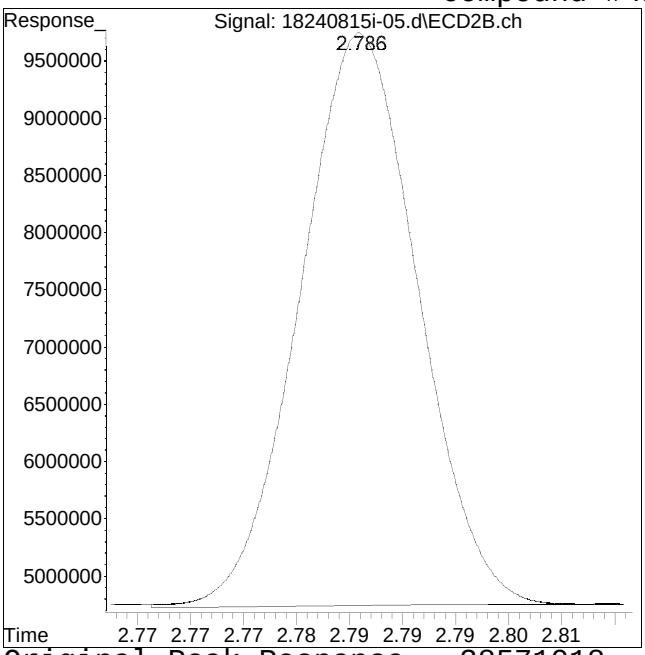


Manual Peak Response = 66811529 M4
M4 = Poor automated baseline construction.

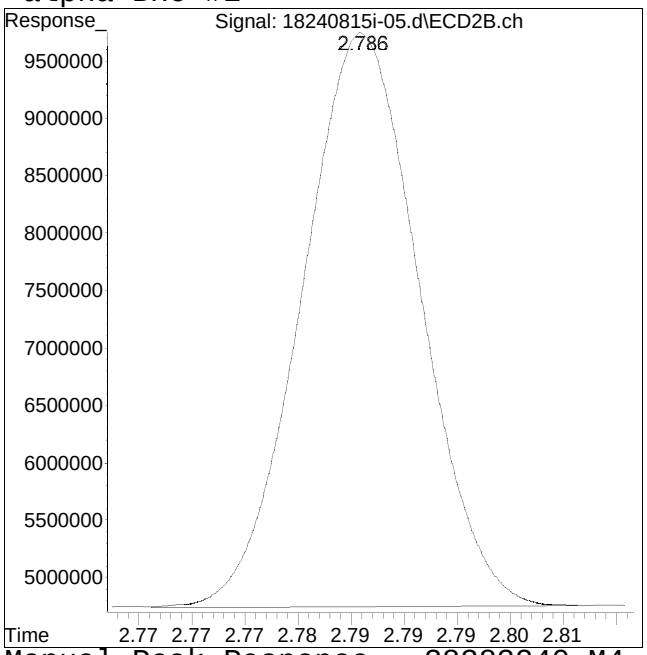
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #42: alpha-BHC #2



Original Peak Response = 38571018



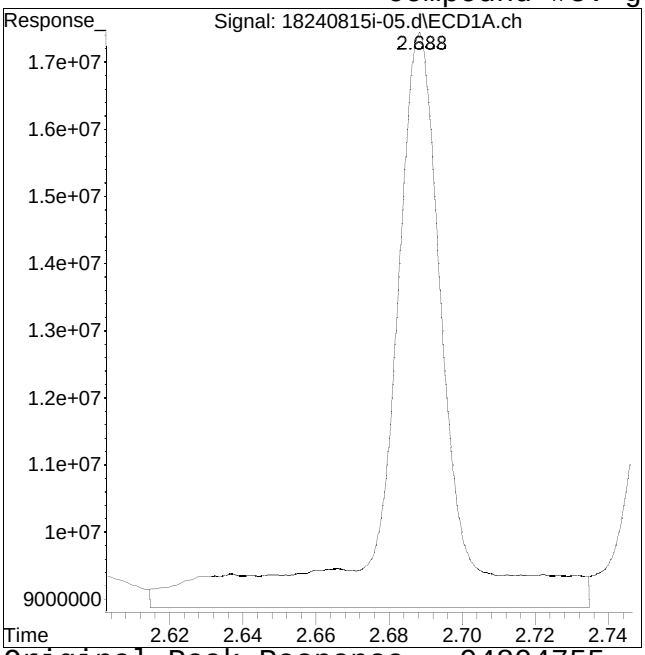
Manual Peak Response = 38383240 M4

M4 = Poor automated baseline construction.

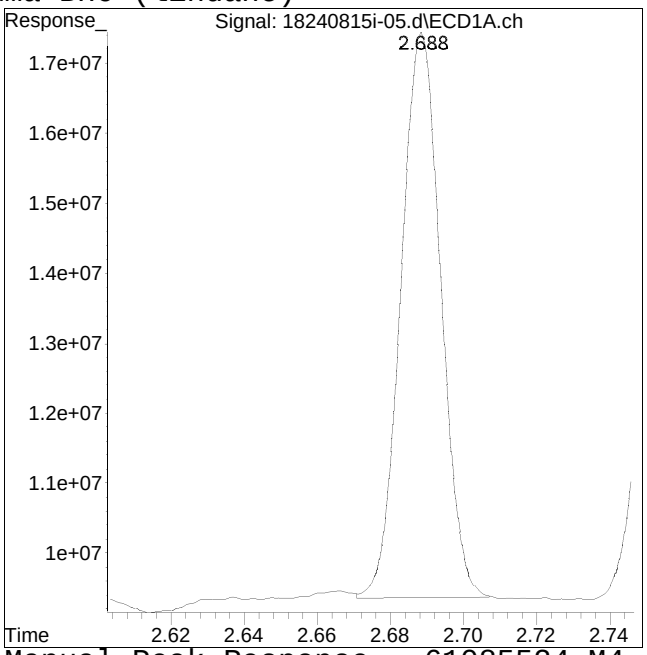
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 94804755



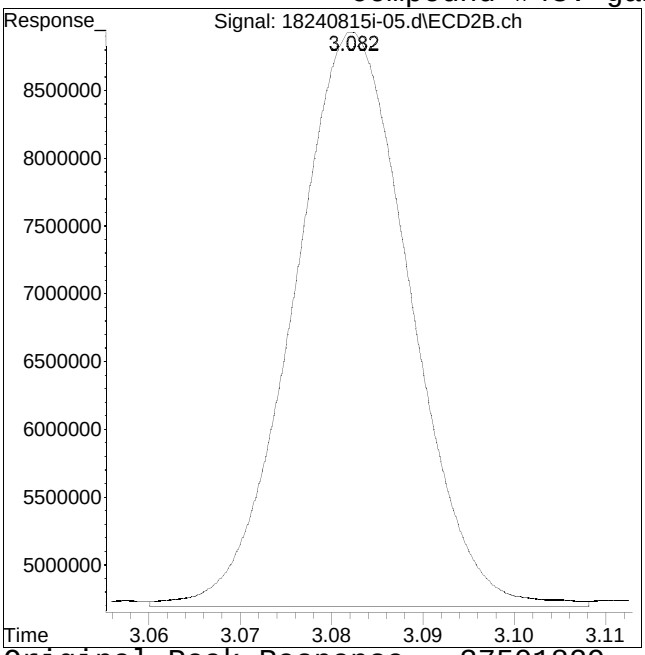
Manual Peak Response = 61085524 M4

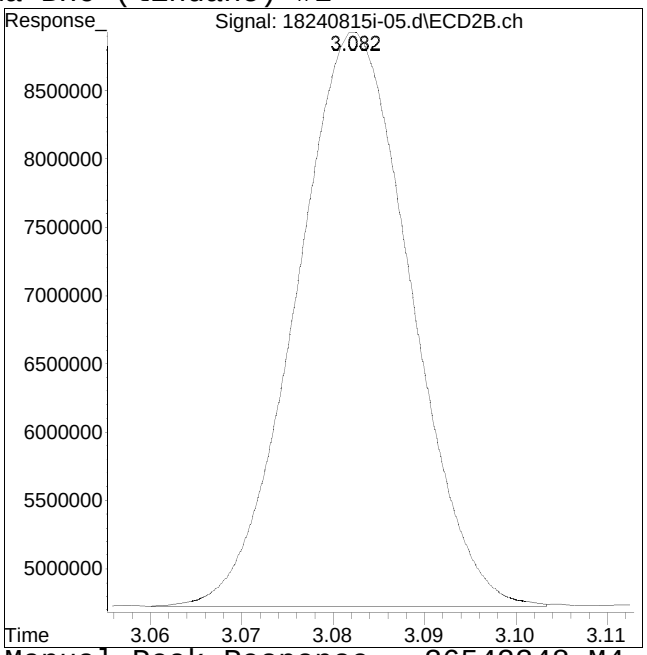
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #43: gamma-BHC (lindane) #2





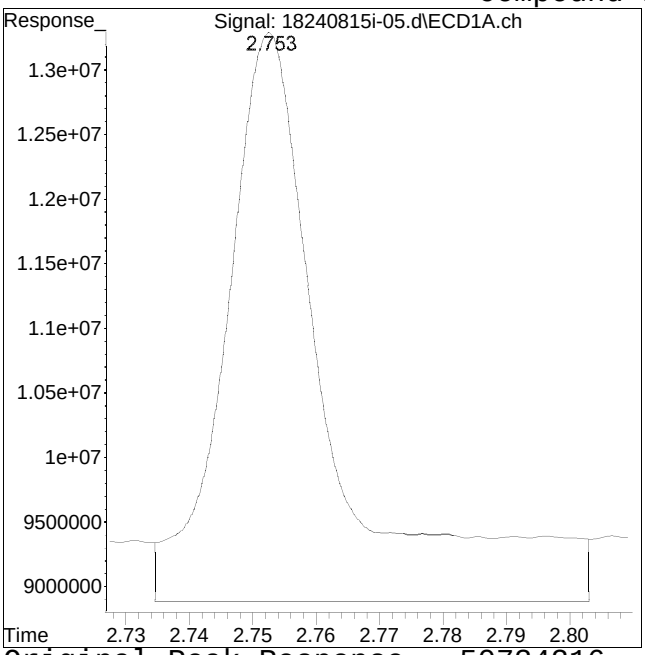
Original Peak Response = 37501829 Manual Peak Response = 36542348 M4
M4 = Poor automated baseline construction.

Manual Integration Report

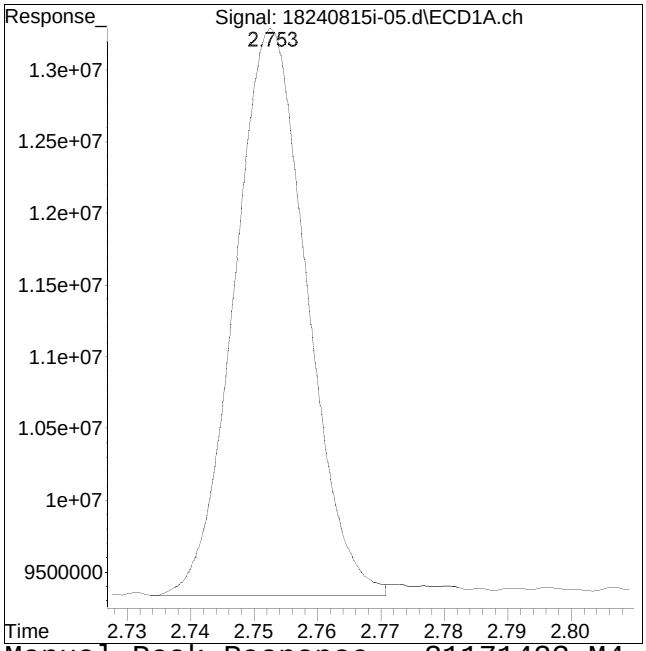
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-05.d
Date Inj'd : 8/15/2024 14:28
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 8:36 am

Compound #6: beta-BHC



Original Peak Response = 50734216



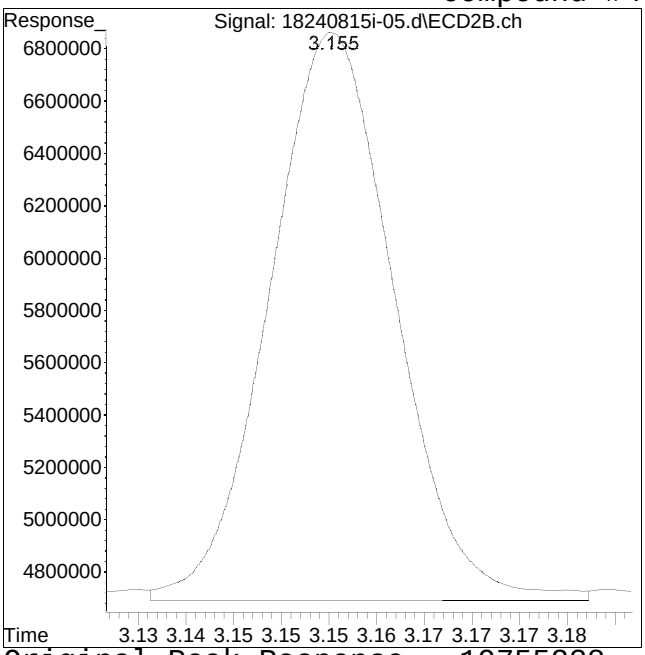
Manual Peak Response = 31171423 M4

M4 = Poor automated baseline construction.

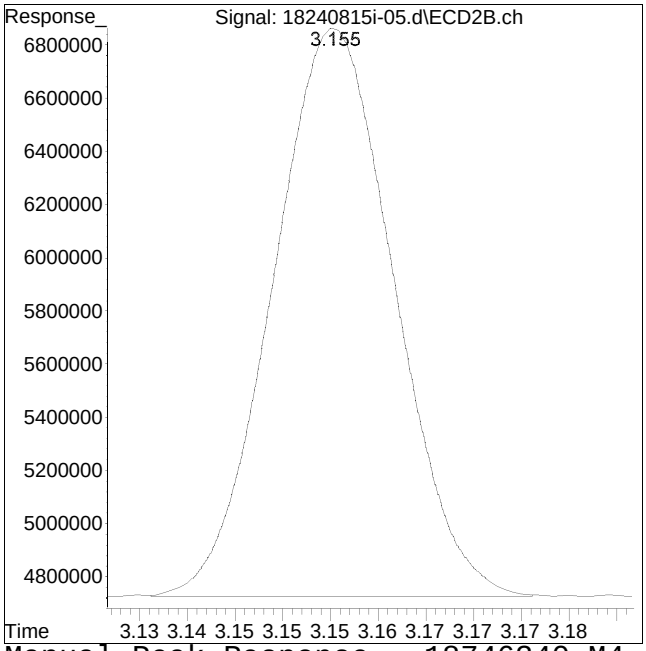
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #44: beta-BHC #2



Original Peak Response = 19755238



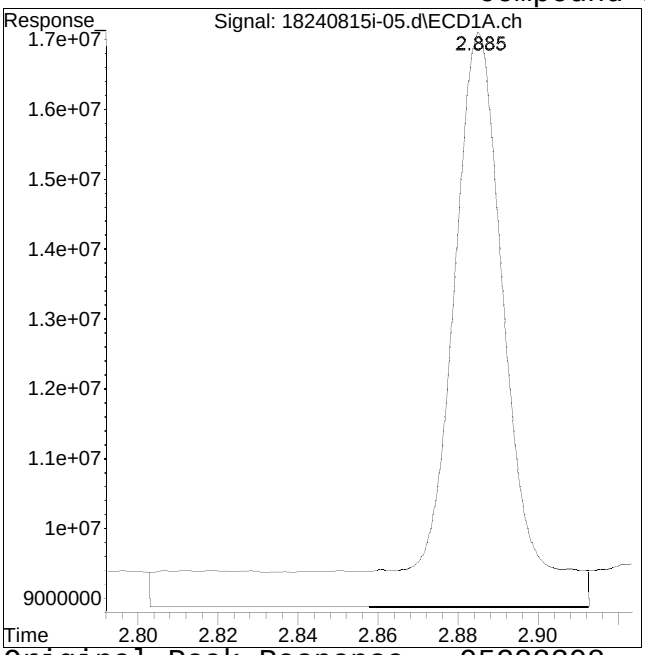
Manual Peak Response = 18746340 M4

M4 = Poor automated baseline construction.

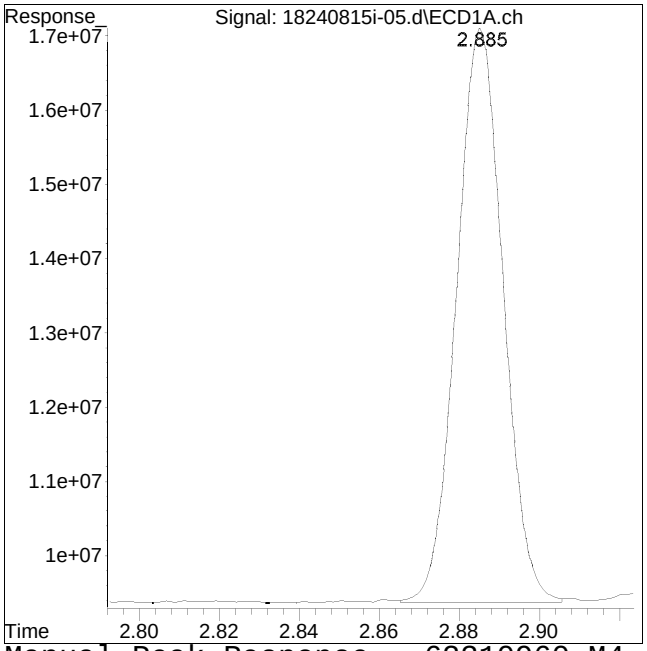
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #7: delta-BHC



Original Peak Response = 95222398



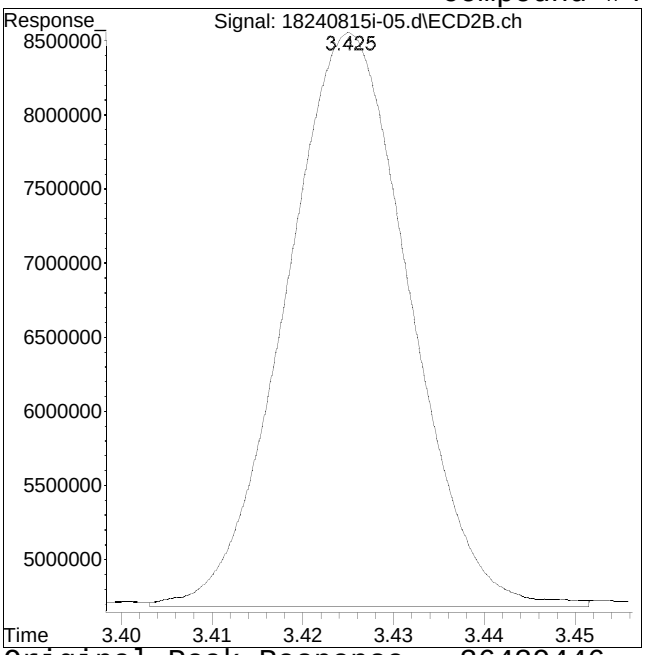
Manual Peak Response = 62310960 M4

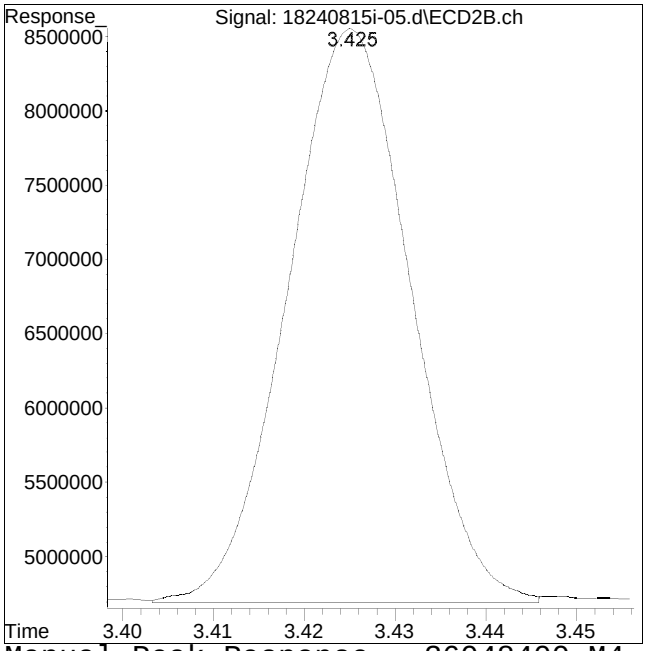
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #45: delta-BHC #2



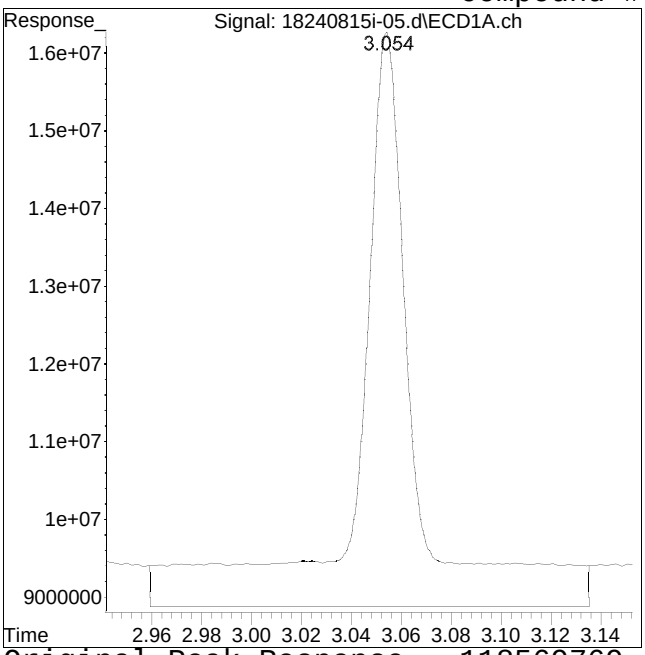


Original Peak Response = 36439446 Manual Peak Response = 36048400 M4
M4 = Poor automated baseline construction.

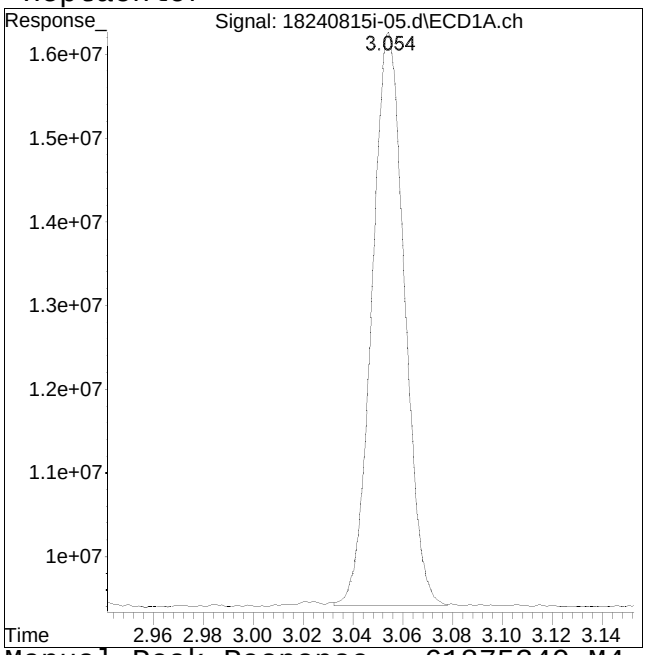
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #8: Heptachlor



Original Peak Response = 118569769



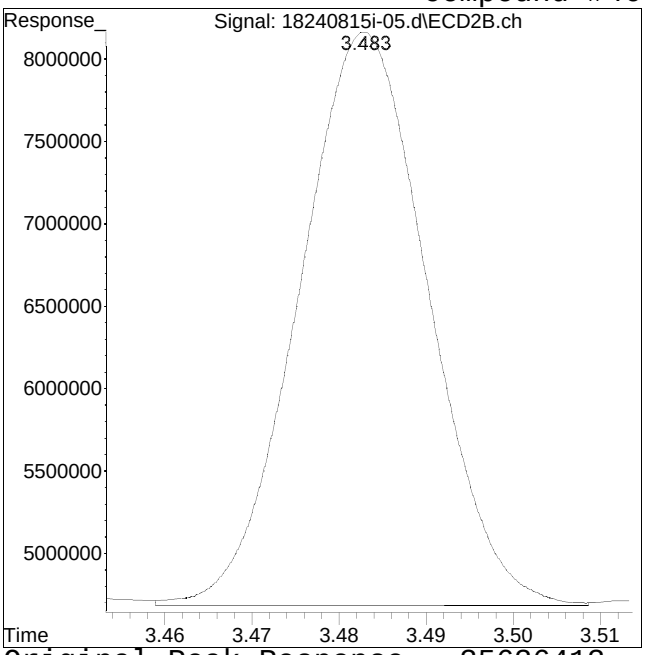
Manual Peak Response = 61875340 M4

M4 = Poor automated baseline construction.

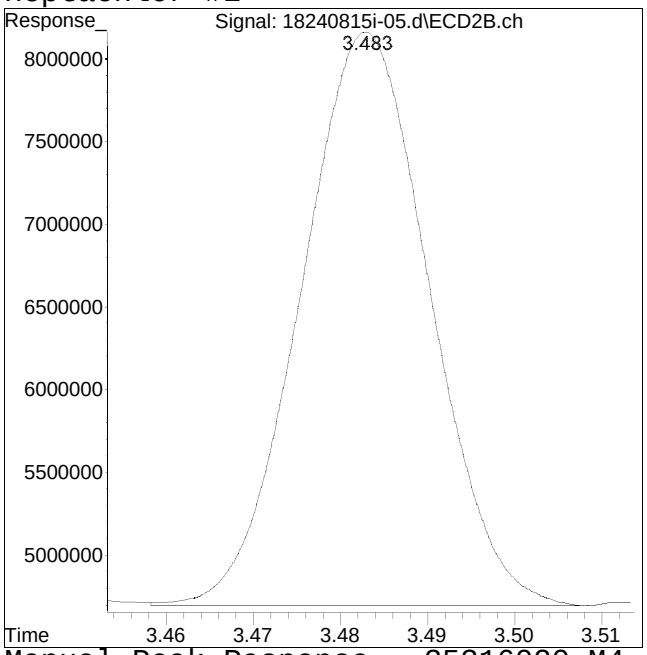
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #46: Heptachlor #2



Original Peak Response = 35636413



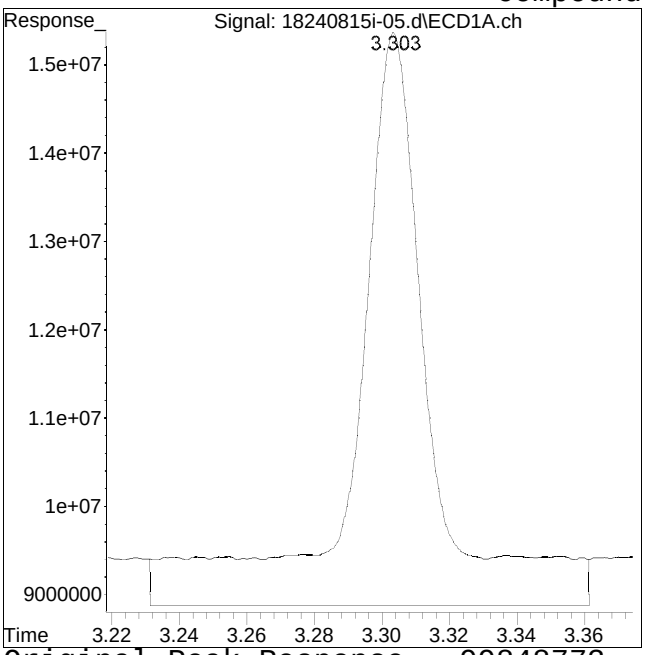
Manual Peak Response = 35316020 M4

M4 = Poor automated baseline construction.

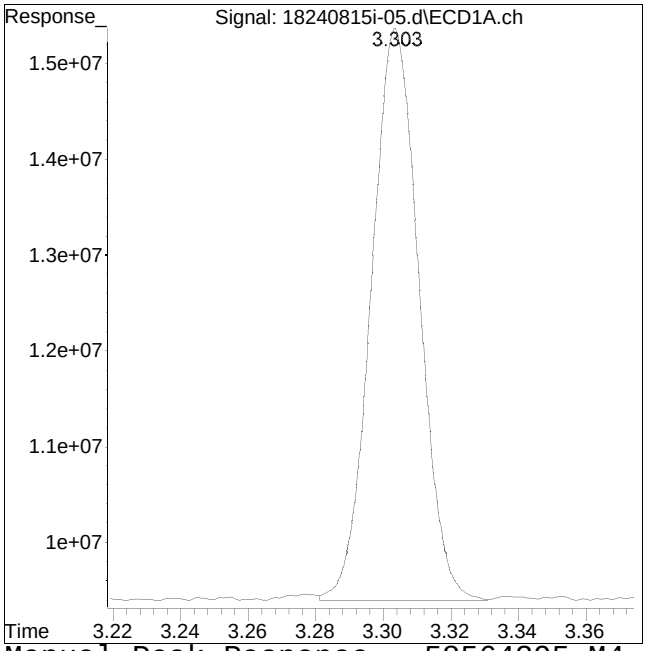
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #9: Aldrin



Original Peak Response = 99848773



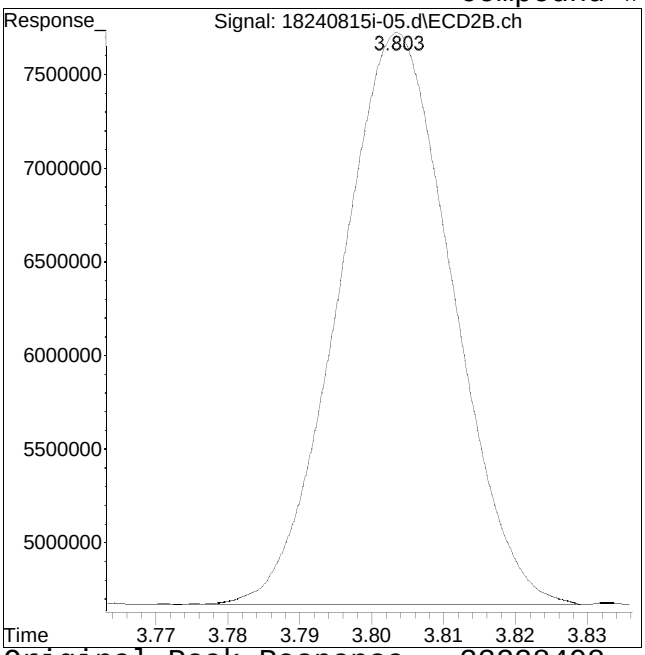
Manual Peak Response = 58564395 M4

M4 = Poor automated baseline construction.

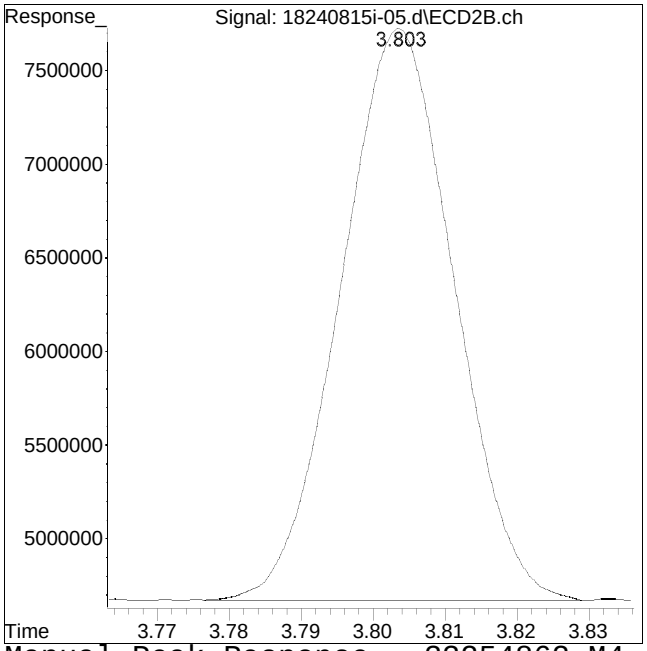
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #47: Aldrin #2



Original Peak Response = 33238498



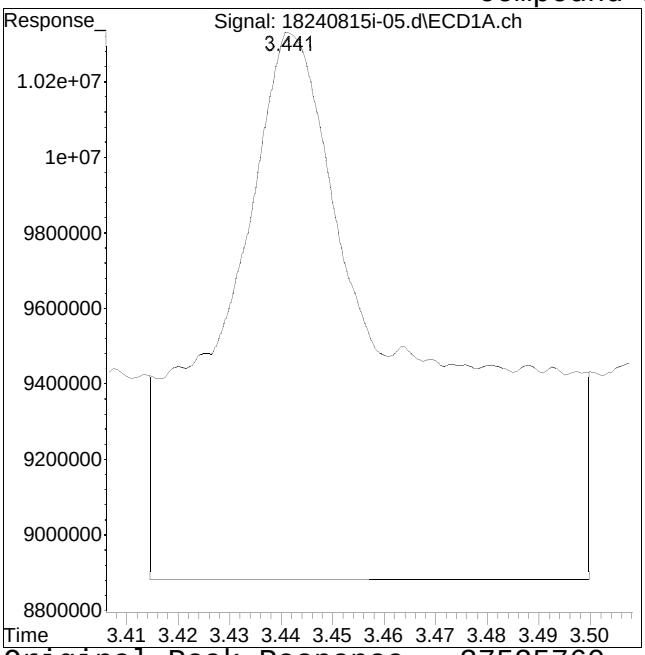
Manual Peak Response = 33254862 M4

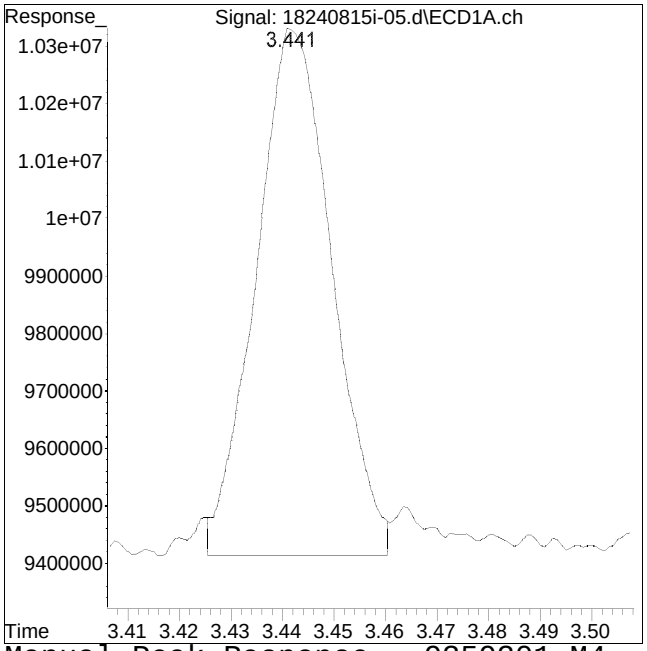
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #10: Alachlor



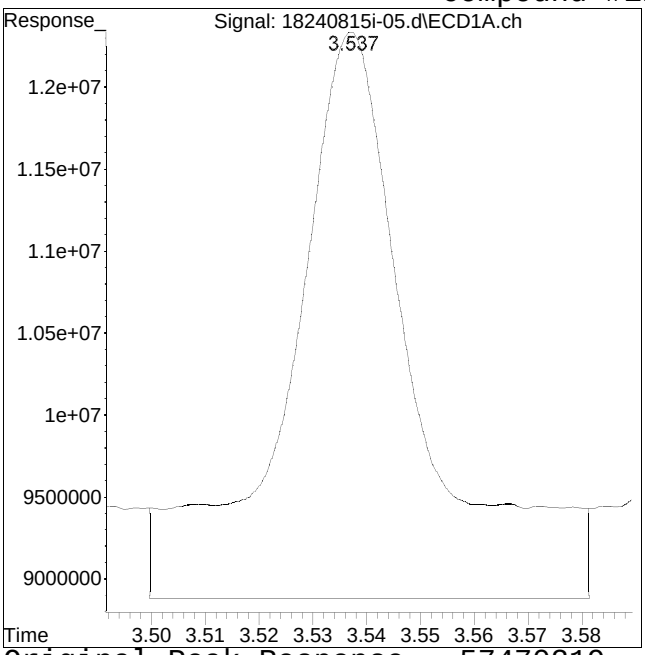


Original Peak Response = 37525760 Manual Peak Response = 9359301 M4
M4 = Poor automated baseline construction.

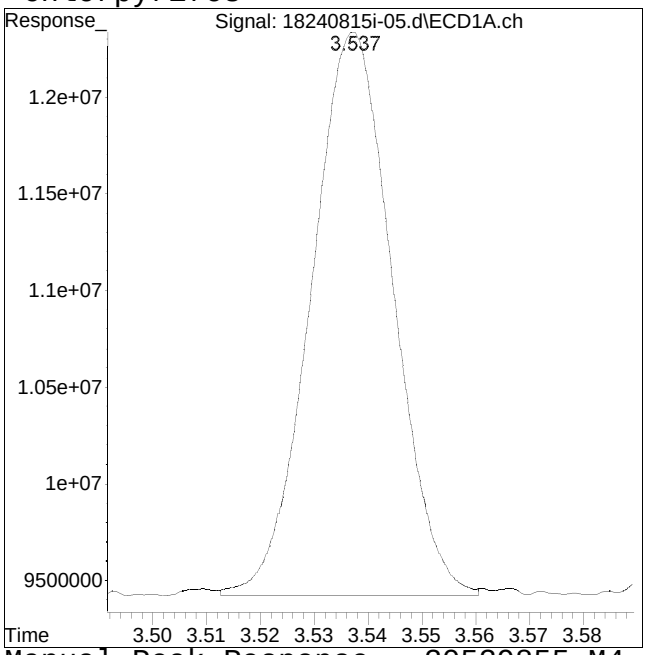
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #11: Chlorpyrifos



Original Peak Response = 57470219



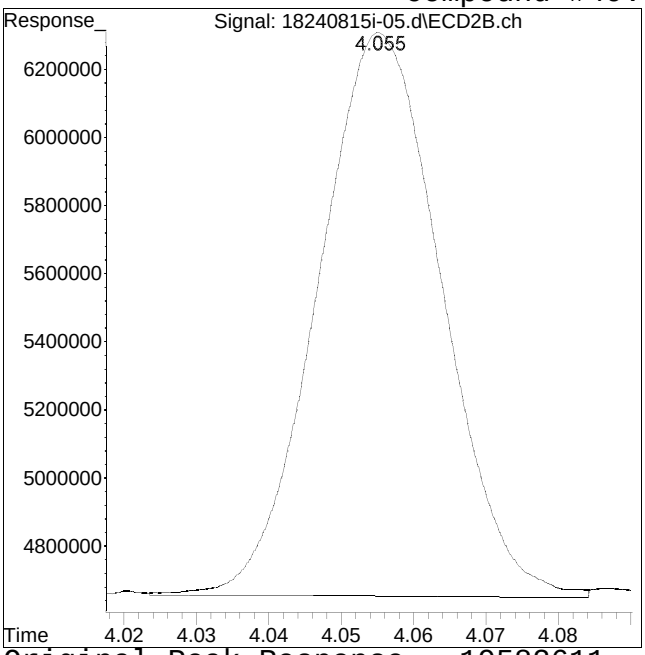
Manual Peak Response = 30539855 M4

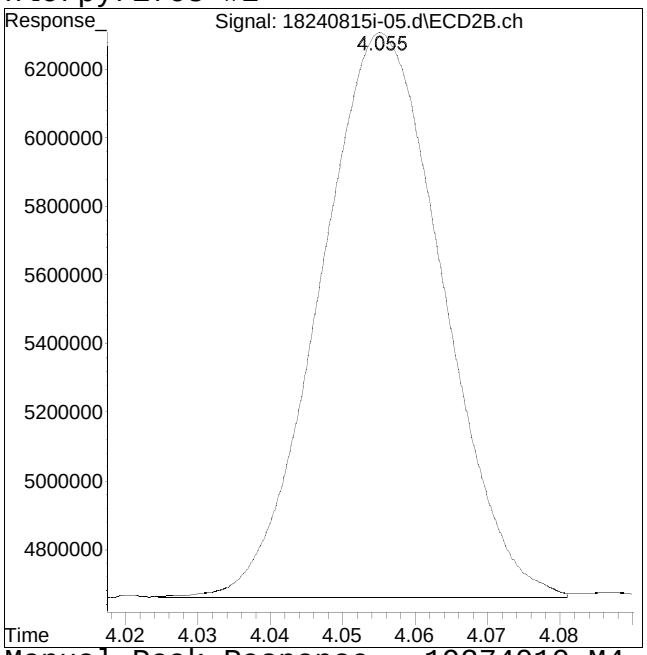
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #49: Chlorpyrifos #2



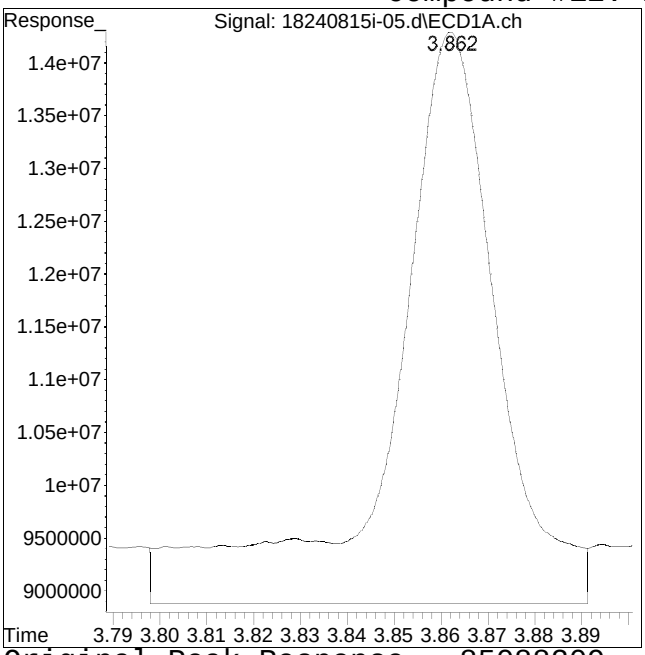


Original Peak Response = 19582611 Manual Peak Response = 19274010 M4
M4 = Poor automated baseline construction.

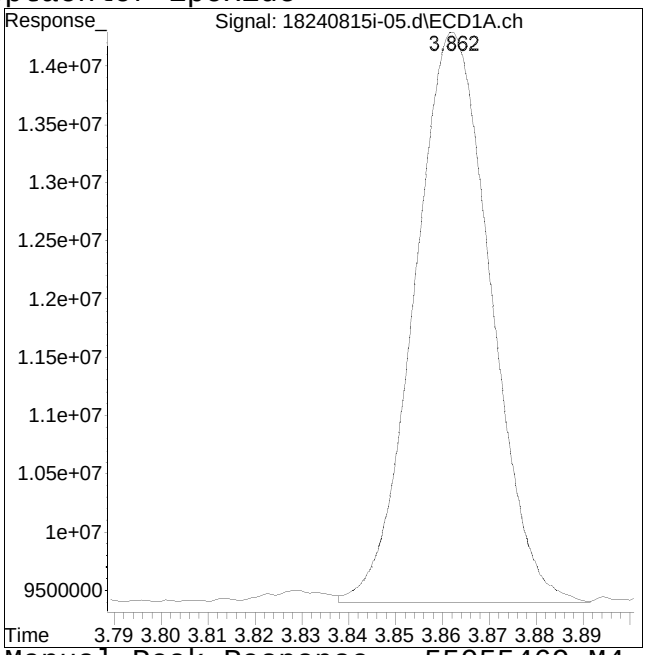
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 85088209



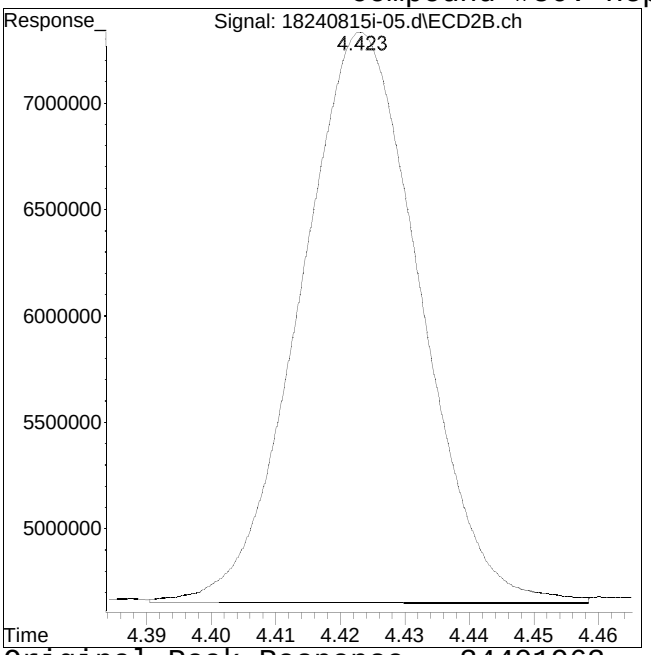
Manual Peak Response = 55055469 M4

M4 = Poor automated baseline construction.

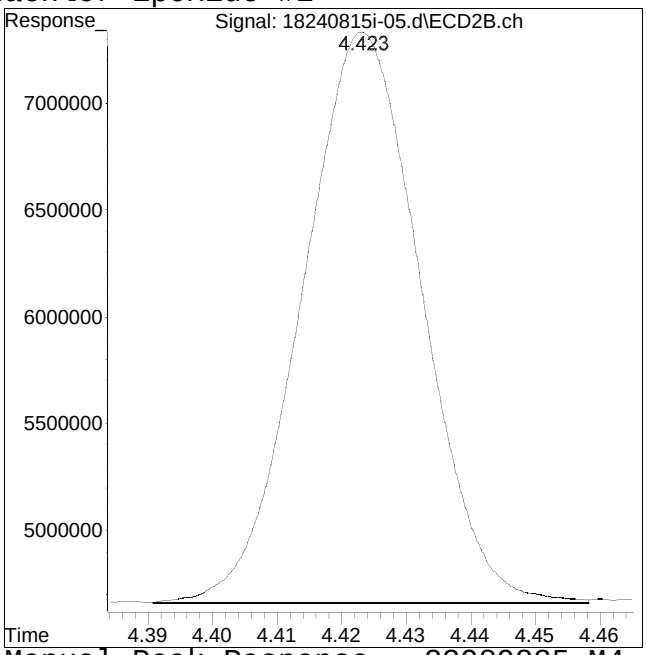
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 34401963



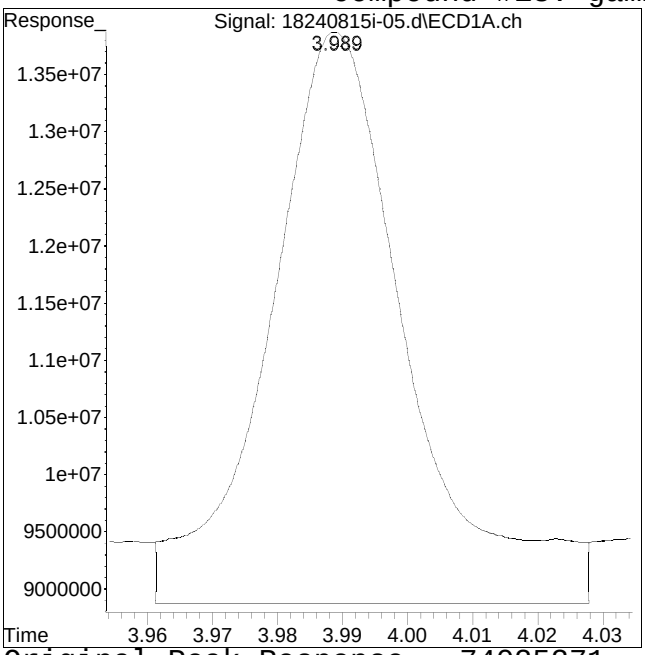
Manual Peak Response = 33989835 M4

M4 = Poor automated baseline construction.

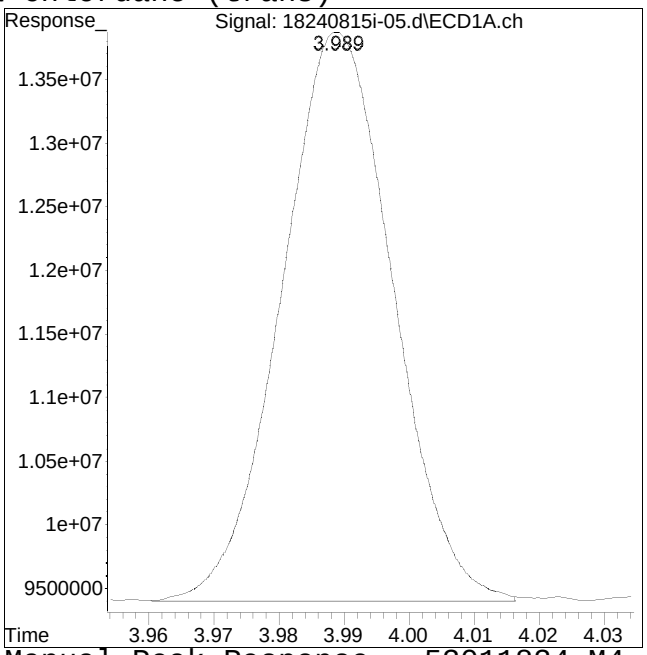
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 74025271



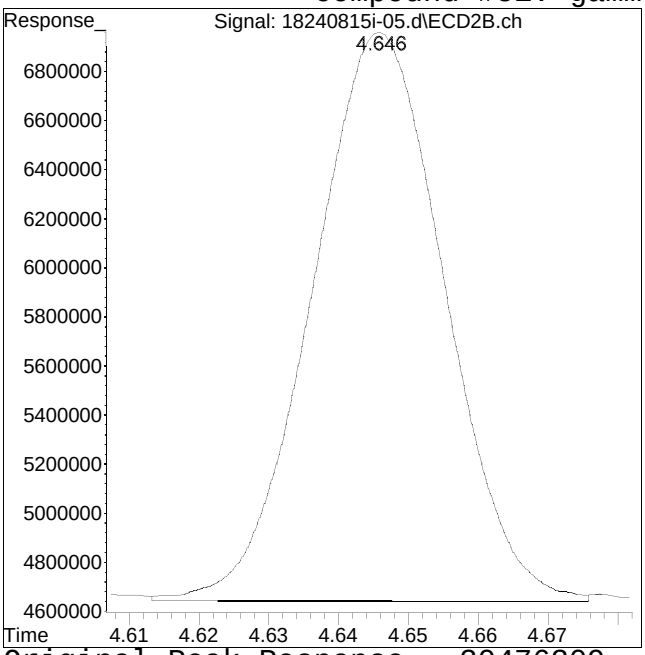
Manual Peak Response = 53011834 M4

M4 = Poor automated baseline construction.

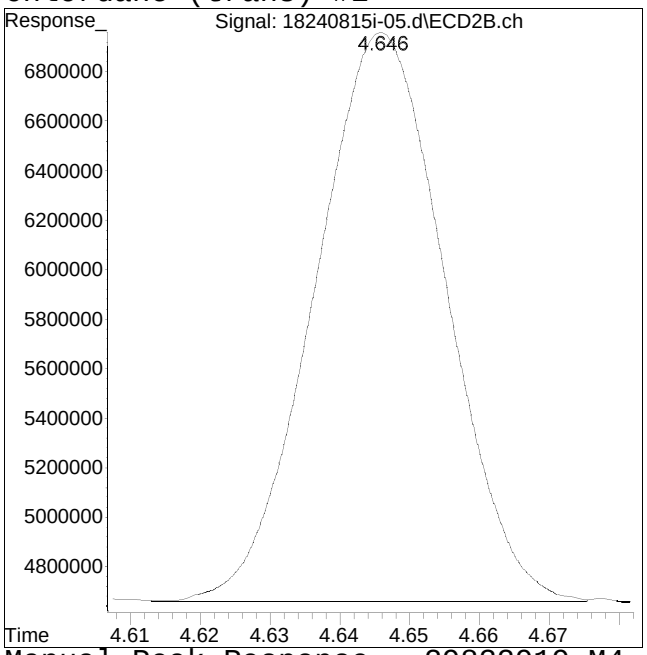
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 30476309



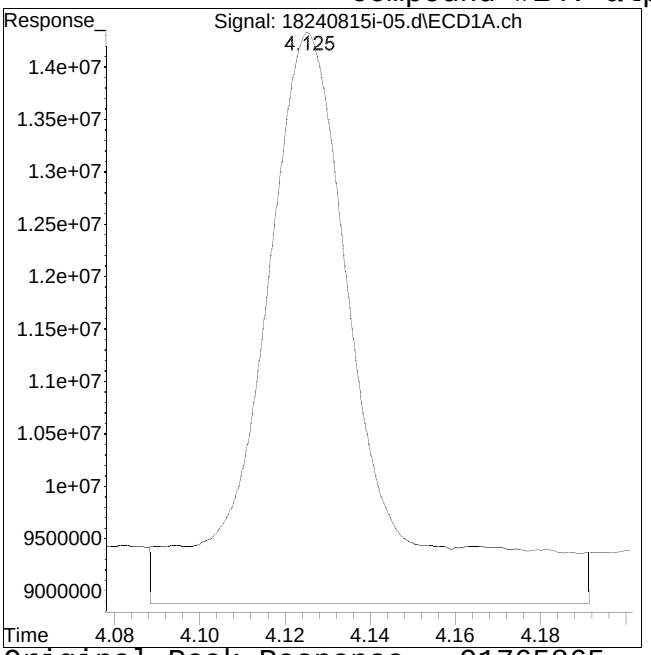
Manual Peak Response = 29832919 M4

M4 = Poor automated baseline construction.

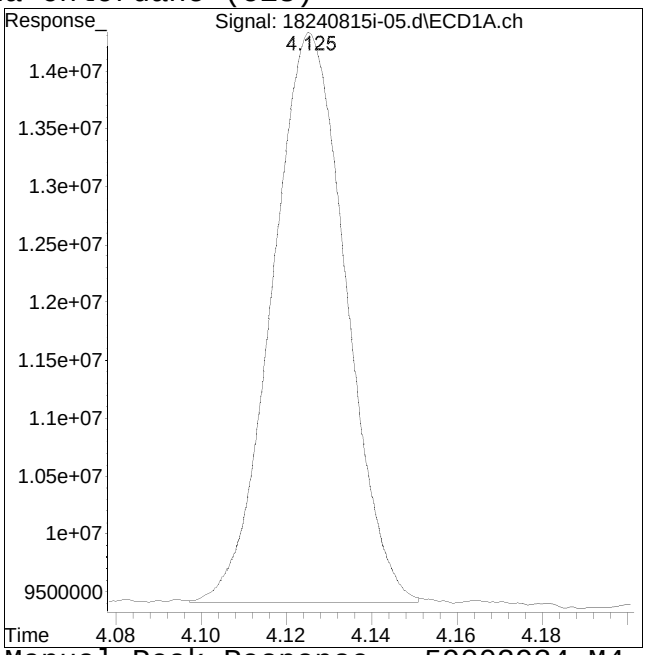
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 91765865



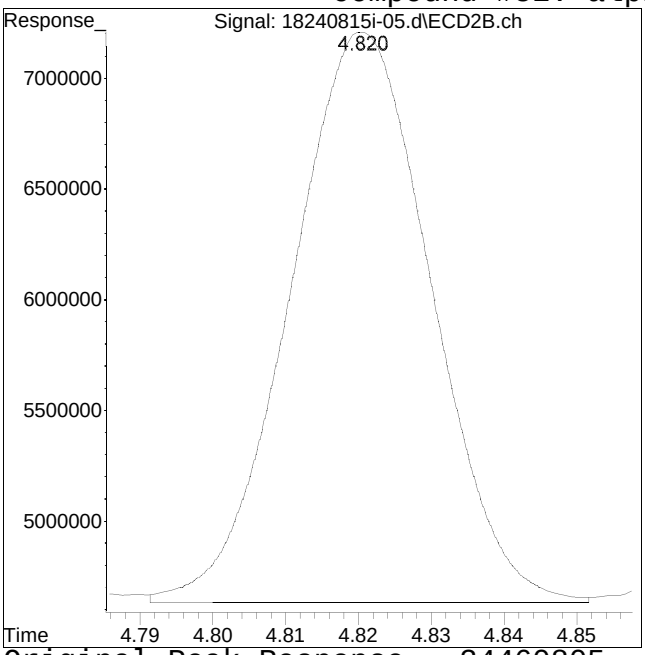
Manual Peak Response = 59002934 M4

M4 = Poor automated baseline construction.

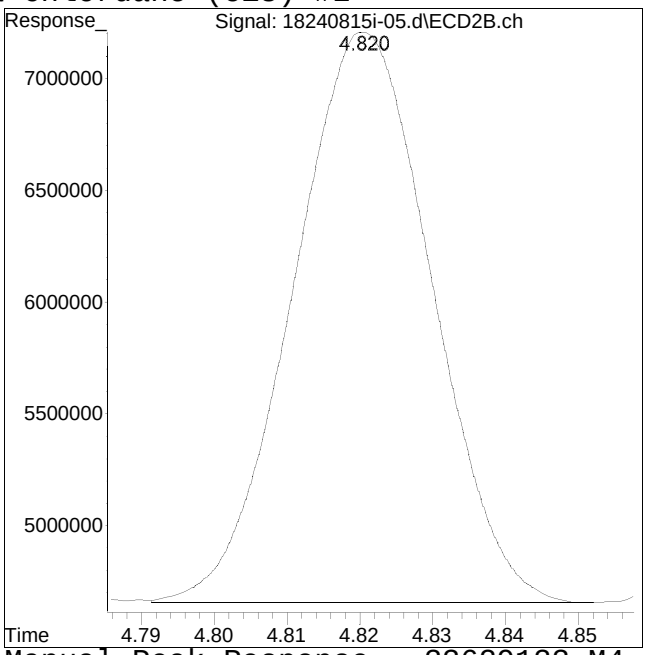
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 34460805



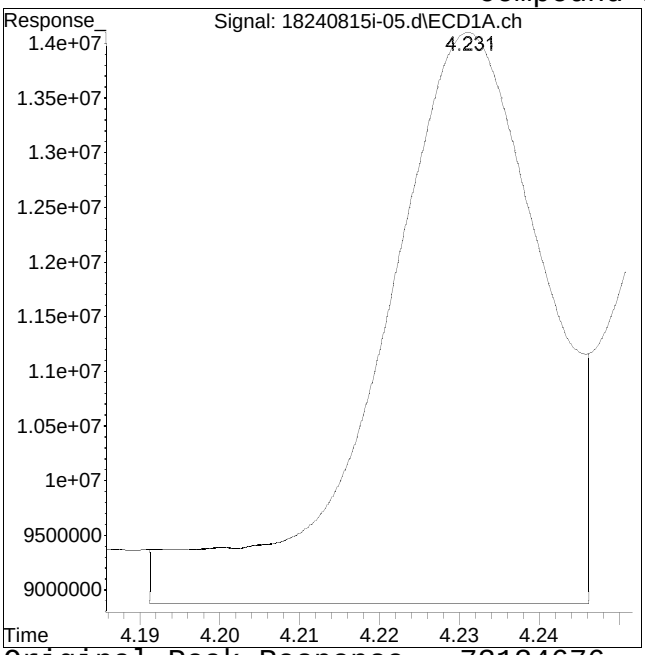
Manual Peak Response = 33629133 M4

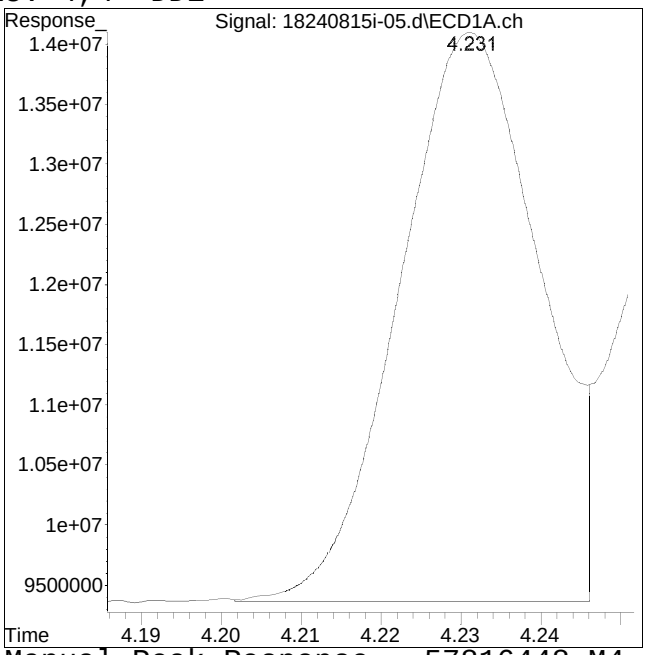
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #15: 4,4'-DDE



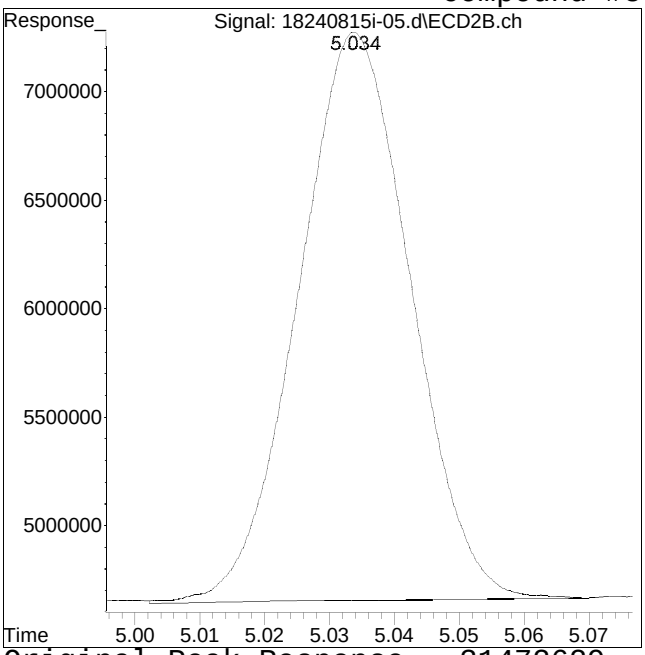


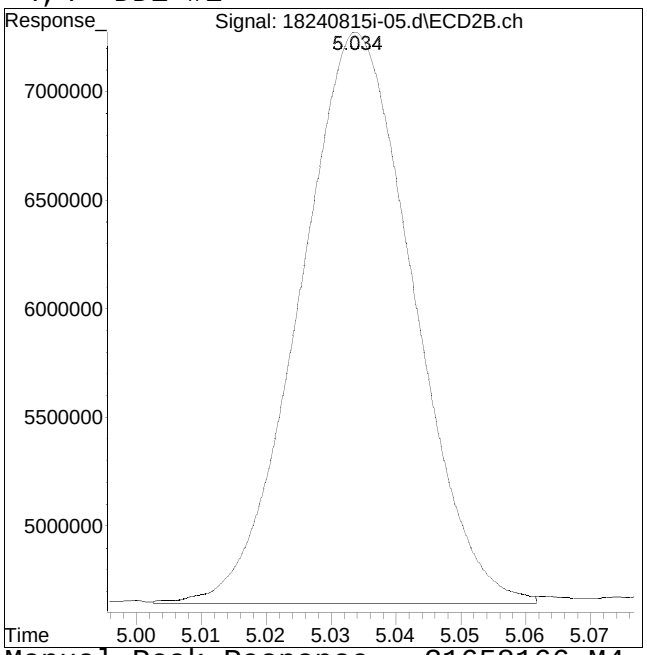
Original Peak Response = 73134676 Manual Peak Response = 57816448 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #53: 4,4'-DDE #2



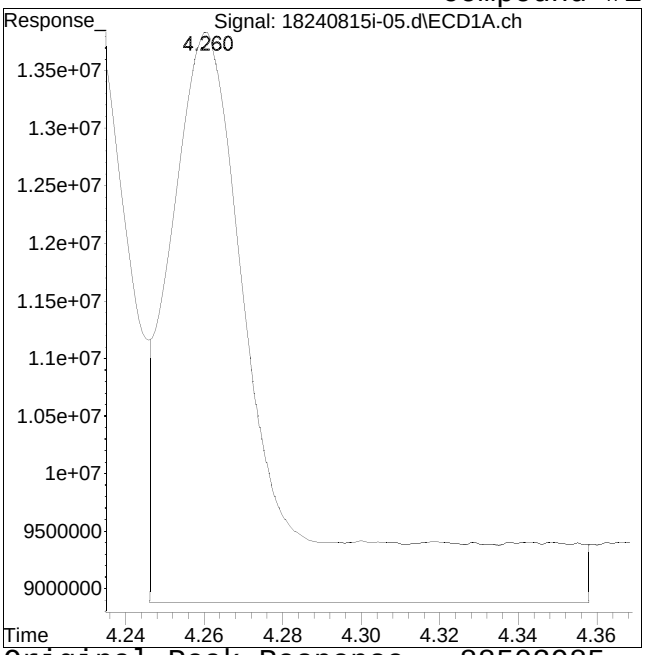


Original Peak Response = 31472629 Manual Peak Response = 31658166 M4
M4 = Poor automated baseline construction.

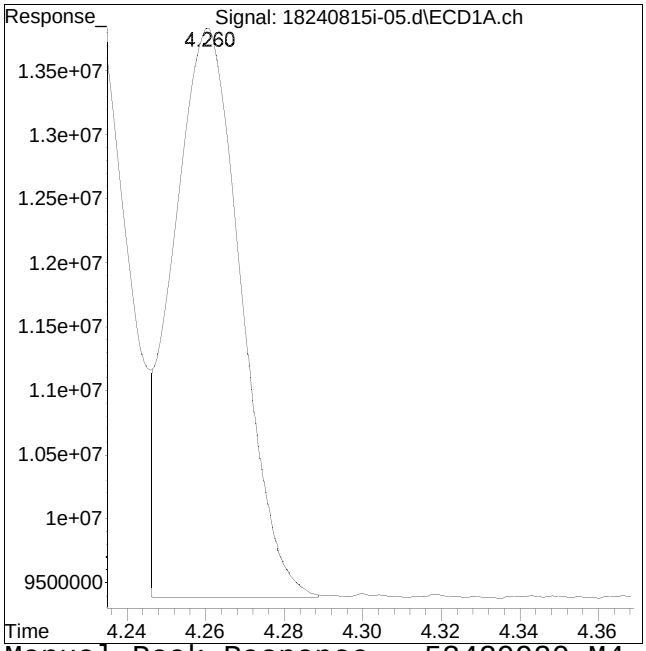
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #16: Endosulfan I



Original Peak Response = 88503985

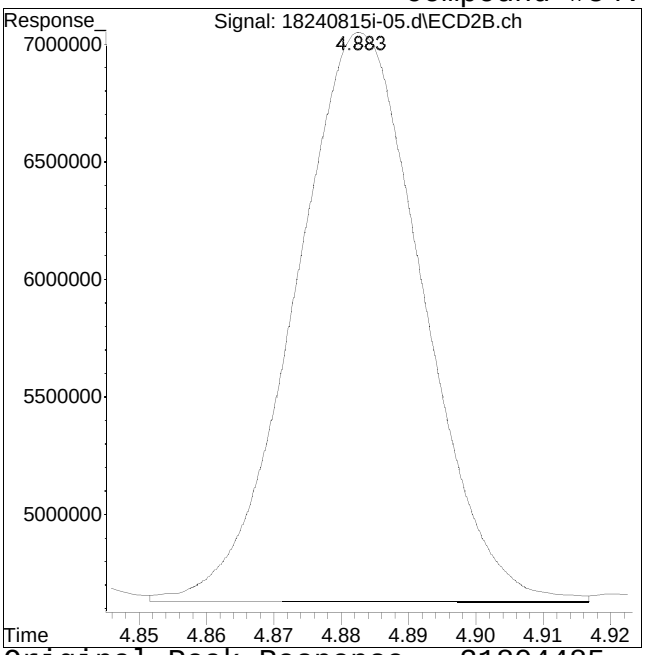


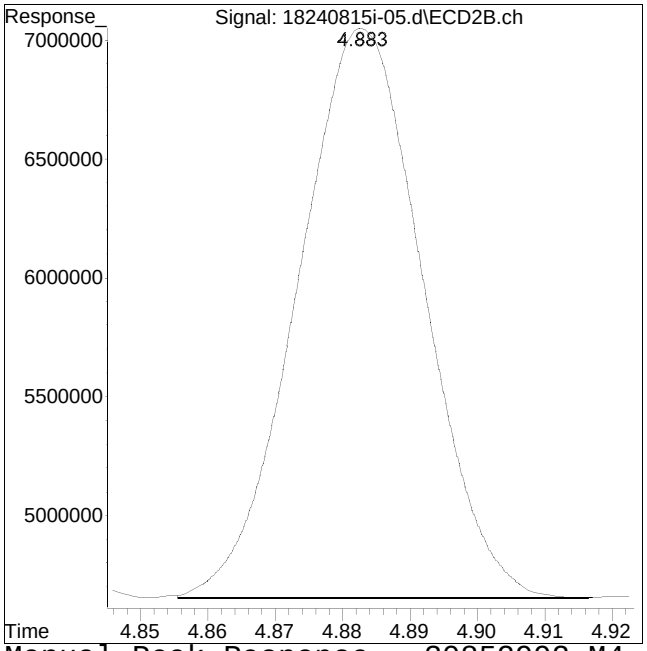
Manual Peak Response = 53429920 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #54: Endosulfan I #2





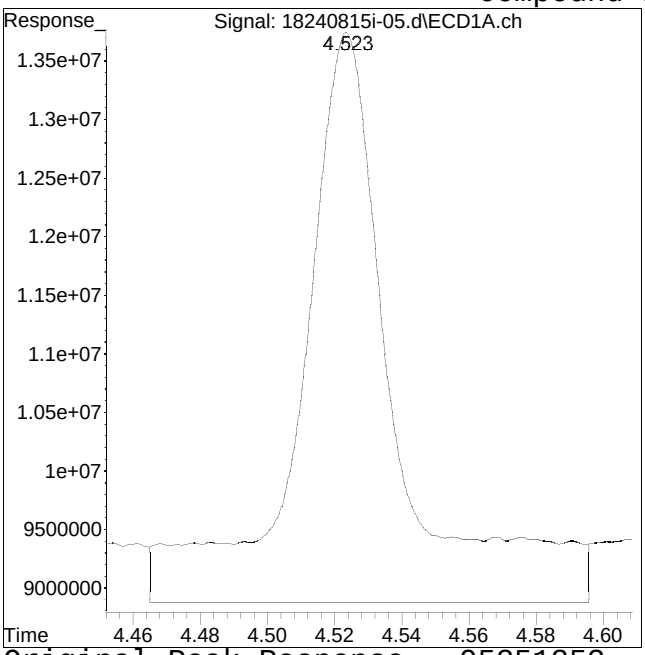
Original Peak Response = 31804485 Manual Peak Response = 30852992 M4
M4 = Poor automated baseline construction.

Manual Integration Report

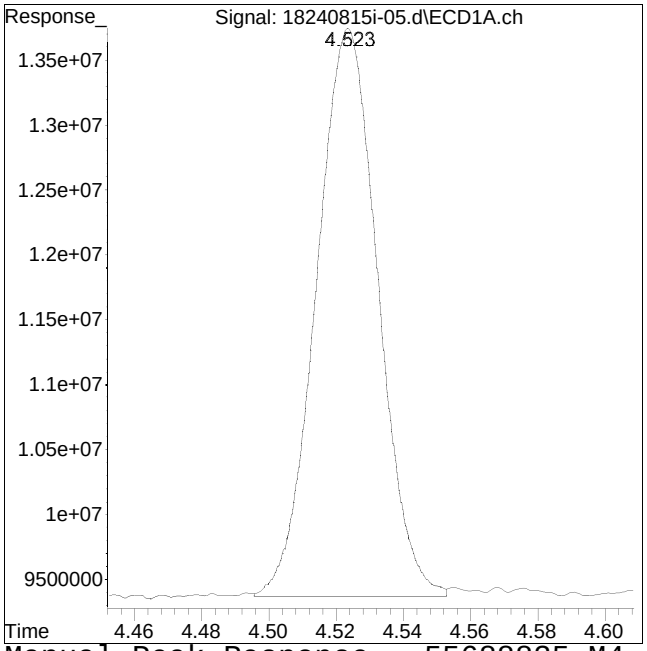
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-05.d
Date Inj'd : 8/15/2024 14:28
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 8:36 am

Compound #17: Dieldrin



Original Peak Response = 95351253



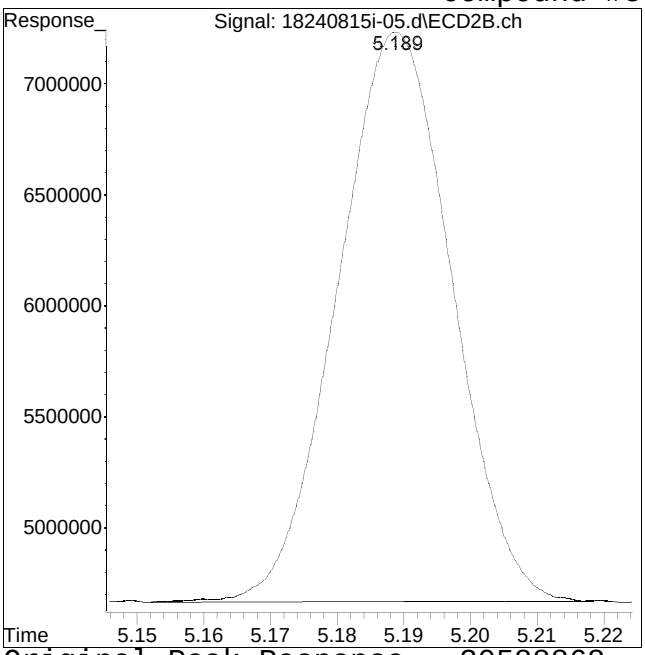
Manual Peak Response = 55688835 M4

M4 = Poor automated baseline construction.

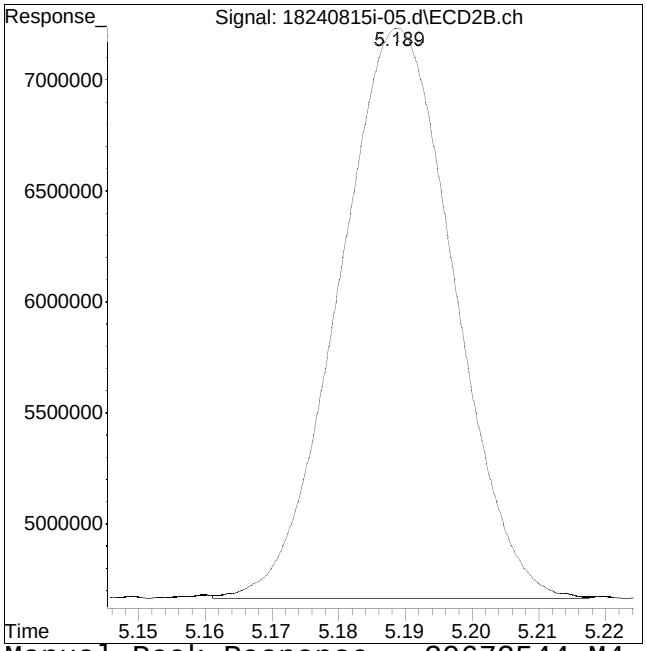
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #55: Dieldrin #2



Original Peak Response = 30588868



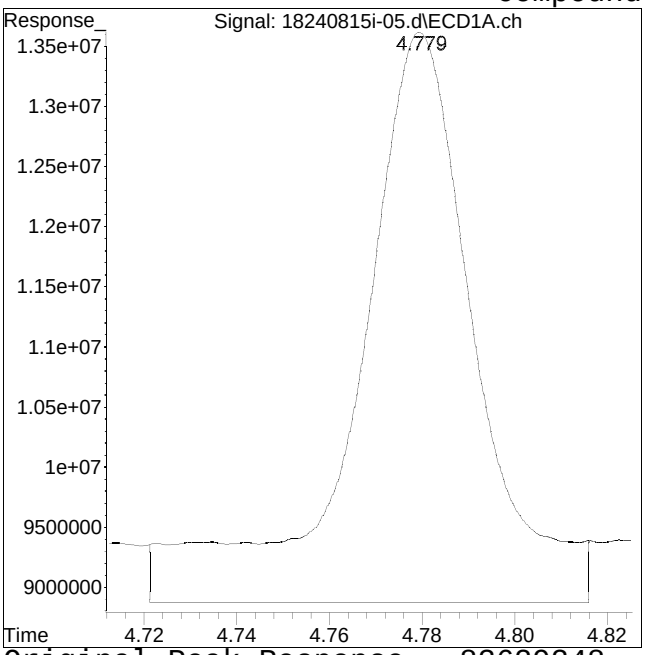
Manual Peak Response = 30672544 M4

M4 = Poor automated baseline construction.

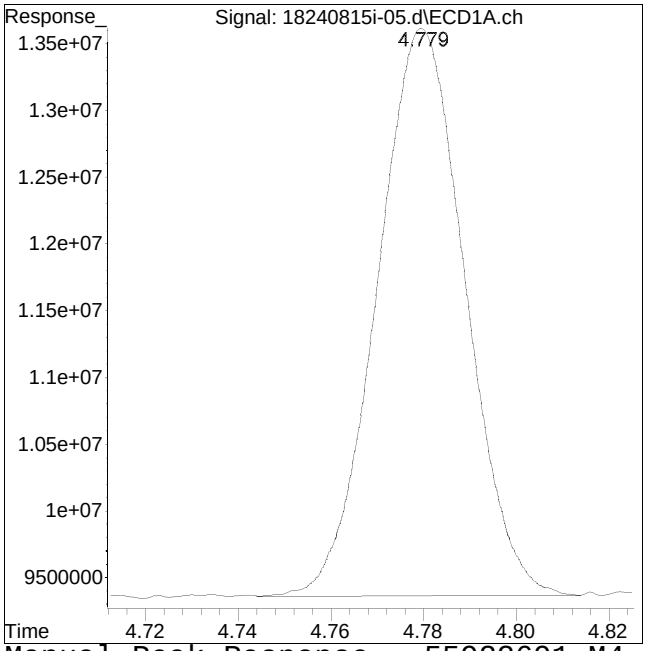
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #18: Endrin



Original Peak Response = 83629248



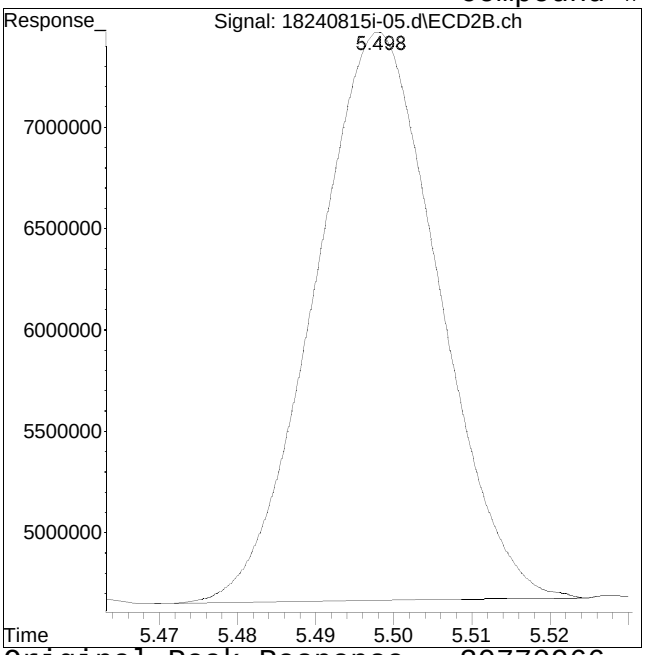
Manual Peak Response = 55922691 M4

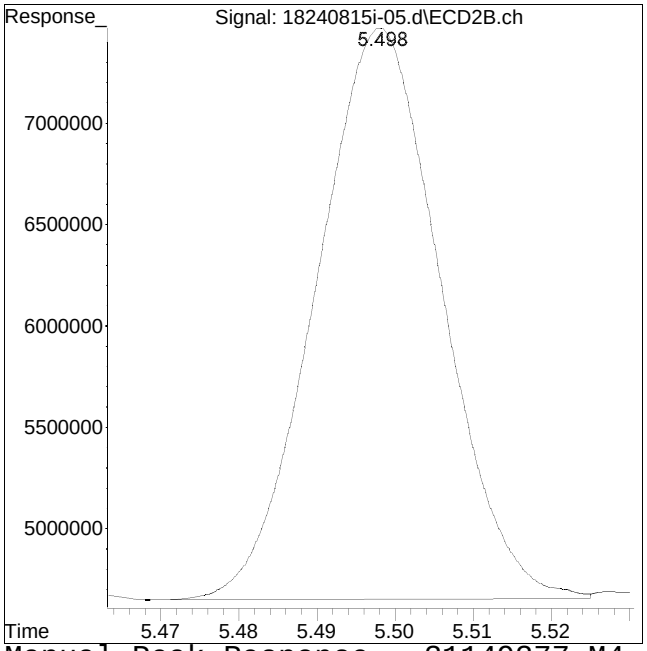
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #56: Endrin #2



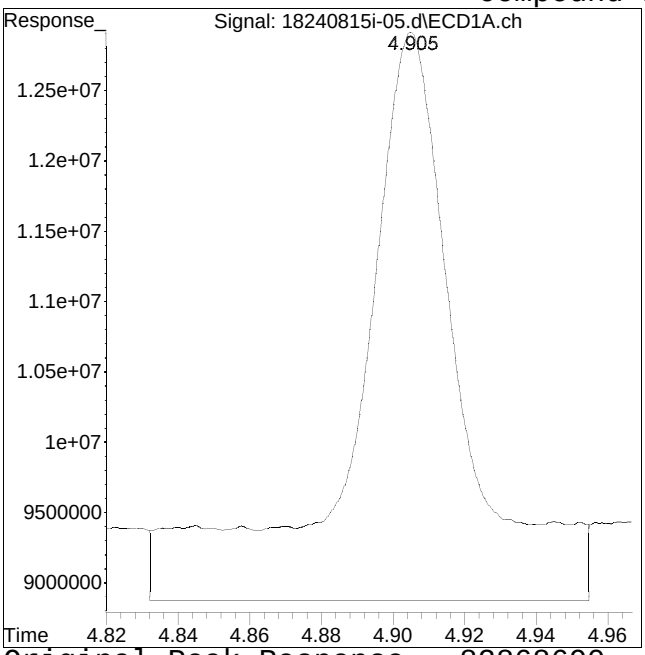


Original Peak Response = 30770966 Manual Peak Response = 31149377 M4
M4 = Poor automated baseline construction.

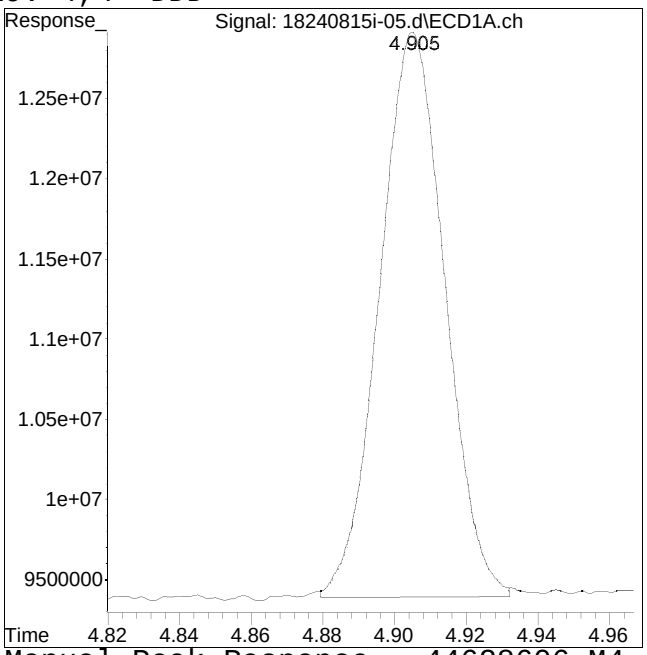
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #19: 4,4'-DDD



Original Peak Response = 82868690



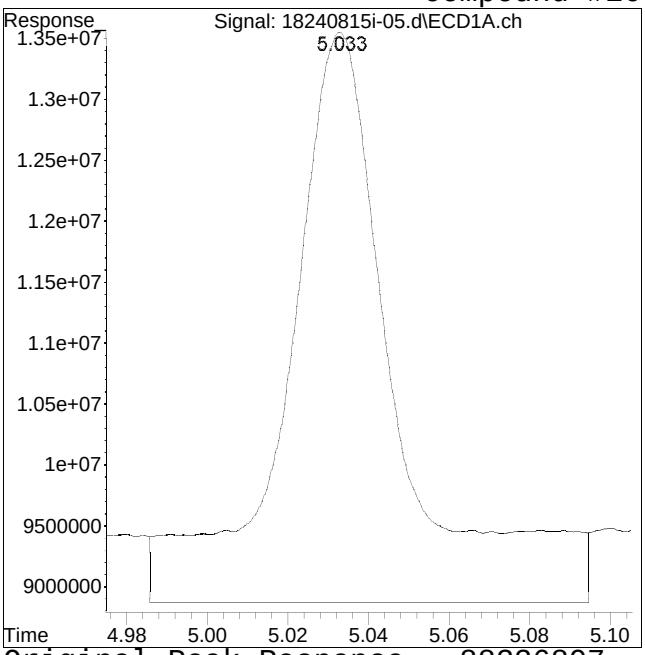
Manual Peak Response = 44628606 M4

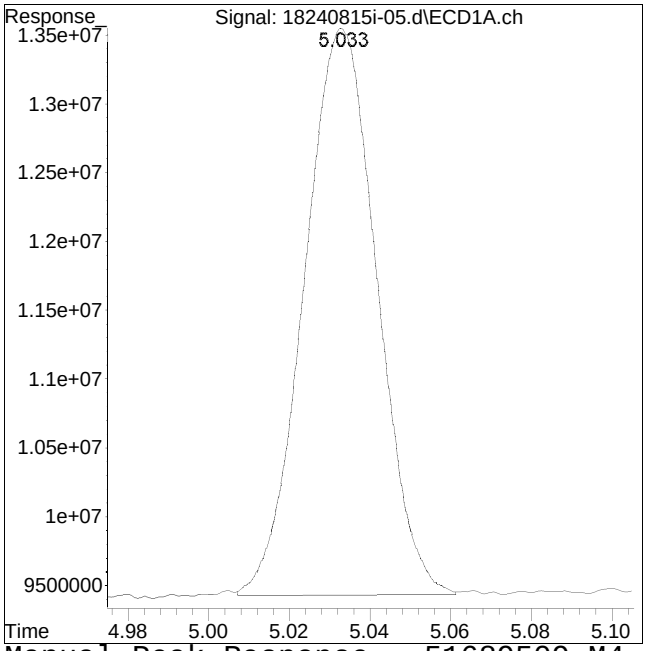
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #20: Endosulfan II



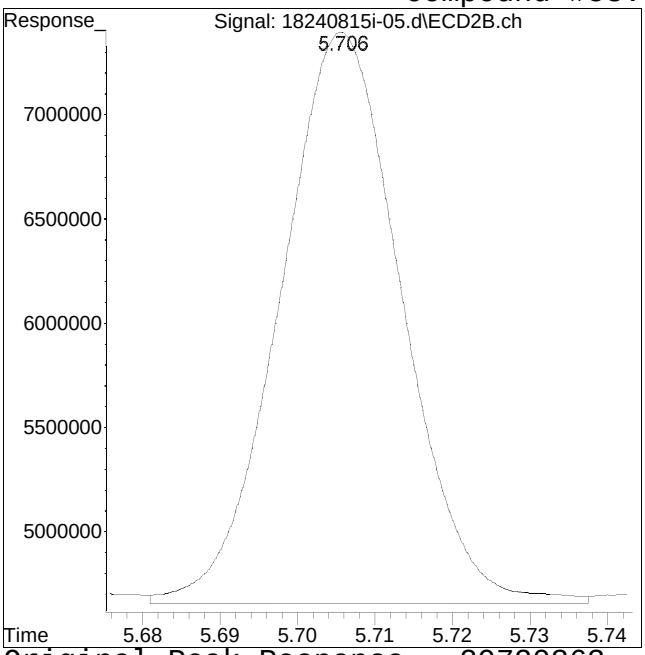


Original Peak Response = 88336897 Manual Peak Response = 51689509 M4
M4 = Poor automated baseline construction.

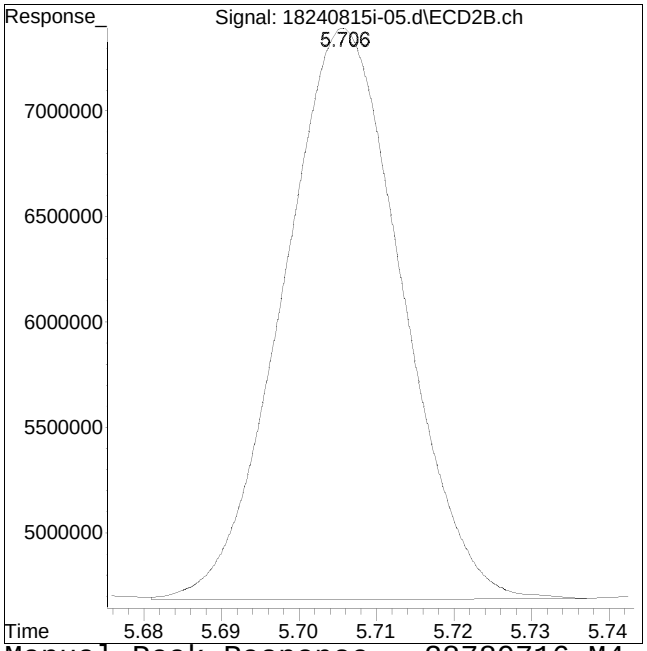
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #58: Endosulfan II #2



Original Peak Response = 29720363



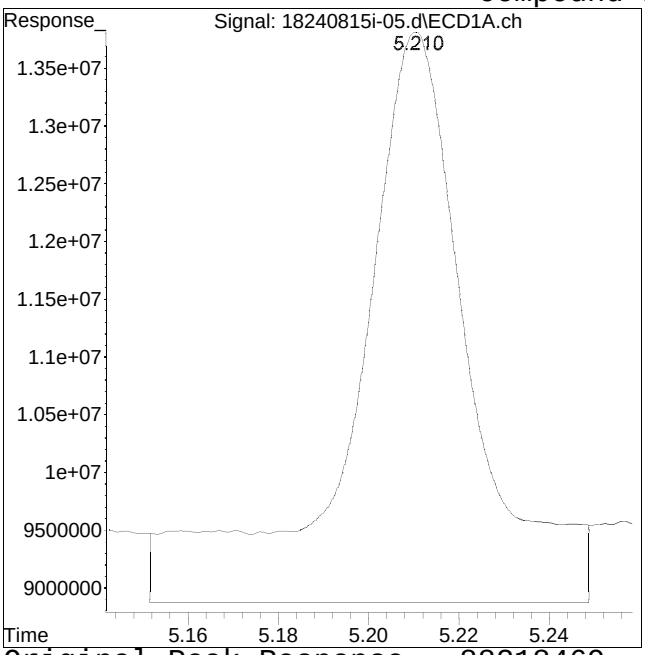
Manual Peak Response = 28780716 M4

M4 = Poor automated baseline construction.

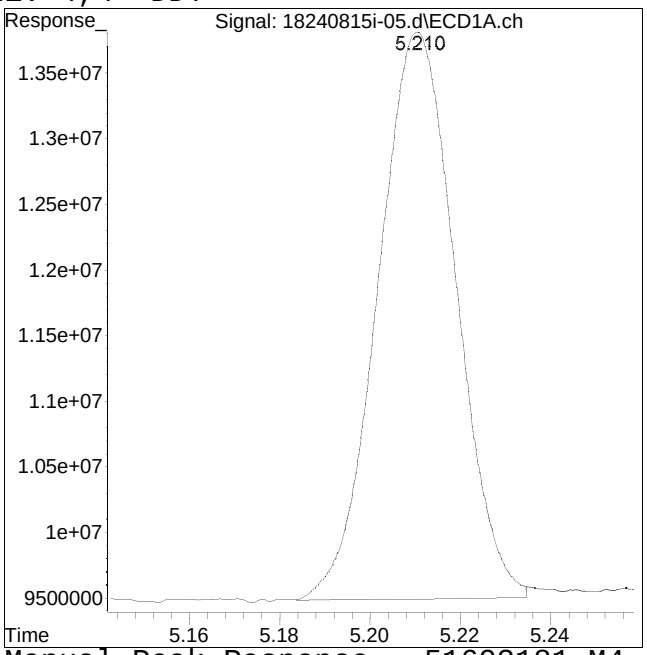
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #21: 4,4'-DDT



Original Peak Response = 88218469

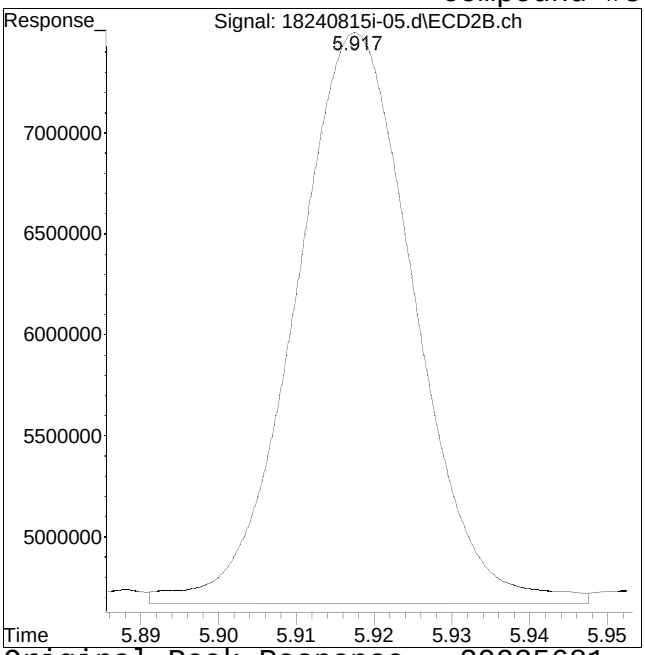


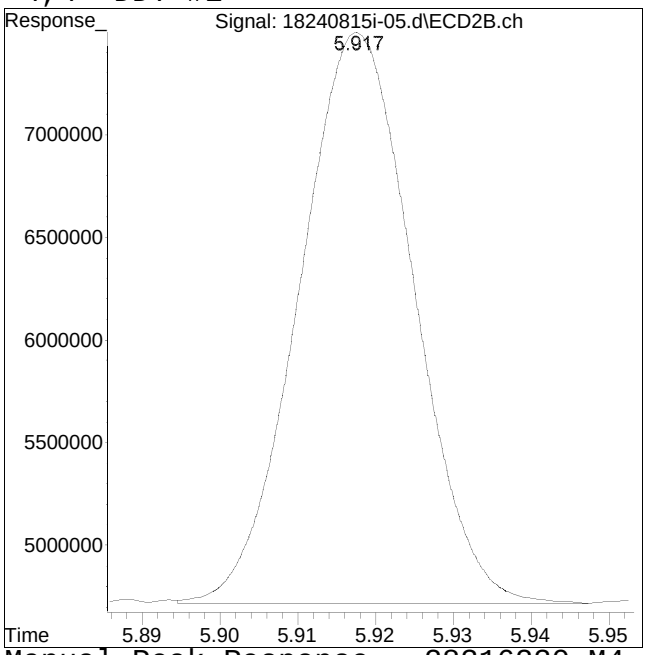
Manual Peak Response = 51693181 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #59: 4,4'-DDT #2



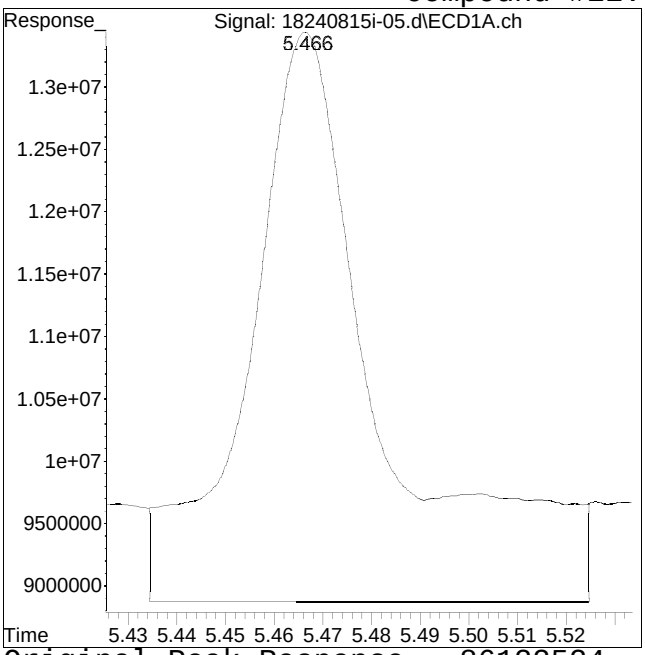


Original Peak Response = 29935681 Manual Peak Response = 28316230 M4
M4 = Poor automated baseline construction.

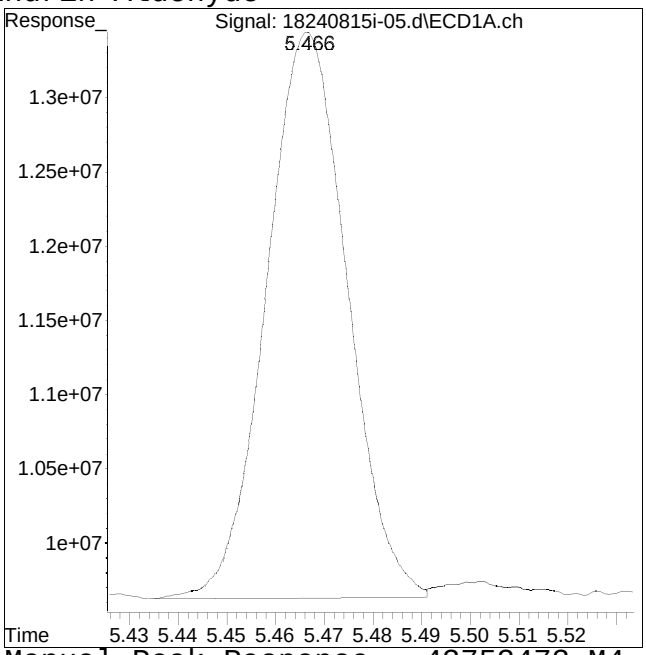
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #22: Endrin Aldehyde



Original Peak Response = 86122524

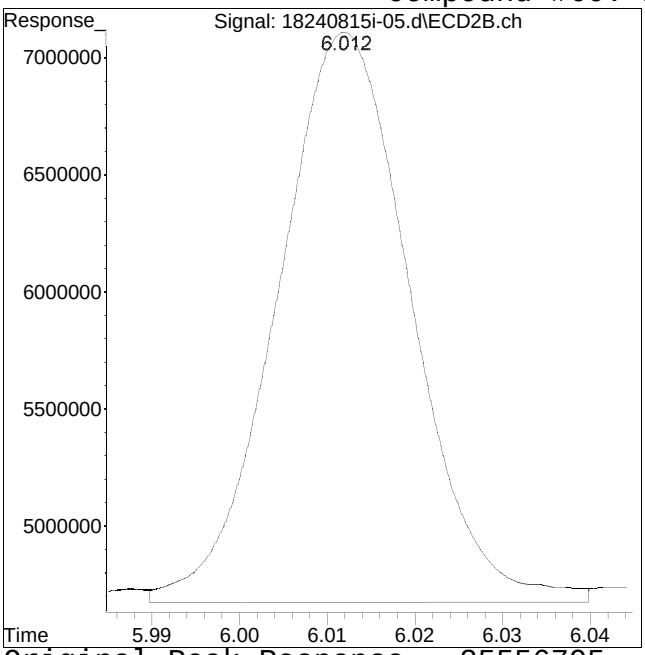


Manual Peak Response = 43753473 M4
M4 = Poor automated baseline construction.

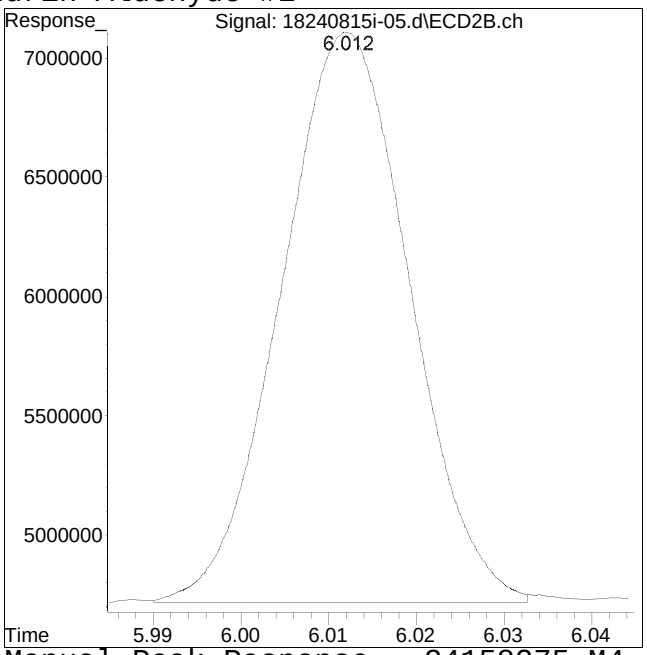
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 25556795



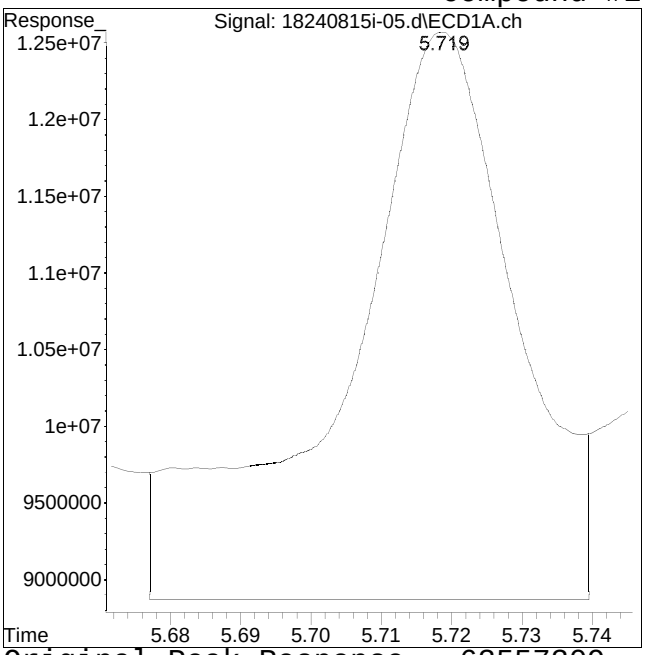
Manual Peak Response = 24158275 M4

M4 = Poor automated baseline construction.

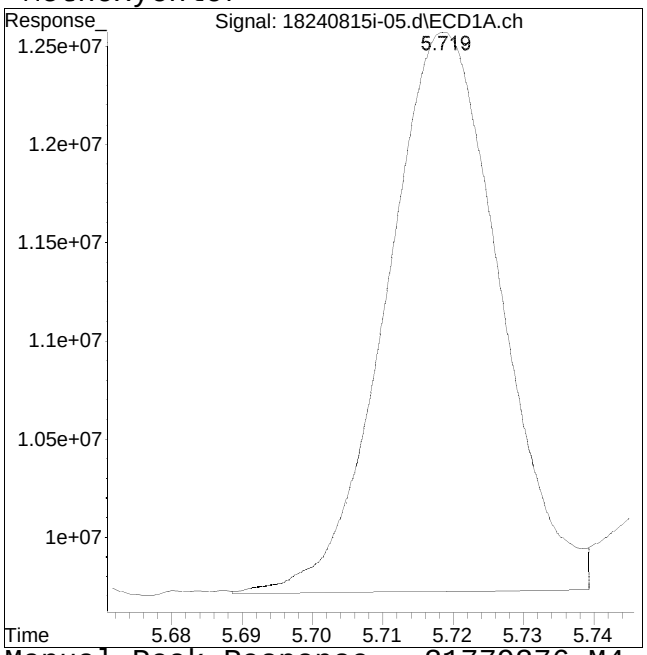
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #23: Methoxychlor



Original Peak Response = 63557309



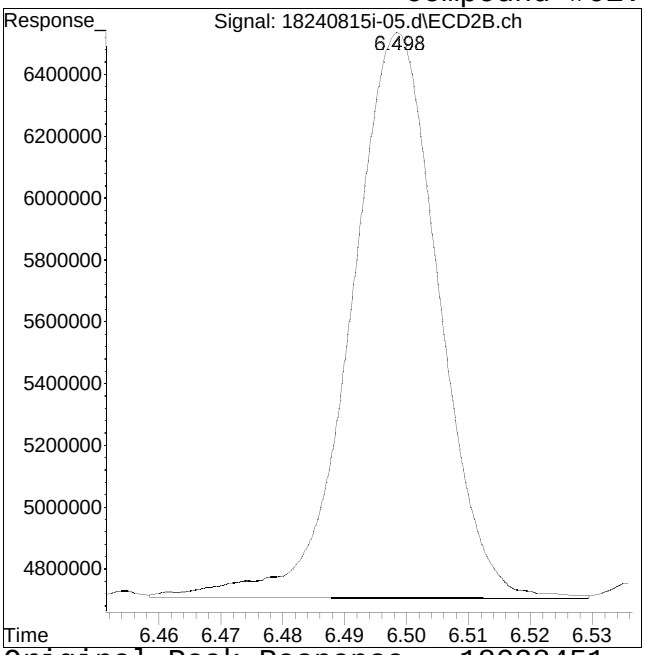
Manual Peak Response = 31779376 M4

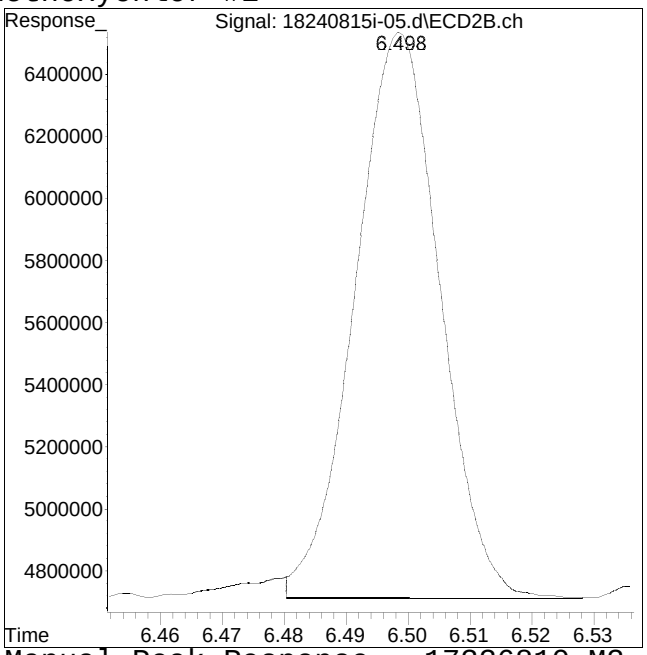
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #61: Methoxychlor #2



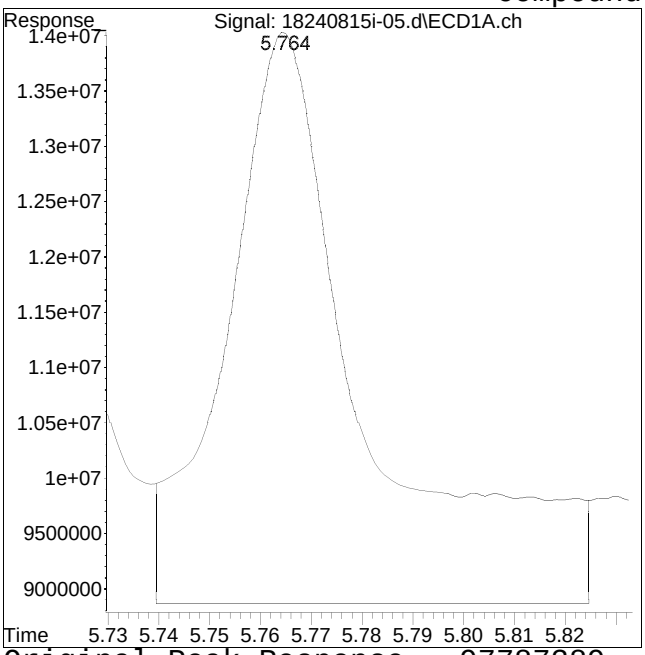


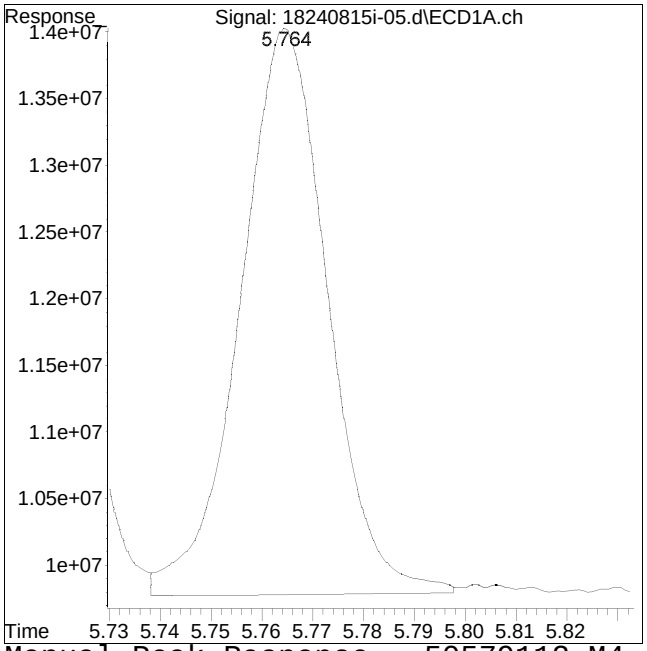
Original Peak Response = 18028451 Manual Peak Response = 17336810 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #24: Mirex



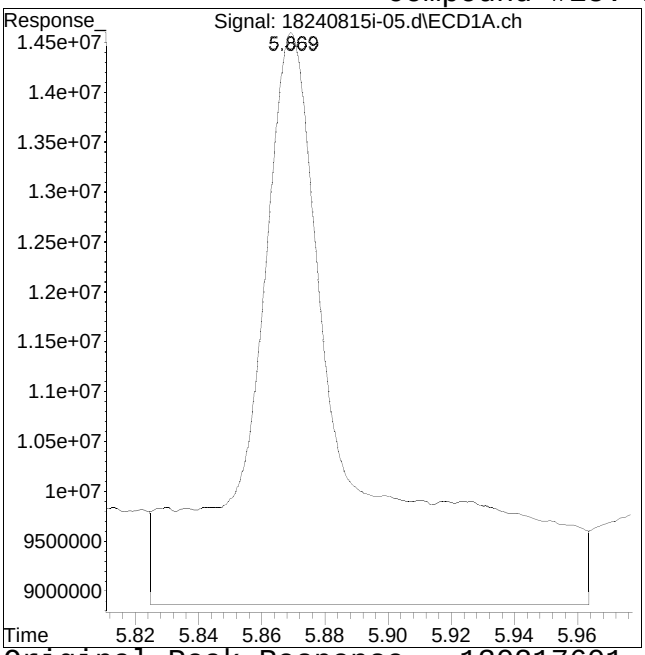


Original Peak Response = 97787389 Manual Peak Response = 50579112 M4
M4 = Poor automated baseline construction.

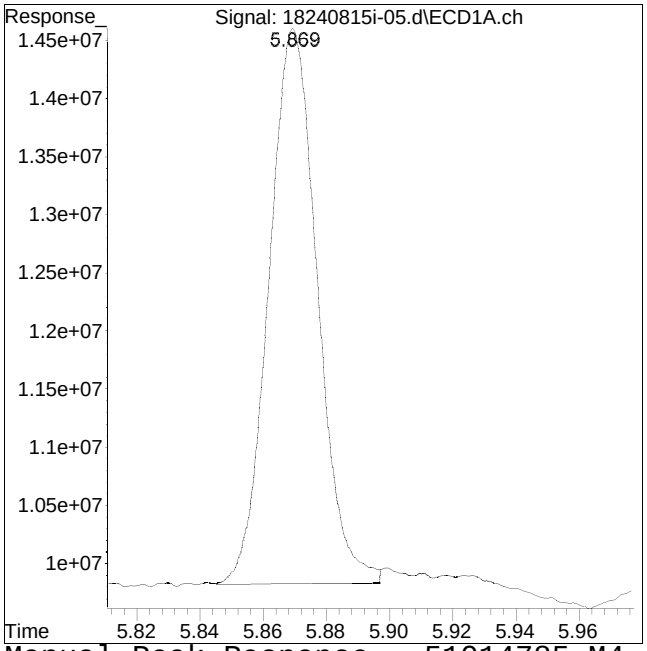
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #25: Endosulfan Sulfate



Original Peak Response = 130217601



Manual Peak Response = 51014785 M4

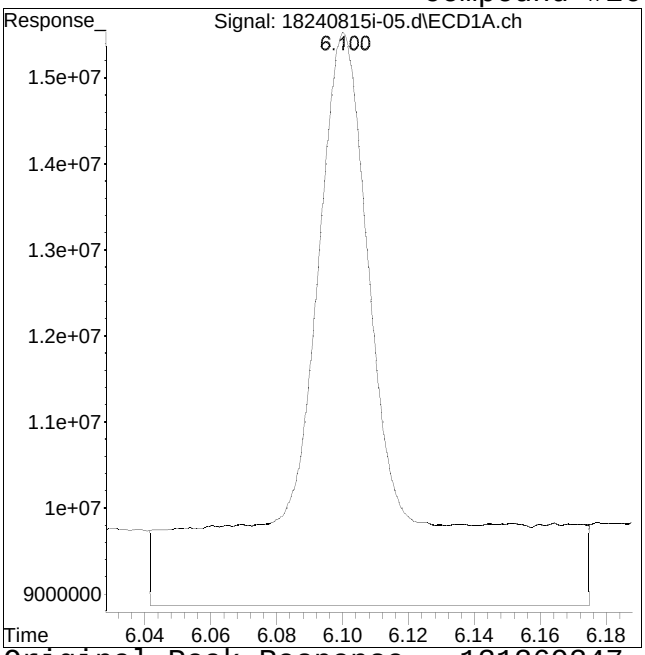
M4 = Poor automated baseline construction.

Manual Integration Report

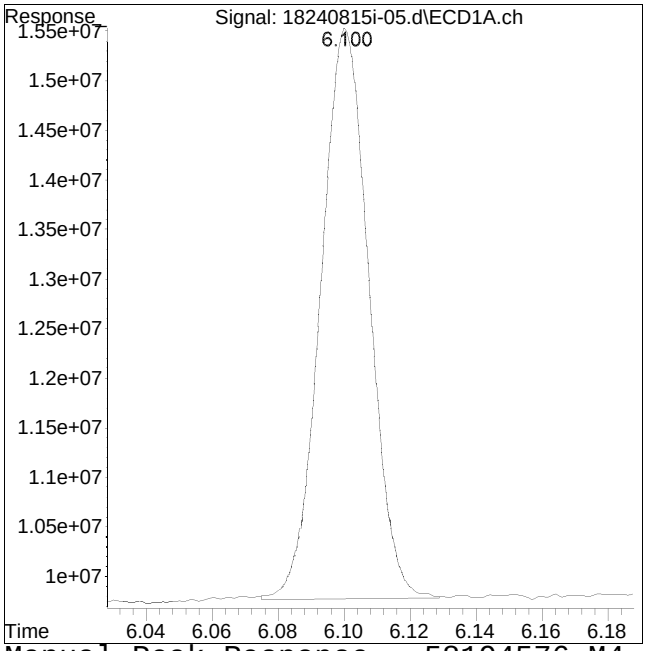
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-05.d
Date Inj'd : 8/15/2024 14:28
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 8:36 am

Compound #26: Endrin Ketone



Original Peak Response = 131369347



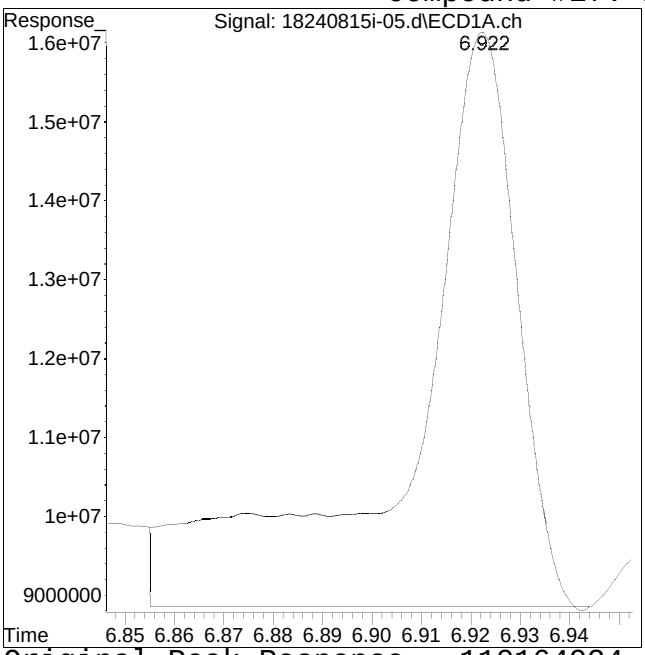
Manual Peak Response = 58194576 M4

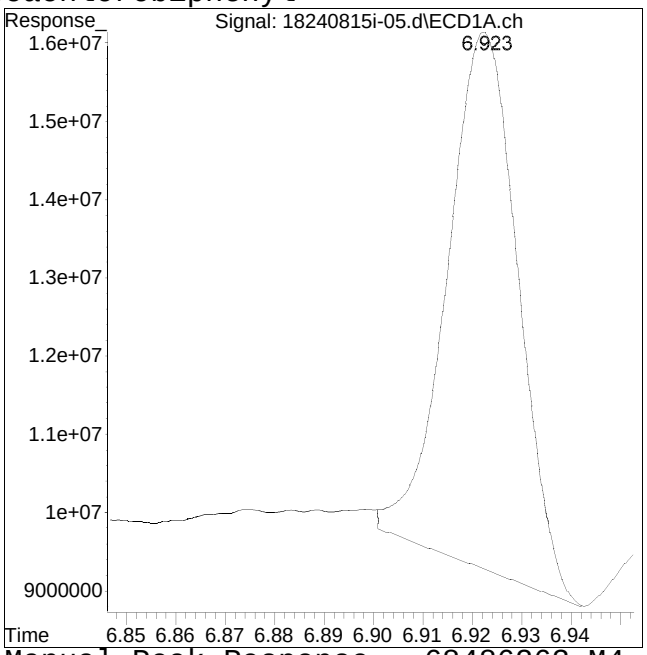
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #27: Decachlorobiphenyl



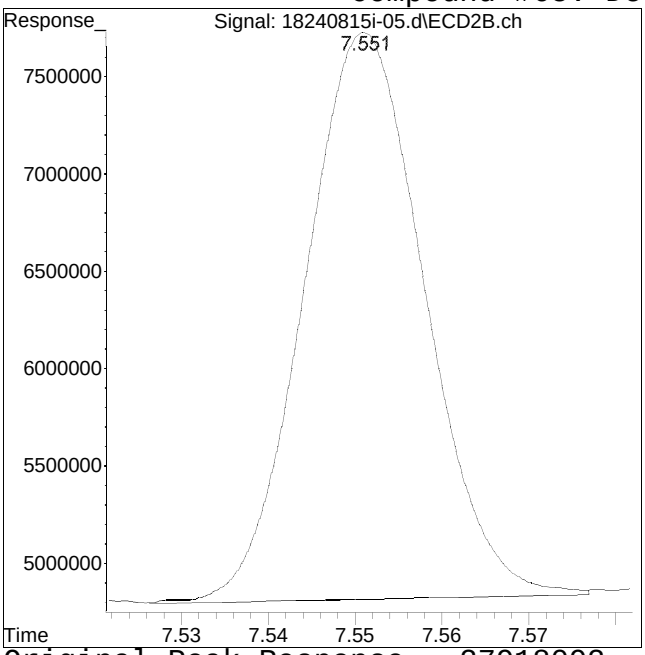


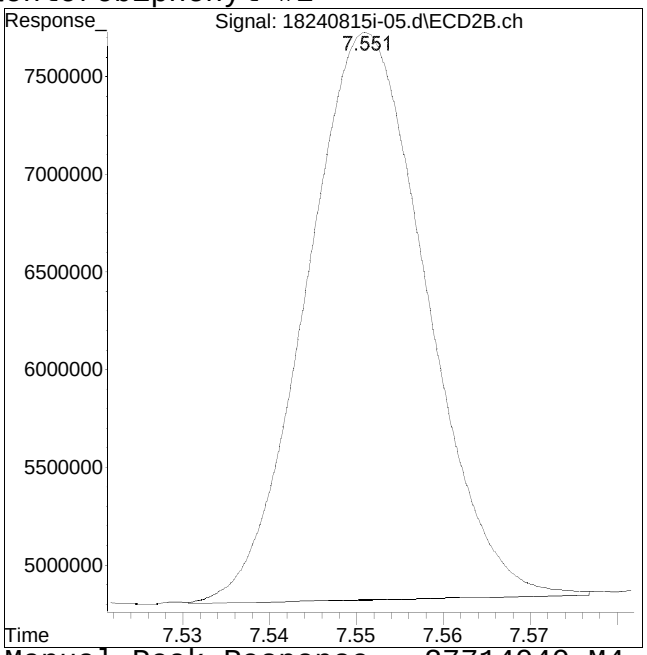
Original Peak Response = 110164924 Manual Peak Response = 68486263 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-05.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:28 Instrument : Pest 18
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/16/2024 8:36 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 27918092 Manual Peak Response = 27714040 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:39
Operator : PEST18:peg
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:17:19 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:17:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.683	1.783	505.9E6	308.0E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.117	2.339	77206153	45433324	3.201M4	3.190M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		6.40%#	6.38%#
27) s	Decachlorobi	6.922	7.550	95217073	39579770	3.554M4	3.524M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		7.11%#	7.05%#
	Target Compounds						
3)	Hexachlorobe	2.357	2.683	95908187	50579961	3.437M4	3.377M4
4)	alpha-BHC	2.469	2.786	95318392	56324148	3.099M4	2.891M4
5)	gamma-BHC (l	2.688	3.082	87088144	53044653	3.086M4	2.940M4
6)	beta-BHC	2.752	3.155	38526041	27255065	3.126M3	3.368M4
7)	delta-BHC	2.884	3.425	86988338	52190217	3.102M3	2.935M4
8)	Heptachlor	3.053	3.483	86517994	51025847	3.360M3	3.201
9)	Aldrin	3.303	3.803	82261529	48701221	3.226M3	3.035M4
10)	Alachlor	3.441	3.699	13457275	8017936	3.740M4	3.541M3
11)	Chlorpyrifos	3.536	4.055	42706087	27757132	3.703M3	3.693M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:39
Operator : PEST18:peg
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:17:19 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:17:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	3.861	4.423	78452252	48685649	3.430M4	3.252M4
13)		gamma-Chlord	3.988	4.646	75046529	43453760	3.358M4	3.142
14)		alpha-Chlord	4.125	4.820	84439717	48739754	3.361M4	3.168M4
15)		4,4'-DDE	4.230	5.034	80950410	46005854	3.183M4	3.000M4
16)		Endosulfan I	4.259	4.882	77106924	45086579	3.442M4	3.189
17)		Dieldrin	4.522	5.190	79103154	44965990	3.314M4	3.071
18)		Endrin	4.779	5.497	79838531	45531325	3.339M4	3.131M4
19)		4,4'-DDD	4.905	5.633	63899308	36551042	3.270M4	3.078M4
20)		Endosulfan I	5.032	5.706	74116976	41567537	3.439M4	3.215M4
21)		4,4'-DDT	5.210	5.917	72491010	40360529	3.304M4	3.099M4
22)		Endrin Aldeh	5.466	6.011	62188932	35366150	3.415M4	3.257M4
23)		Methoxychlor	5.718	6.498	45531132	25377856	3.774M4	3.598
24)		Mirex	5.764	6.625	70558668	37609830	3.743M4	3.548
25)		Endosulfan S	5.869	6.245	71256066	40050458	3.326M3	3.225M3
26)		Endrin Keton	6.099	6.664	82644783	43687749	3.483M4	3.250
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:39
Operator : PEST18:peg
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:17:19 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:17:06 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

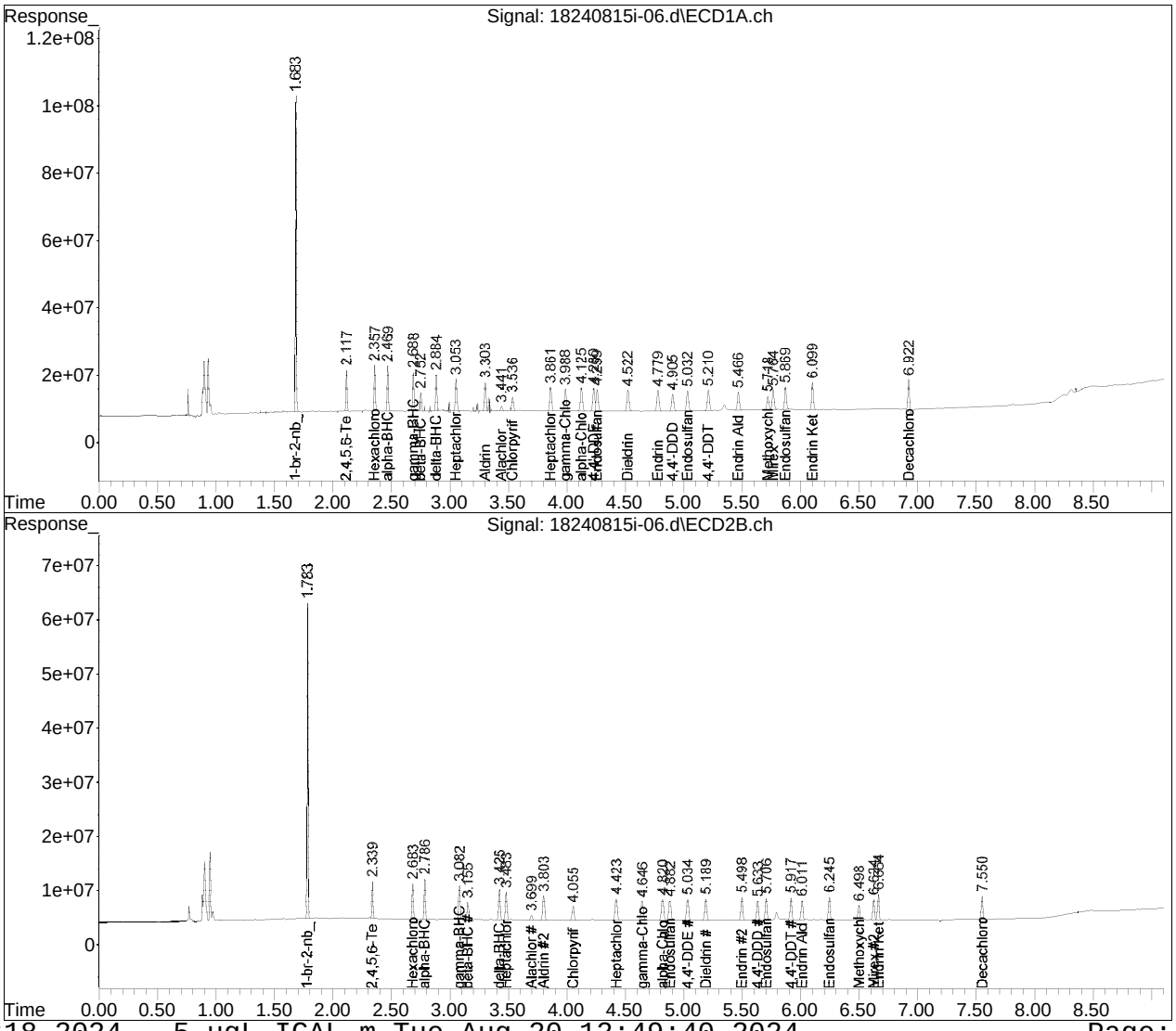
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:39
Operator : PEST18:peg
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 08:17:19 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 08:17:06 2024
Response via : Initial Calibration
Integrator: ChemStation

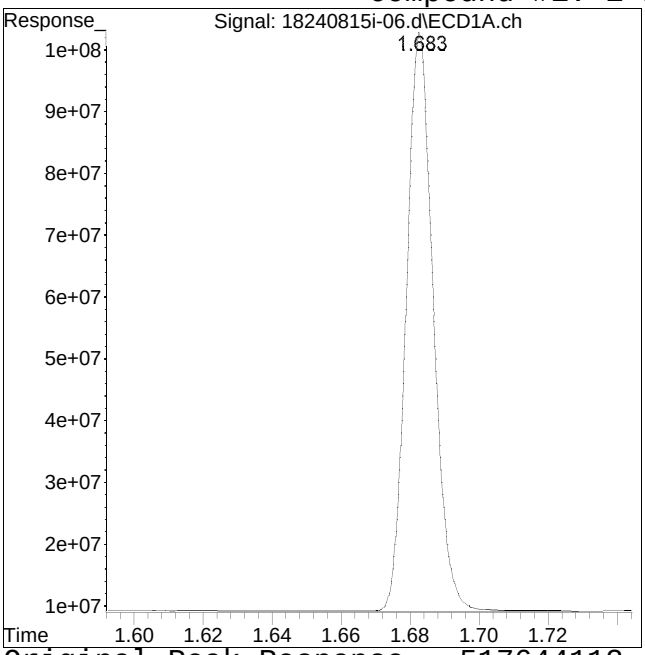
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

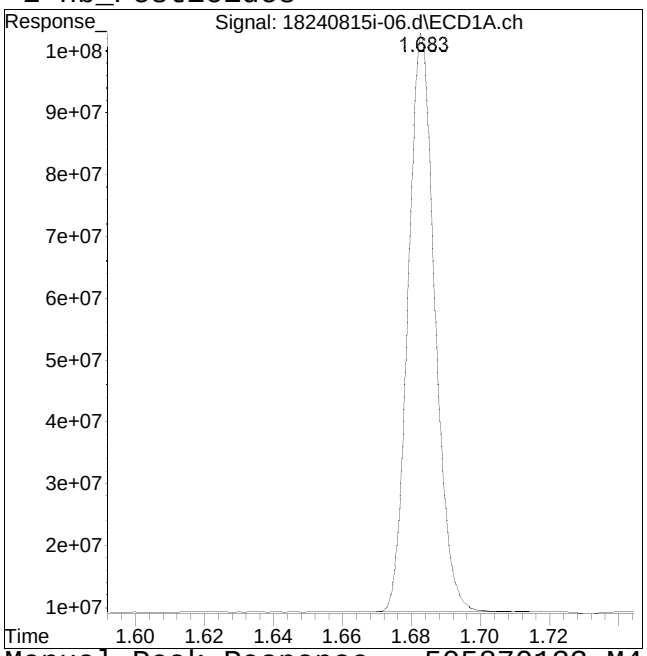


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #1: 1-br-2-nb_Pesticides



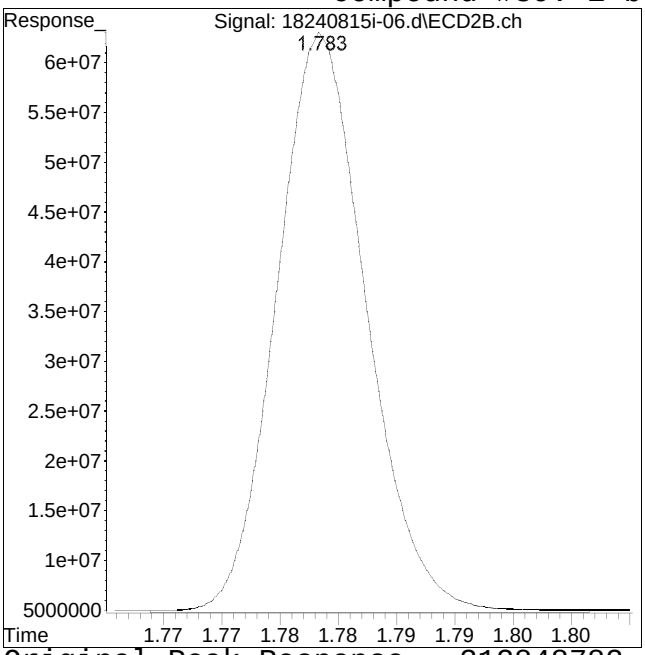


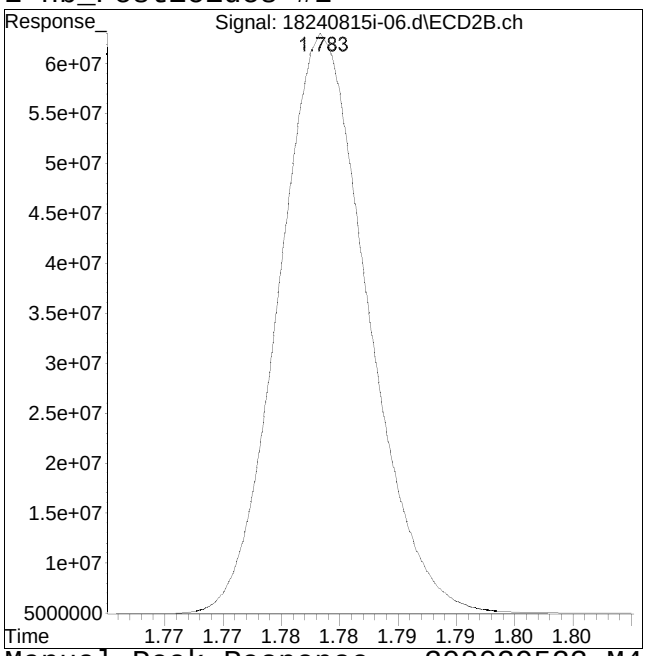
Original Peak Response = 517644112 Manual Peak Response = 505870133 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #39: 1-br-2-nb_Pesticides #2



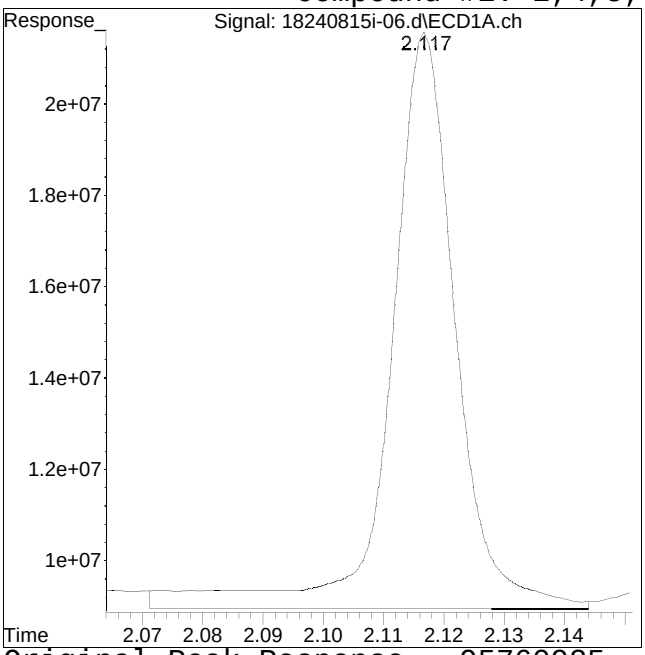


Original Peak Response = 312848782 Manual Peak Response = 308029523 M4
M4 = Poor automated baseline construction.

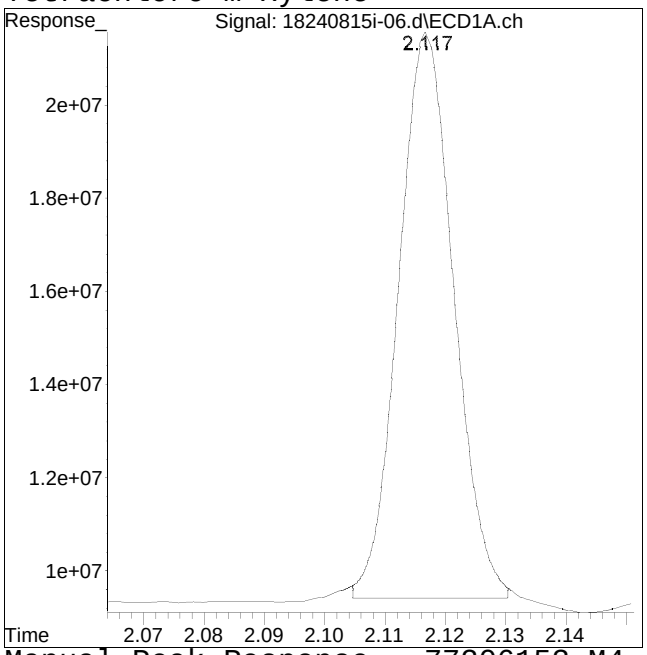
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 95760925



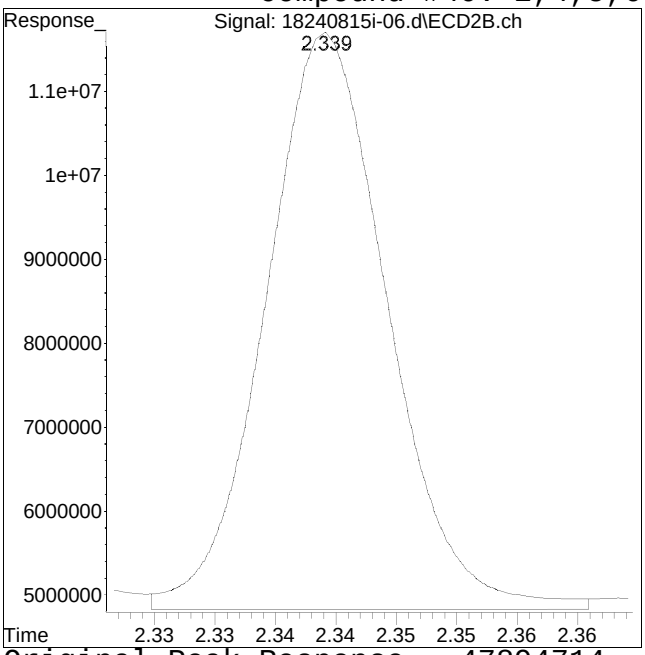
Manual Peak Response = 77206153 M4

M4 = Poor automated baseline construction.

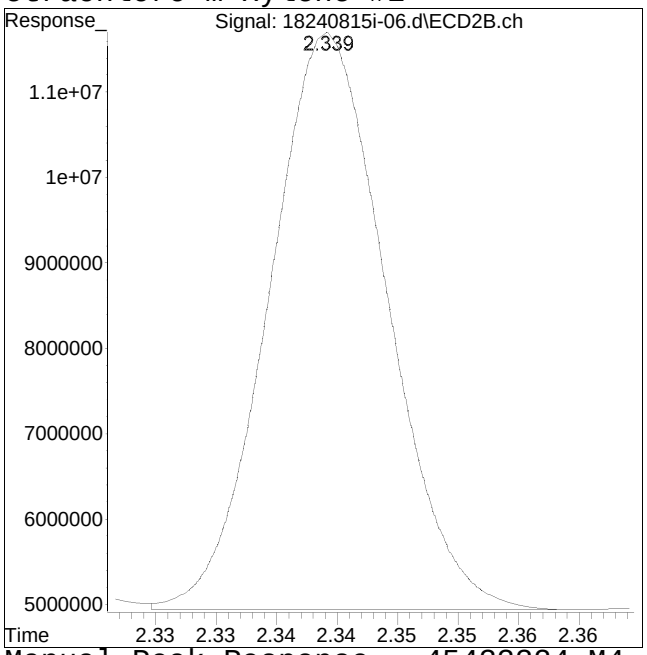
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 47894714

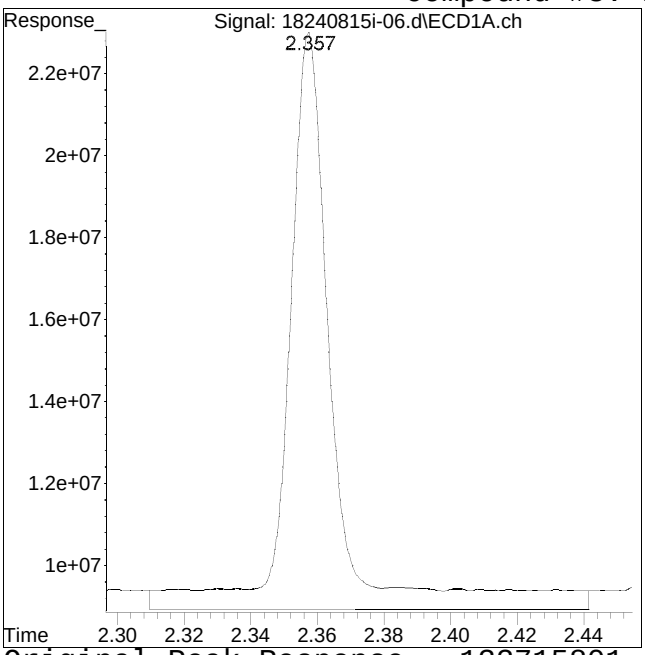


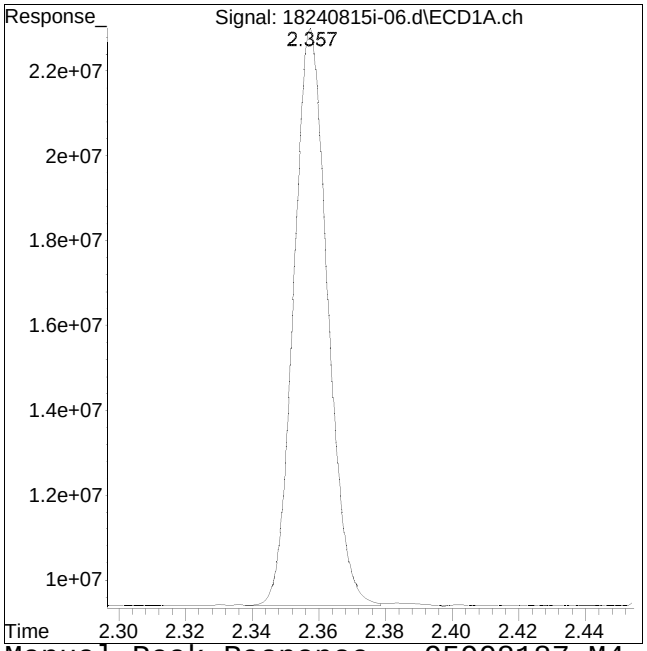
Manual Peak Response = 45433324 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #3: Hexachlorobenzene



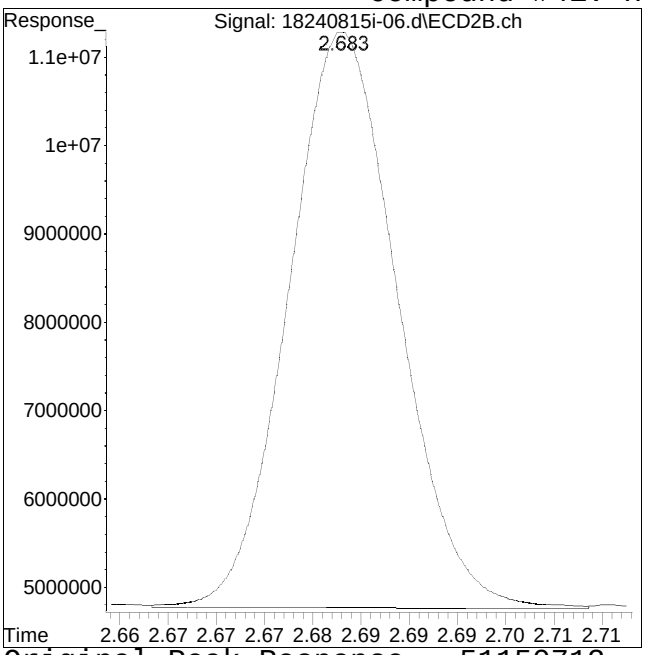


Original Peak Response = 133715801 Manual Peak Response = 95908187 M4
M4 = Poor automated baseline construction.

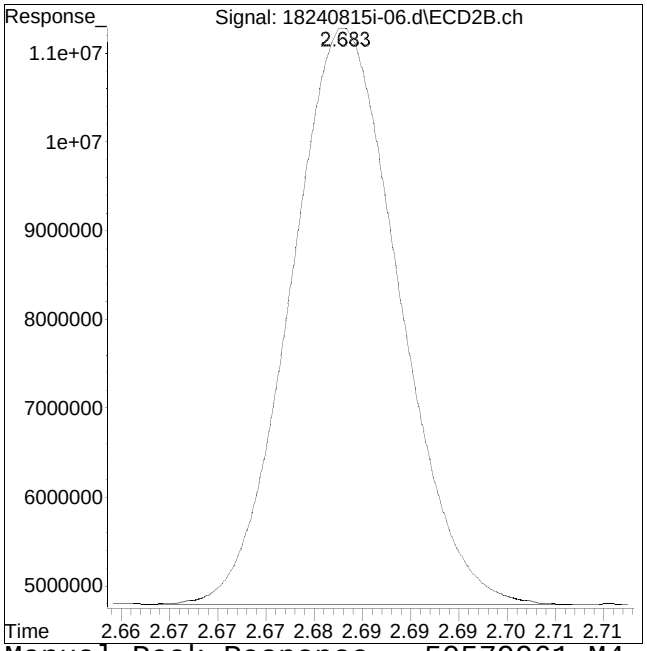
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 51150712



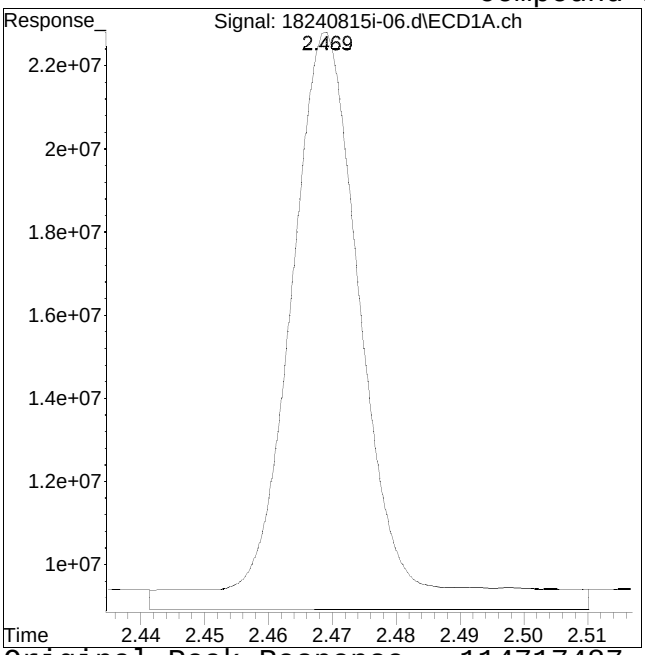
Manual Peak Response = 50579961 M4

M4 = Poor automated baseline construction.

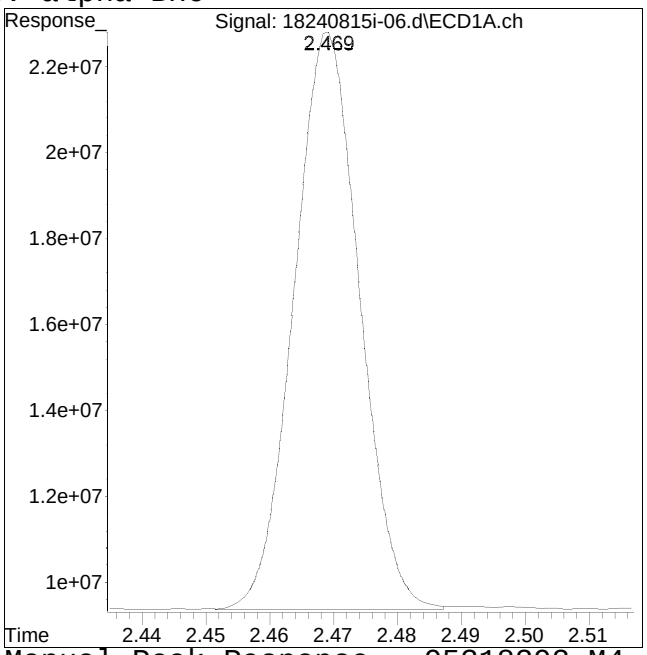
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #4: alpha-BHC



Original Peak Response = 114717487



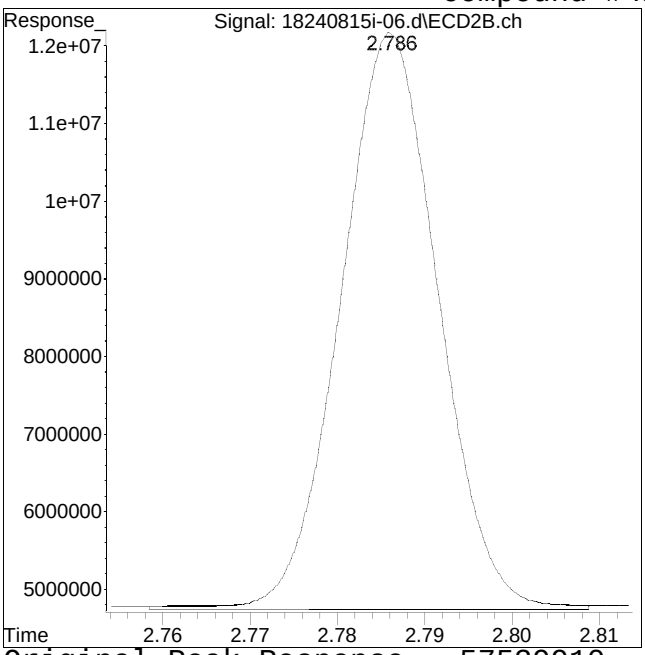
Manual Peak Response = 95318392 M4
M4 = Poor automated baseline construction.

Manual Integration Report

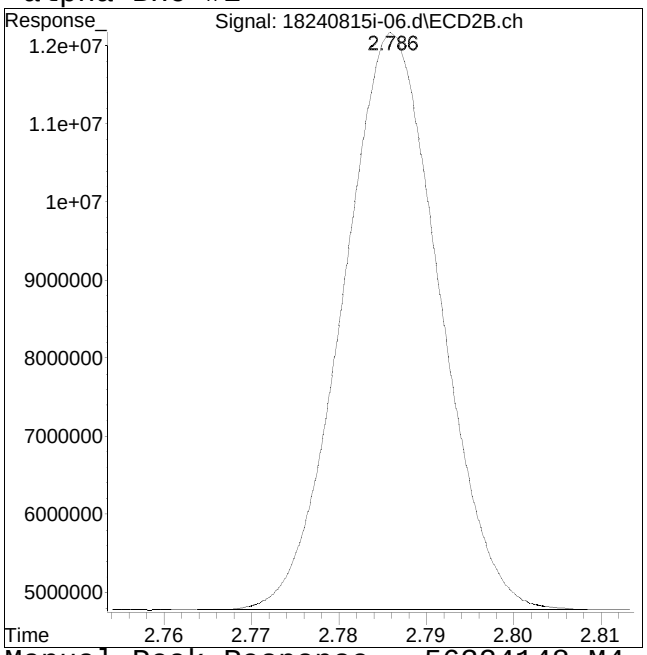
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-06.d
Date Inj'd : 8/15/2024 14:39
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 8:17 am

Compound #42: alpha-BHC #2



Original Peak Response = 57539910



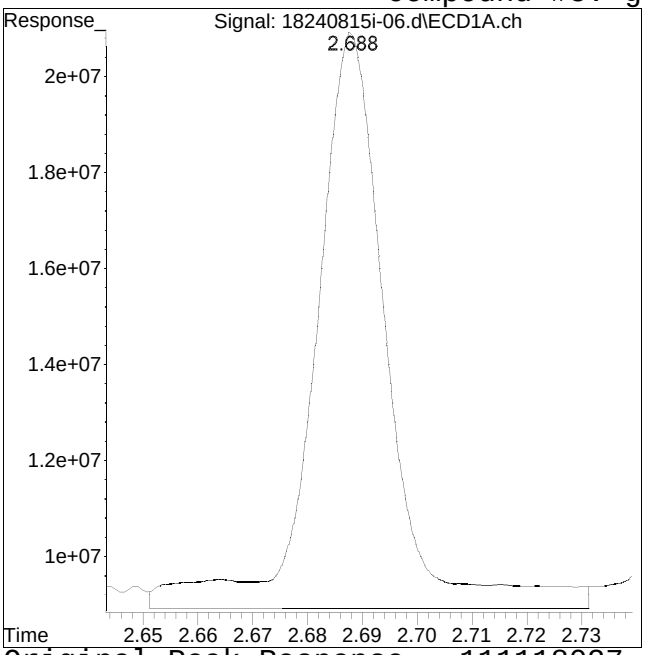
Manual Peak Response = 56324148 M4

M4 = Poor automated baseline construction.

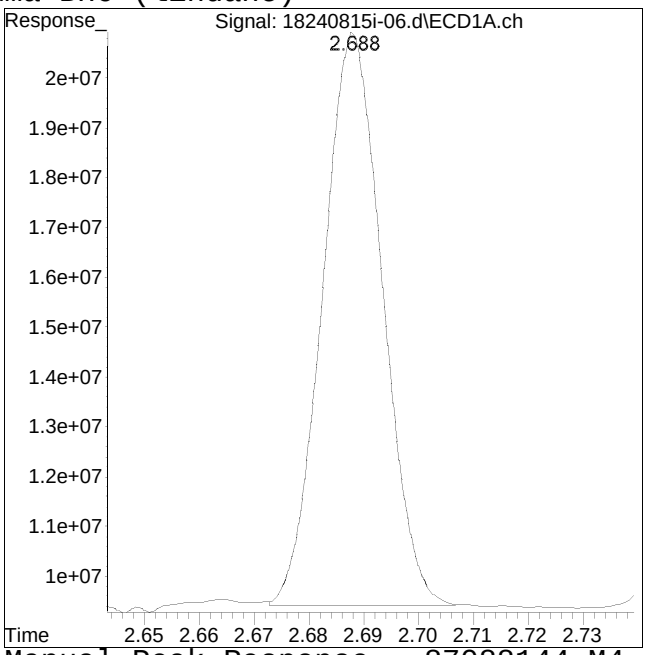
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 111118027



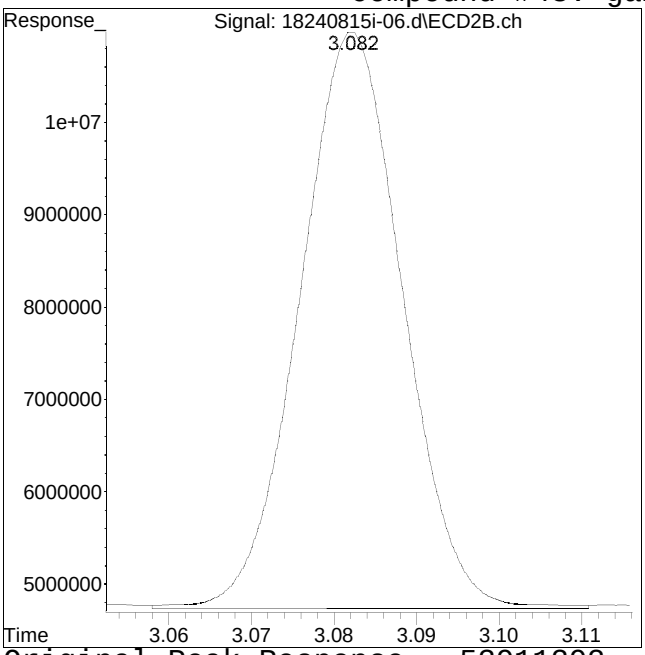
Manual Peak Response = 87088144 M4

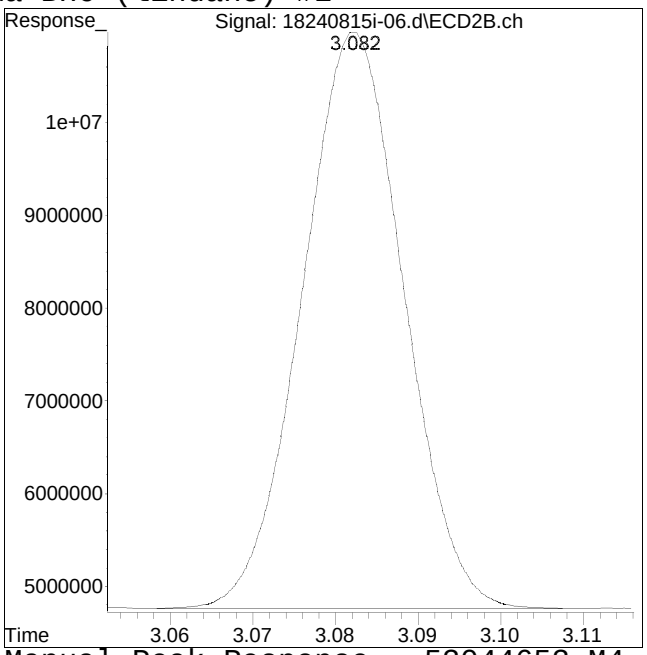
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #43: gamma-BHC (lindane) #2



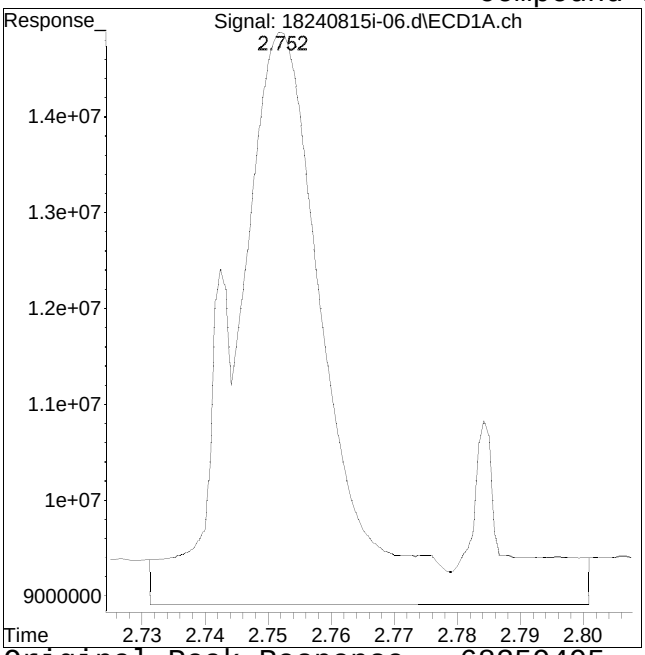


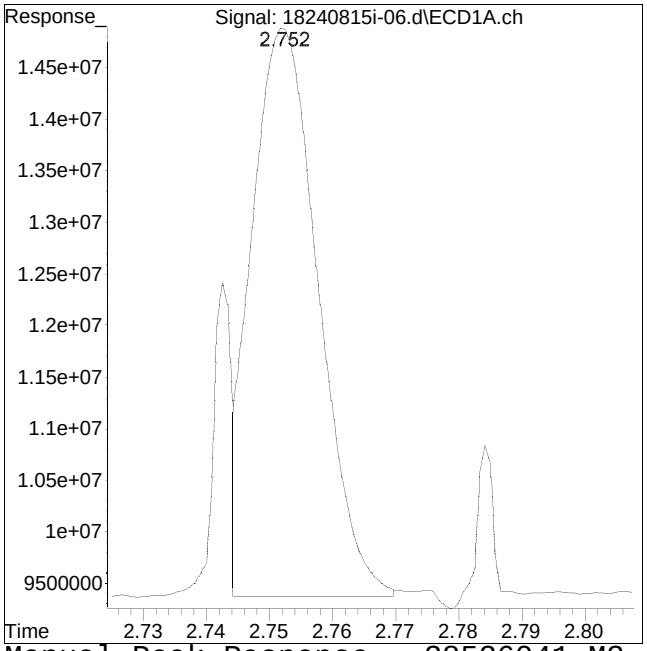
Original Peak Response = 53911292 Manual Peak Response = 53044653 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #6: beta-BHC



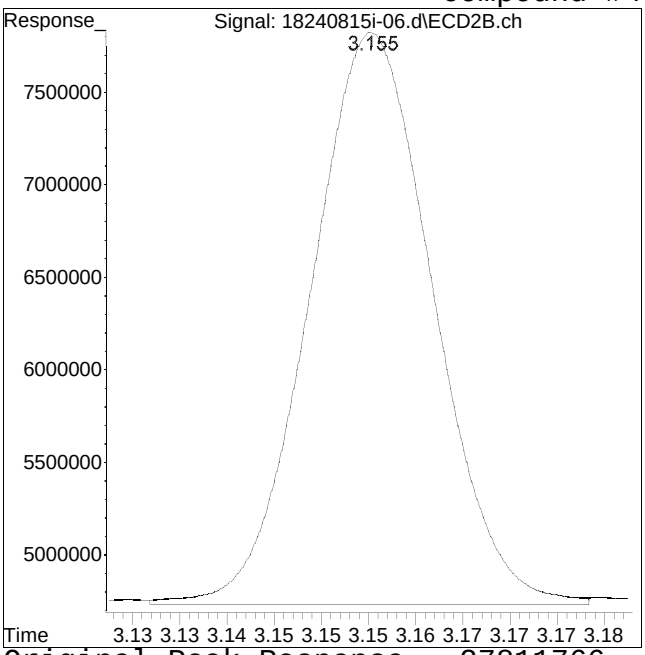


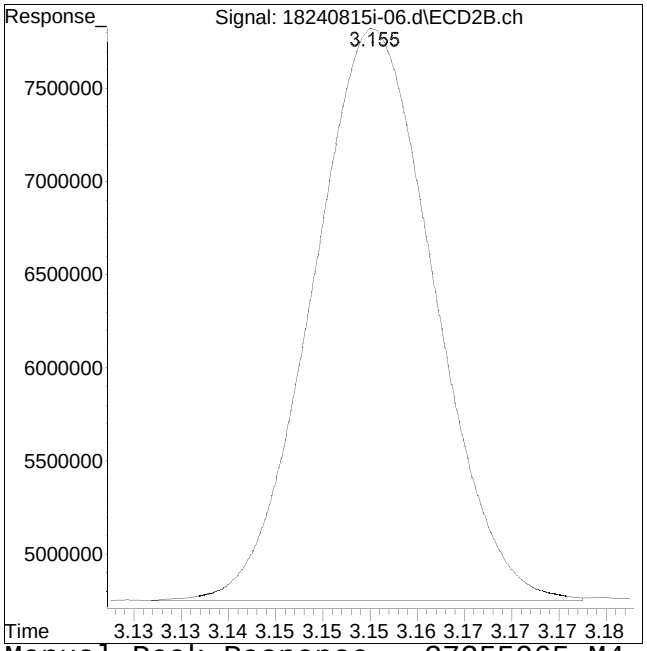
Original Peak Response = 68359495 Manual Peak Response = 38526041 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #44: beta-BHC #2



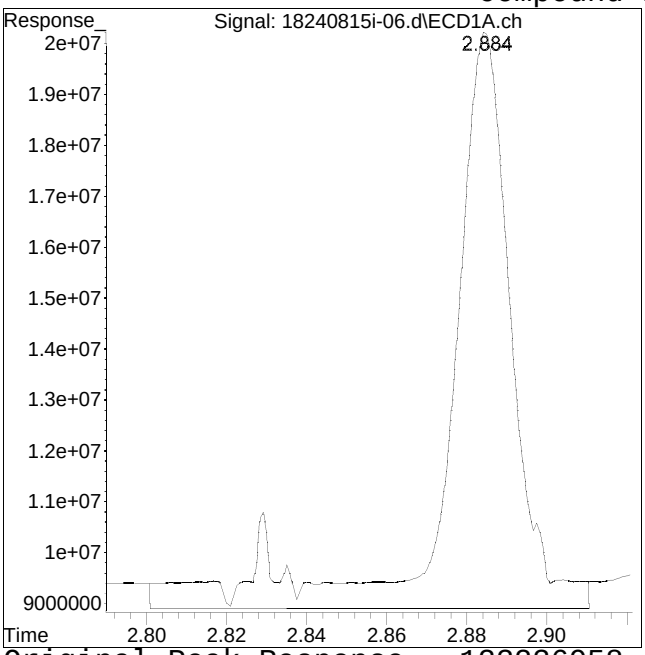


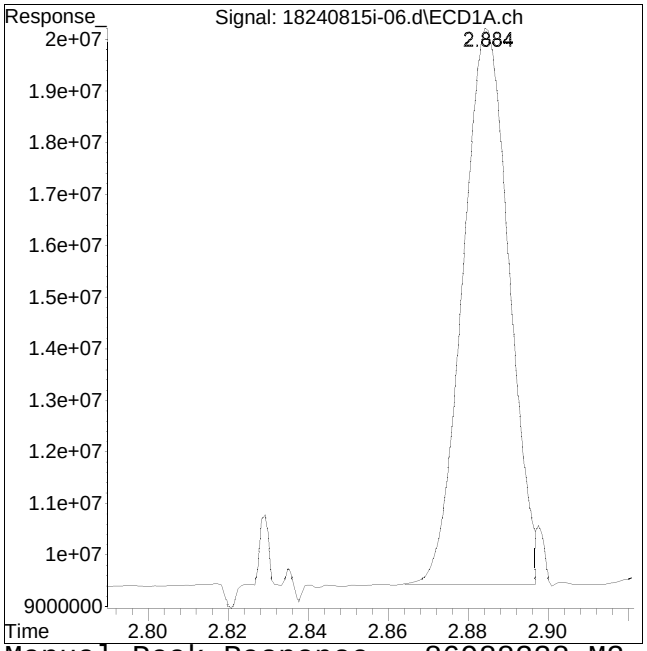
Original Peak Response = 27811766 Manual Peak Response = 27255065 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #7: delta-BHC



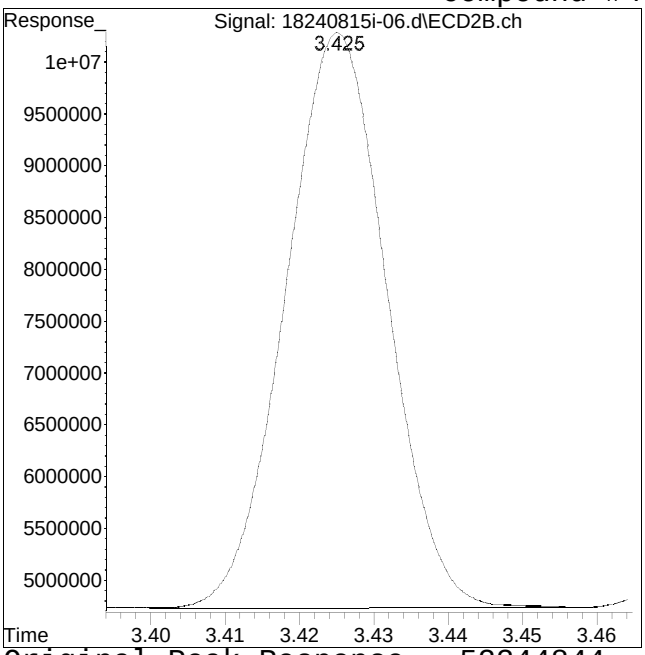


Original Peak Response = 123236958 Manual Peak Response = 86988338 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

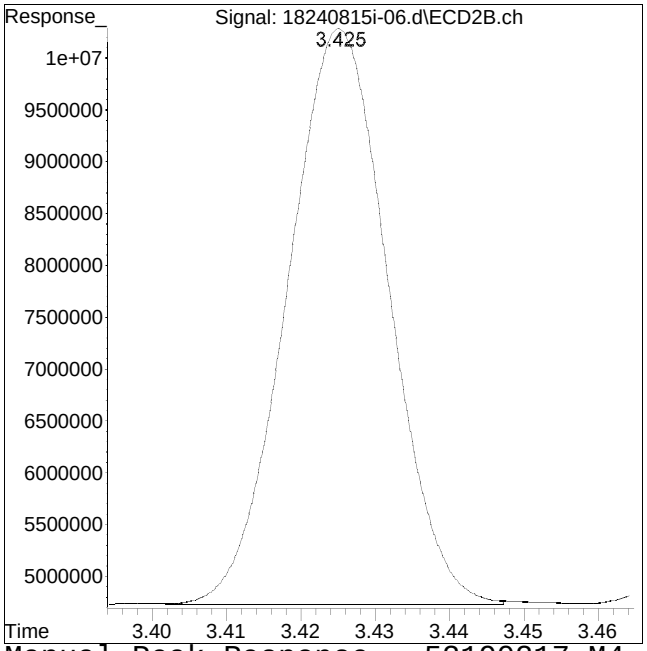
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #45: delta-BHC #2



Original Peak Response = 52344844



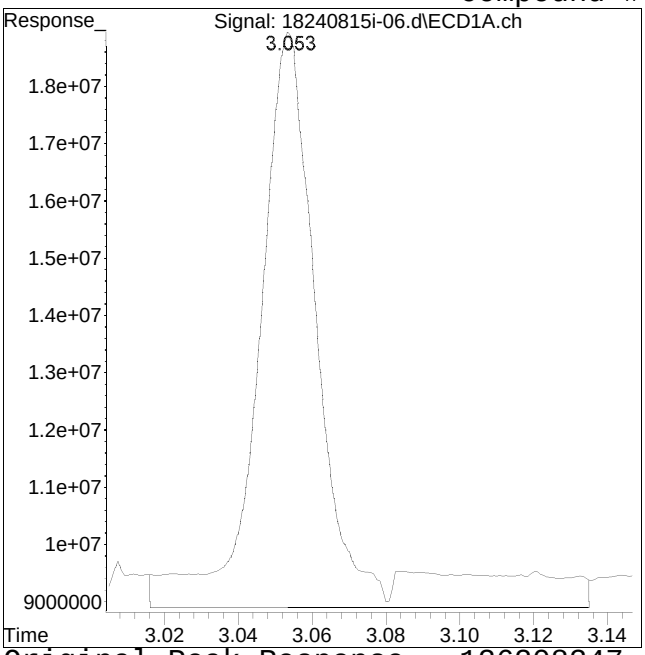
Manual Peak Response = 52190217 M4

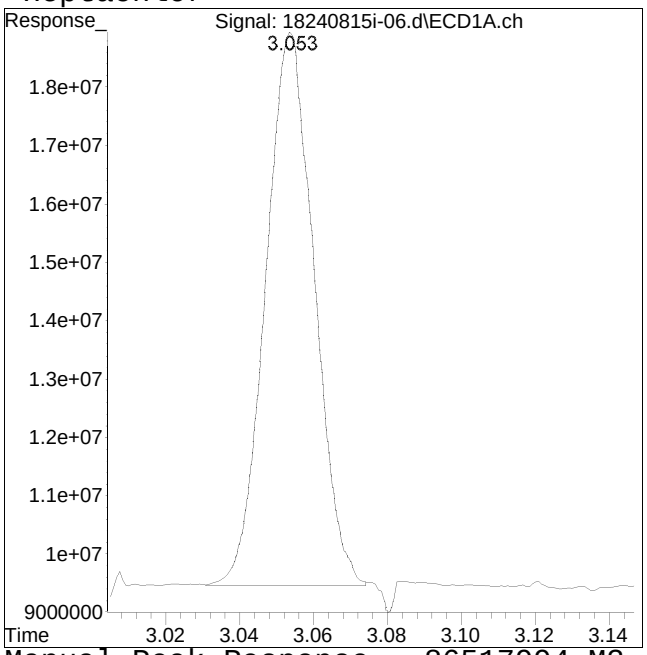
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #8: Heptachlor



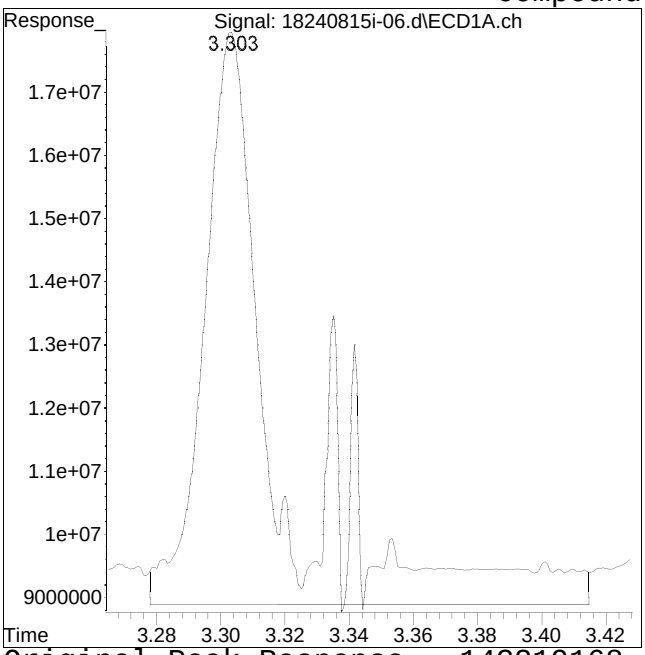


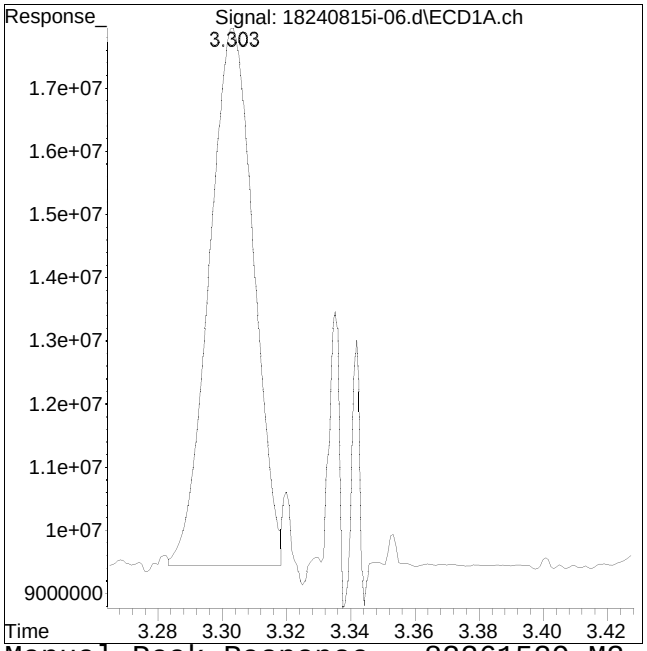
Original Peak Response = 126208347 Manual Peak Response = 86517994 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #9: Aldrin



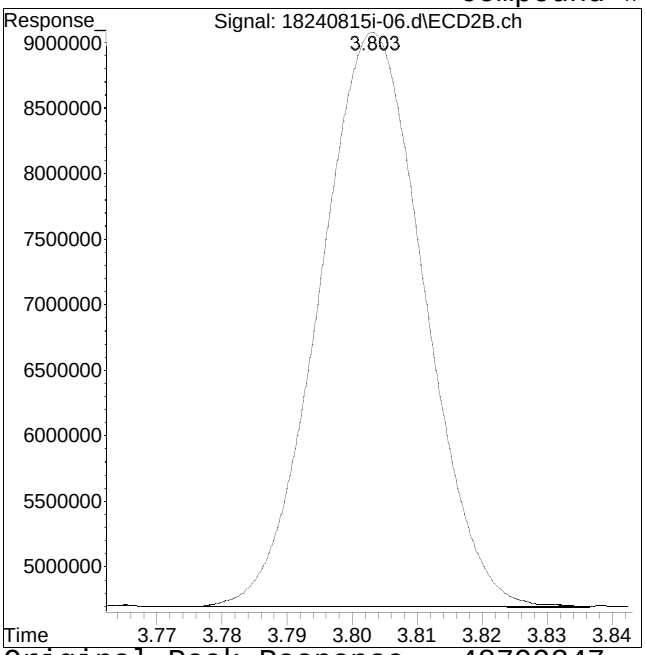


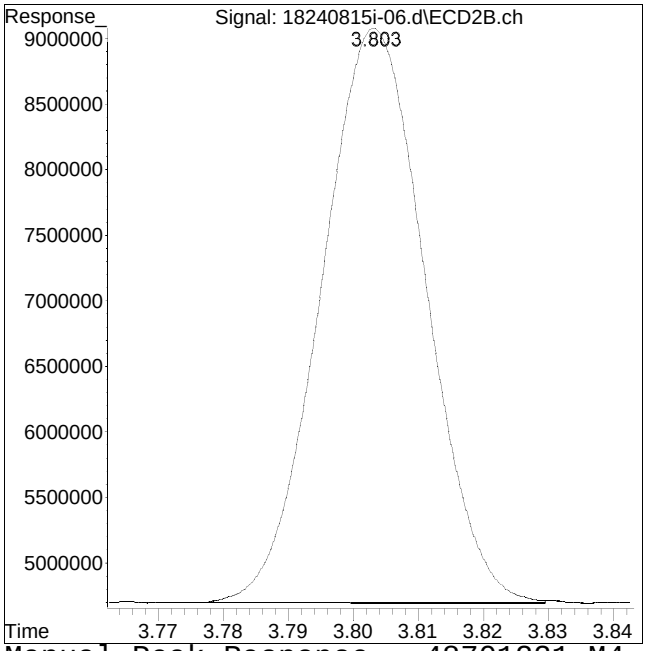
Original Peak Response = 143219168 Manual Peak Response = 82261529 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #47: Aldrin #2



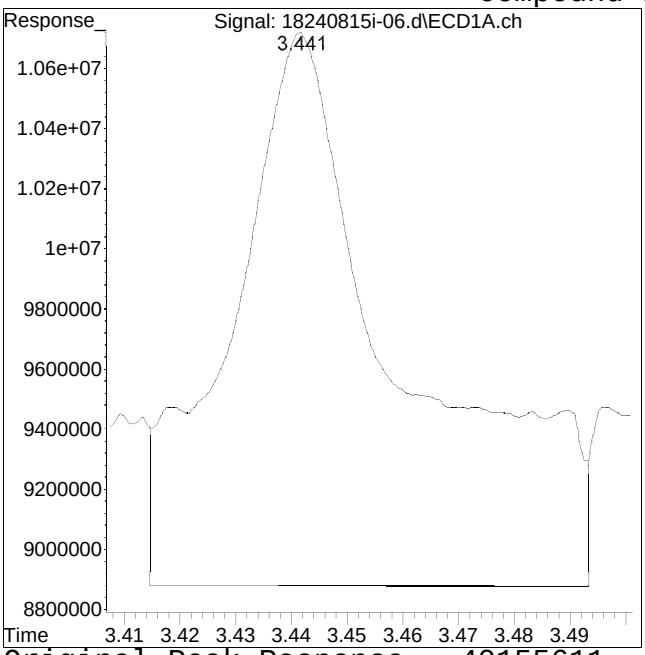


Original Peak Response = 48799347 Manual Peak Response = 48701221 M4
M4 = Poor automated baseline construction.

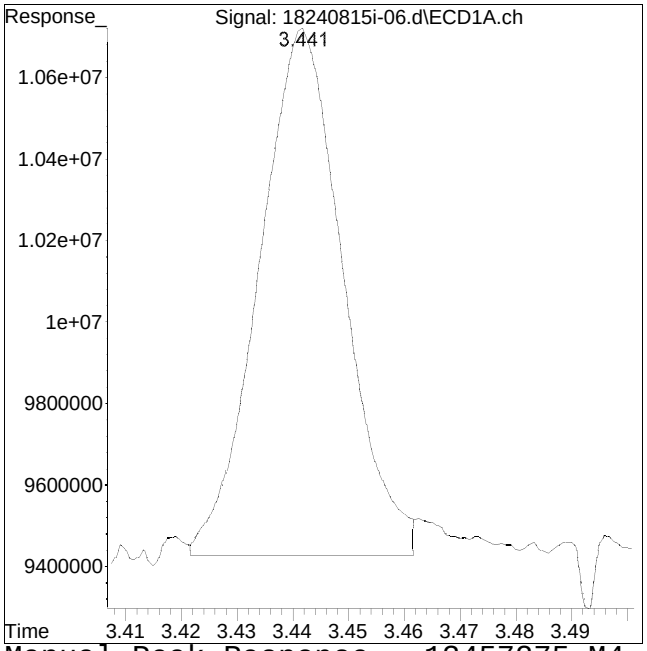
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #10: Alachlor



Original Peak Response = 40155611



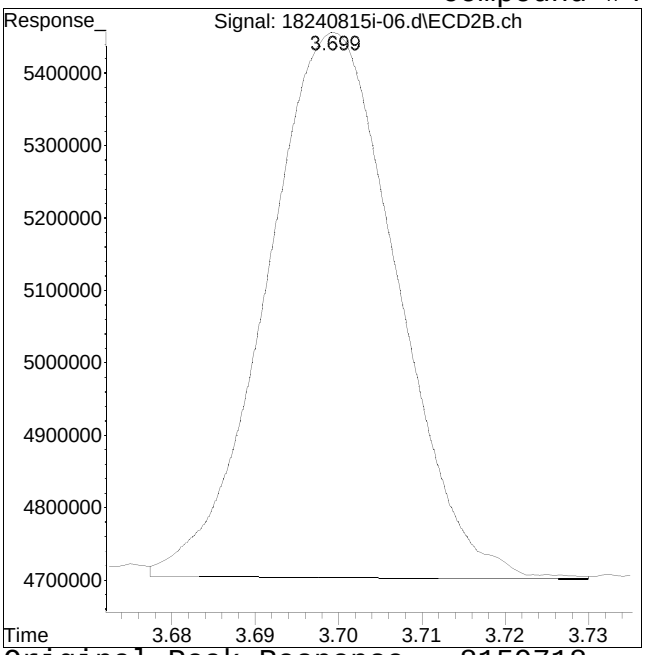
Manual Peak Response = 13457275 M4

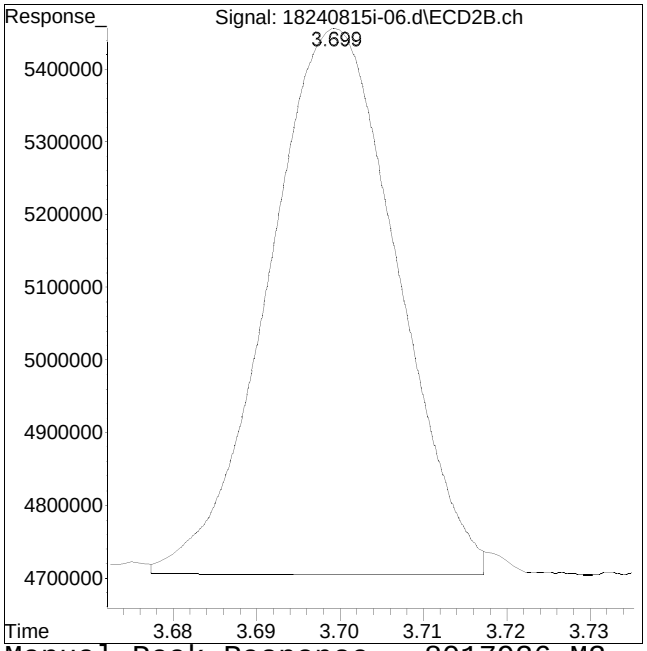
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #48: Alachlor #2



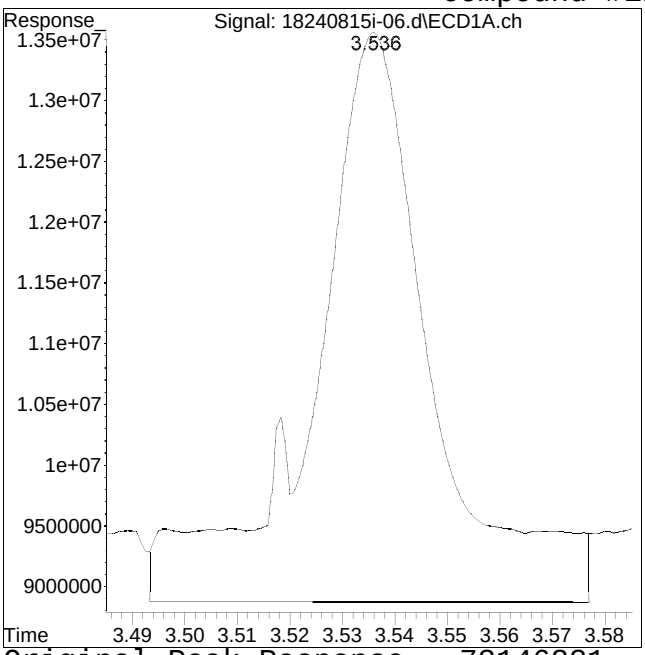


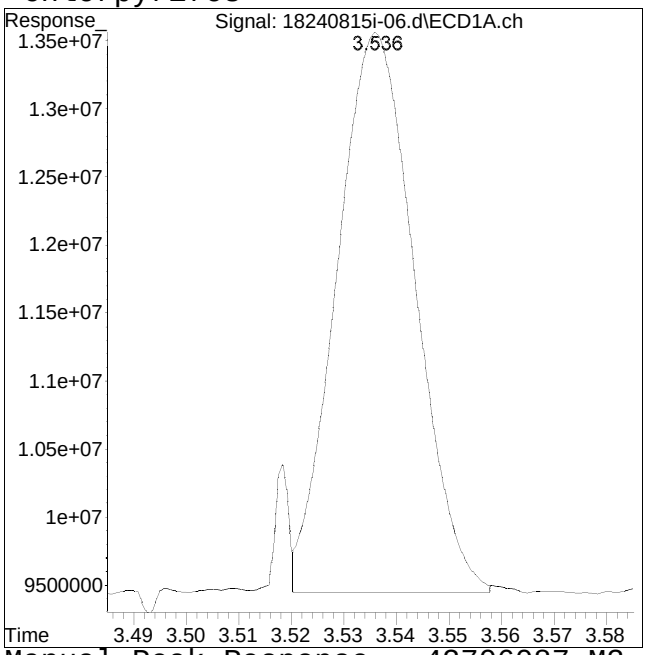
Original Peak Response = 8159718 Manual Peak Response = 8017936 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #11: Chlorpyrifos



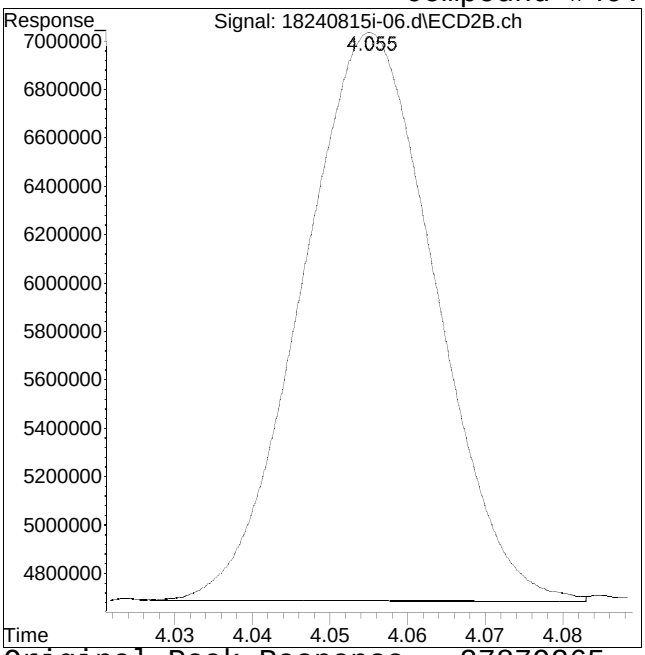


Original Peak Response = 73146231 Manual Peak Response = 42706087 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

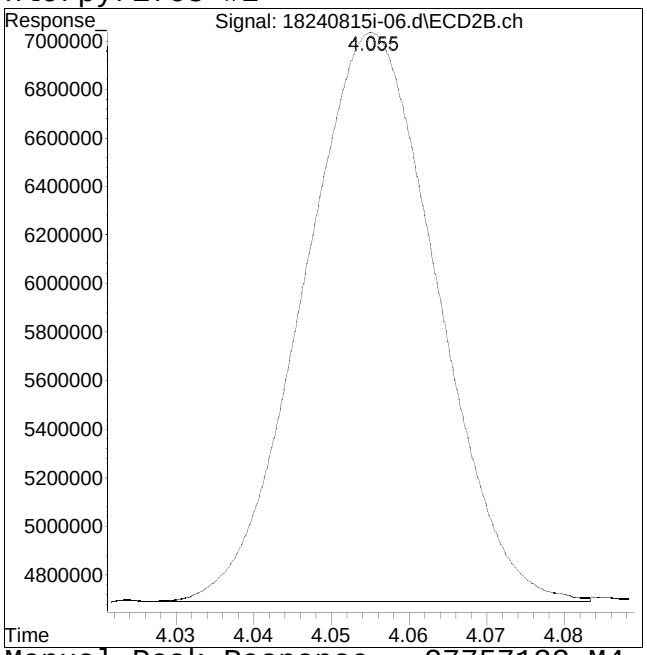
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 27879265



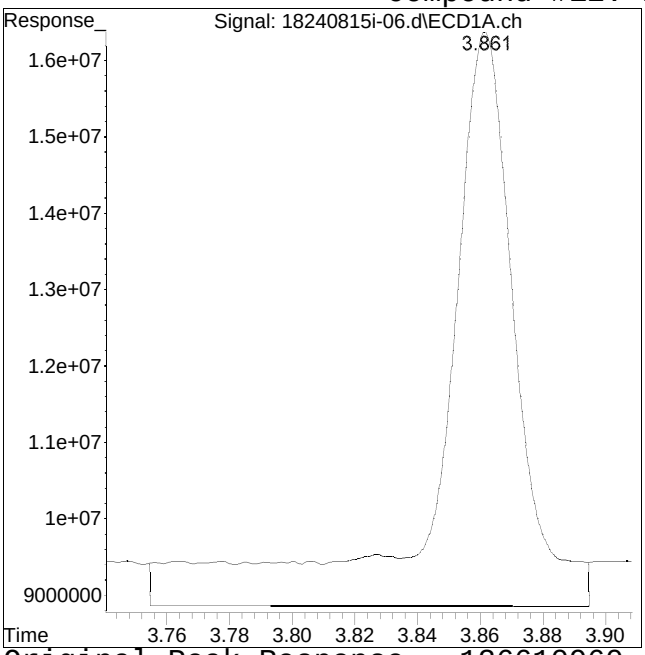
Manual Peak Response = 27757132 M4

M4 = Poor automated baseline construction.

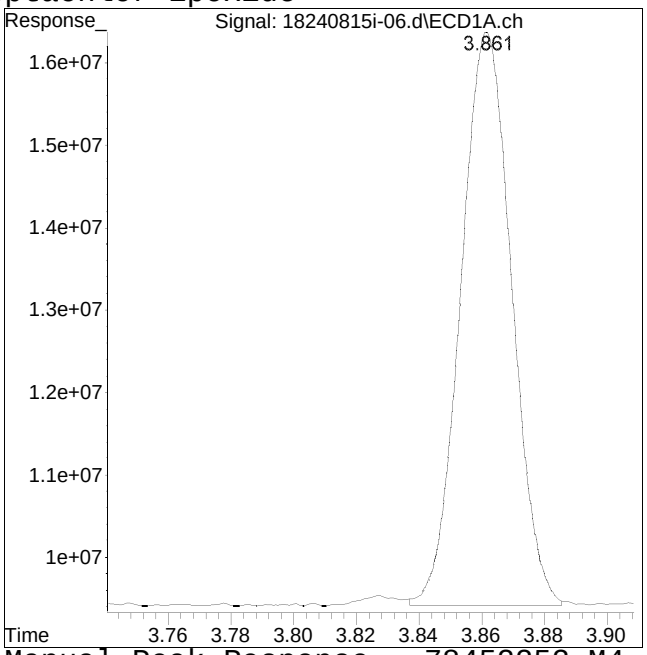
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 126610960

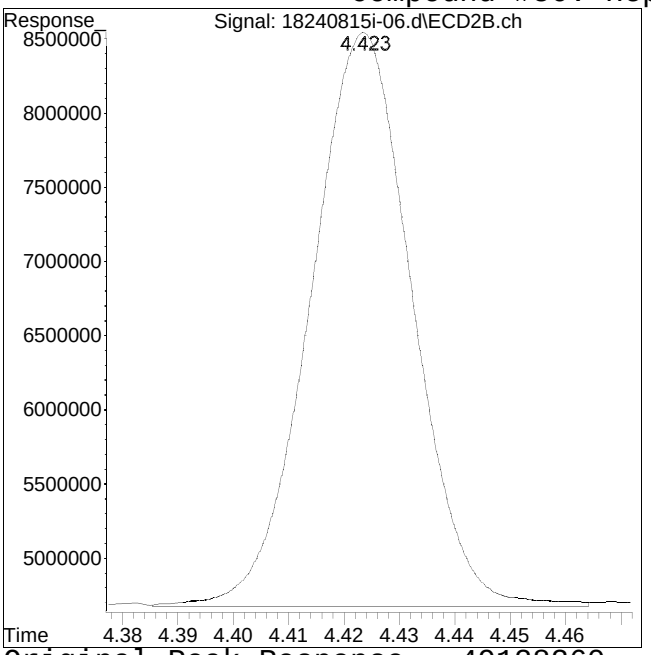


Manual Peak Response = 78452252 M4
M4 = Poor automated baseline construction.

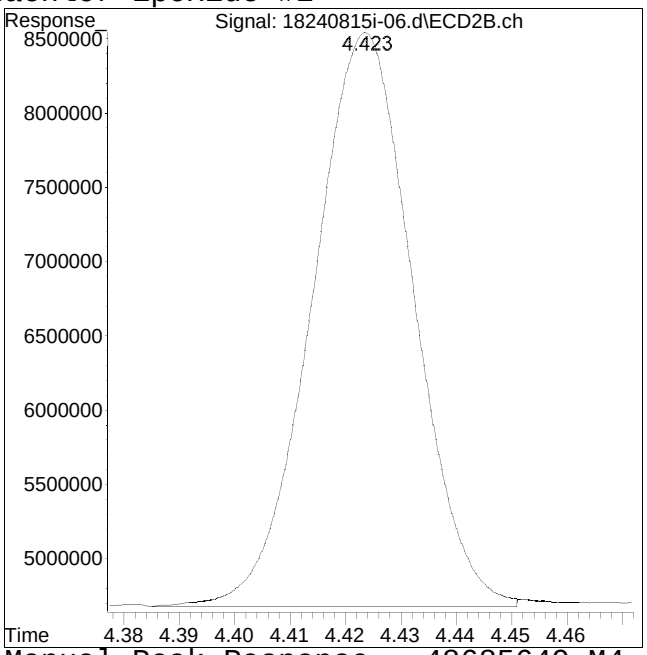
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 49128260



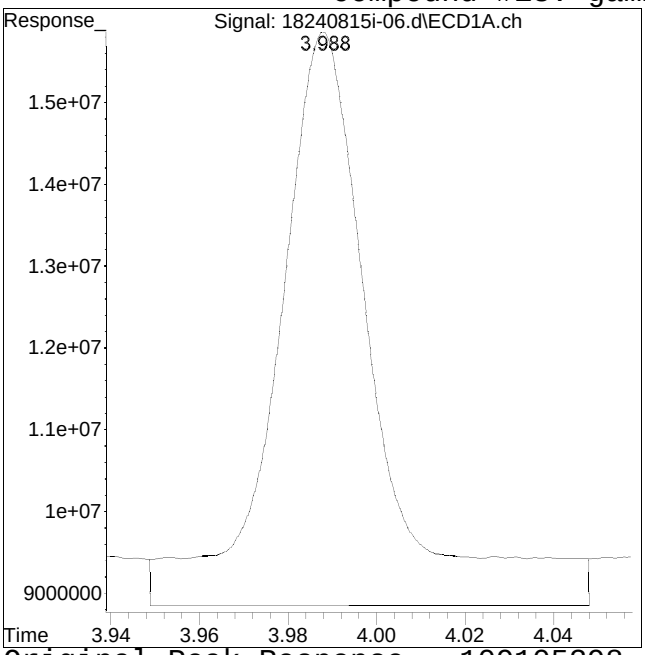
Manual Peak Response = 48685649 M4

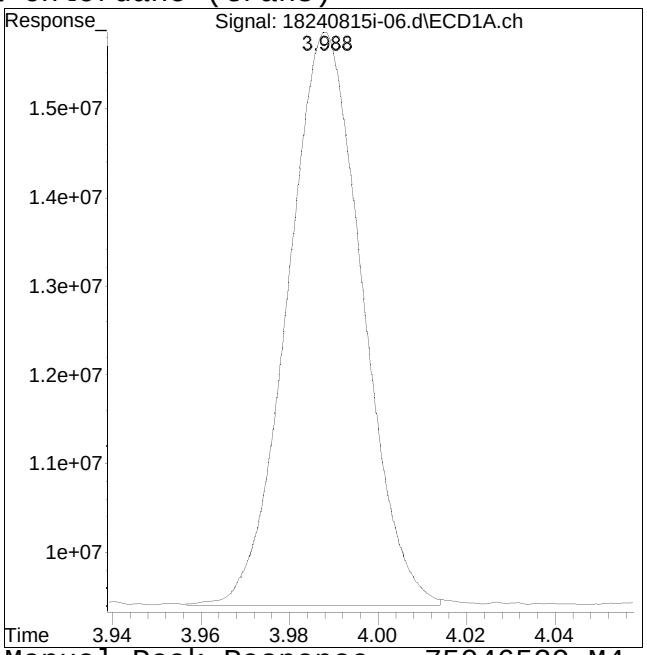
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #13: gamma-Chlordane (trans)



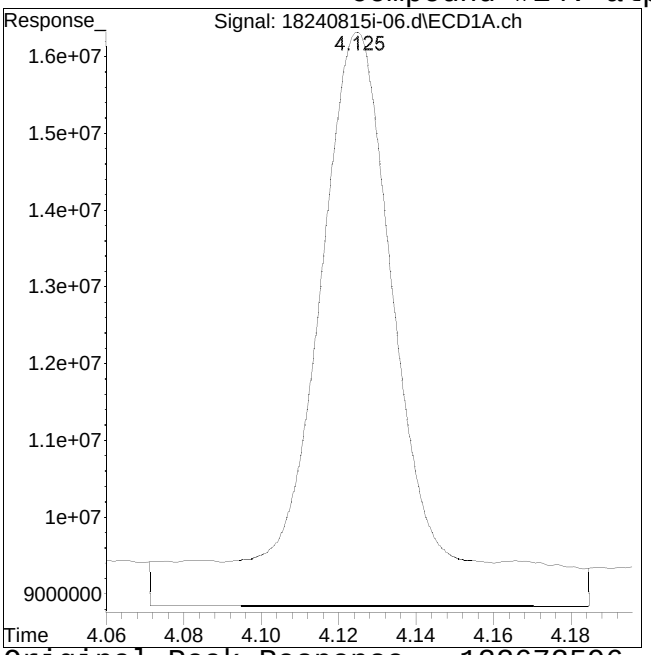


Original Peak Response = 109105398 Manual Peak Response = 75046529 M4
M4 = Poor automated baseline construction.

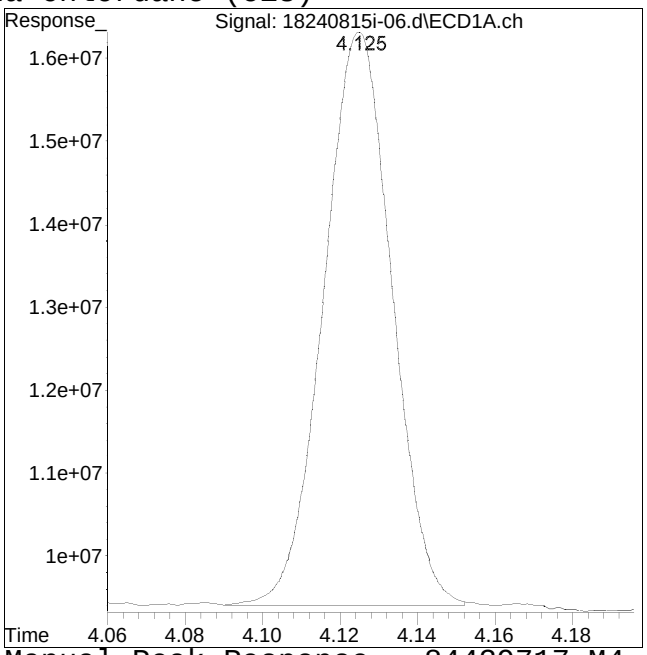
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 122672596

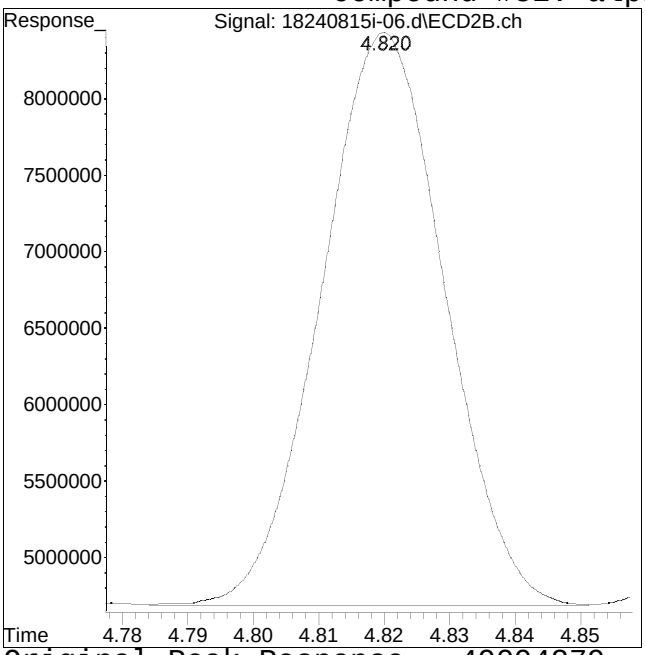


Manual Peak Response = 84439717 M4
M4 = Poor automated baseline construction.

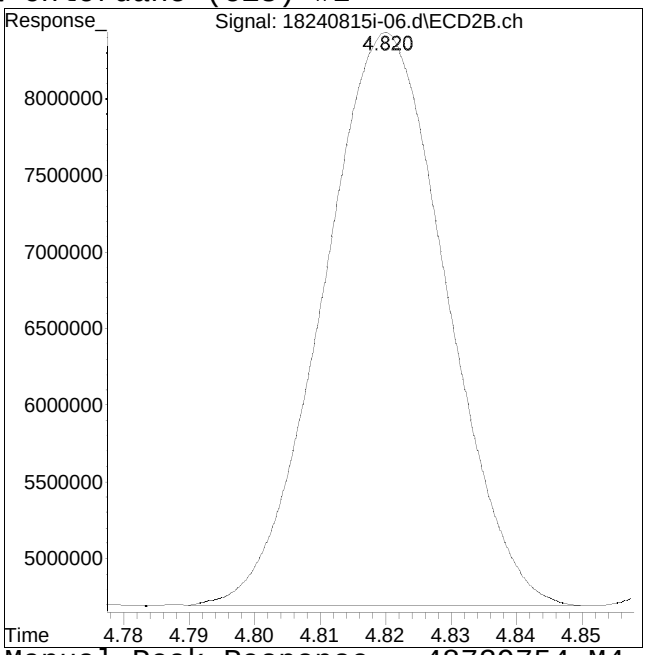
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 49094279



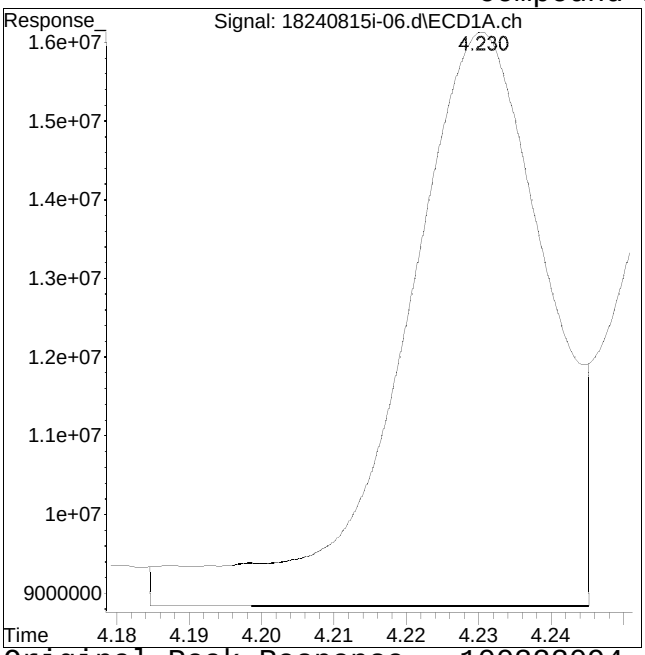
Manual Peak Response = 48739754 M4

M4 = Poor automated baseline construction.

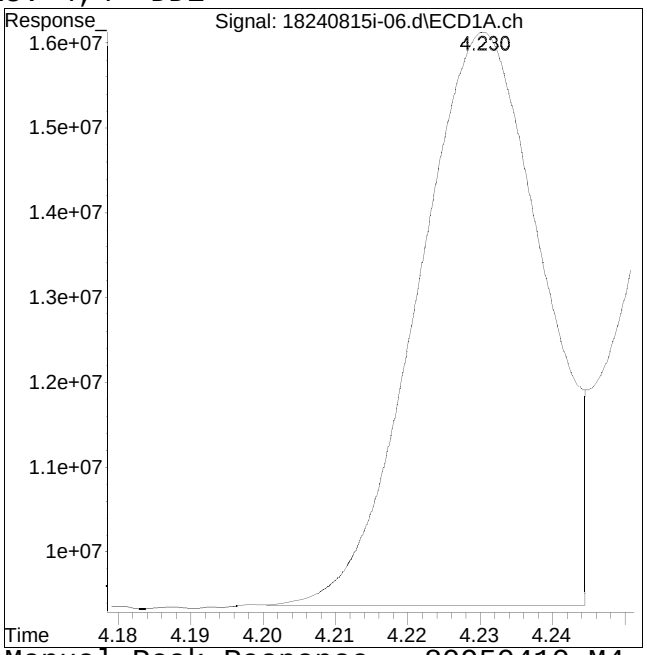
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #15: 4,4'-DDE



Original Peak Response = 100322094

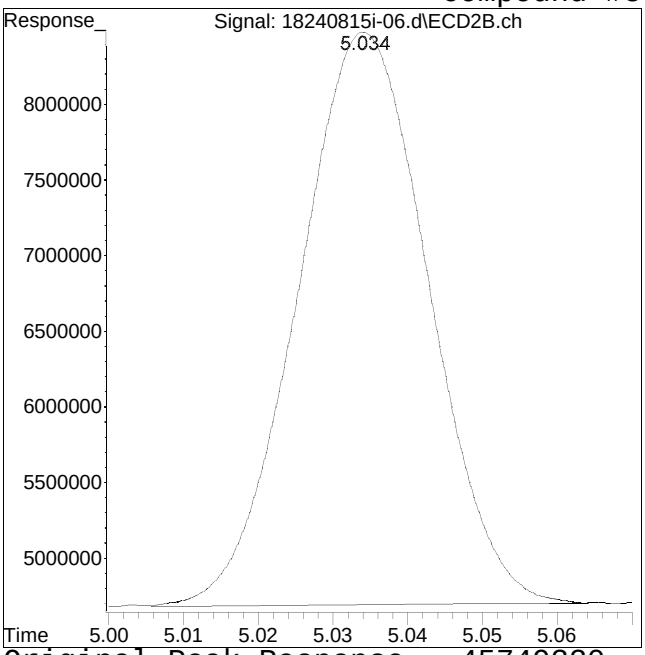


Manual Peak Response = 80950410 M4
M4 = Poor automated baseline construction.

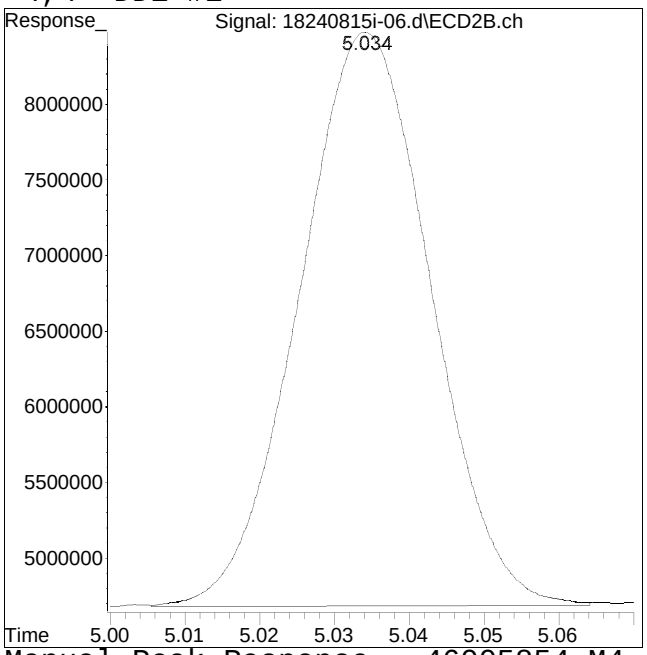
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 45749330



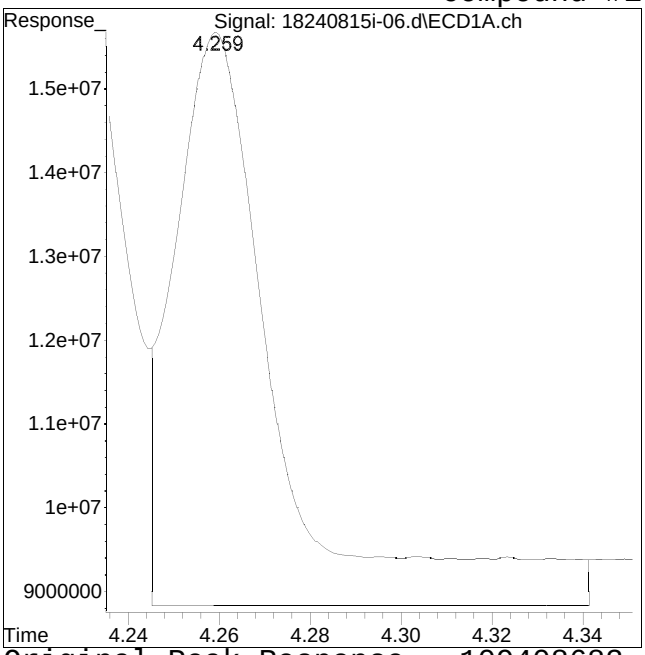
Manual Peak Response = 46005854 M4

M4 = Poor automated baseline construction.

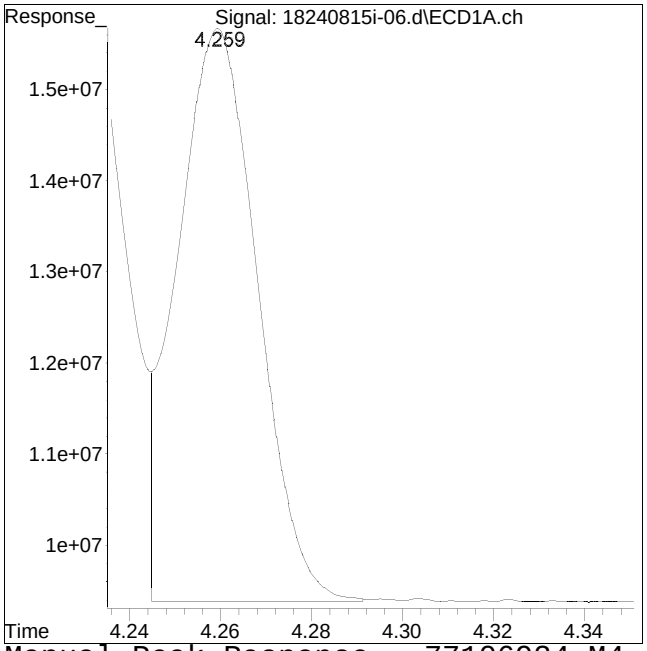
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #16: Endosulfan I



Original Peak Response = 109408683



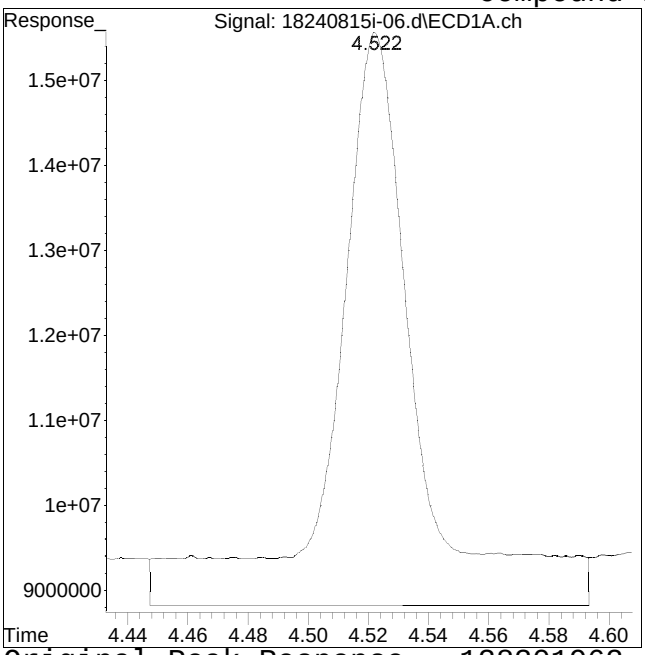
Manual Peak Response = 77106924 M4
M4 = Poor automated baseline construction.

Manual Integration Report

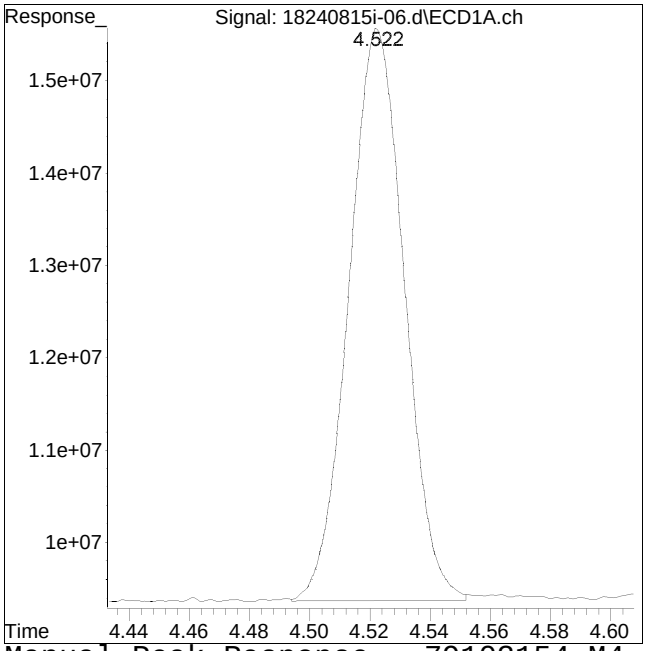
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-06.d
Date Inj'd : 8/15/2024 14:39
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 8:17 am

Compound #17: Dieldrin



Original Peak Response = 128301962



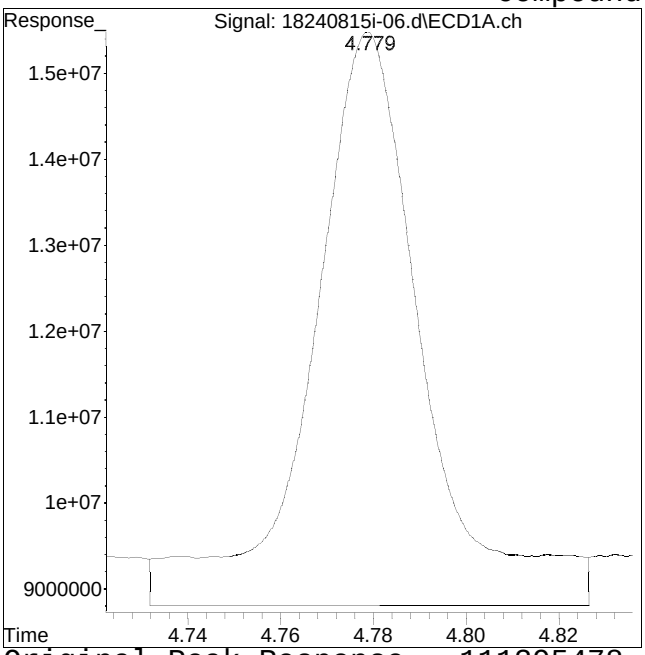
Manual Peak Response = 79103154 M4

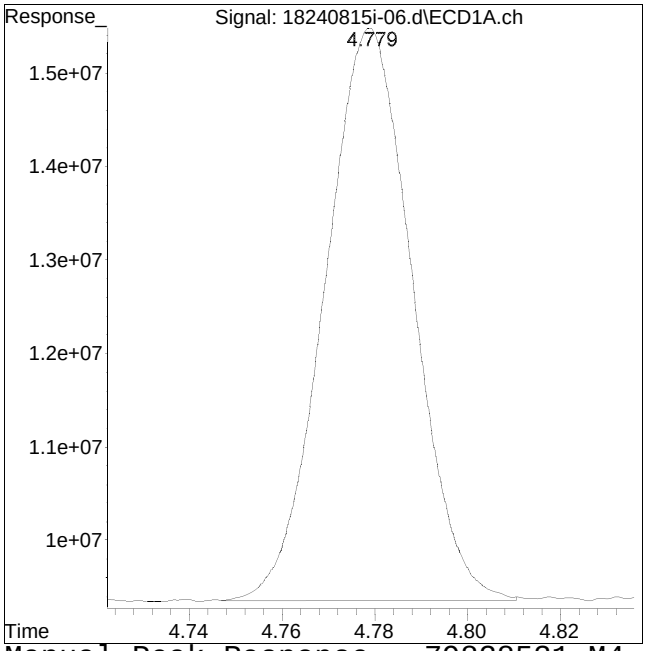
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #18: Endrin



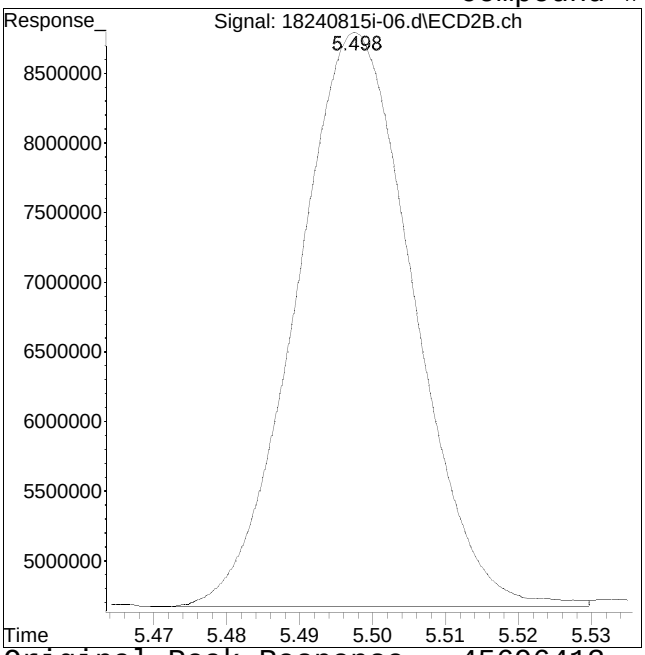


Original Peak Response = 111395478 Manual Peak Response = 79838531 M4
M4 = Poor automated baseline construction.

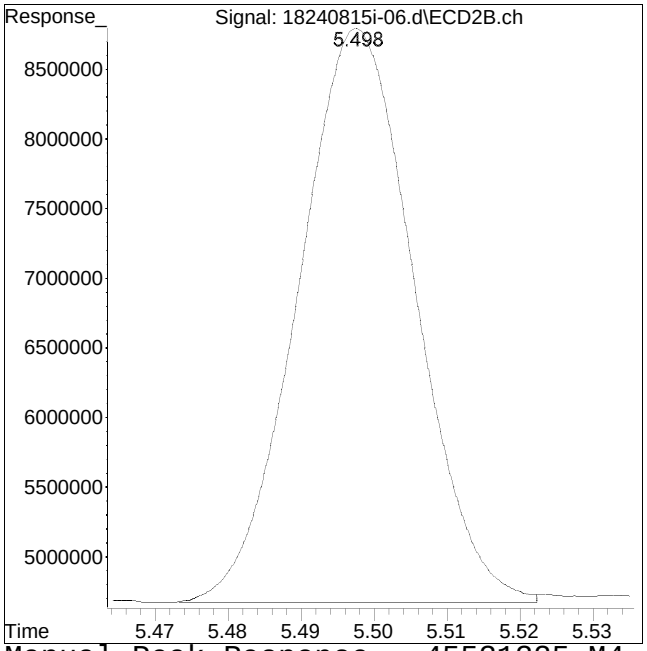
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #56: Endrin #2



Original Peak Response = 45696413



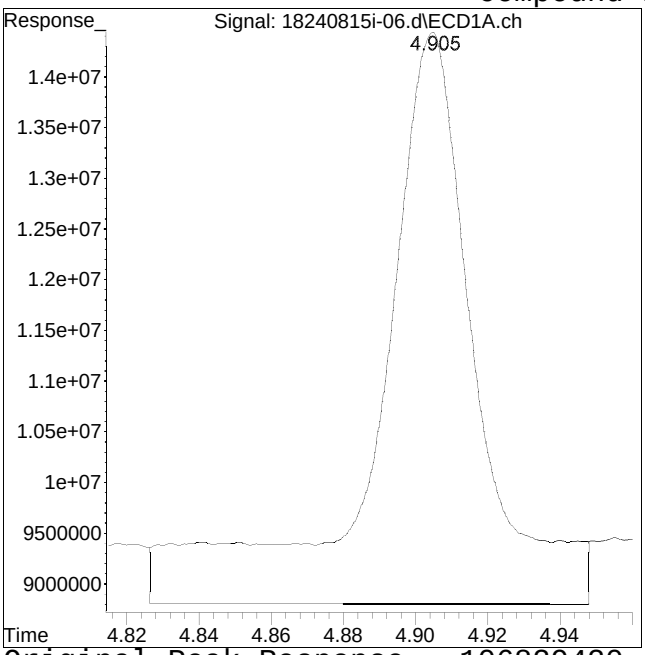
Manual Peak Response = 45531325 M4

M4 = Poor automated baseline construction.

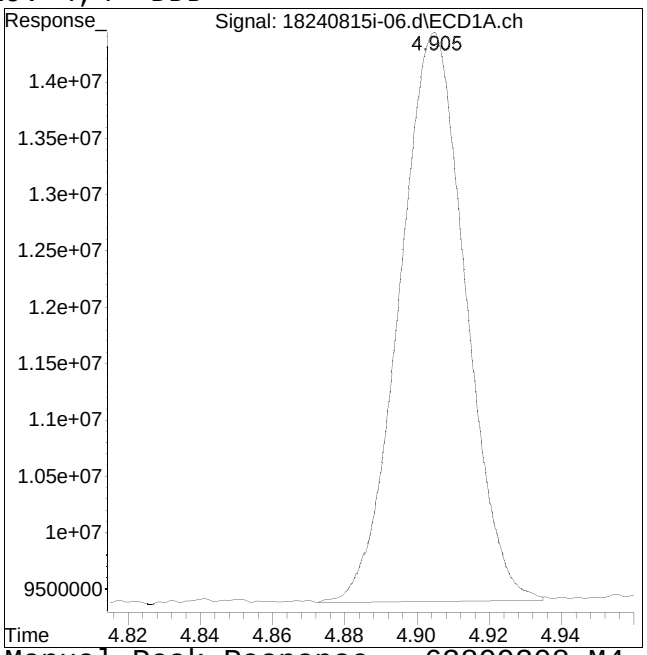
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #19: 4,4'-DDD



Original Peak Response = 106829420



Manual Peak Response = 63899308 M4

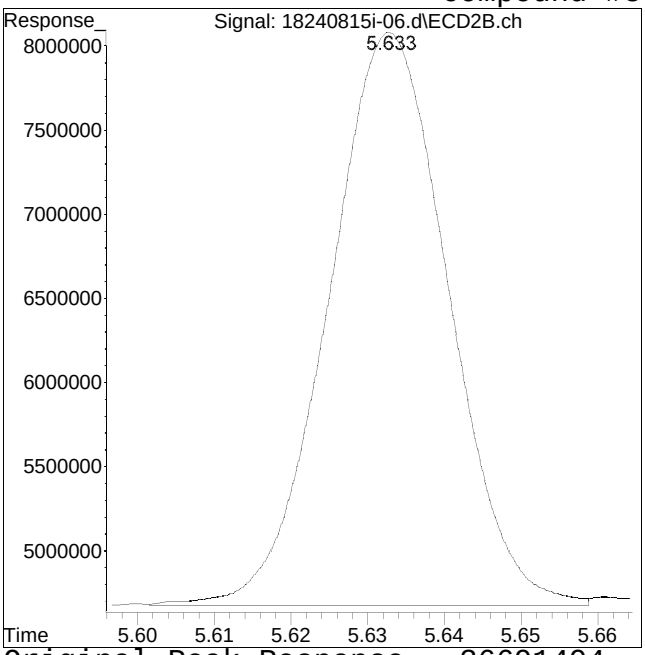
M4 = Poor automated baseline construction.

Manual Integration Report

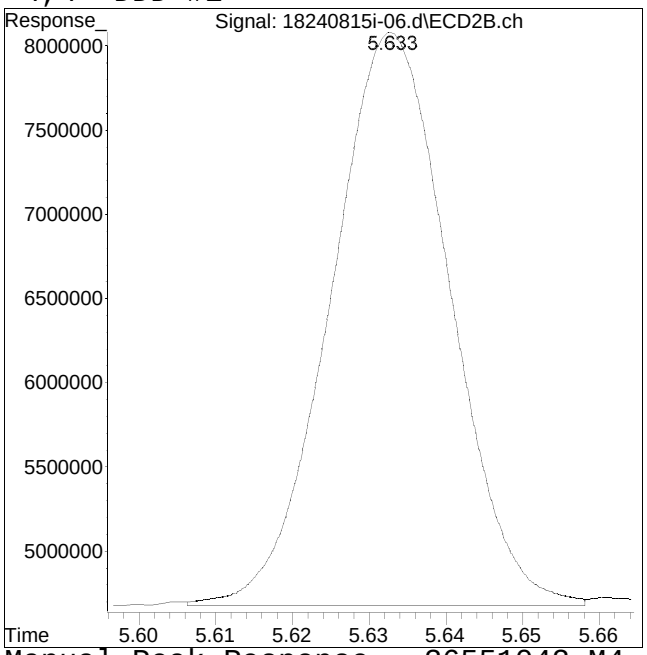
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-06.d
Date Inj'd : 8/15/2024 14:39
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 8:17 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 36691494



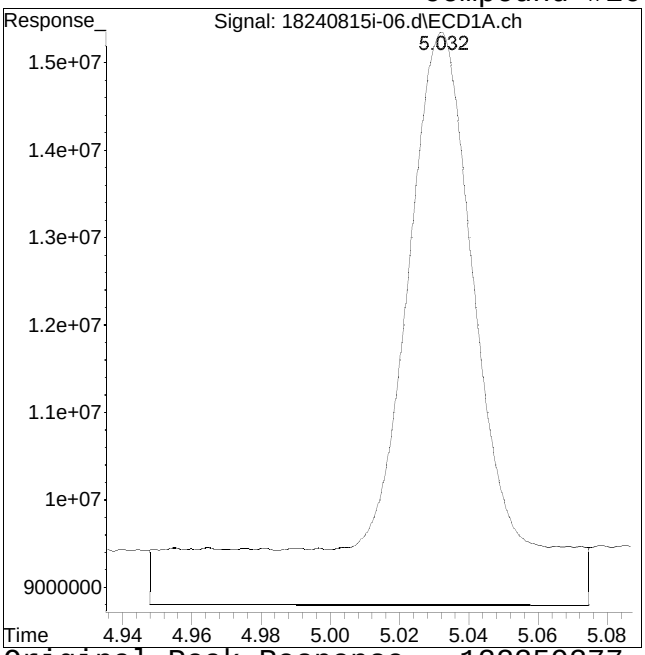
Manual Peak Response = 36551042 M4

M4 = Poor automated baseline construction.

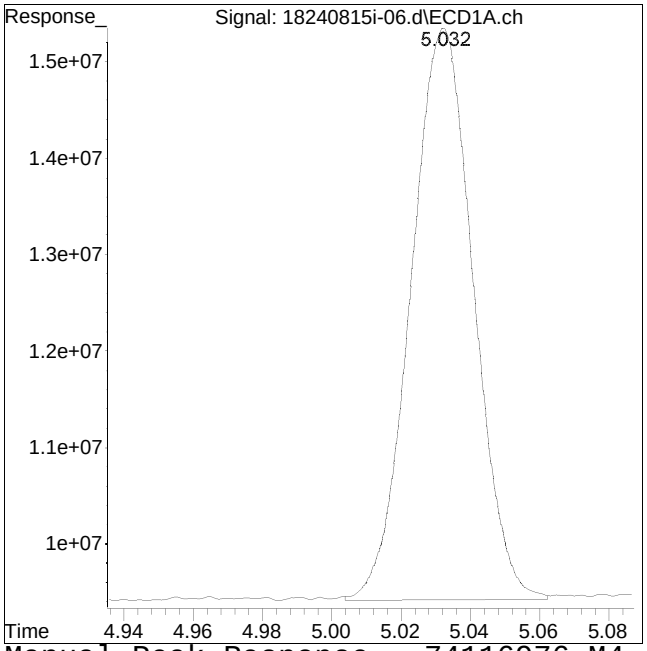
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #20: Endosulfan II



Original Peak Response = 122359377



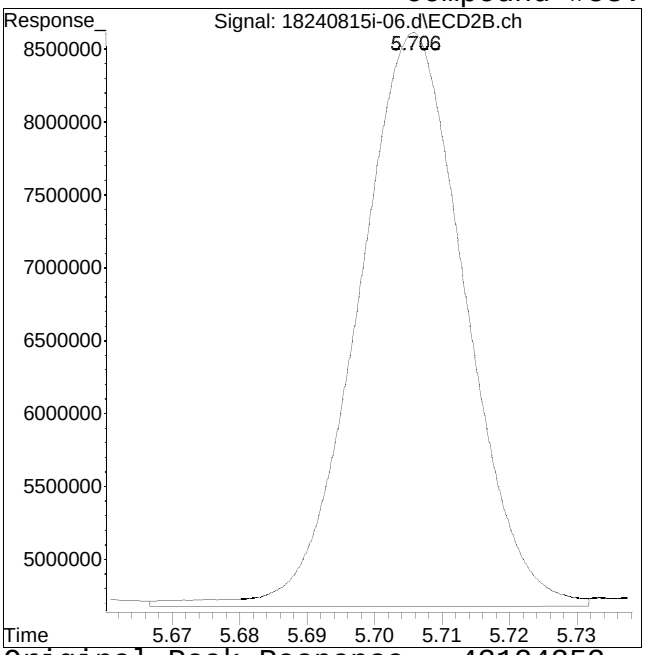
Manual Peak Response = 74116976 M4

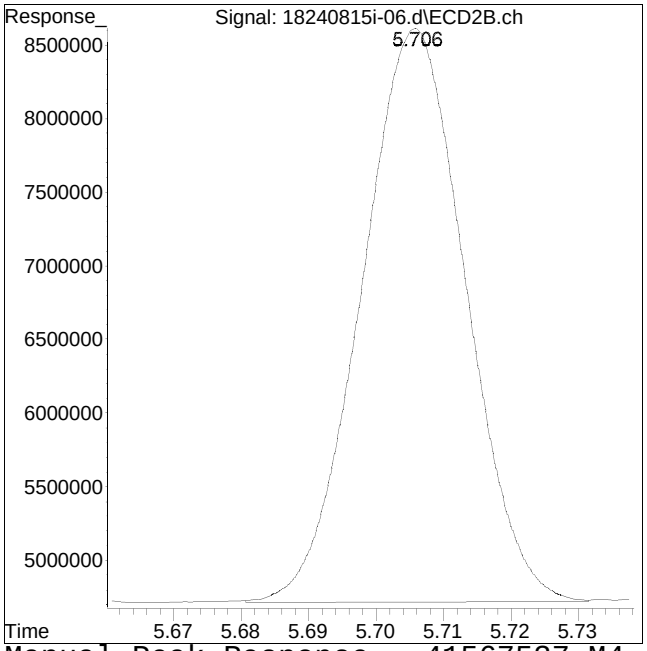
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #58: Endosulfan II #2



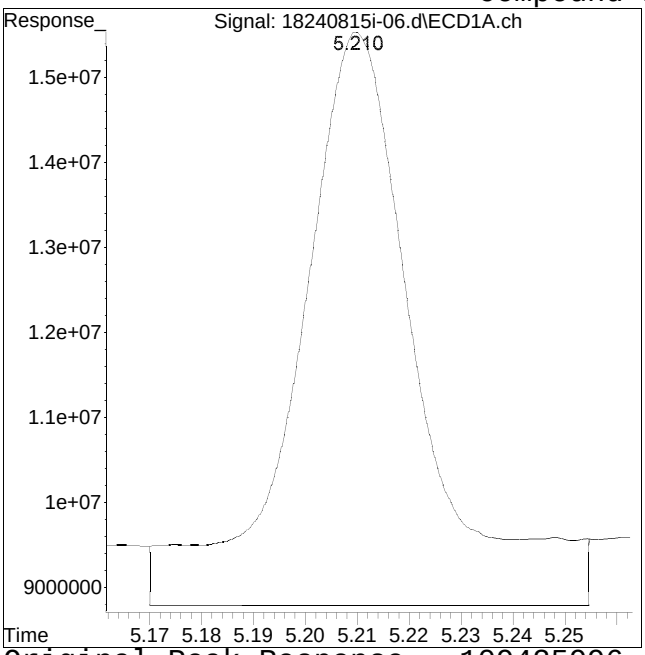


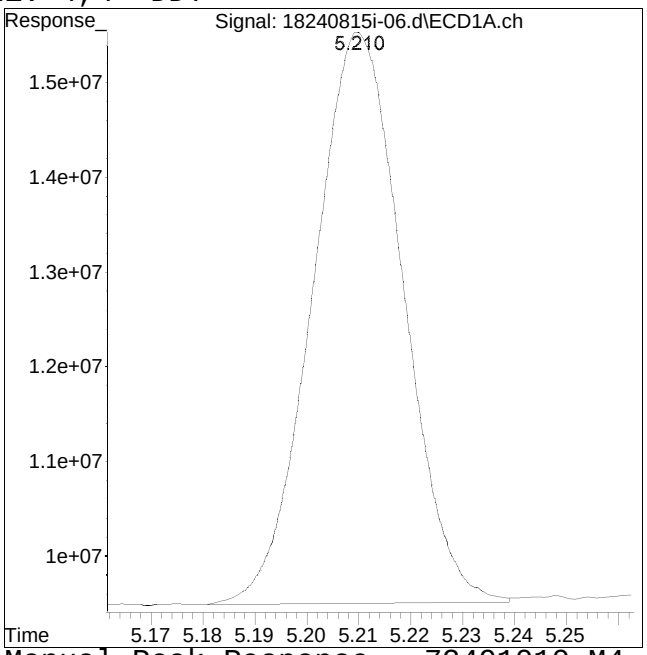
Original Peak Response = 43124253 Manual Peak Response = 41567537 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #21: 4,4'-DDT



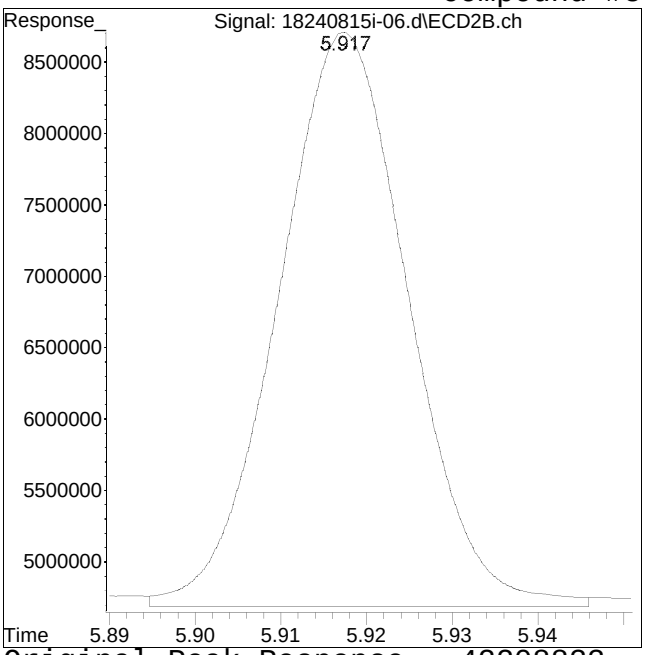


Original Peak Response = 109425996 Manual Peak Response = 72491010 M4
M4 = Poor automated baseline construction.

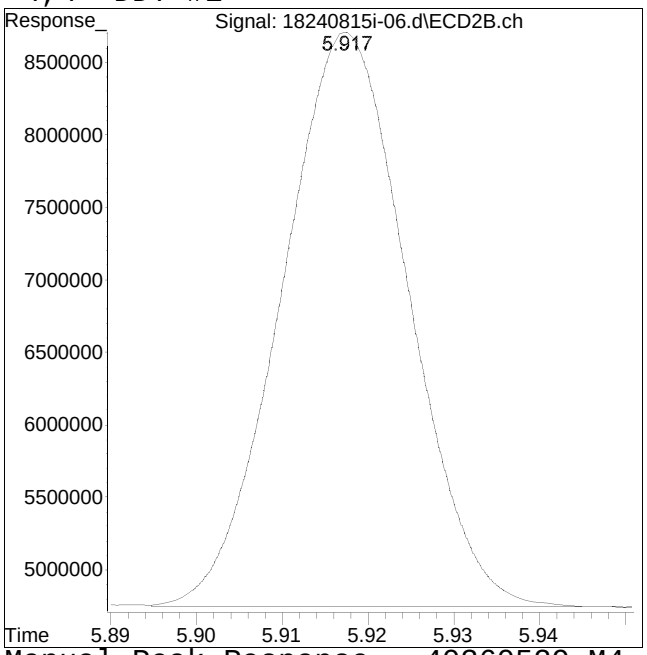
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 42208833



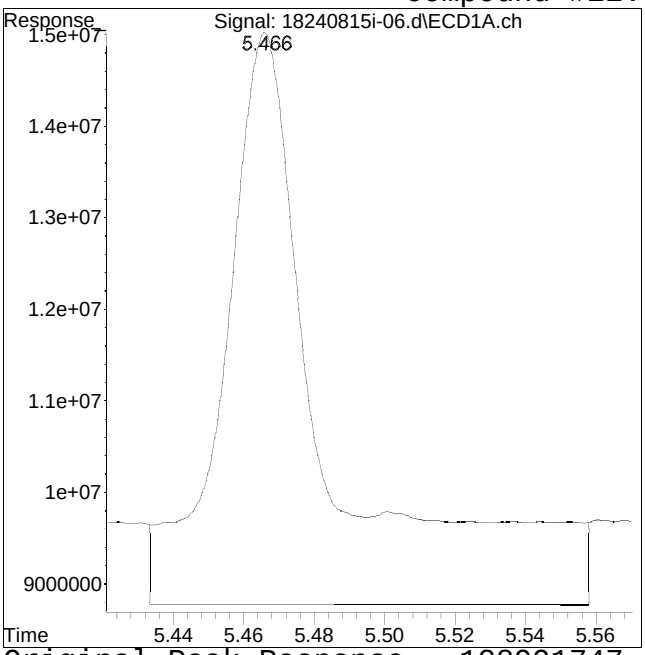
Manual Peak Response = 40360529 M4

M4 = Poor automated baseline construction.

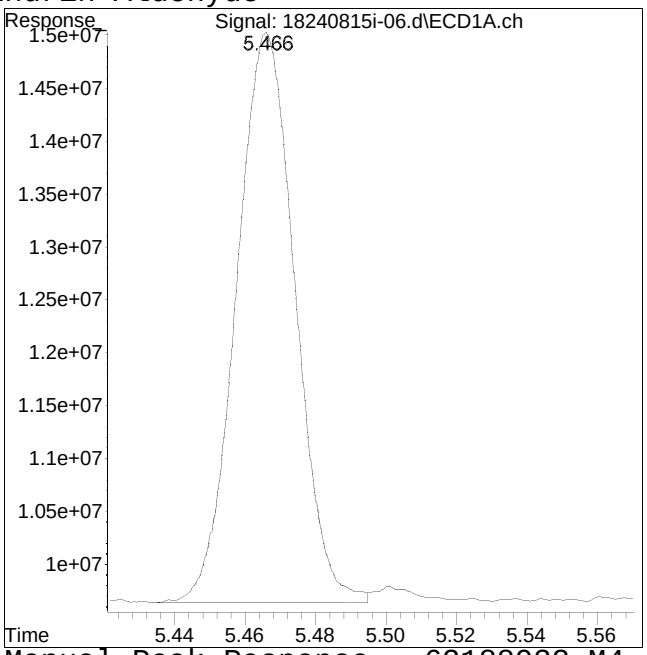
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #22: Endrin Aldehyde



Original Peak Response = 128991747



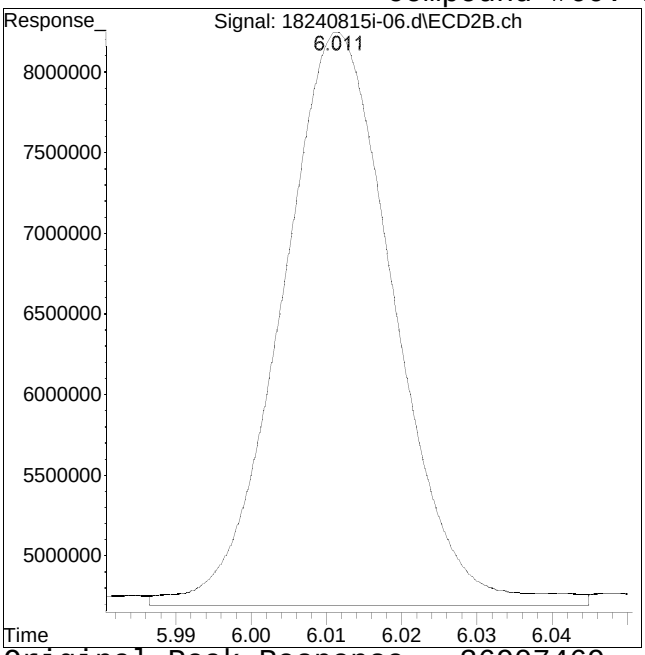
Manual Peak Response = 62188932 M4

M4 = Poor automated baseline construction.

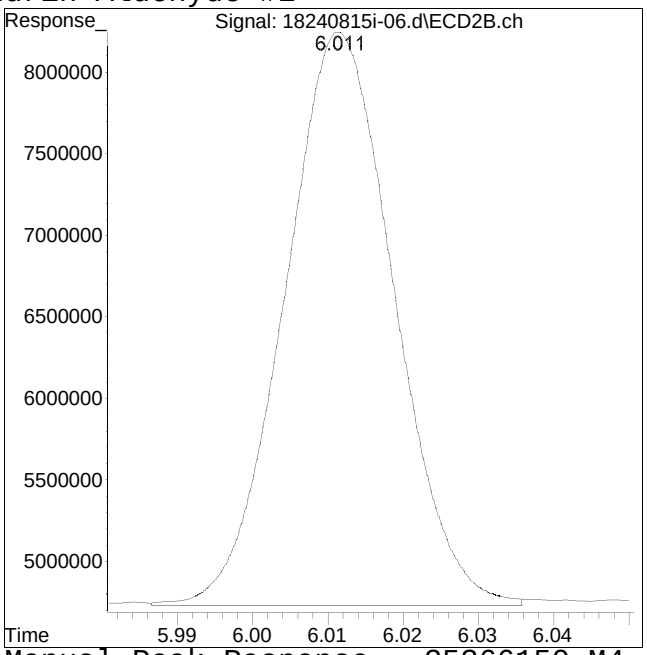
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 36907469



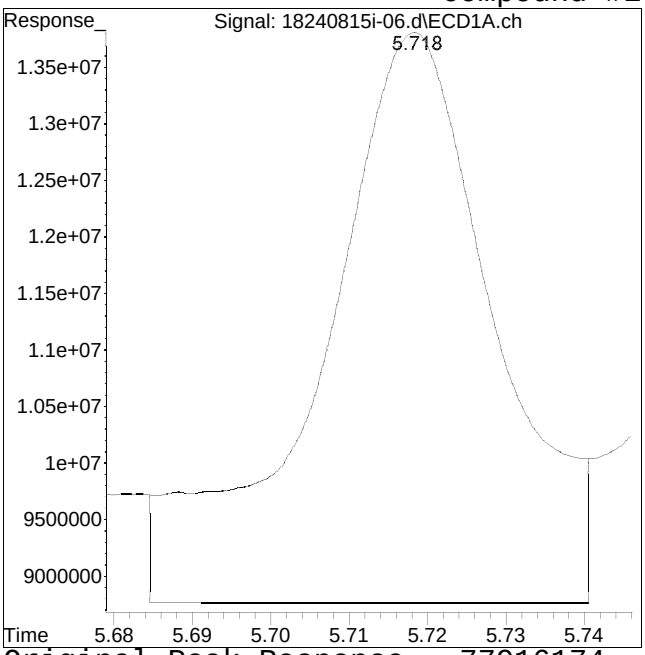
Manual Peak Response = 35366150 M4

M4 = Poor automated baseline construction.

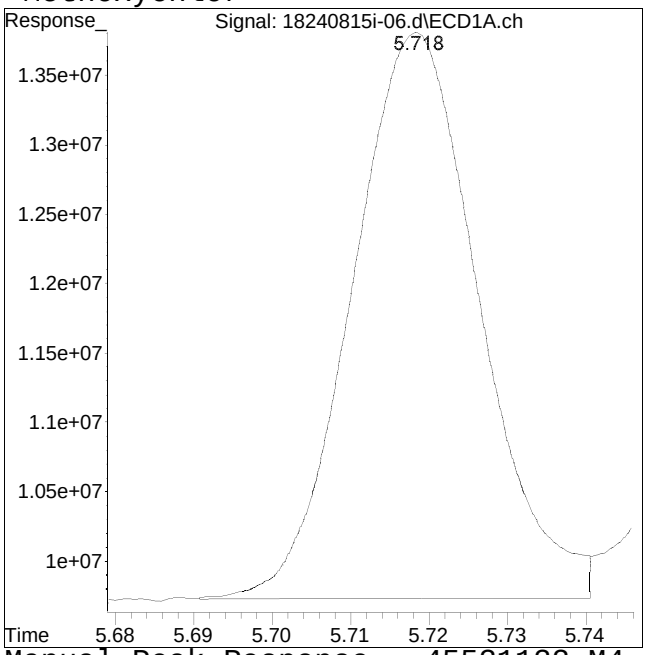
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #23: Methoxychlor



Original Peak Response = 77916174



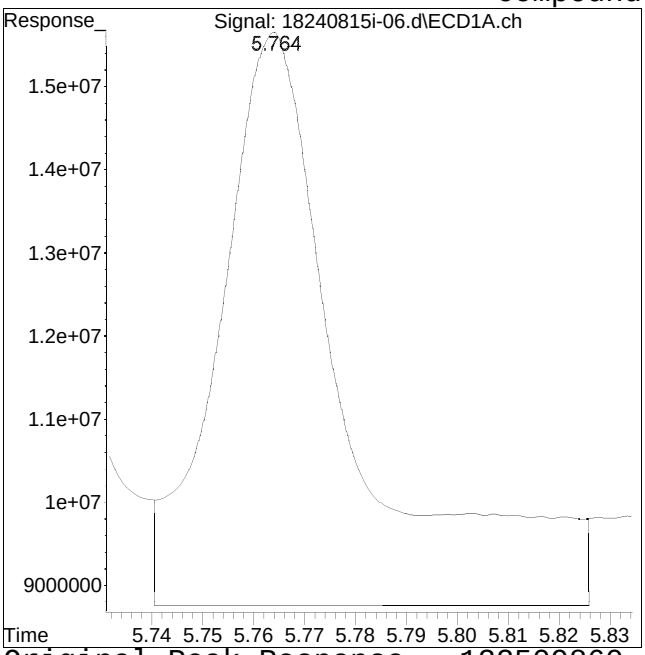
Manual Peak Response = 45531132 M4
M4 = Poor automated baseline construction.

Manual Integration Report

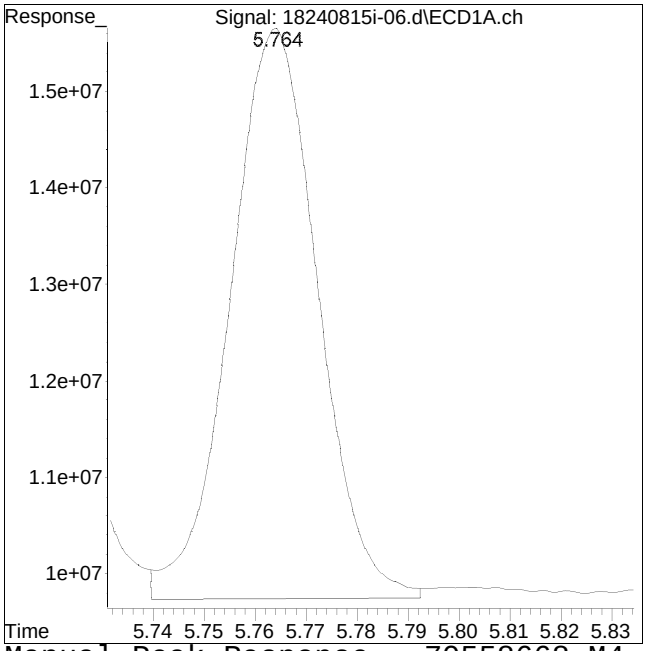
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-06.d
Date Inj'd : 8/15/2024 14:39
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 8:17 am

Compound #24: Mirex



Original Peak Response = 122509860



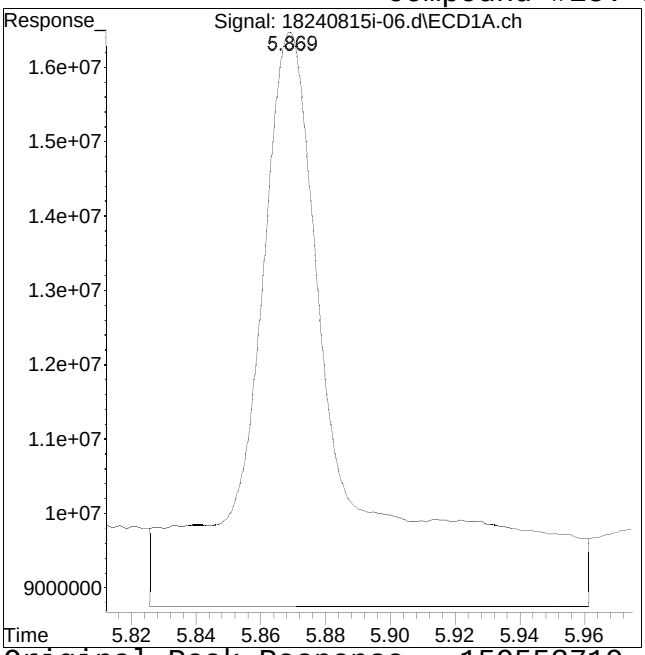
Manual Peak Response = 70558668 M4

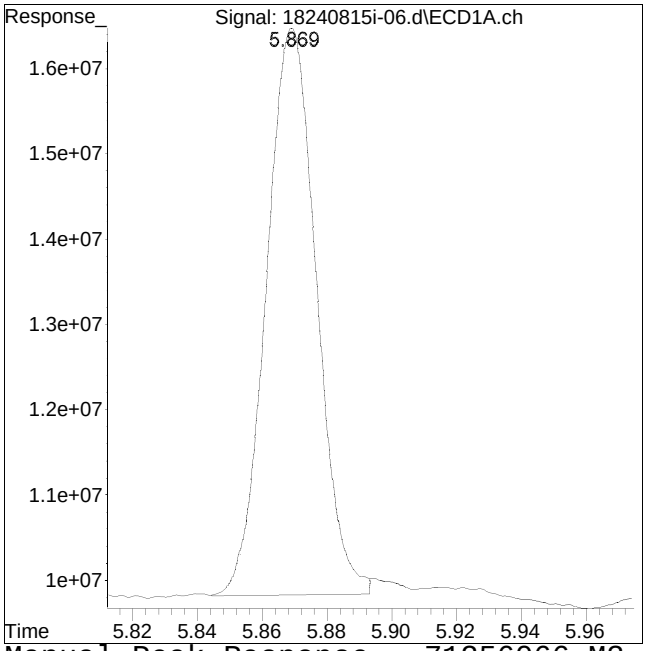
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #25: Endosulfan Sulfate



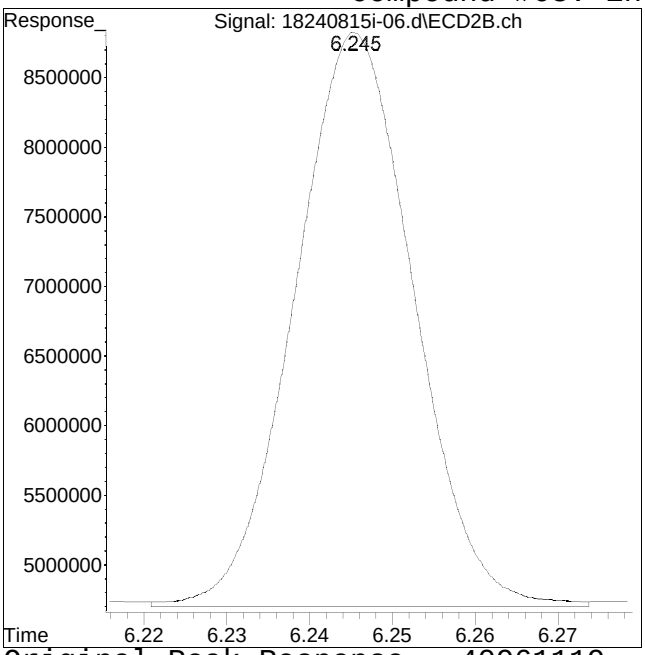


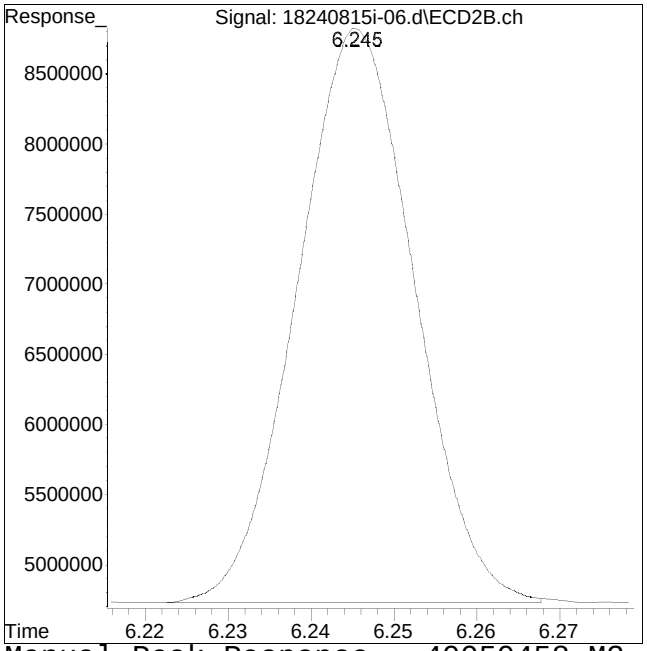
Original Peak Response = 159553719 Manual Peak Response = 71256066 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #63: Endosulfan Sulfate #2



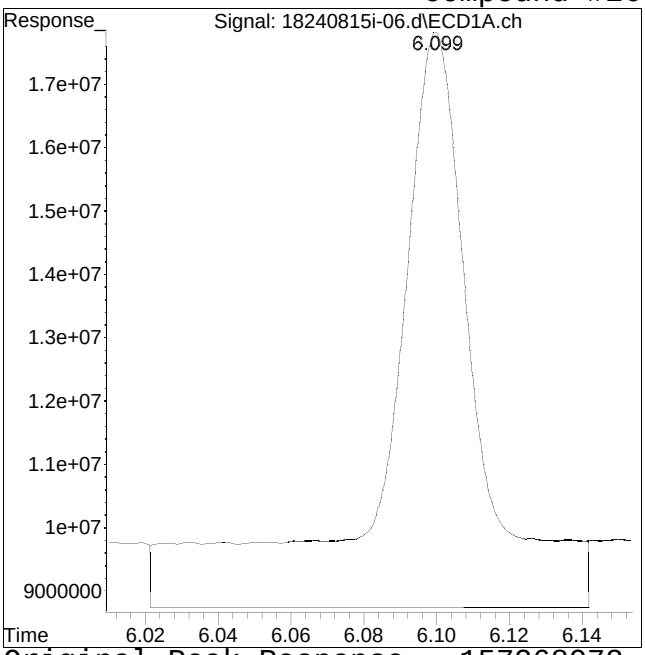


Original Peak Response = 40961119 Manual Peak Response = 40050458 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

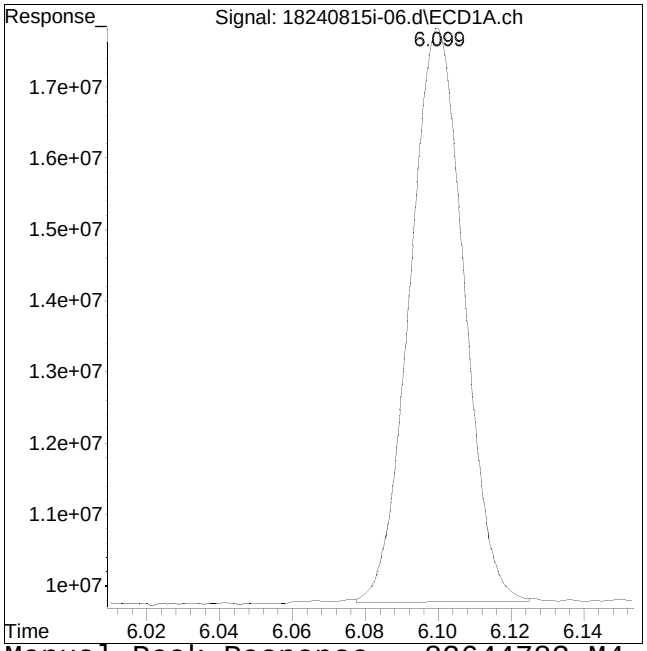
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #26: Endrin Ketone



Original Peak Response = 157268972

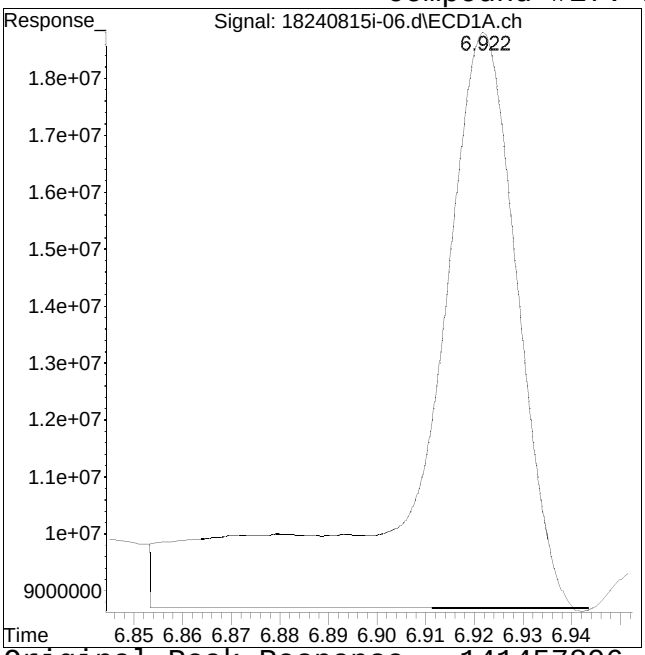


Manual Peak Response = 82644783 M4
M4 = Poor automated baseline construction.

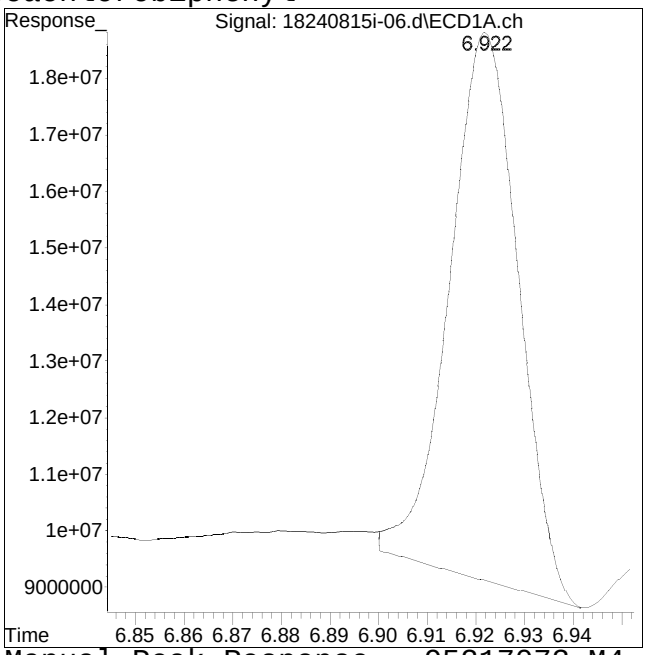
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 141457806



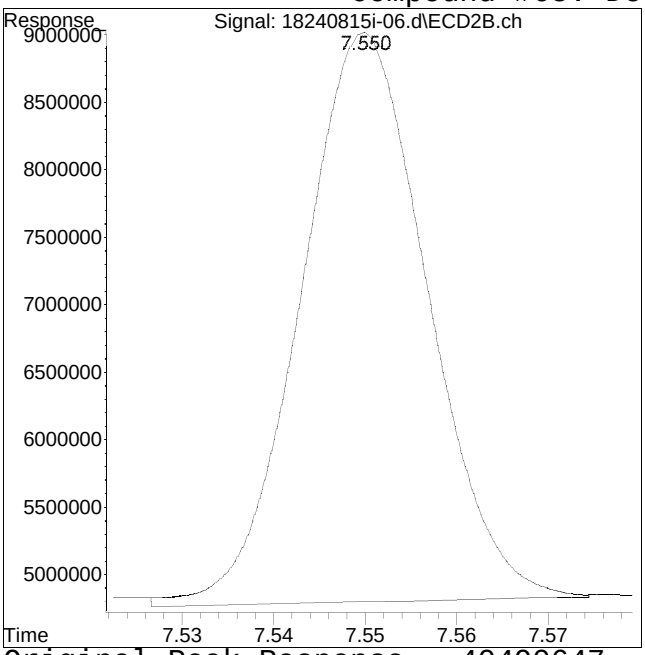
Manual Peak Response = 95217073 M4

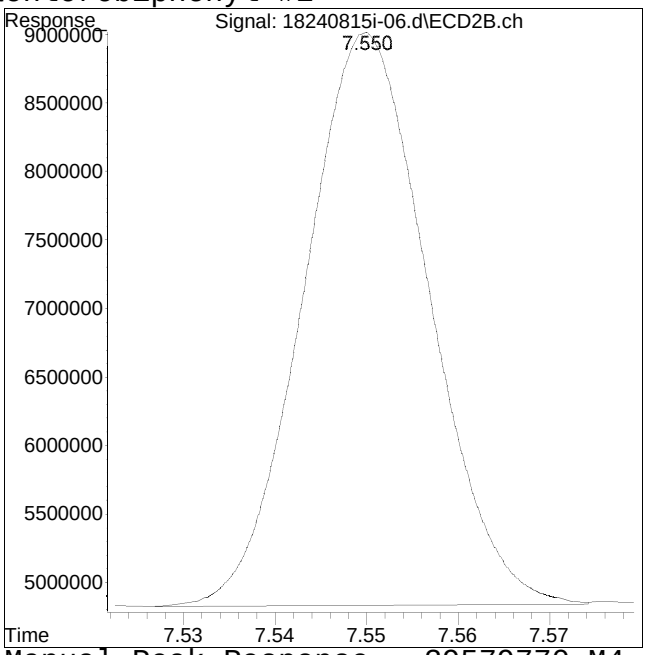
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-06.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:39 Instrument : Pest 18
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/16/2024 8:17 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 40490647 Manual Peak Response = 39579770 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:51
Operator : PEST18:peg
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:48:15 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:48:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.683	1.783	515.8E6	311.5E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.117	2.339	111.2E6	59029472	4.571M4	4.142M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		9.14%#	8.28%#
27)	s	Decachlorobi	6.922	7.550	119.2E6	50589797	4.630M4	4.589M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		9.26%#	9.18%#
		Target Compounds						
3)		Hexachlorobe	2.358	2.683	122.4E6	64439263	4.409M4	4.346M4
4)		alpha-BHC	2.469	2.786	123.1E6	73248450	3.946M4	3.696M4
5)		gamma-BHC (l	2.688	3.082	112.3E6	68557318	4.019M3	3.843M4
6)		beta-BHC	2.753	3.156	55657705	34568294	4.461M4	4.312M4
7)		delta-BHC	2.885	3.426	113.0E6	67597660	3.974M4	3.746
8)		Heptachlor	3.054	3.484	110.9E6	64981099	4.311M3	4.077
9)		Aldrin	3.303	3.804	105.6E6	62424950	4.115M4	3.855
10)		Alachlor	3.442	3.700	16218761	10356908	4.611M4	4.665M4
11)		Chlorpyrifos	3.537	4.055	54473531	35164077	4.822M4	4.813M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:51
Operator : PEST18:peg
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:48:15 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:48:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	3.862	4.423	99198028	61303342	4.359M4	4.108M4
13)		gamma-Chlord	3.989	4.646	94018299	55259331	4.211M4	3.983M4
14)		alpha-Chlord	4.125	4.820	106.9E6	62017303	4.259M4	4.024M4
15)		4,4'-DDE	4.231	5.035	106.5E6	58995096	4.149M4	3.805M4
16)		Endosulfan I	4.260	4.883	97885818	57457457	4.393M4	4.062M4
17)		Dieldrin	4.523	5.189	100.4E6	57255885	4.200M3	3.883M3
18)		Endrin	4.780	5.499	102.8E6	59007733	4.297M4	4.042
19)		4,4'-DDD	4.906	5.633	81055731	46031867	4.130M4	3.850M4
20)		Endosulfan I	5.033	5.706	94697720	53216746	4.417M4	4.120M4
21)		4,4'-DDT	5.210	5.918	91413169	51368726	4.156M4	3.923M4
22)		Endrin Aldeh	5.466	6.012	78681356	44230939	4.338M4	4.087M4
23)		Methoxychlor	5.718	6.498	56768720	32200593	4.822M4	4.671M4
24)		Mirex	5.764	6.625	86844361	47559188	4.713M4	4.577M4
25)		Endosulfan S	5.869	6.246	91411938	51343864	4.263M3	4.141
26)		Endrin Keton	6.100	6.665	105.1E6	56243218	4.463M4	4.196M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:51
Operator : PEST18:peg
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:48:15 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:48:07 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

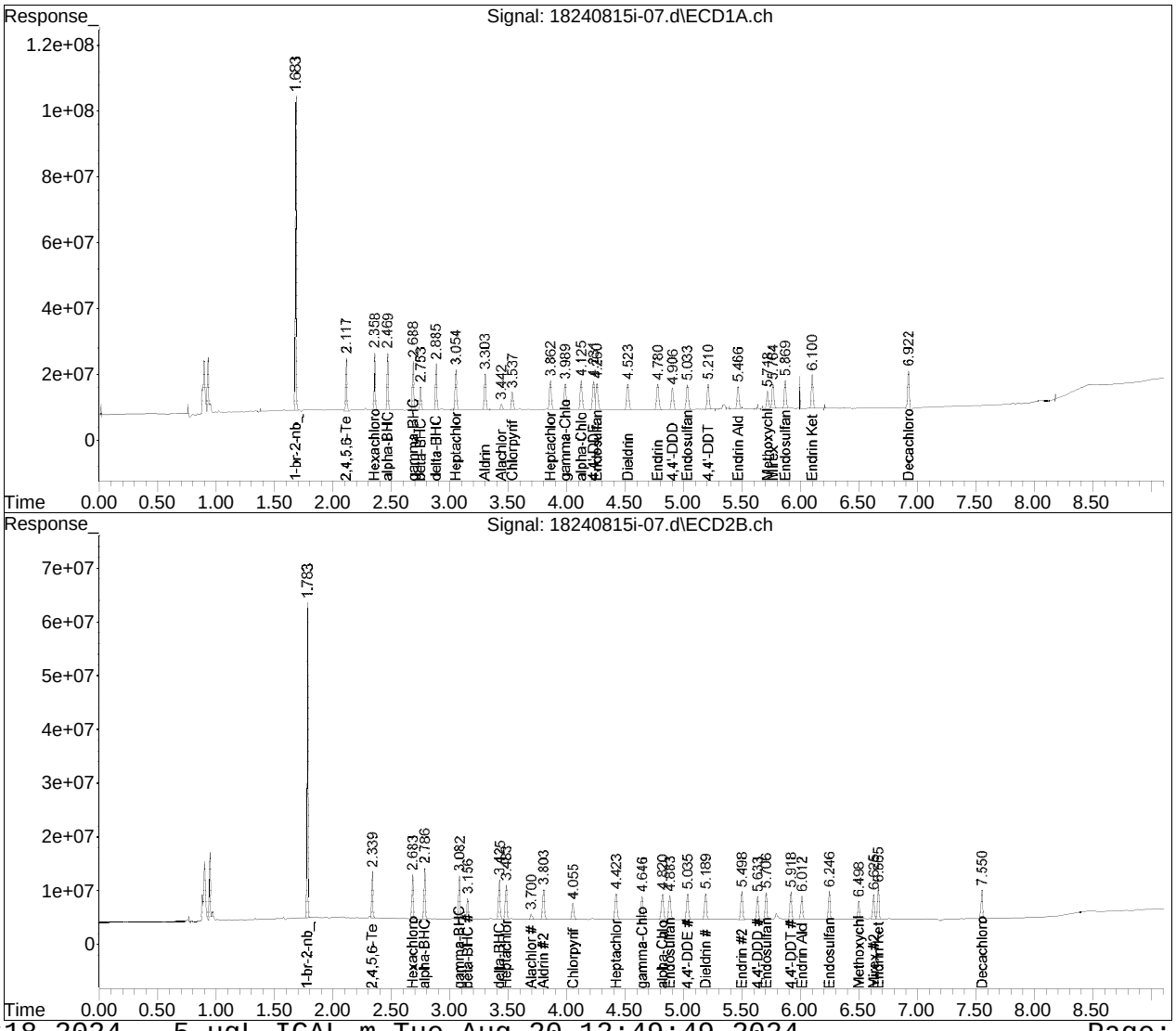
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 14:51
Operator : PEST18:peg
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:48:15 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:48:07 2024
Response via : Initial Calibration
Integrator: ChemStation

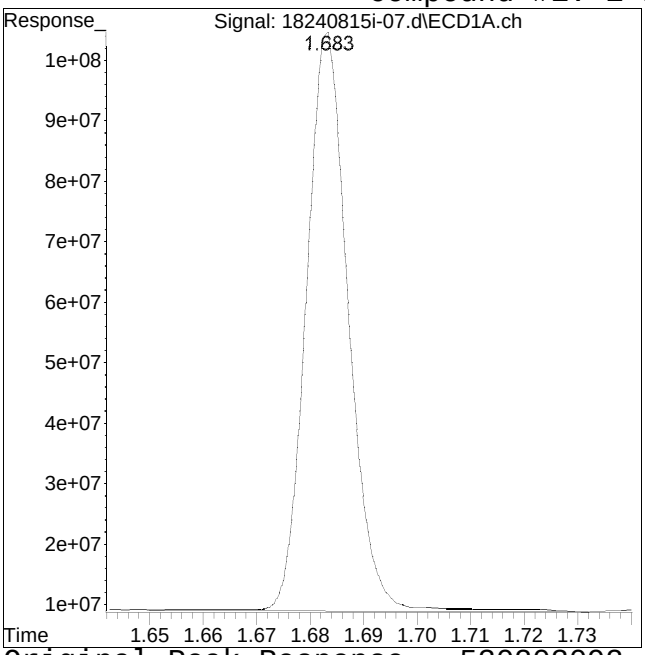
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



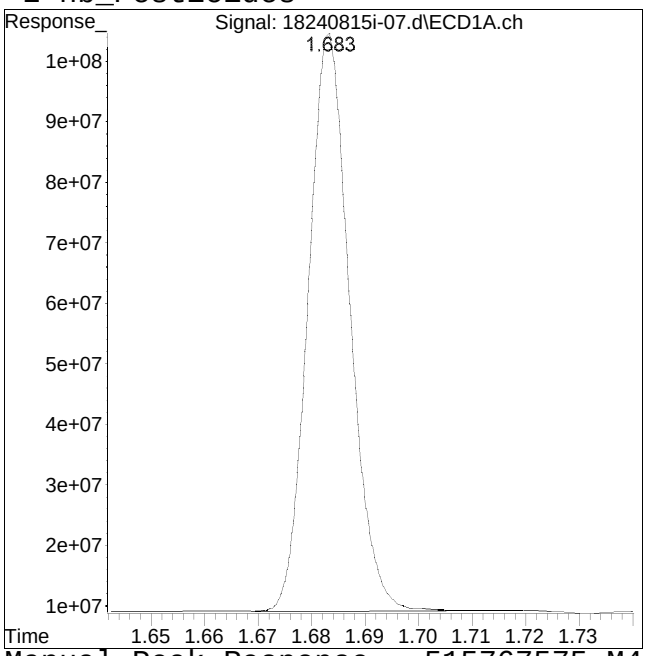
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 530203092



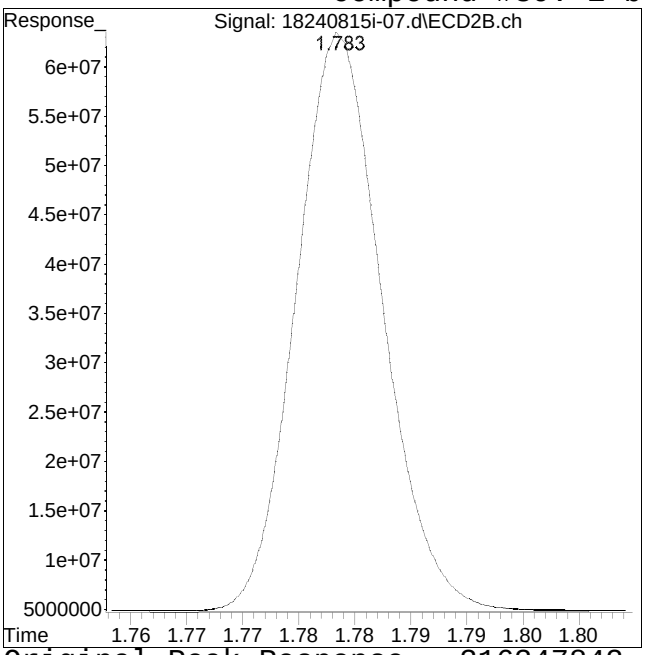
Manual Peak Response = 515767575 M4

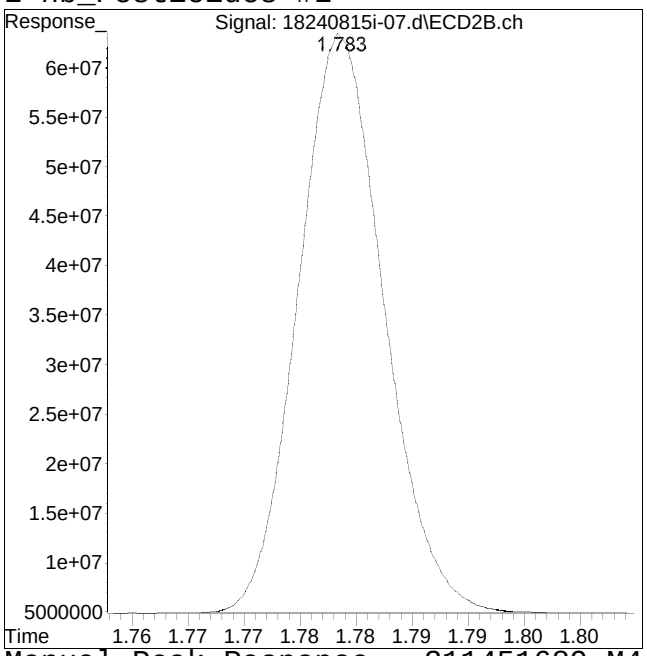
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #39: 1-br-2-nb_Pesticides #2



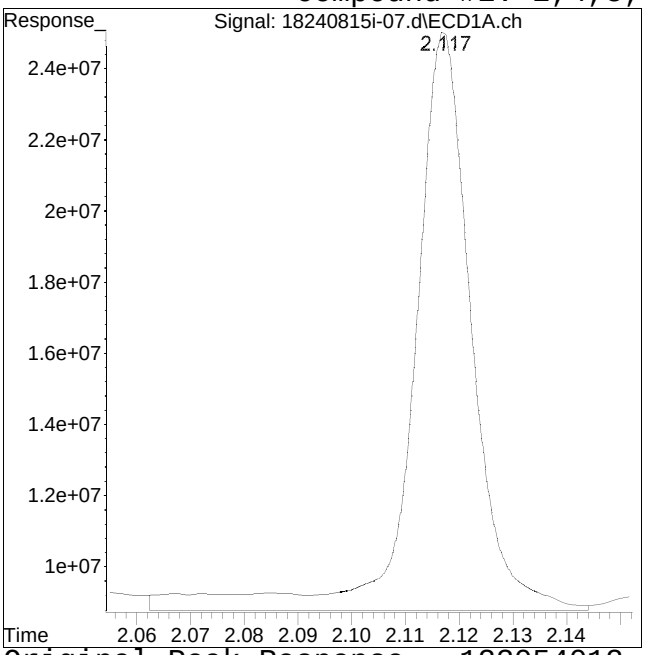


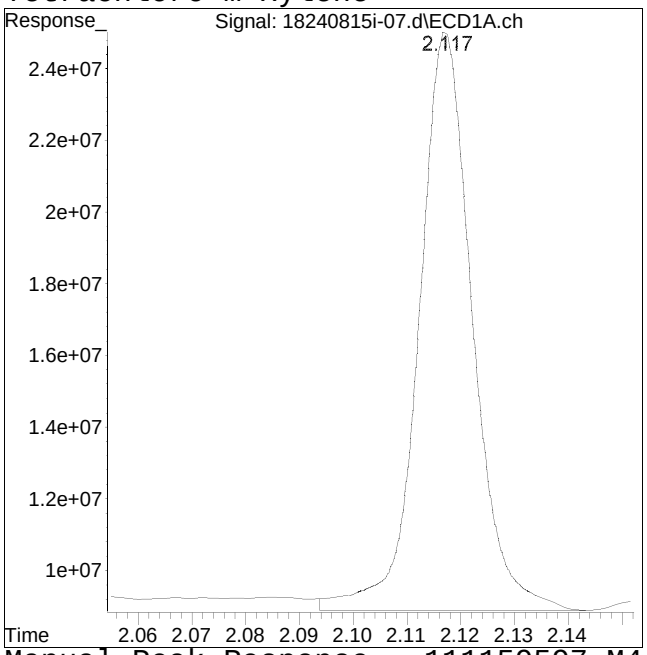
Original Peak Response = 316347842 Manual Peak Response = 311451689 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



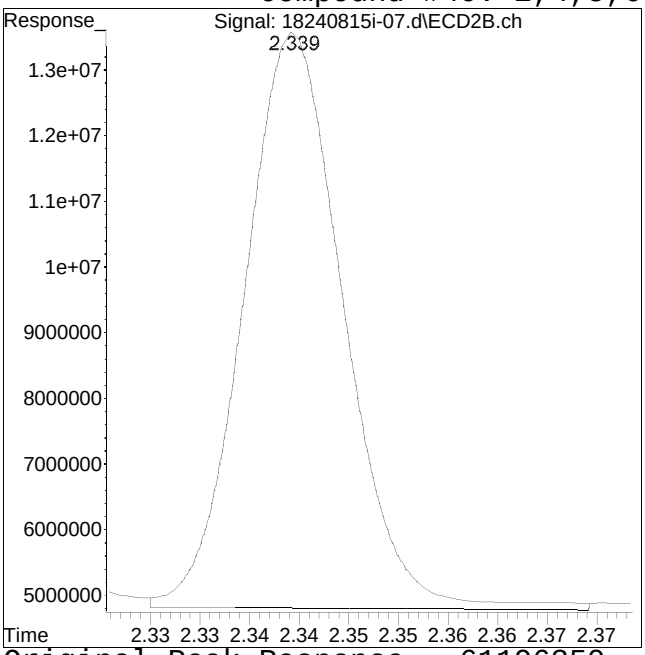


Original Peak Response = 123054012 Manual Peak Response = 111159597 M4
M4 = Poor automated baseline construction.

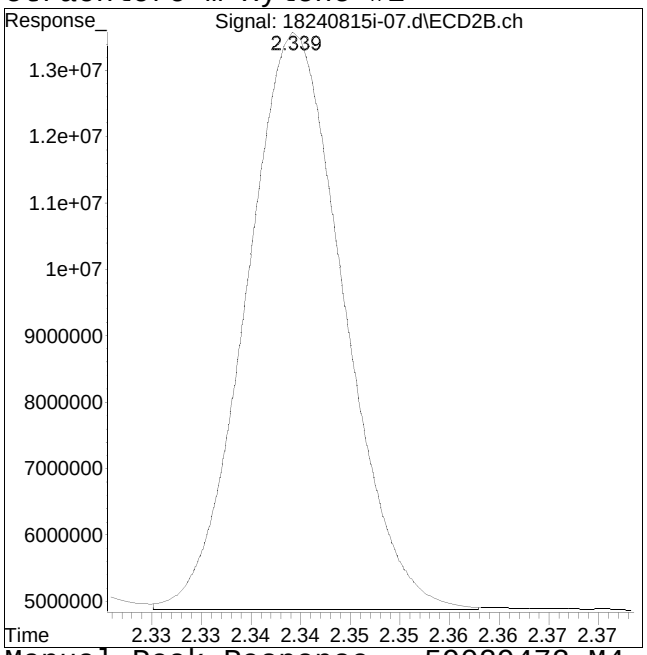
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 61196350



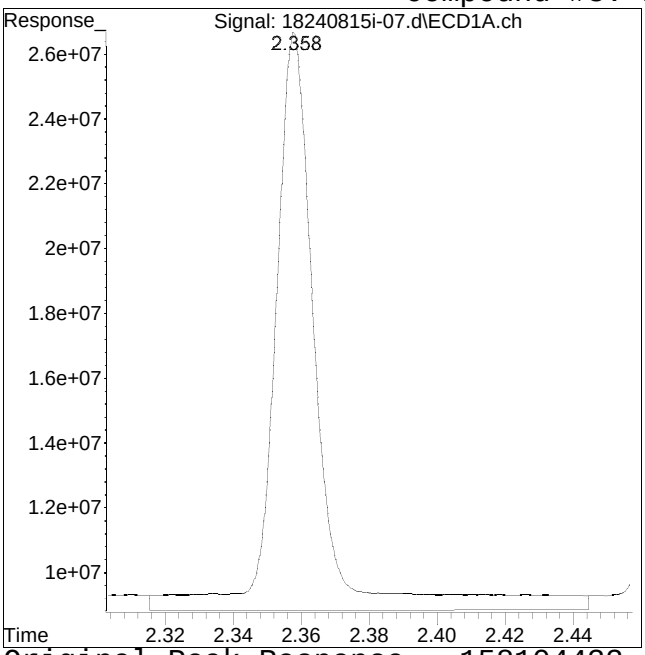
Manual Peak Response = 59029472 M4

M4 = Poor automated baseline construction.

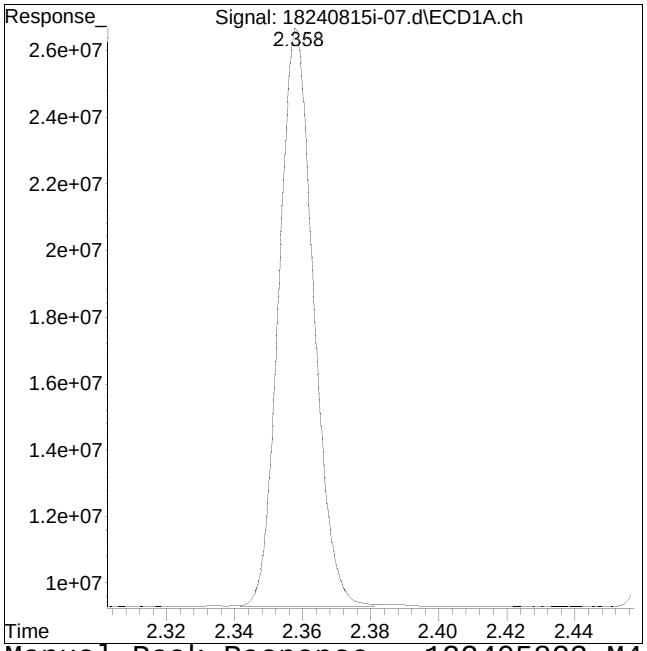
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #3: Hexachlorobenzene



Original Peak Response = 158104433



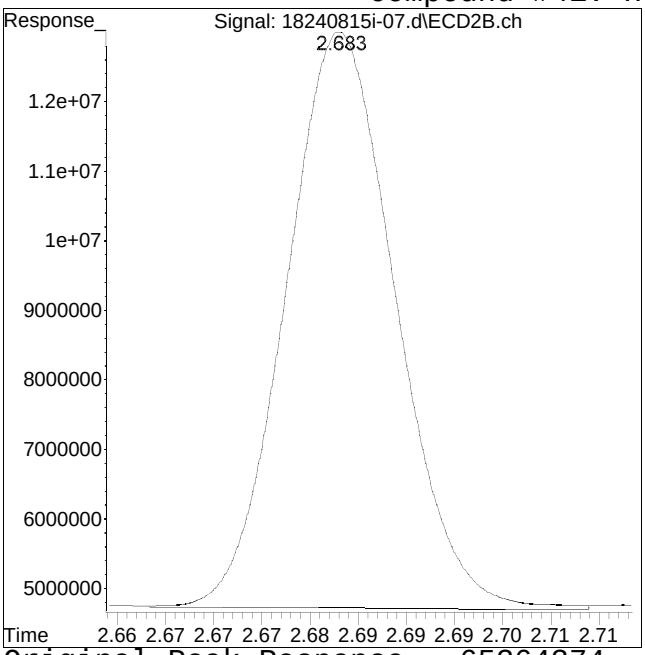
Manual Peak Response = 122405823 M4

M4 = Poor automated baseline construction.

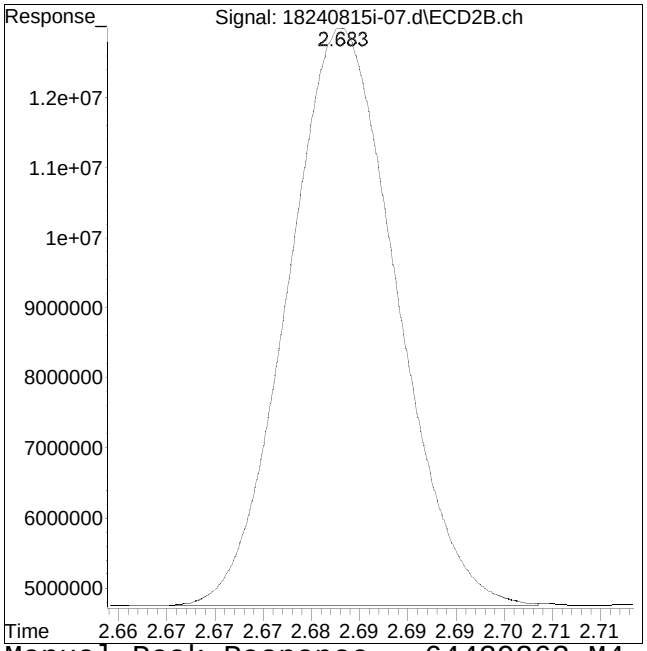
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 65364374



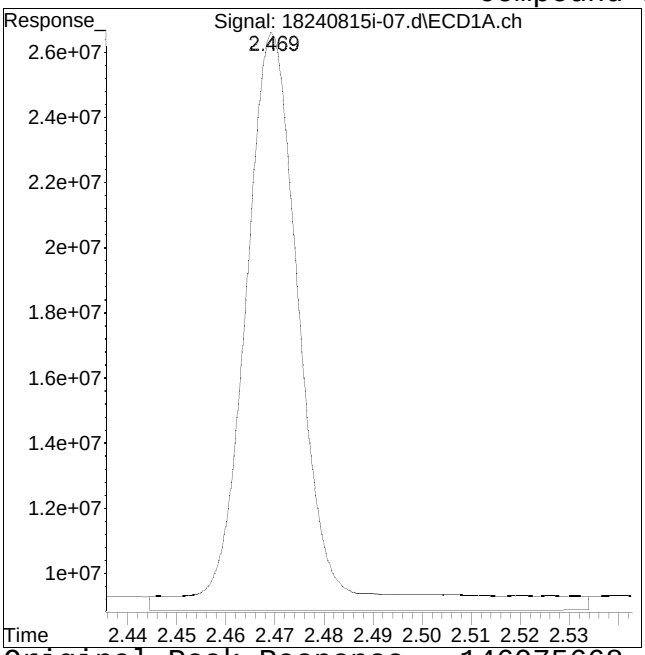
Manual Peak Response = 64439263 M4

M4 = Poor automated baseline construction.

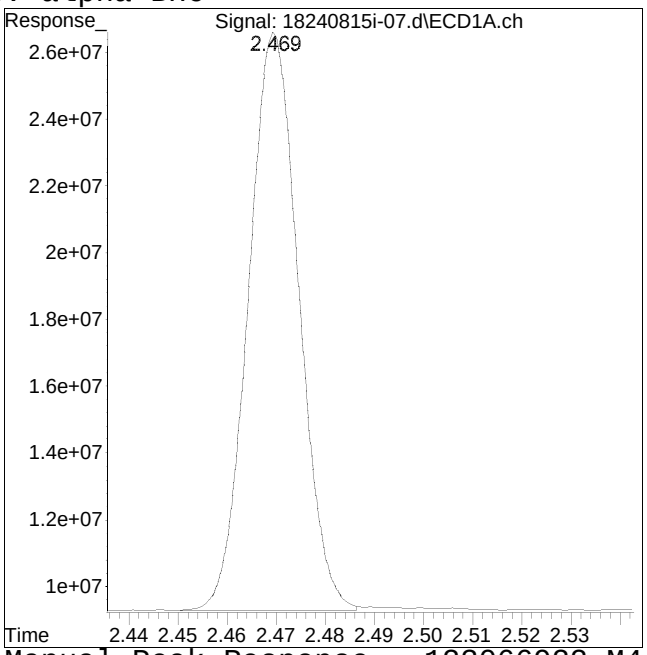
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #4: alpha-BHC



Original Peak Response = 146075668



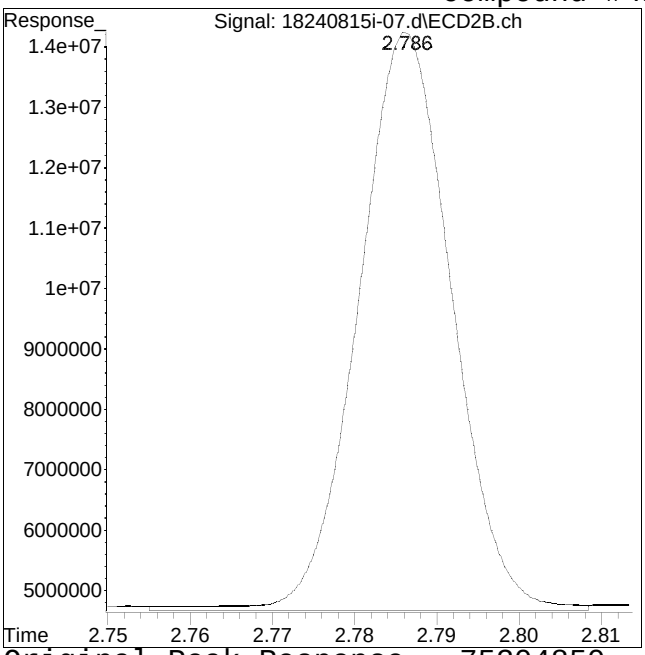
Manual Peak Response = 123066922 M4

M4 = Poor automated baseline construction.

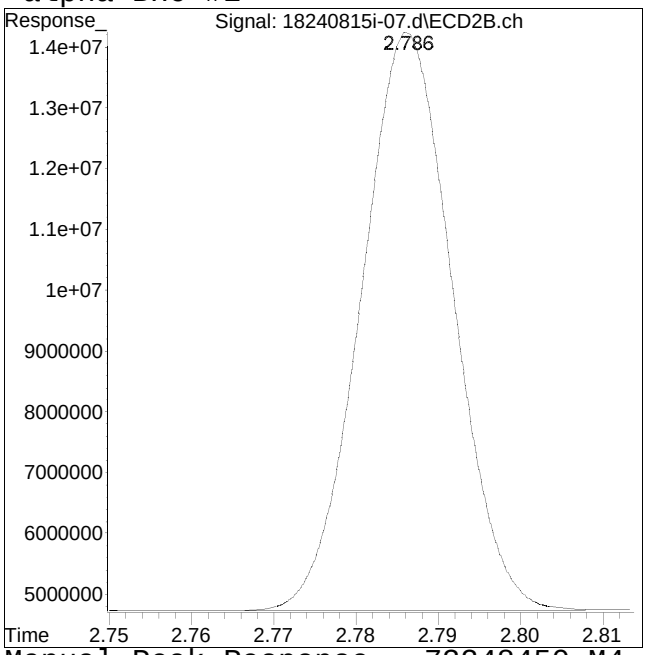
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #42: alpha-BHC #2



Original Peak Response = 75304850



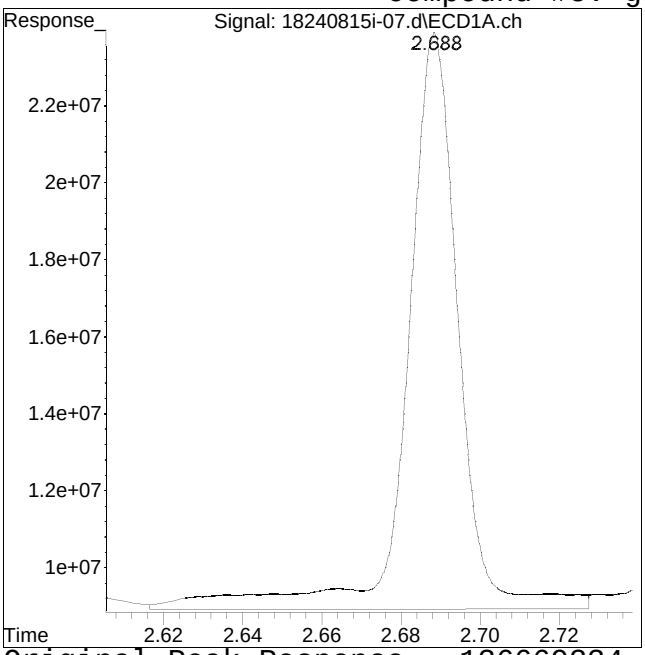
Manual Peak Response = 73248450 M4

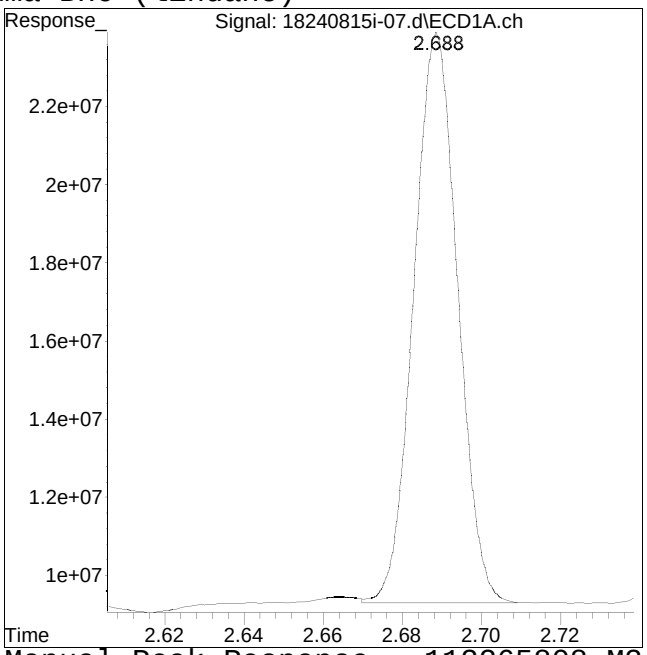
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #5: gamma-BHC (lindane)



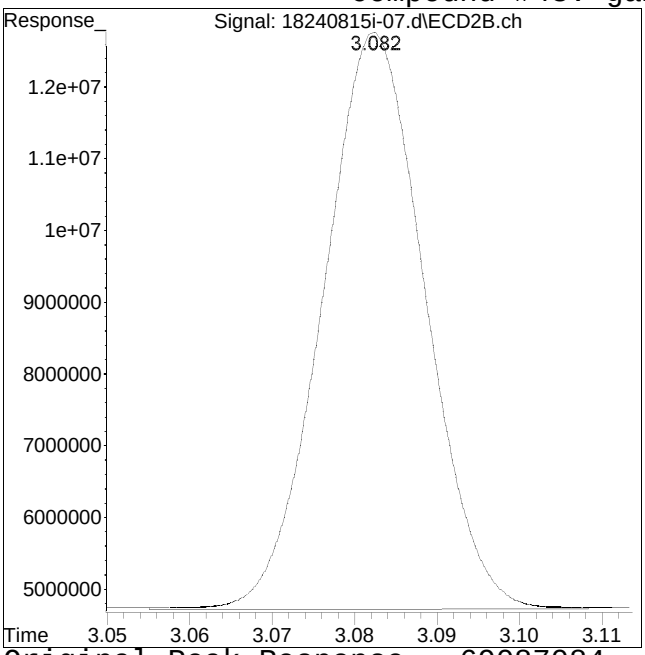


Original Peak Response = 136669334 Manual Peak Response = 112265808 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

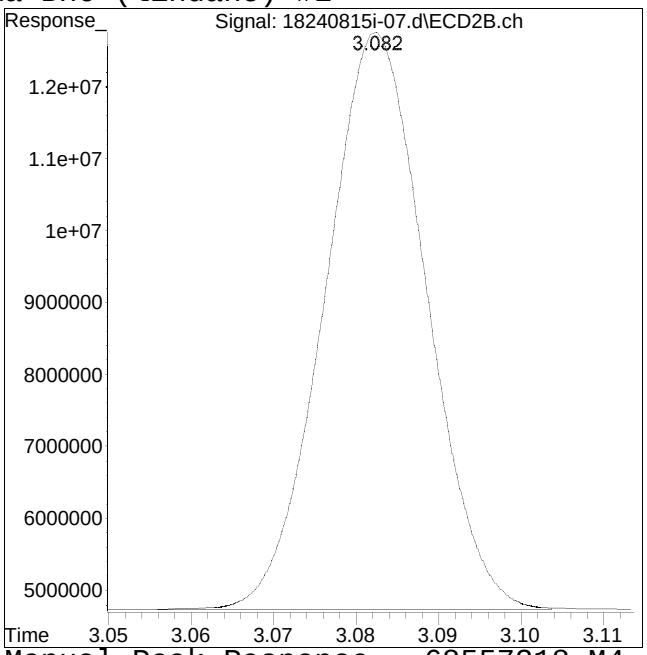
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 69087084



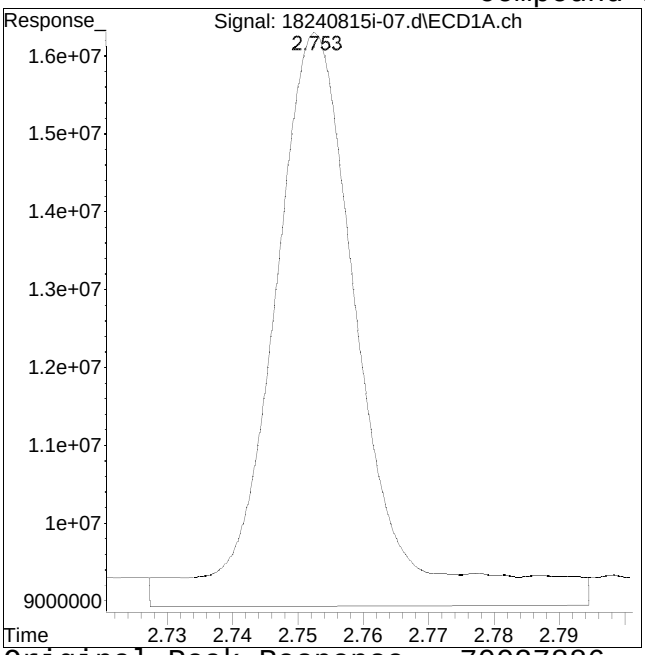
Manual Peak Response = 68557318 M4

M4 = Poor automated baseline construction.

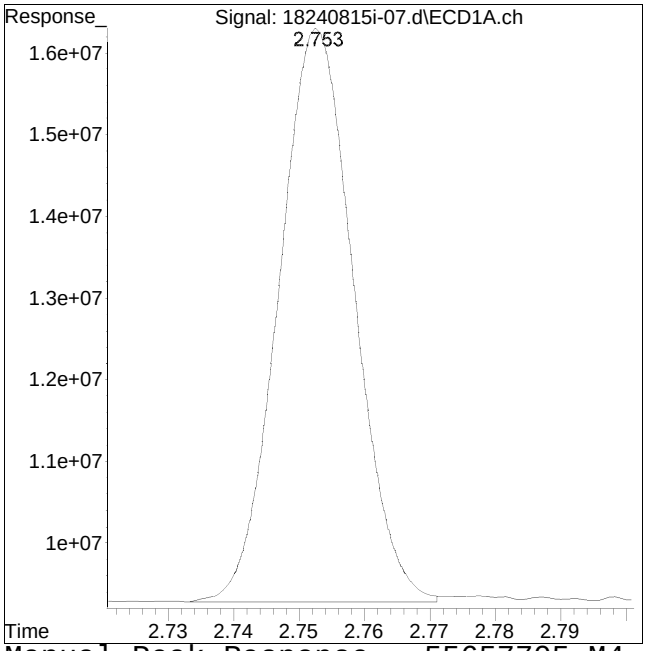
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #6: beta-BHC



Original Peak Response = 70027886



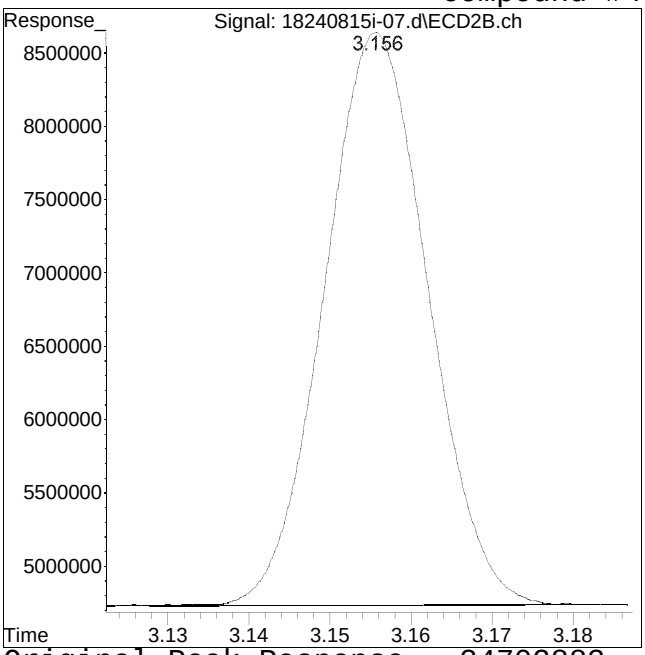
Manual Peak Response = 55657705 M4

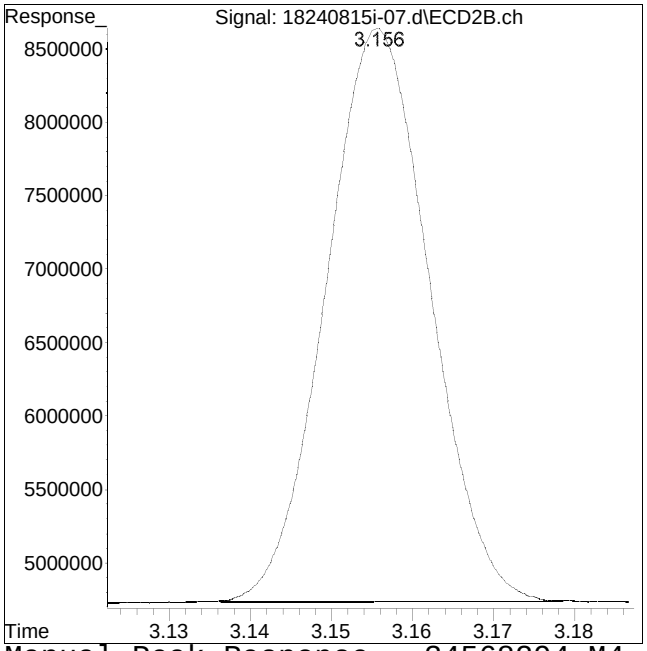
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #44: beta-BHC #2



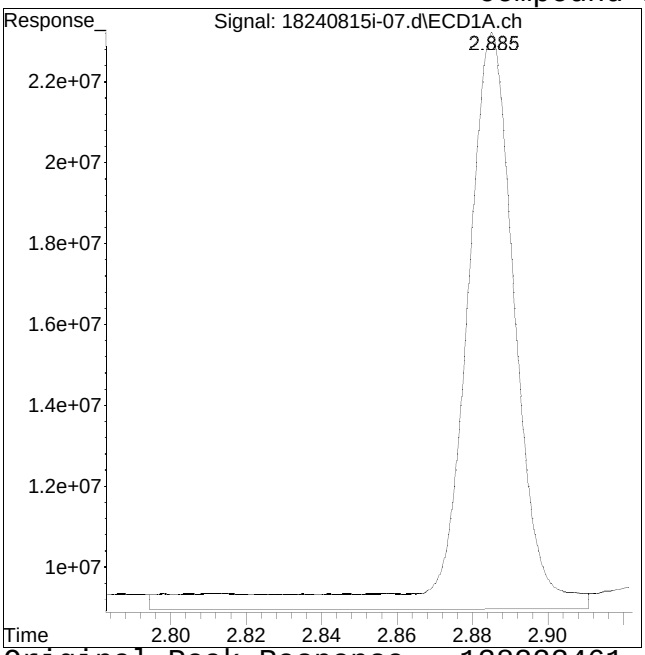


Original Peak Response = 34702883 Manual Peak Response = 34568294 M4
M4 = Poor automated baseline construction.

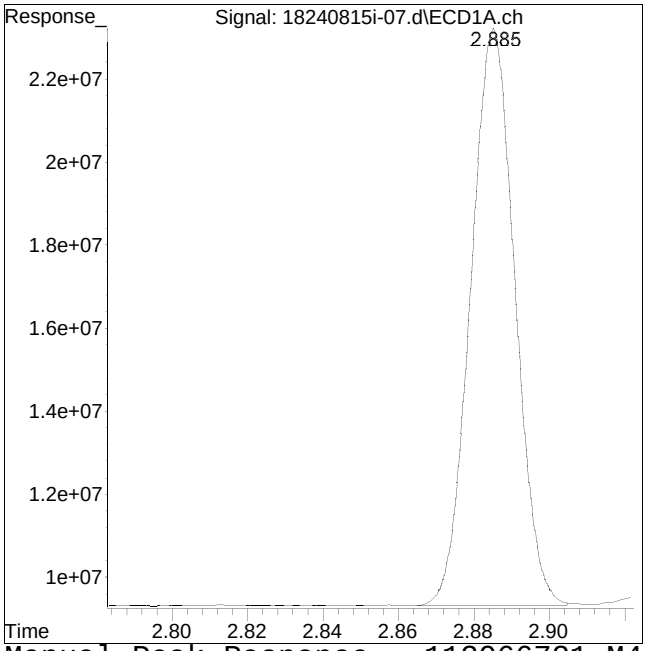
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #7: delta-BHC



Original Peak Response = 138222461

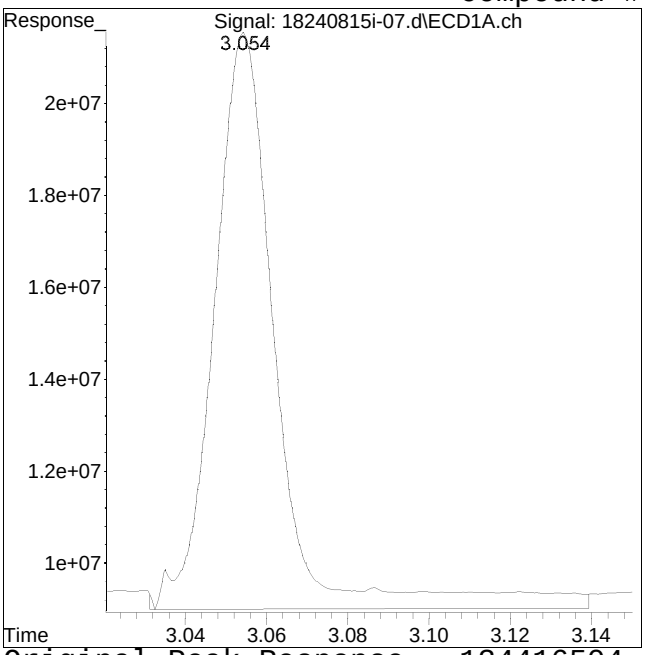


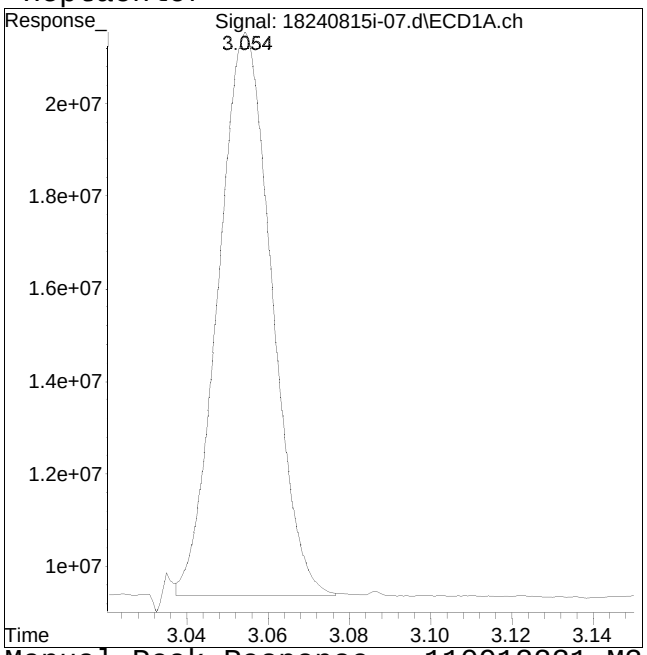
Manual Peak Response = 112966721 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #8: Heptachlor



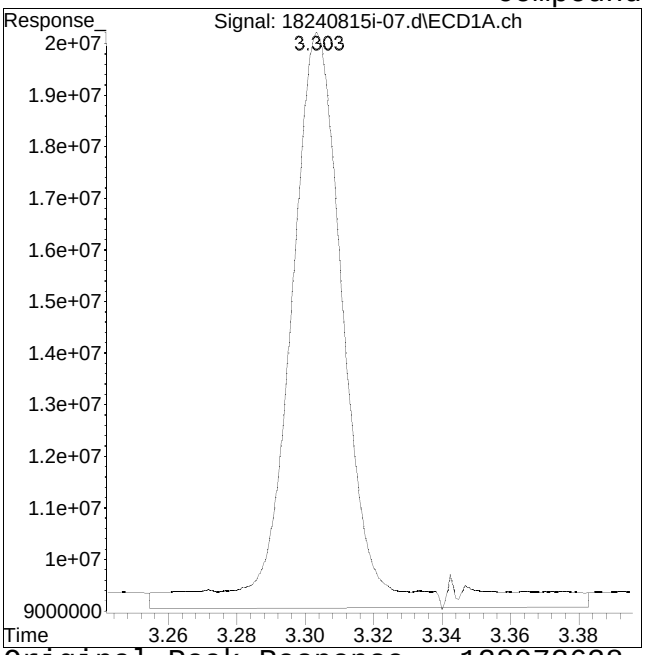


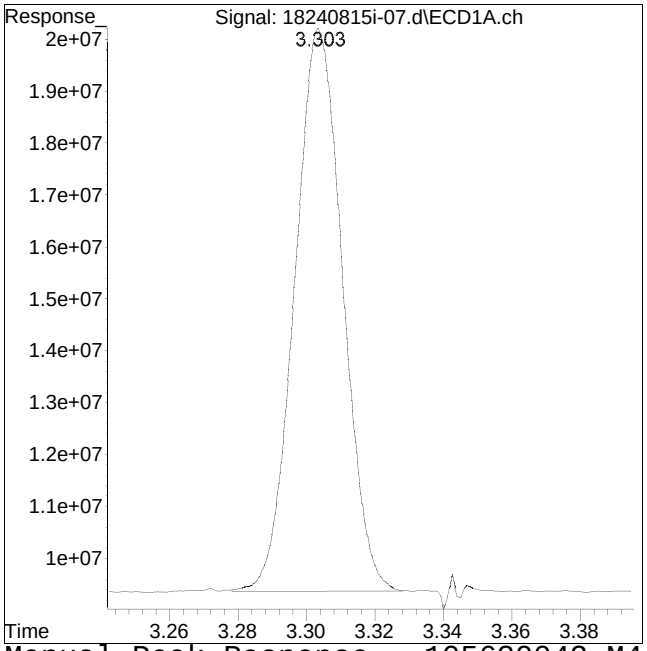
Original Peak Response = 134416504 Manual Peak Response = 110912231 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #9: Aldrin



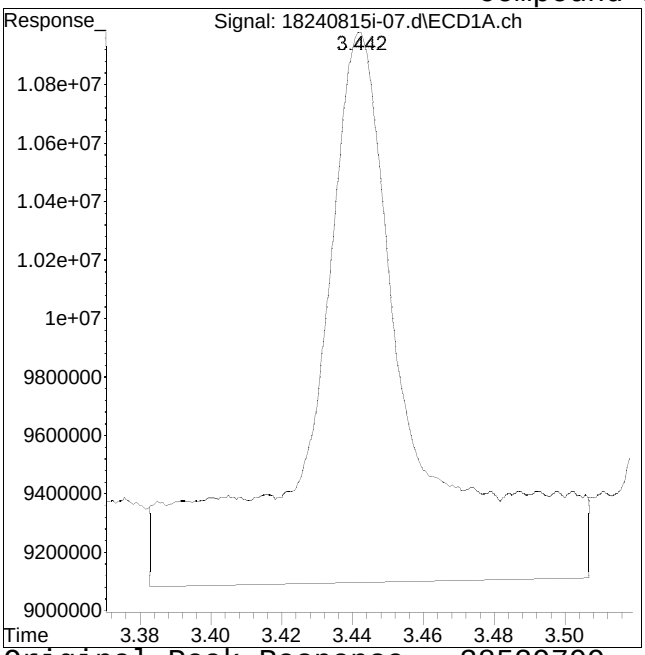


Original Peak Response = 128972638 Manual Peak Response = 105630042 M4
M4 = Poor automated baseline construction.

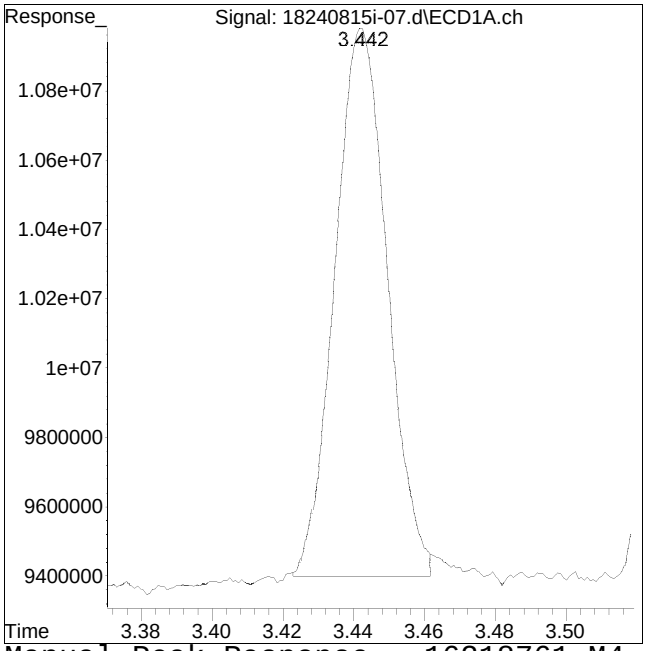
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #10: Alachlor



Original Peak Response = 38529799

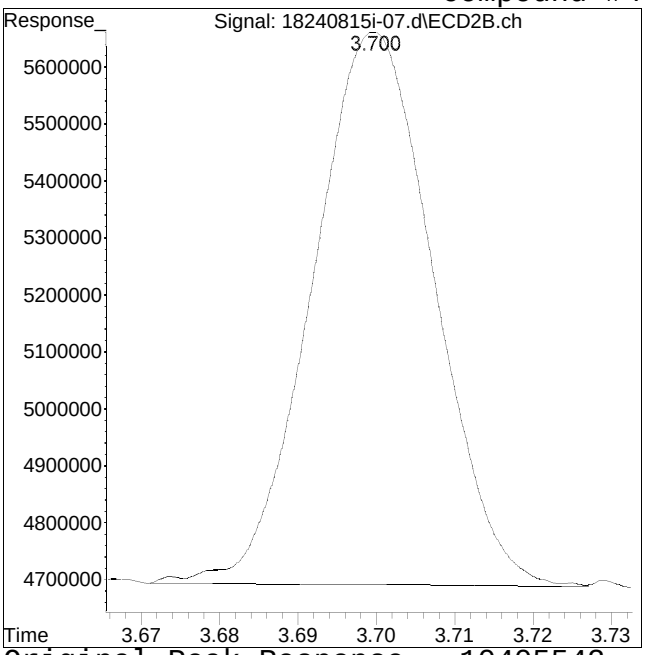


Manual Peak Response = 16218761 M4
M4 = Poor automated baseline construction.

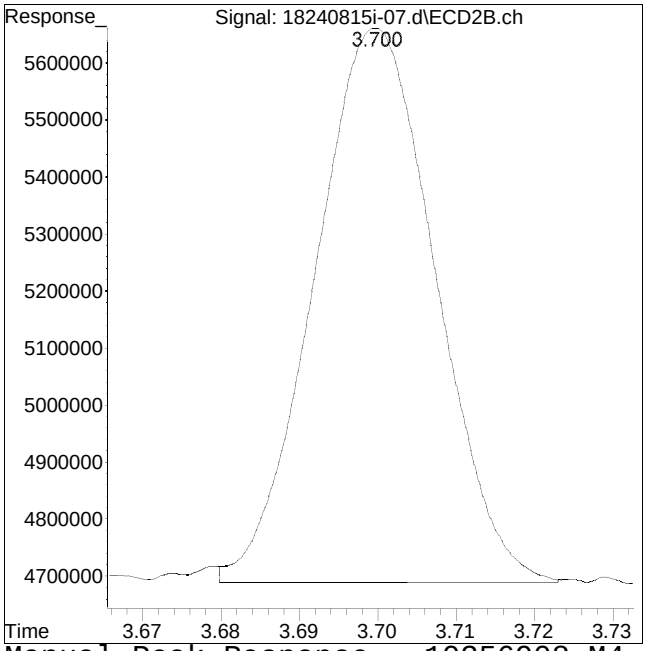
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #48: Alachlor #2



Original Peak Response = 10405542



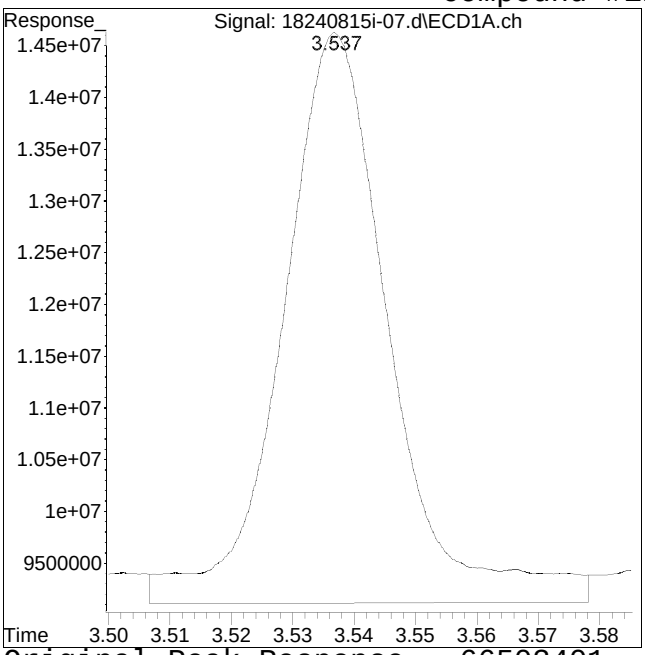
Manual Peak Response = 10356908 M4

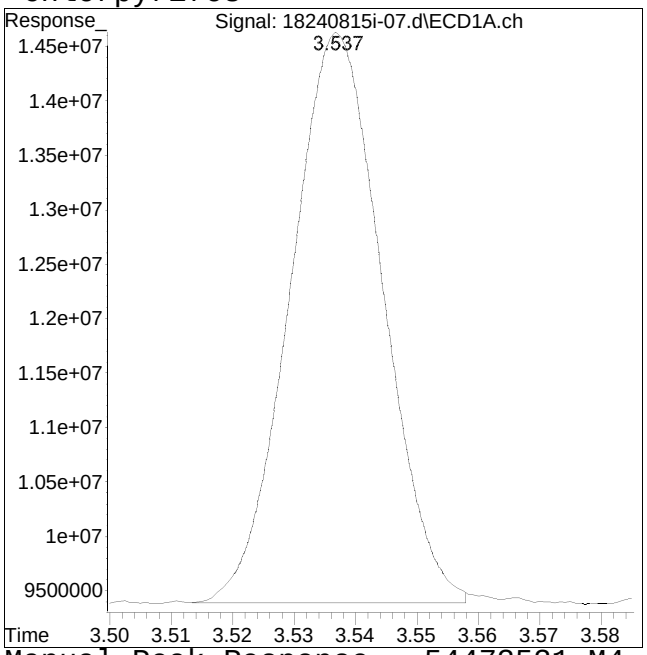
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #11: Chlorpyrifos



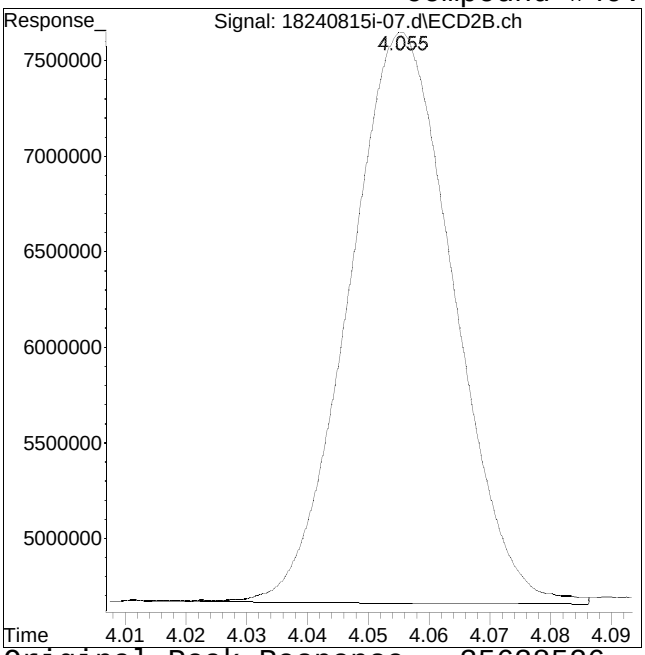


Original Peak Response = 66503401 Manual Peak Response = 54473531 M4
M4 = Poor automated baseline construction.

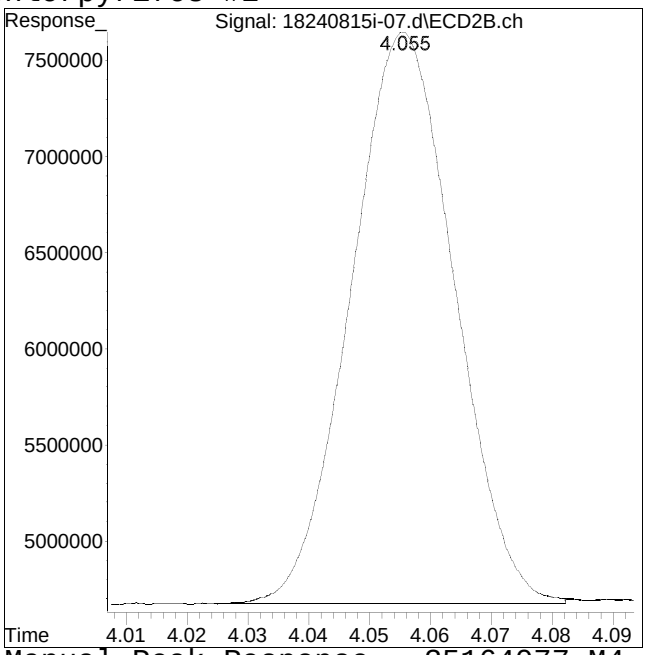
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 35638526



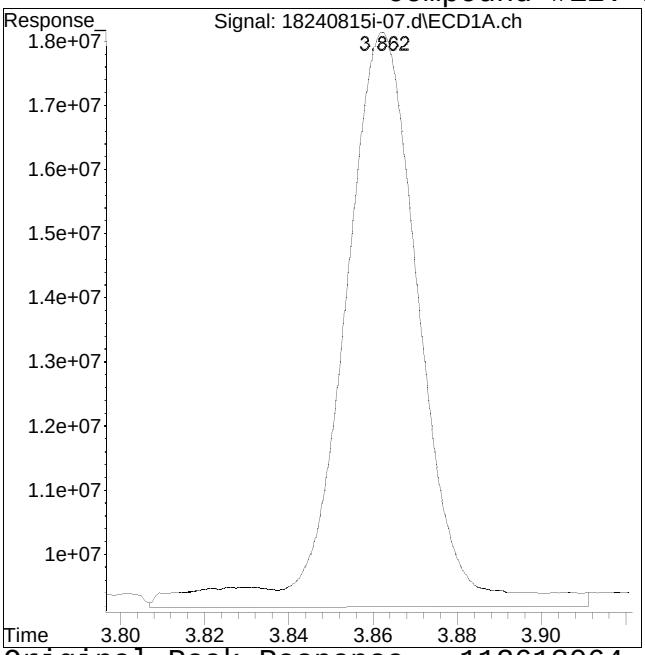
Manual Peak Response = 35164077 M4

M4 = Poor automated baseline construction.

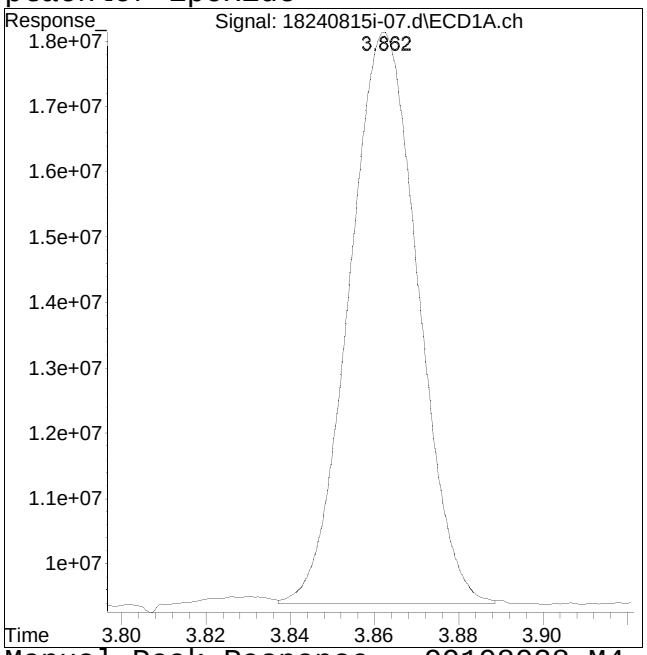
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 112613064



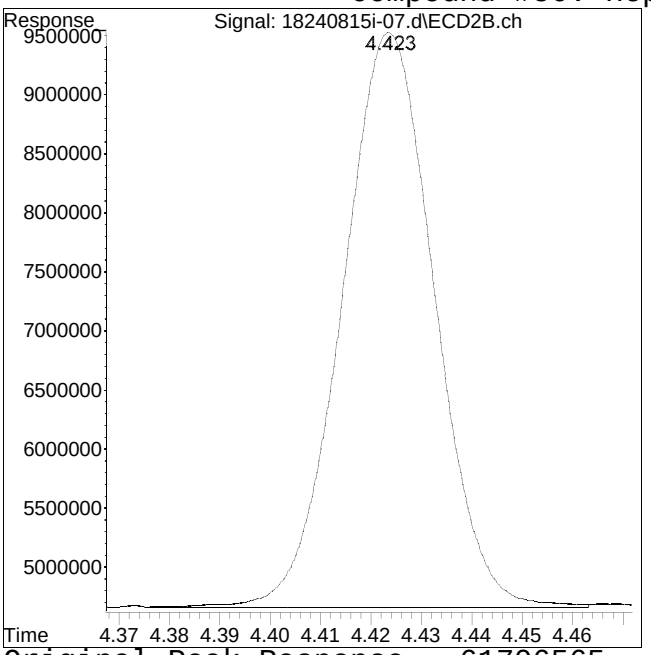
Manual Peak Response = 99198028 M4

M4 = Poor automated baseline construction.

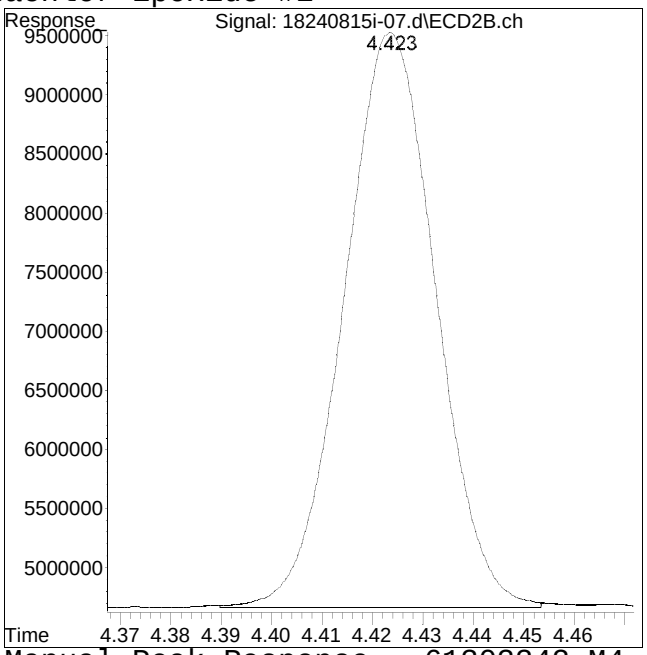
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 61706565



Manual Peak Response = 61303342 M4

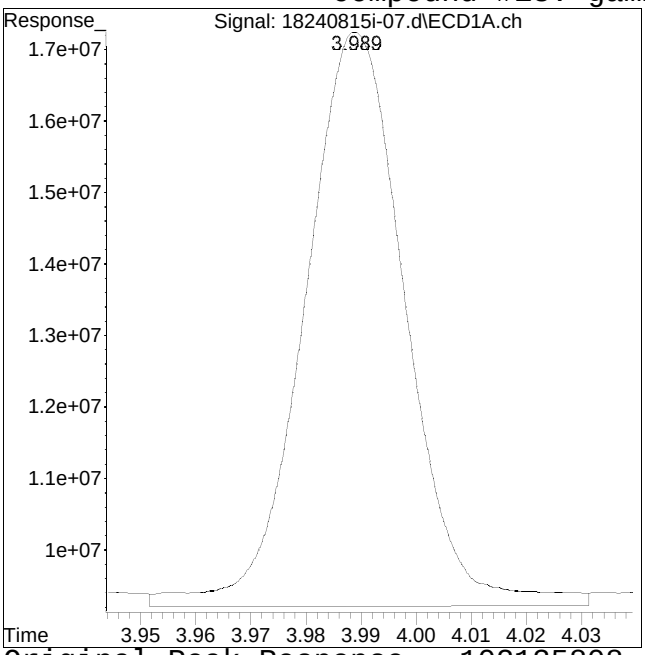
M4 = Poor automated baseline construction.

Manual Integration Report

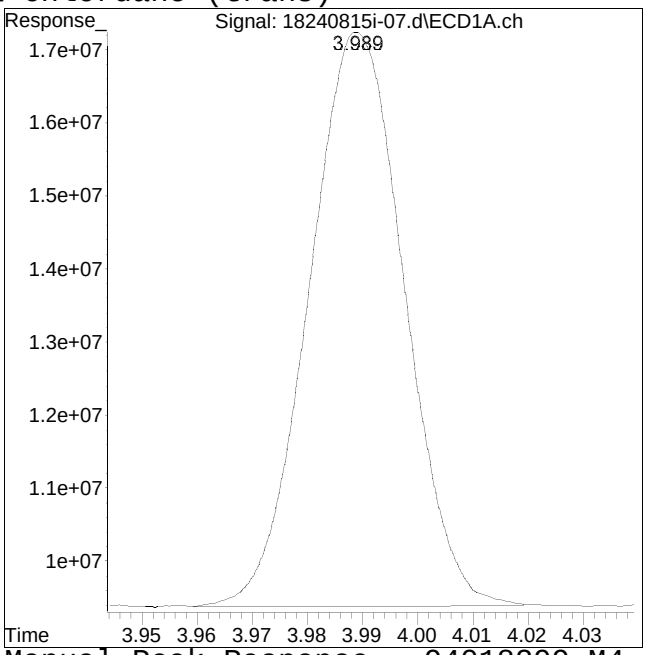
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-07.d
Date Inj'd : 8/15/2024 14:51
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:48 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 102135808



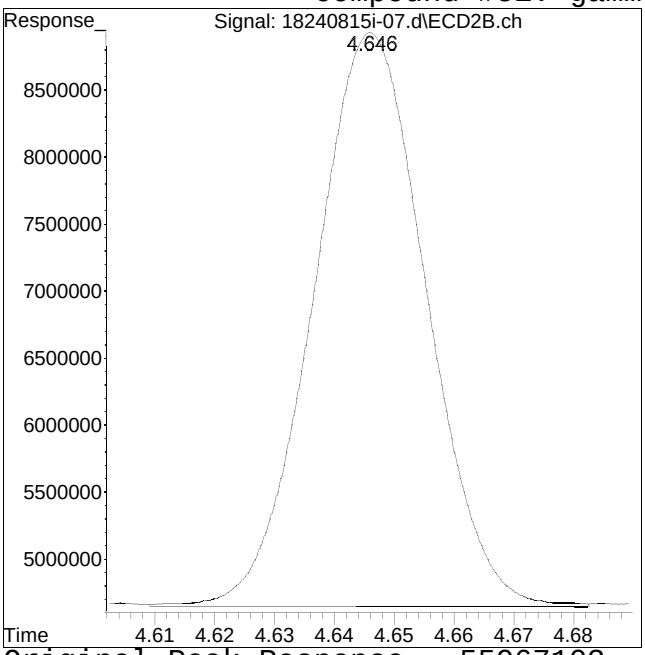
Manual Peak Response = 94018299 M4

M4 = Poor automated baseline construction.

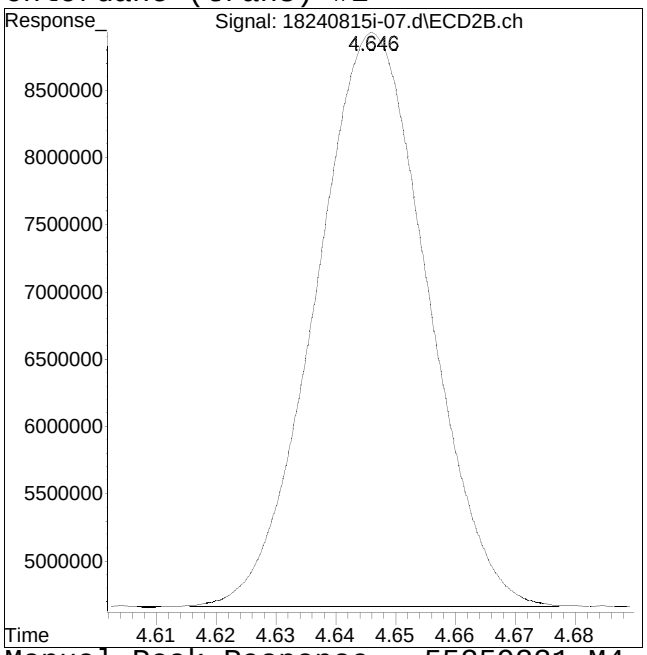
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 55967103



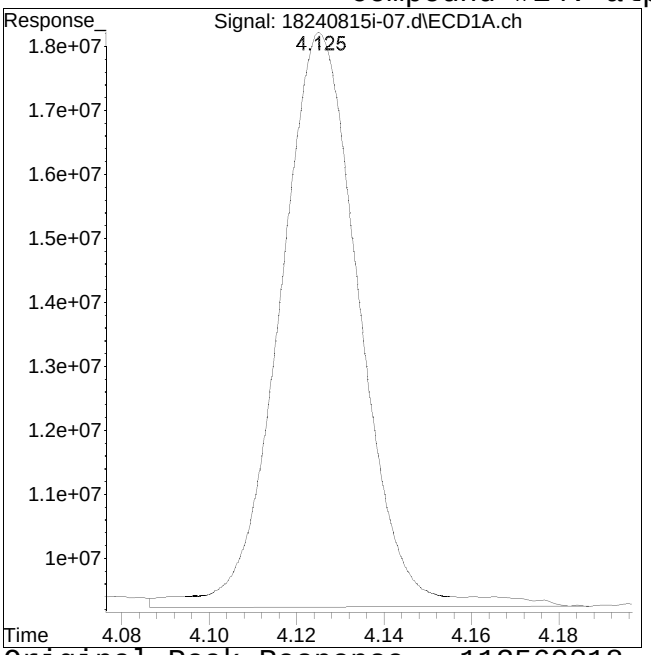
Manual Peak Response = 55259331 M4

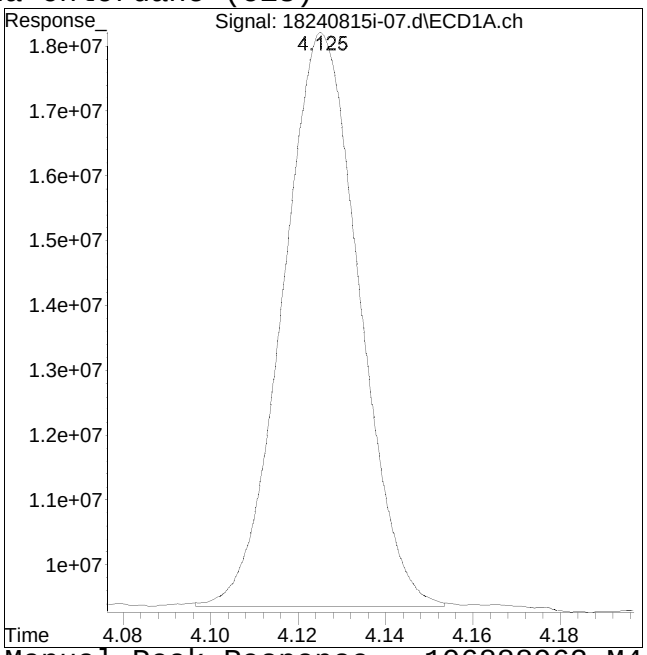
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #14: alpha-Chlordane (cis)



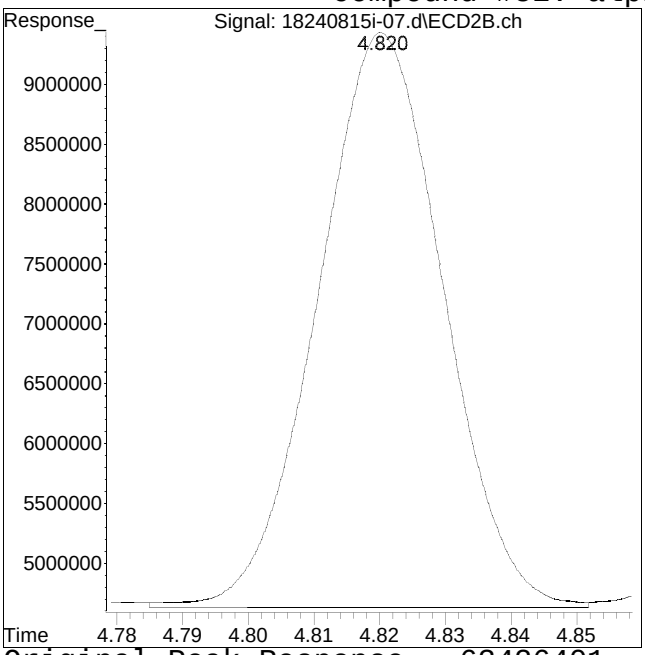


Original Peak Response = 113569218 Manual Peak Response = 106888962 M4
M4 = Poor automated baseline construction.

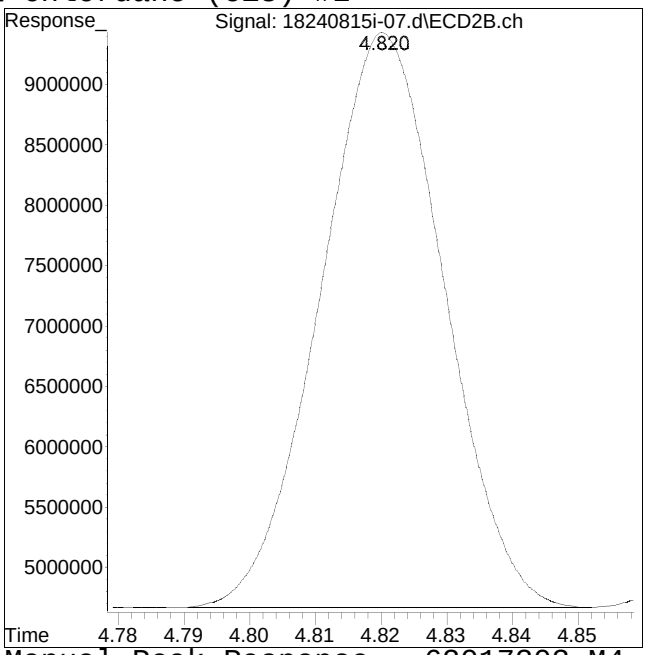
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 63426401



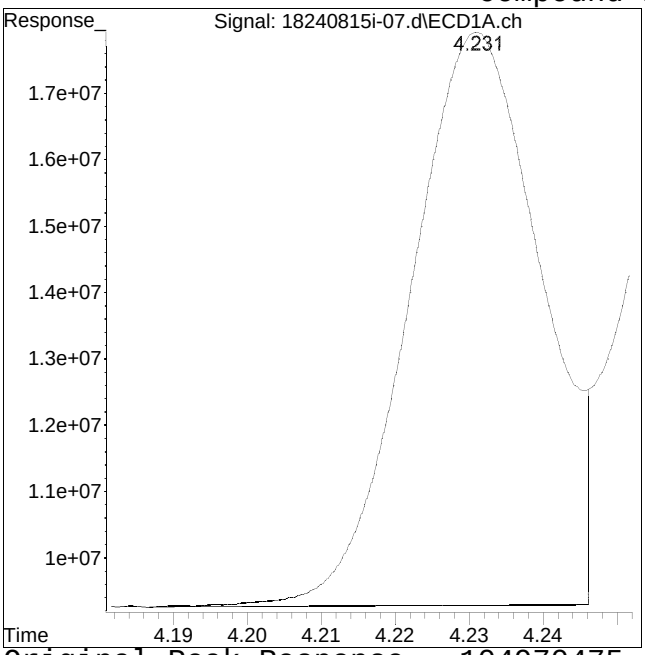
Manual Peak Response = 62017303 M4

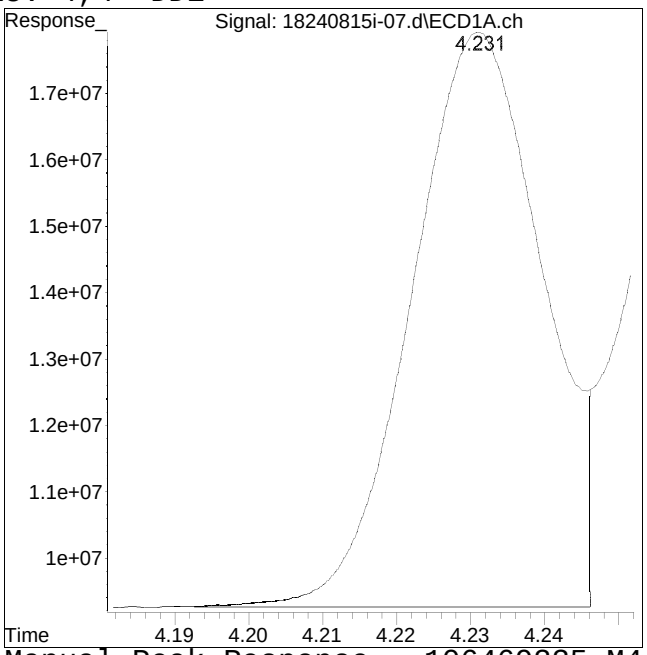
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #15: 4,4'-DDE



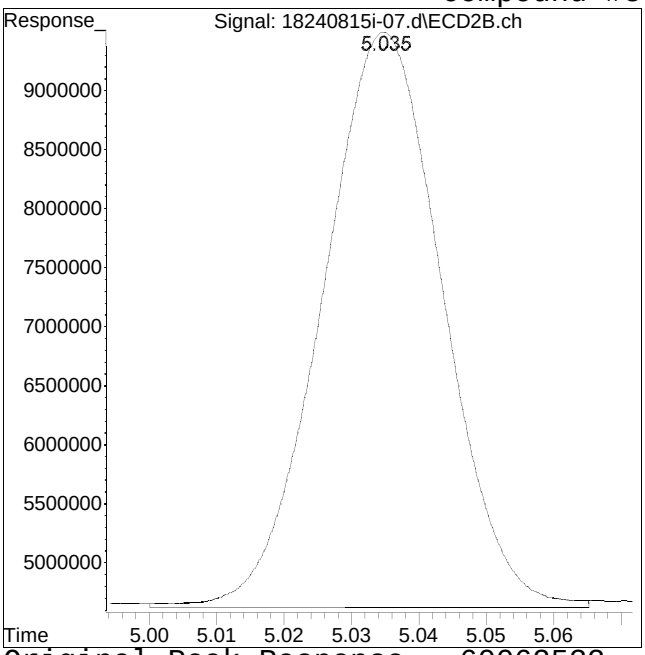


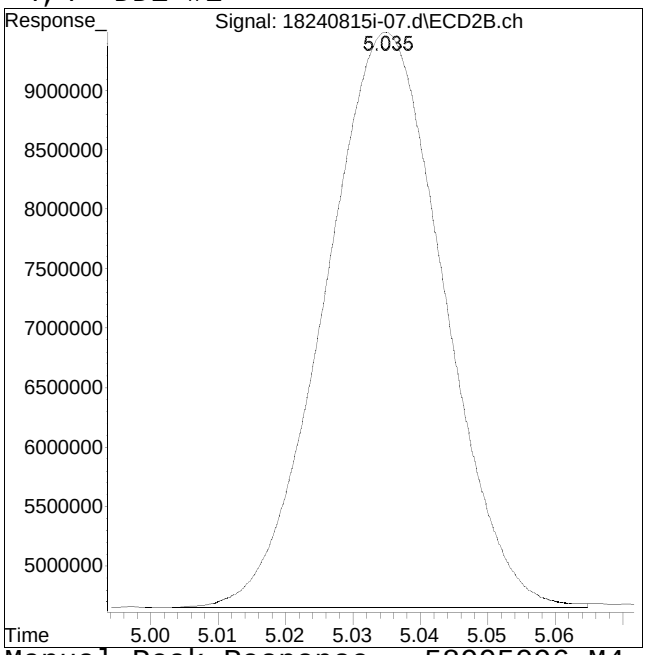
Original Peak Response = 104970475 Manual Peak Response = 106469335 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #53: 4,4'-DDE #2



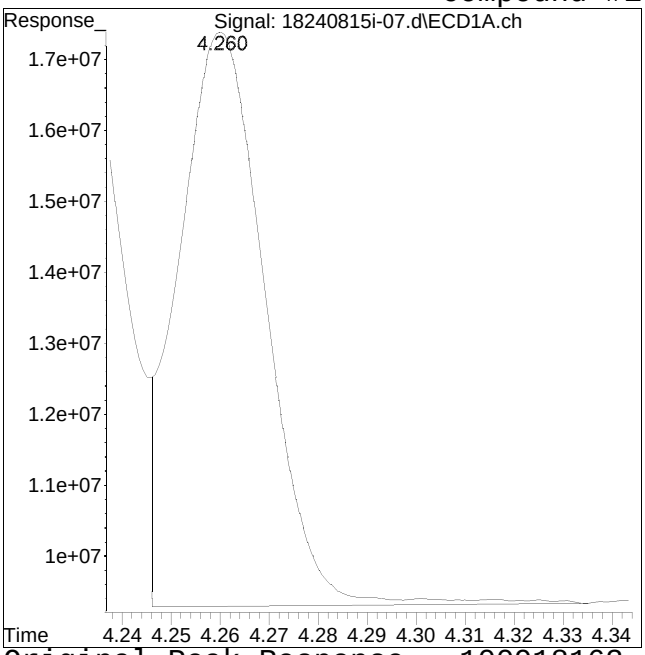


Original Peak Response = 60062532 Manual Peak Response = 58995096 M4
M4 = Poor automated baseline construction.

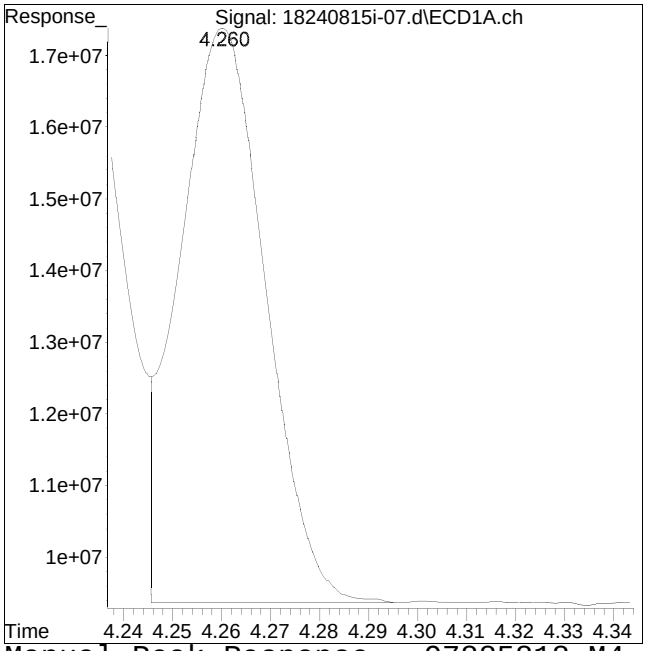
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-07.d
Date Inj'd : 8/15/2024 14:51
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:48 am

Compound #16: Endosulfan I



Original Peak Response = 100918163



Manual Peak Response = 97885818 M4

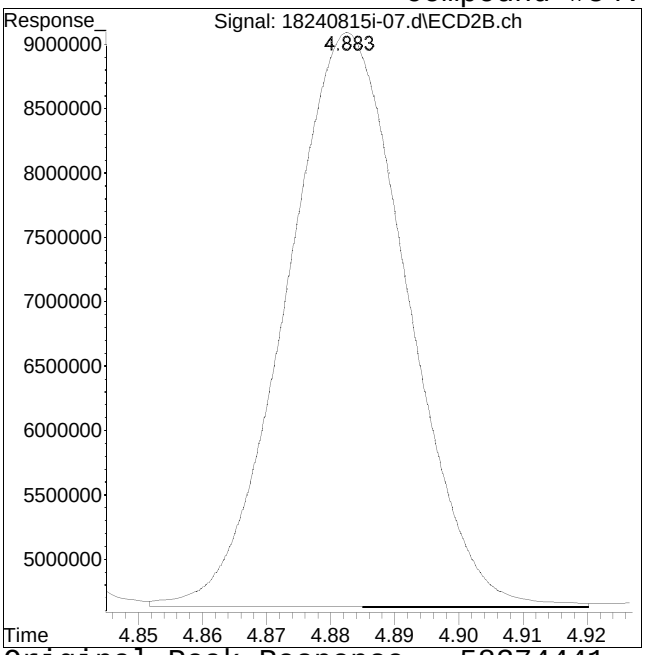
M4 = Poor automated baseline construction.

Manual Integration Report

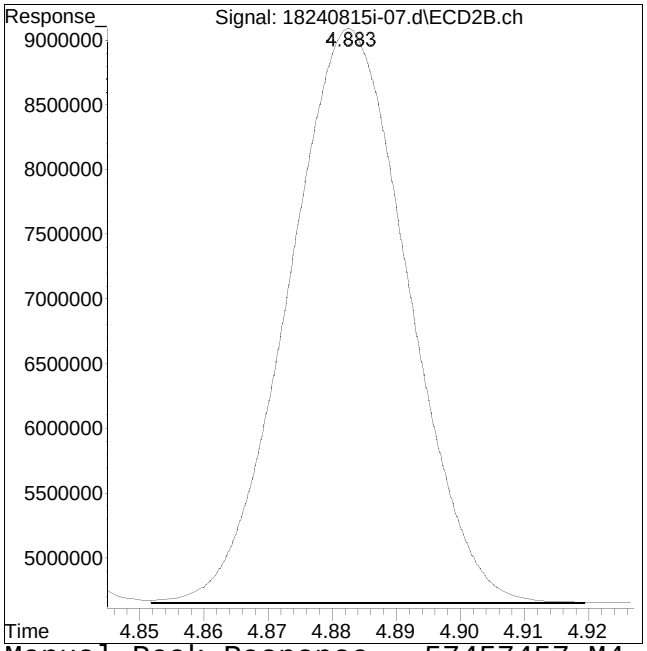
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-07.d
Date Inj'd : 8/15/2024 14:51
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:48 am

Compound #54: Endosulfan I #2



Original Peak Response = 58374441



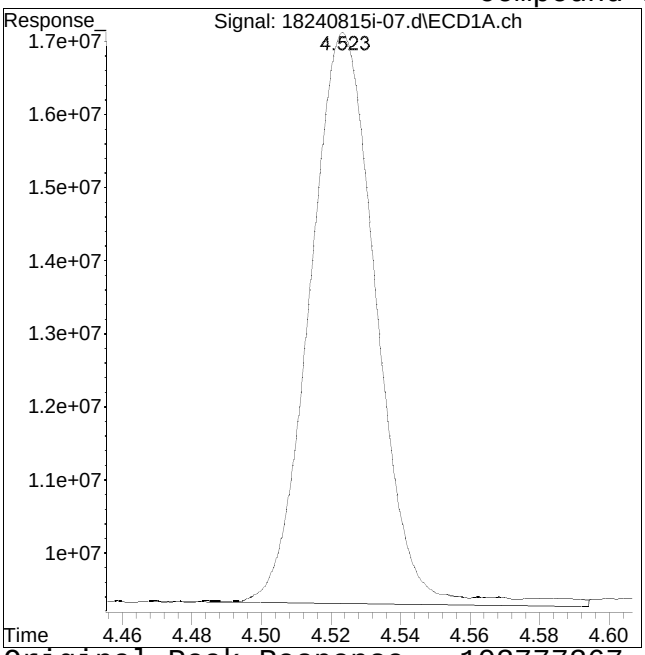
Manual Peak Response = 57457457 M4

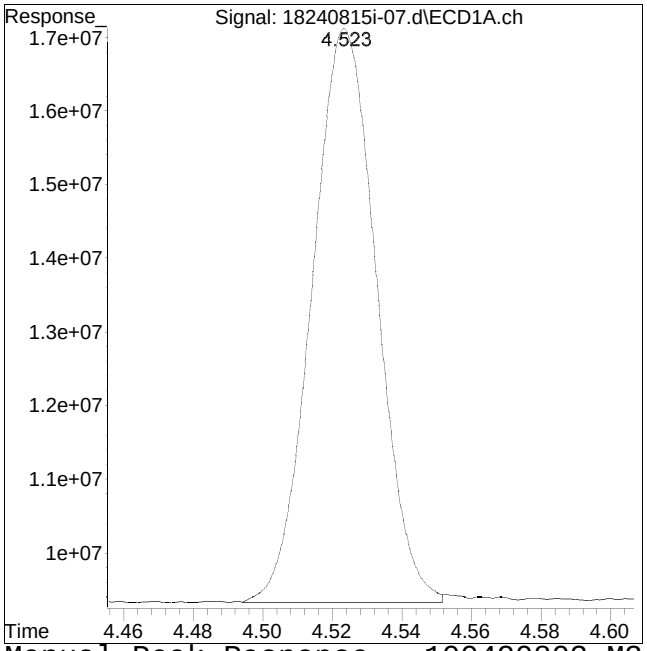
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #17: Dieldrin



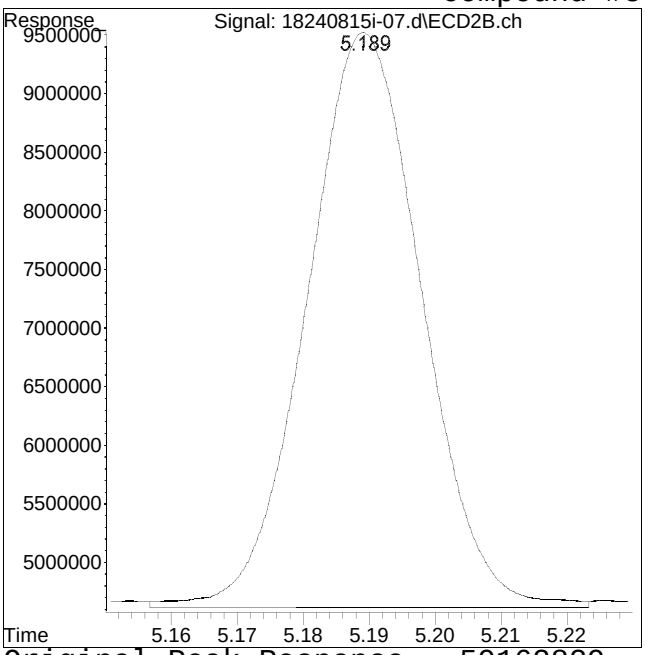


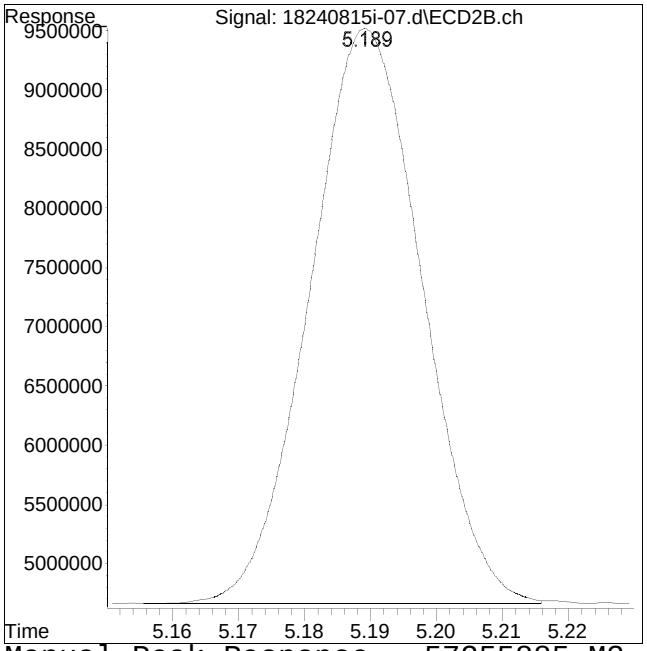
Original Peak Response = 103777367 Manual Peak Response = 100420803 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #55: Dieldrin #2





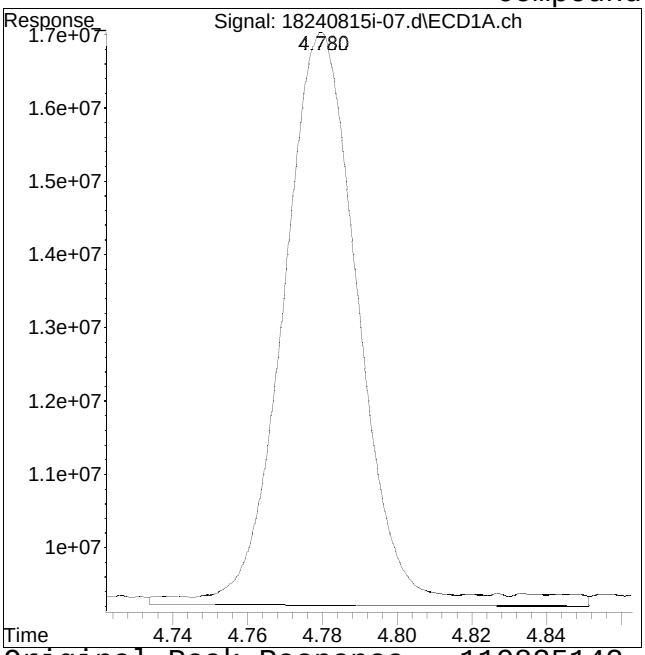
Original Peak Response = 59162829 Manual Peak Response = 57255885 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

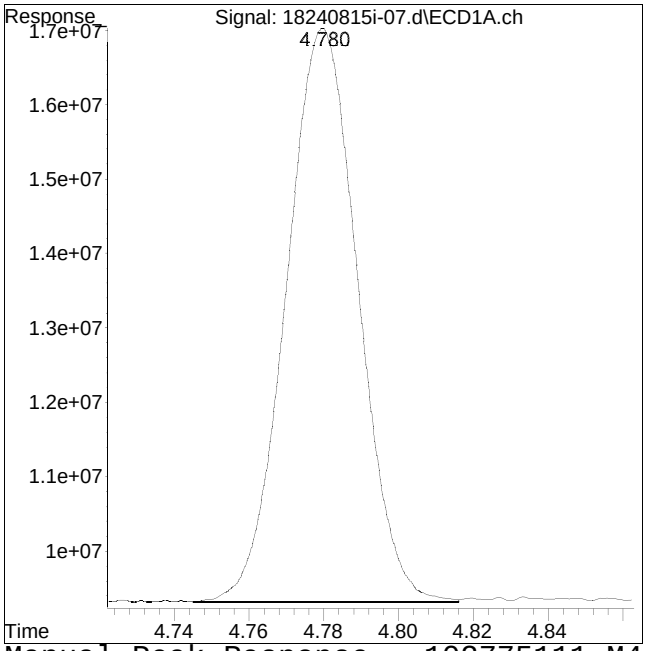
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-07.d
Date Inj'd : 8/15/2024 14:51
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:48 am

Compound #18: Endrin



Original Peak Response = 110825142



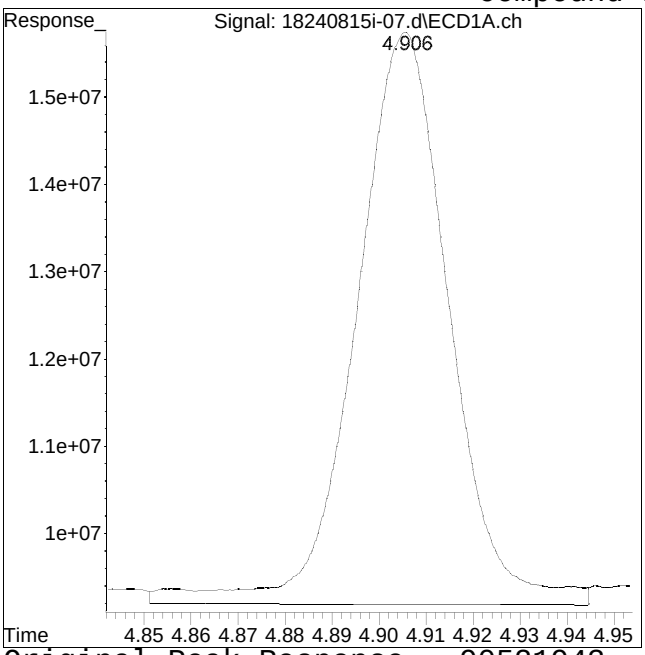
Manual Peak Response = 102775111 M4

M4 = Poor automated baseline construction.

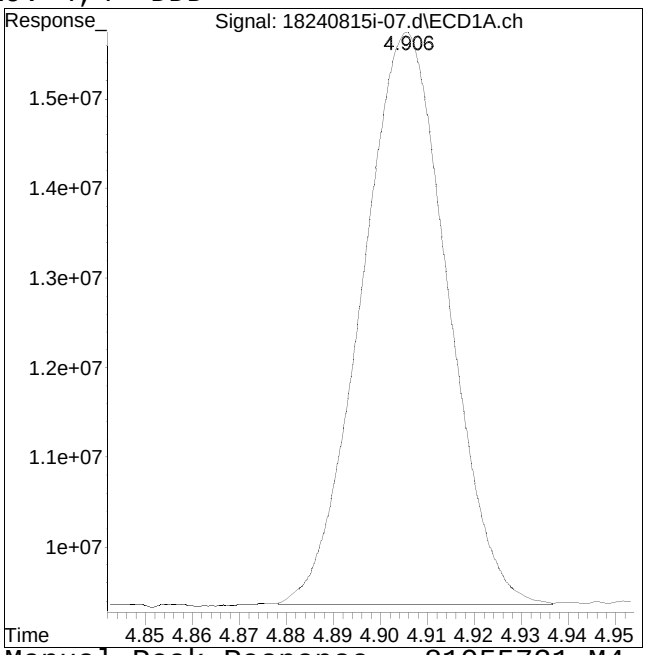
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #19: 4,4'-DDD



Original Peak Response = 90521943



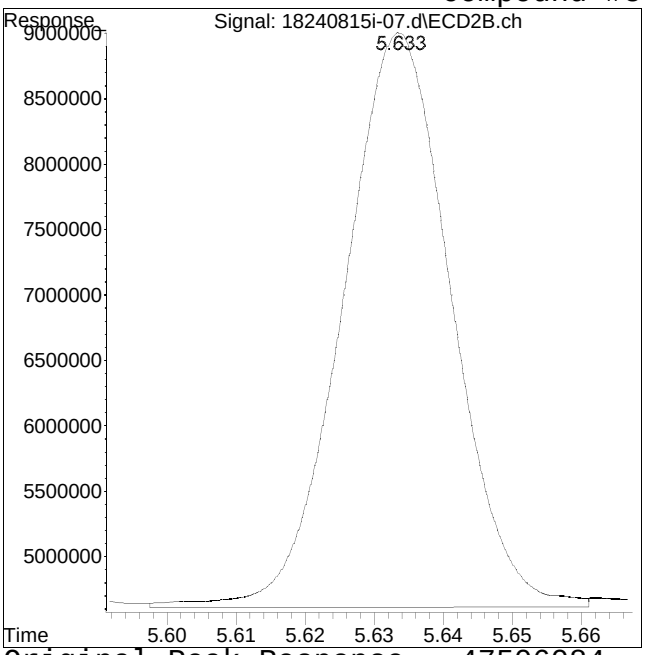
Manual Peak Response = 81055731 M4

M4 = Poor automated baseline construction.

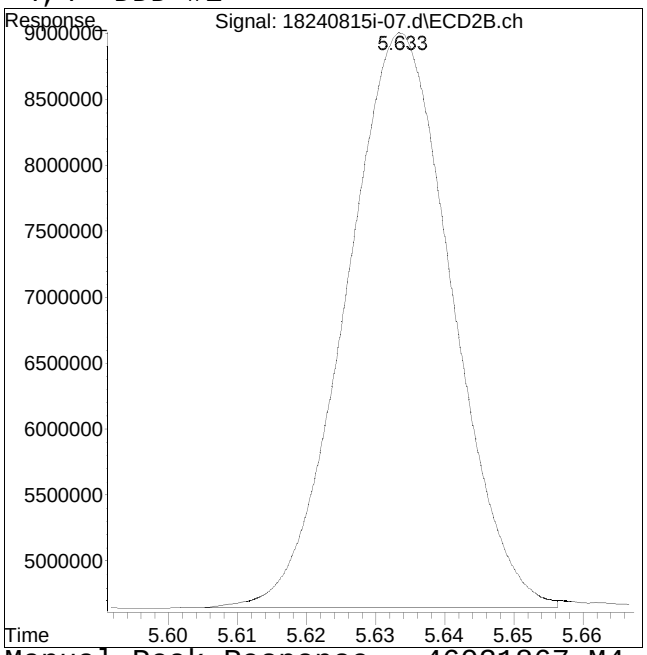
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 47506084



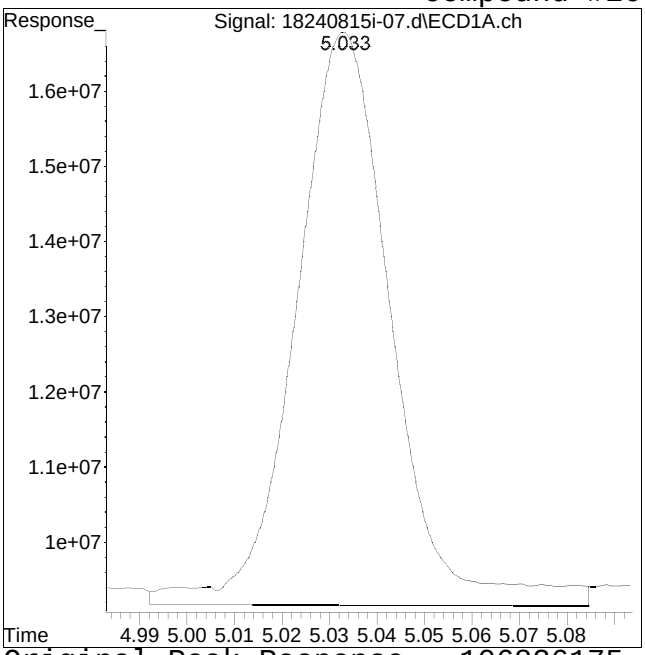
Manual Peak Response = 46031867 M4

M4 = Poor automated baseline construction.

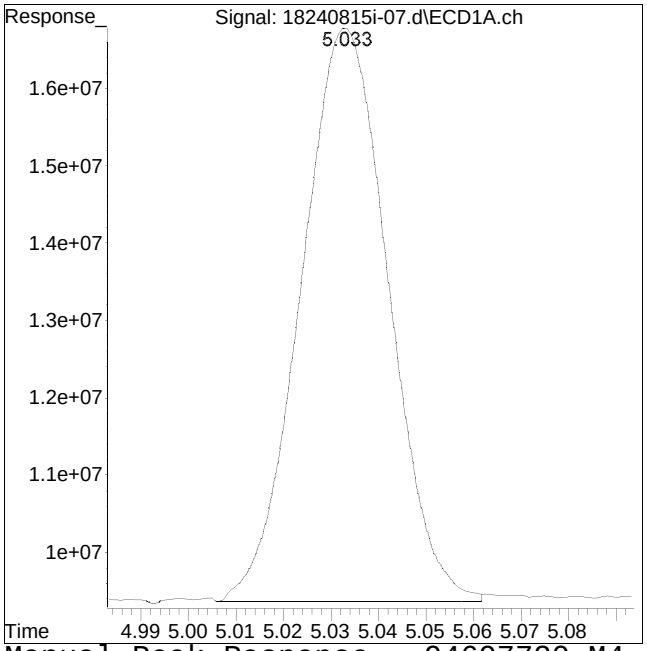
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #20: Endosulfan II



Original Peak Response = 106826175



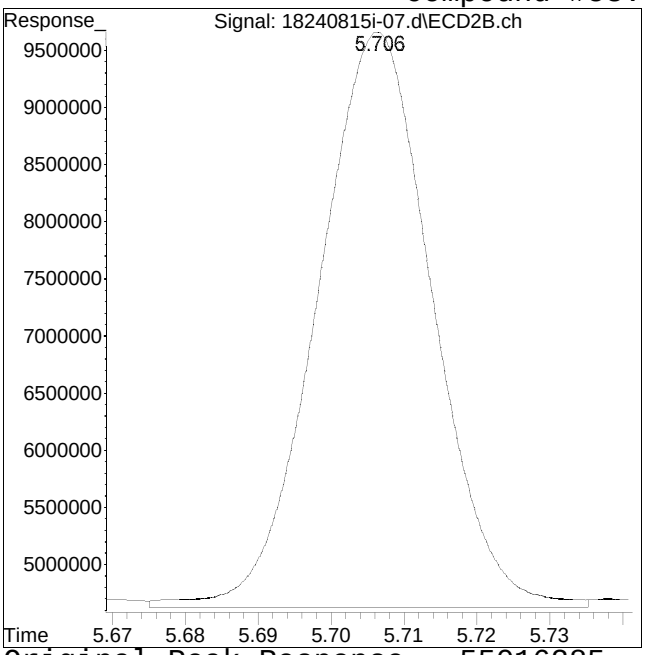
Manual Peak Response = 94697720 M4

M4 = Poor automated baseline construction.

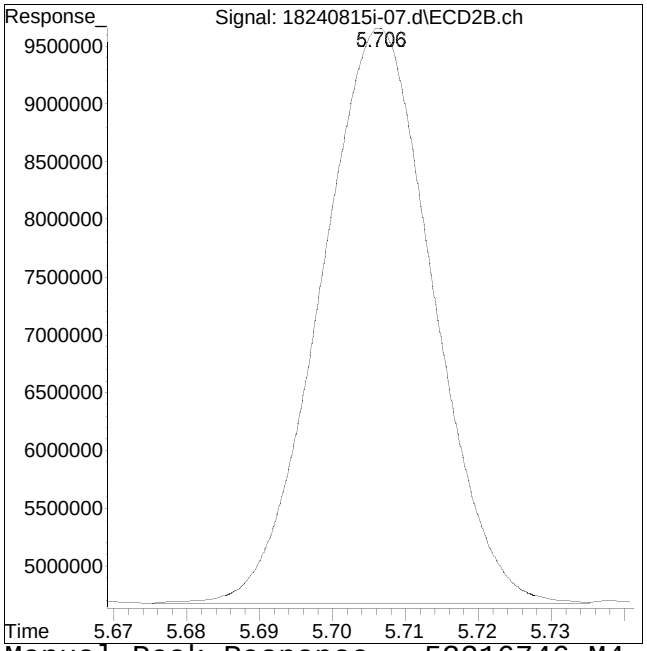
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #58: Endosulfan II #2



Original Peak Response = 55016285



Manual Peak Response = 53216746 M4

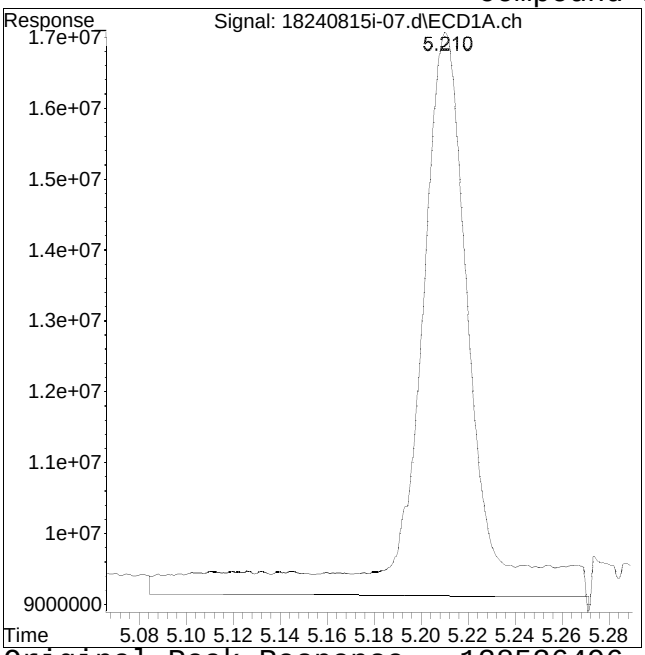
M4 = Poor automated baseline construction.

Manual Integration Report

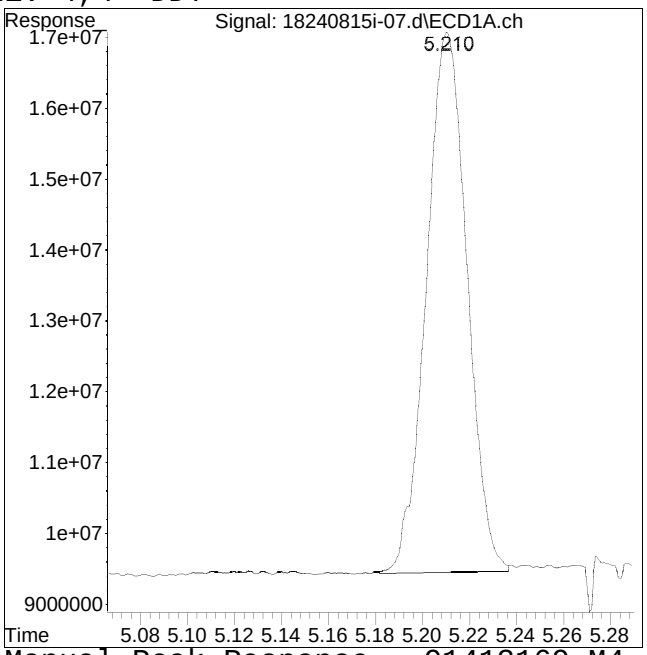
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-07.d
Date Inj'd : 8/15/2024 14:51
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:48 am

Compound #21: 4,4'-DDT



Original Peak Response = 128536496



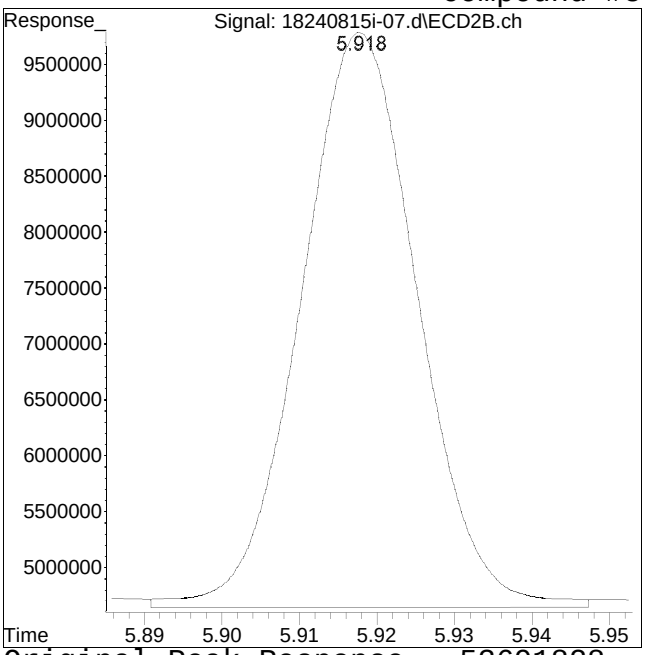
Manual Peak Response = 91413169 M4

M4 = Poor automated baseline construction.

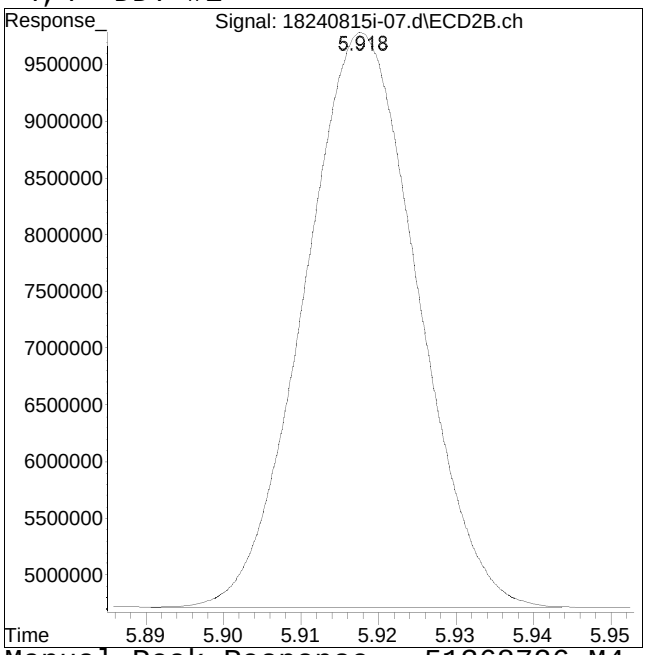
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 53691828



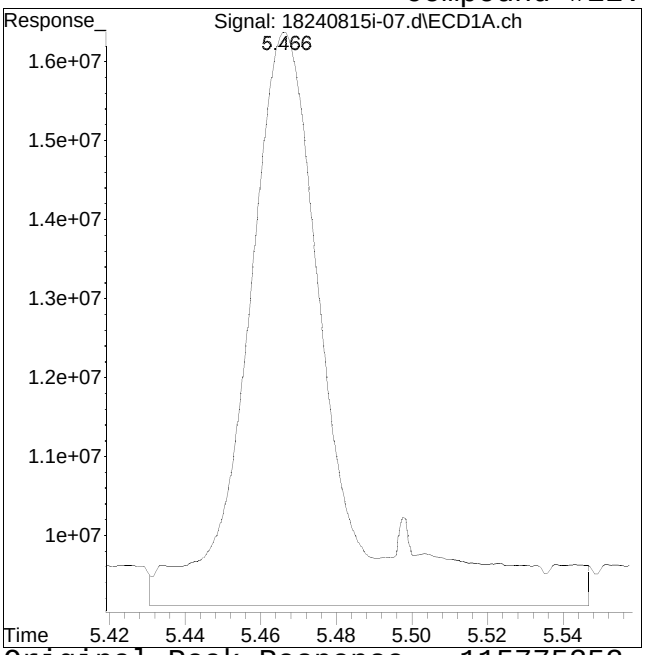
Manual Peak Response = 51368726 M4

M4 = Poor automated baseline construction.

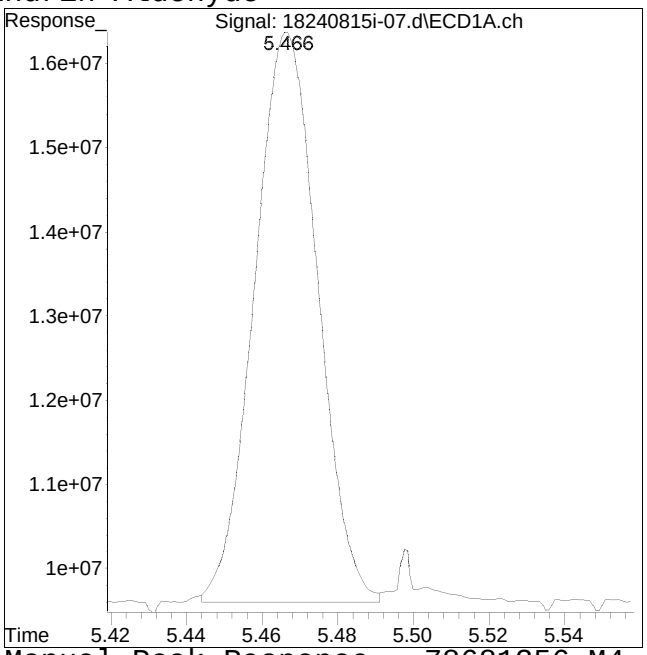
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #22: Endrin Aldehyde



Original Peak Response = 115775352

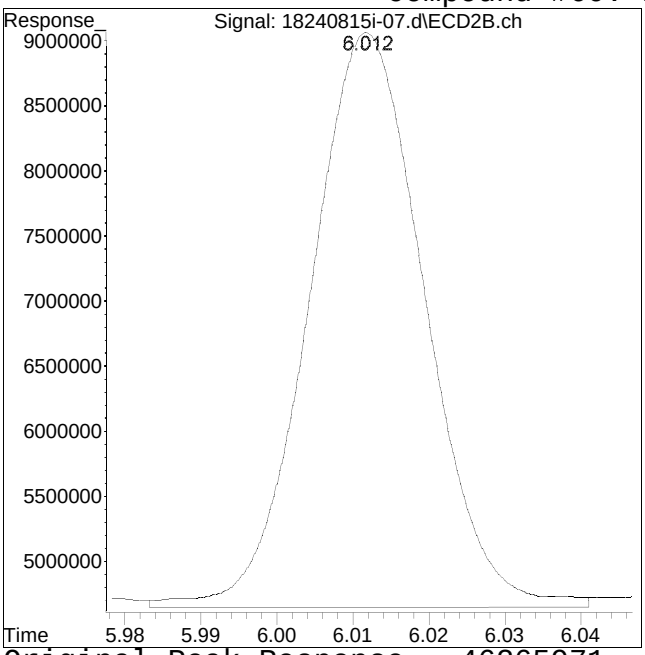


Manual Peak Response = 78681356 M4
M4 = Poor automated baseline construction.

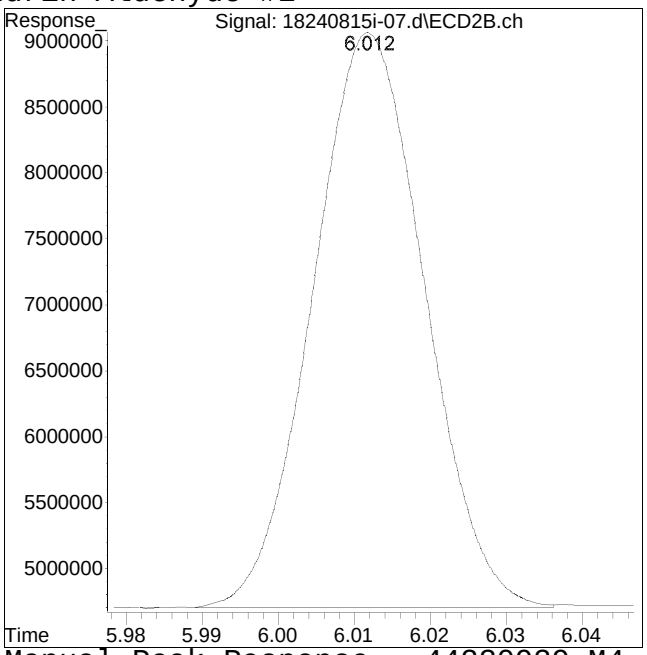
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 46265971



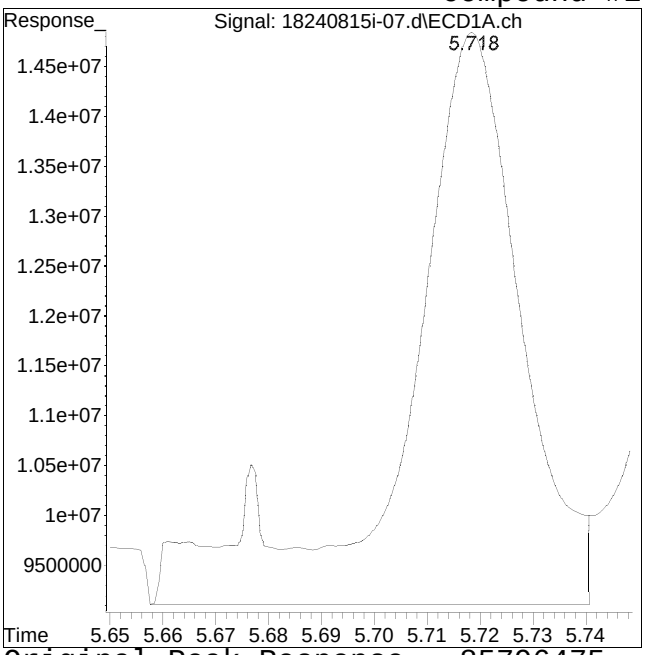
Manual Peak Response = 44230939 M4

M4 = Poor automated baseline construction.

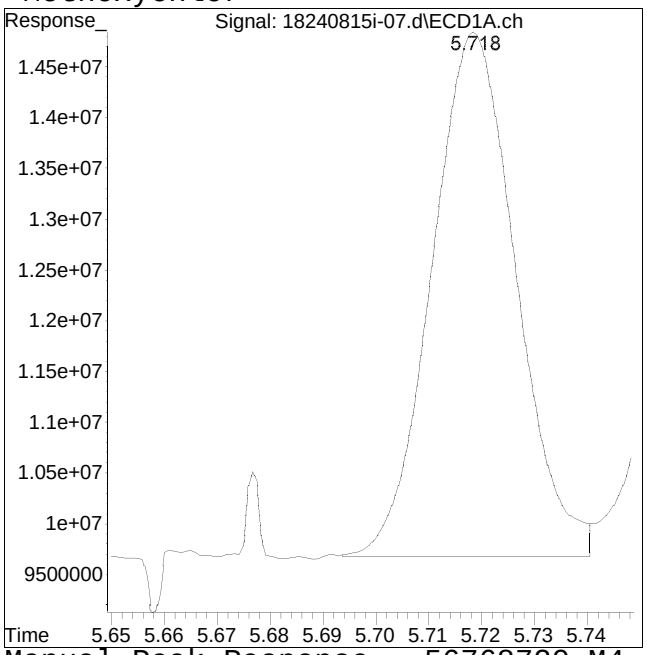
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #23: Methoxychlor



Original Peak Response = 85796475



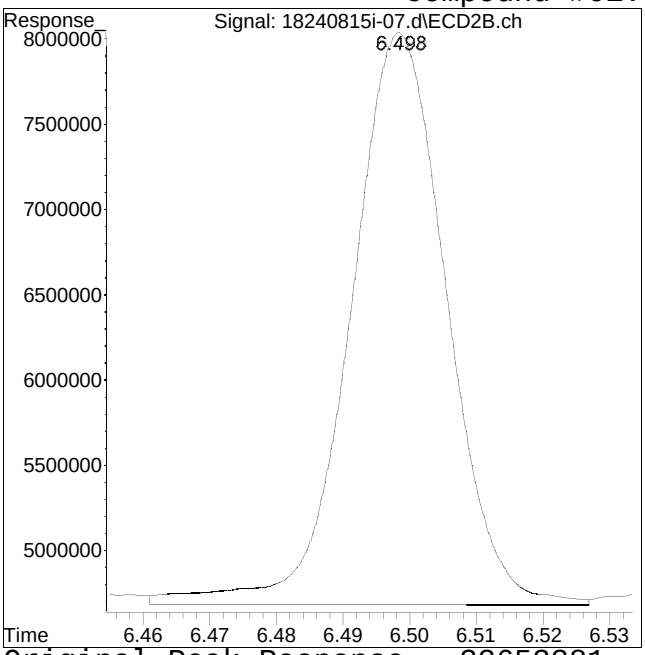
Manual Peak Response = 56768720 M4

M4 = Poor automated baseline construction.

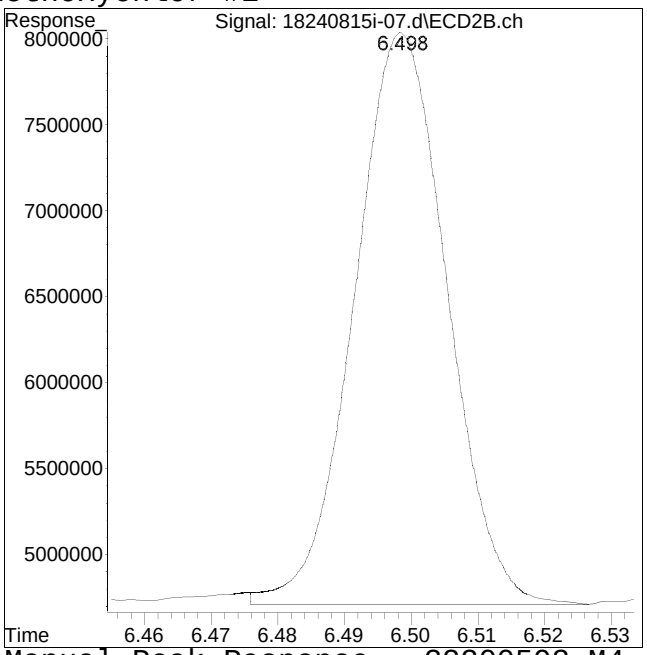
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #61: Methoxychlor #2



Original Peak Response = 33653381



Manual Peak Response = 32200593 M4

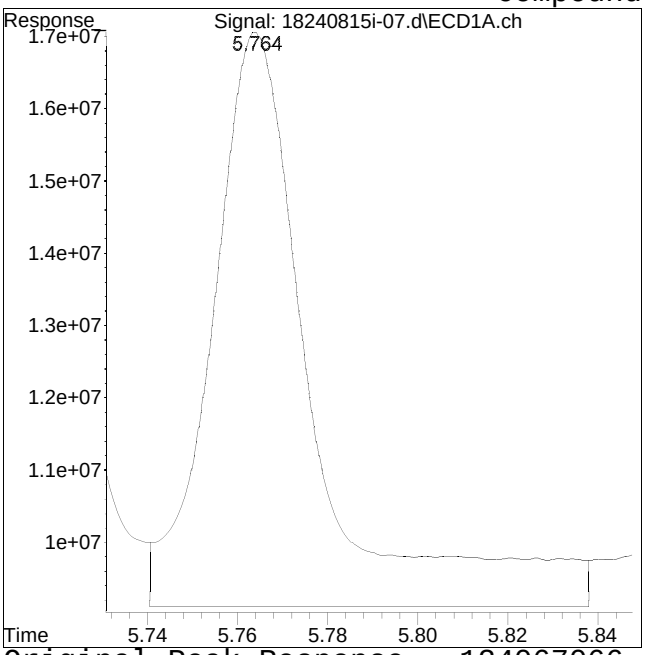
M4 = Poor automated baseline construction.

Manual Integration Report

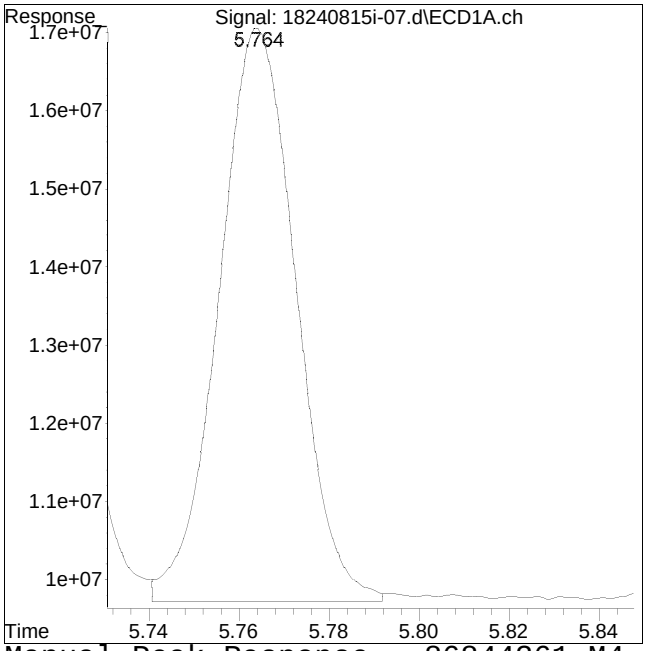
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-07.d
Date Inj'd : 8/15/2024 14:51
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:48 am

Compound #24: Mirex



Original Peak Response = 124067066



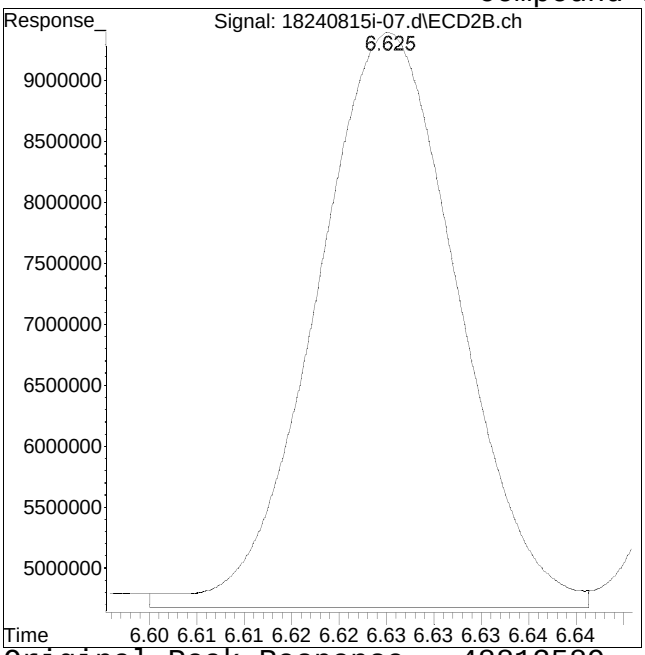
Manual Peak Response = 86844361 M4

M4 = Poor automated baseline construction.

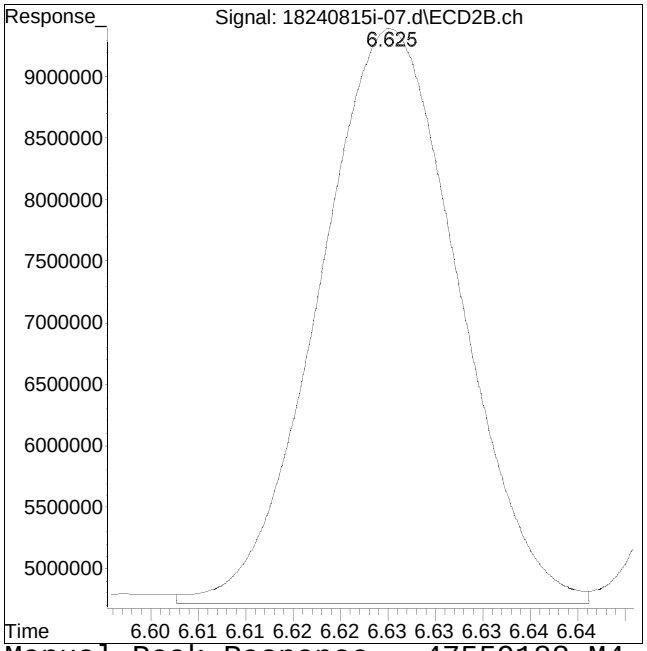
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #62: Mirex #2



Original Peak Response = 48813589



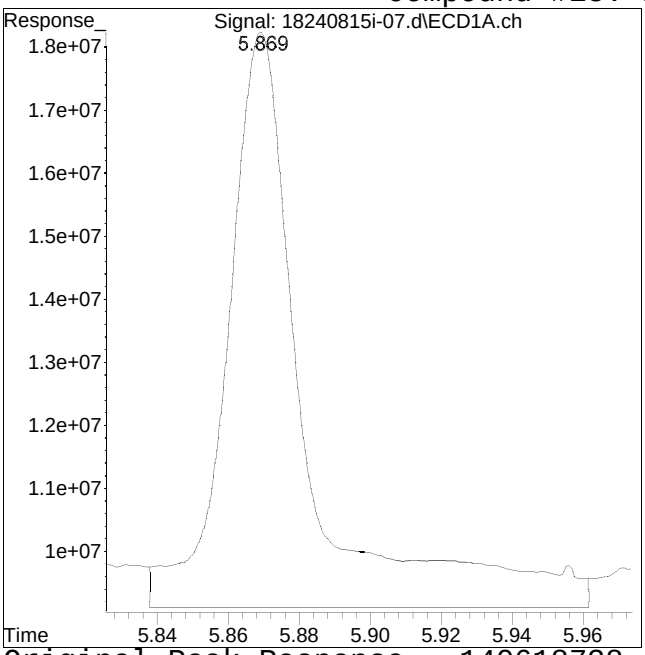
Manual Peak Response = 47559188 M4

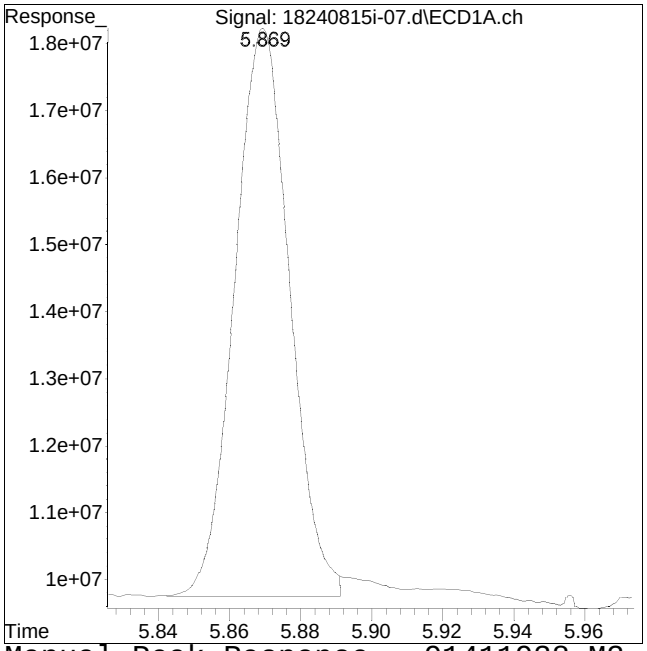
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #25: Endosulfan Sulfate



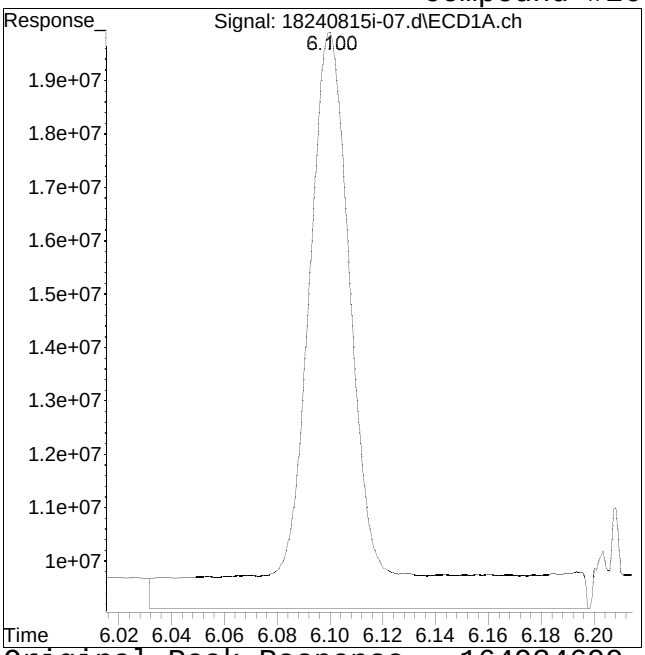


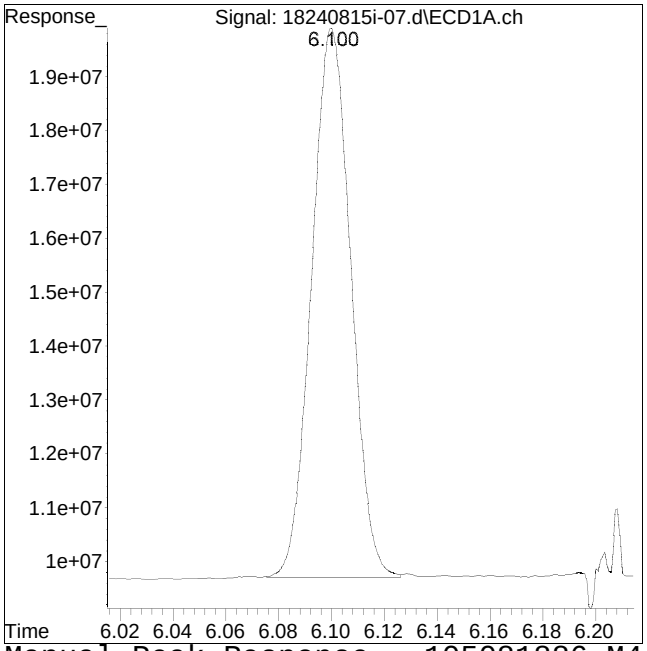
Original Peak Response = 140618738 Manual Peak Response = 91411938 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #26: Endrin Ketone



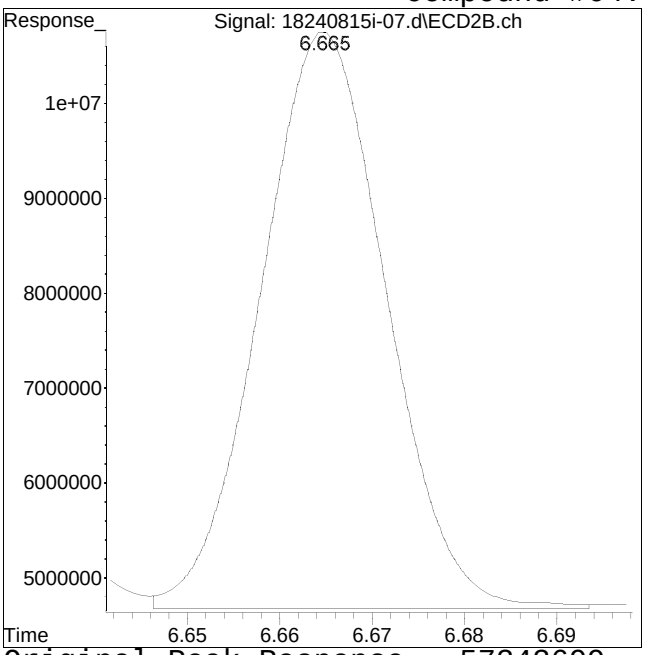


Original Peak Response = 164934699 Manual Peak Response = 105081886 M4
M4 = Poor automated baseline construction.

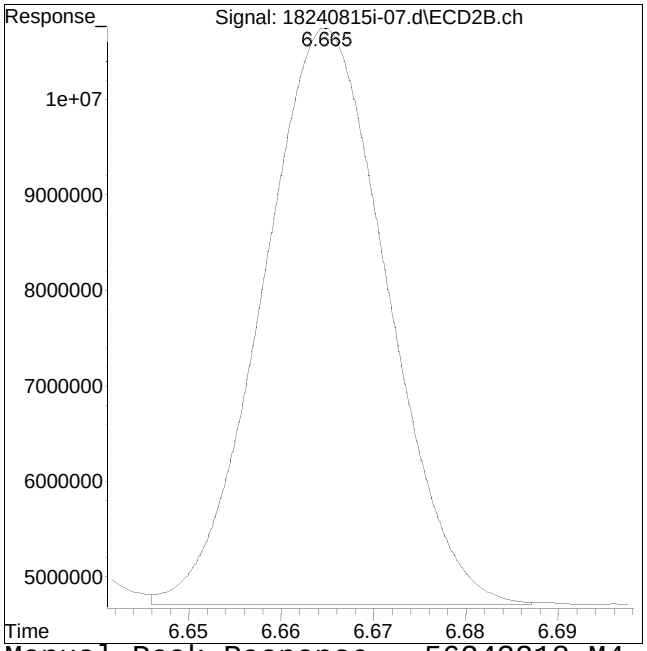
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #64: Endrin Ketone #2



Original Peak Response = 57343699



Manual Peak Response = 56243218 M4

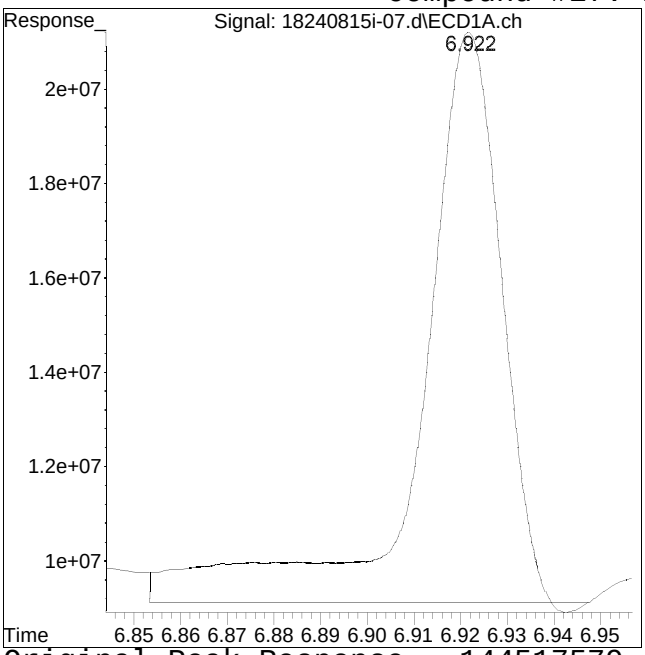
M4 = Poor automated baseline construction.

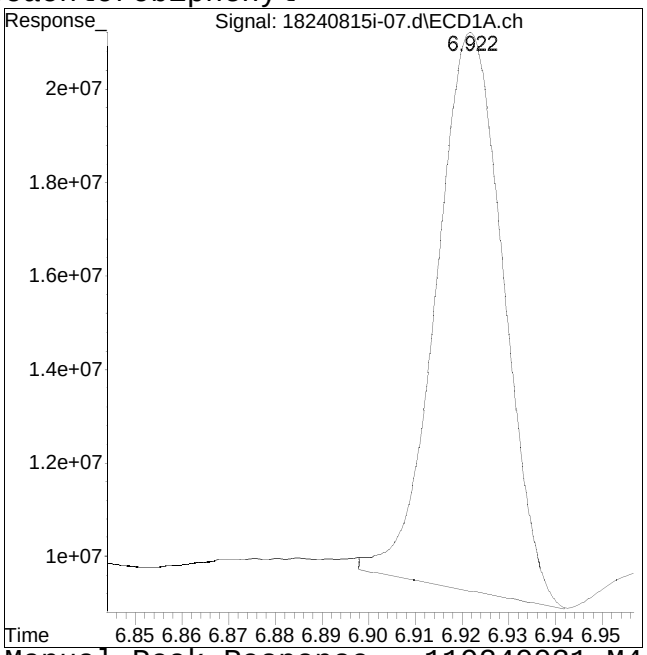
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-07.d
Date Inj'd : 8/15/2024 14:51
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:48 am

Compound #27: Decachlorobiphenyl



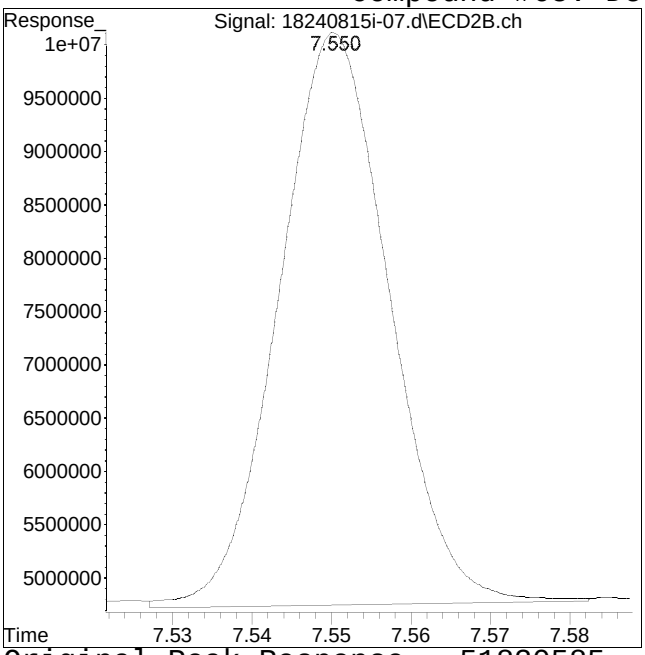


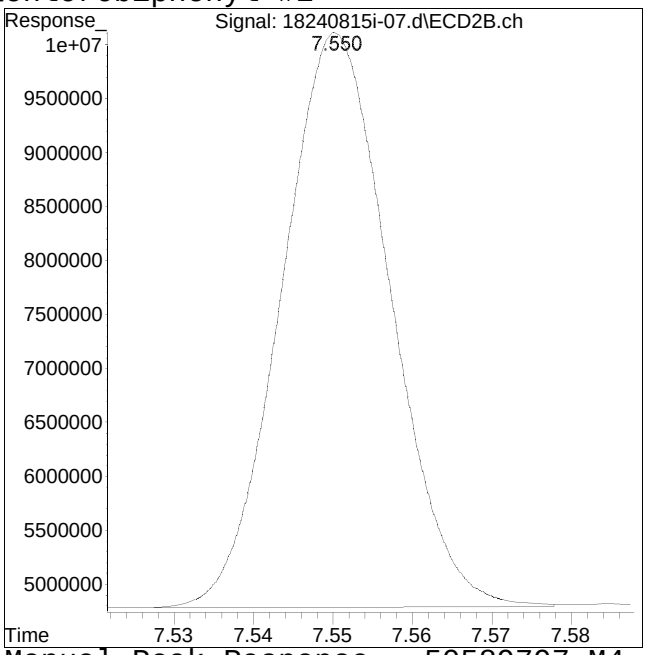
Original Peak Response = 144517579 Manual Peak Response = 119240031 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-07.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 14:51 Instrument : Pest 18
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/16/2024 7:48 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 51830585 Manual Peak Response = 50589797 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:02
Operator : PEST18:peg
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:24:14 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:24:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.683	1.784	549.1E6	330.8E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.117	2.339	280.2E6	154.3E6	11.142M4	10.266M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		22.28%#	20.53%#
27)	s	Decachlorobi	6.922	7.549	273.7E6	120.5E6	10.526M4	10.601M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		21.05%#	21.20%#
		Target Compounds						
3)		Hexachlorobe	2.358	2.683	312.5E6	163.9E6	10.794M4	10.589M4
4)		alpha-BHC	2.469	2.786	330.5E6	201.6E6	9.928M4	9.433M4
5)		gamma-BHC (l	2.688	3.082	301.4E6	184.0E6	10.146M3	9.636M4
6)		beta-BHC	2.752	3.155	141.6E6	89084523	10.910M4	10.628M4
7)		delta-BHC	2.885	3.425	302.9E6	184.0E6	9.997M4	9.478M4
8)		Heptachlor	3.054	3.483	290.8E6	169.1E6	10.784M4	10.027
9)		Aldrin	3.303	3.804	278.5E6	167.7E6	10.252M4	9.680
10)		Alachlor	3.442	3.699	43625236	26774061	12.018M4	11.742
11)		Chlorpyrifos	3.536	4.055	136.7E6	87699702	11.849M4	11.779M3

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:02
Operator : PEST18:peg
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:24:14 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:24:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	3.861	4.423	249.5E6	159.8E6	10.487M3	10.134M4
13)		gamma-Chlord	3.988	4.646	240.3E6	144.7E6	10.216M3	9.809M4
14)		alpha-Chlord	4.125	4.820	271.1E6	161.7E6	10.278M3	9.887M4
15)		4,4'-DDE	4.231	5.034	267.2E6	157.0E6	9.853M4	9.442M4
16)		Endosulfan I	4.260	4.882	246.0E6	150.6E6	10.581M4	10.052M4
17)		Dieldrin	4.523	5.189	257.9E6	152.3E6	10.234M4	9.666M4
18)		Endrin	4.779	5.498	260.1E6	153.4E6	10.368M3	9.916M4
19)		4,4'-DDD	4.904	5.633	207.0E6	120.6E6	9.976M4	9.429M4
20)		Endosulfan I	5.032	5.705	236.4E6	137.8E6	10.580M4	10.101M4
21)		4,4'-DDT	5.210	5.918	229.0E6	134.2E6	9.855M4	9.613M4
22)		Endrin Aldeh	5.466	6.011	194.4E6	112.6E6	10.245M3	9.840M4
23)		Methoxychlor	5.718	6.498	136.8E6	78139271	11.381M4	11.040M4
24)		Mirex	5.764	6.625	207.3E6	115.2E6	10.957M3	10.749M4
25)		Endosulfan S	5.868	6.246	232.4E6	131.0E6	10.314M3	10.015
26)		Endrin Keton	6.099	6.665	266.6E6	142.4E6	10.889M4	10.103M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:02
Operator : PEST18:peg
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:24:14 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:24:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

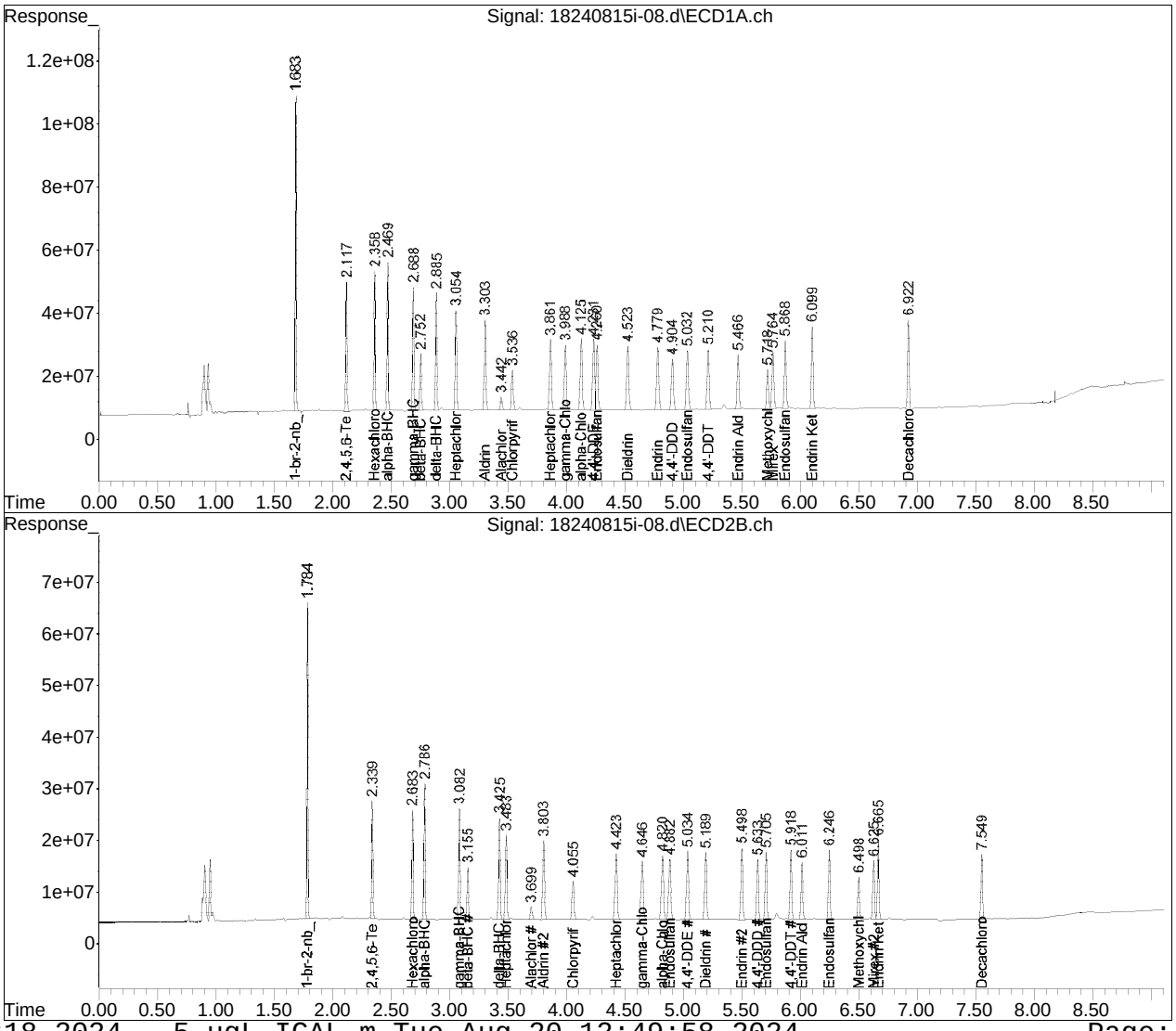
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:02
Operator : PEST18:peg
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 07:24:14 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 07:24:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

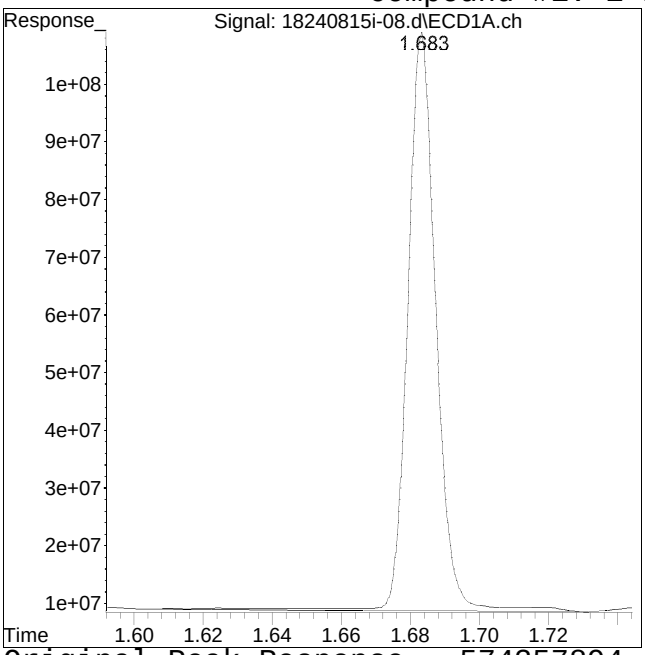


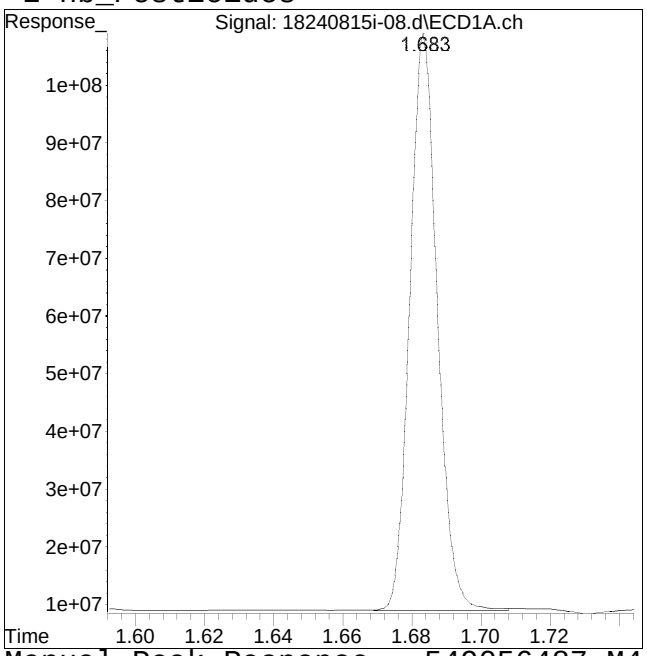
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-08.d
Date Inj'd : 8/15/2024 15:02
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:24 am

Compound #1: 1-br-2-nb_Pesticides



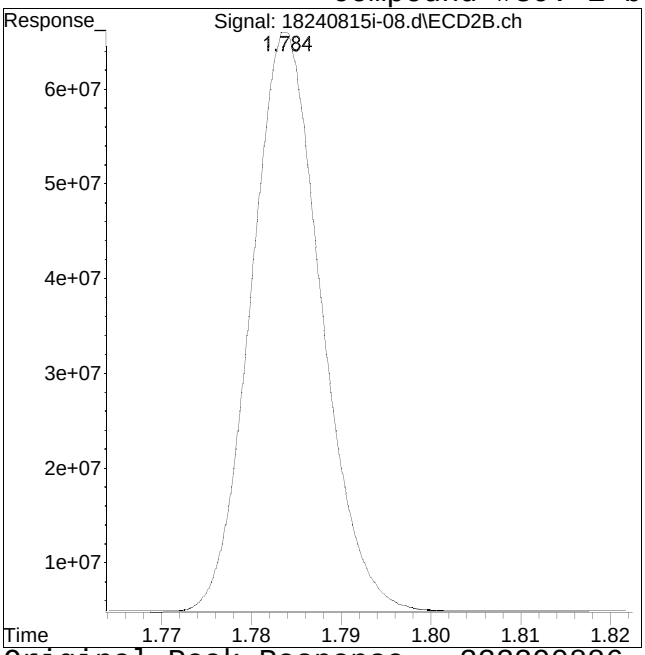


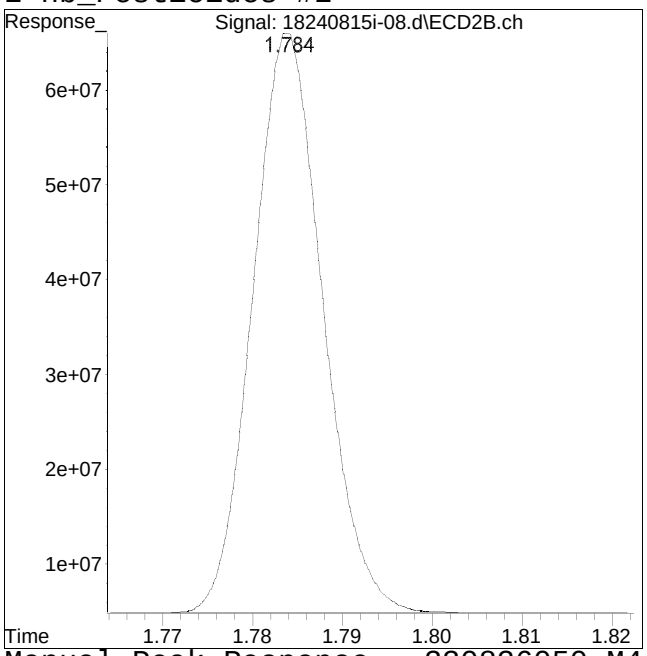
Original Peak Response = 574357894 Manual Peak Response = 549056487 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #39: 1-br-2-nb_Pesticides #2



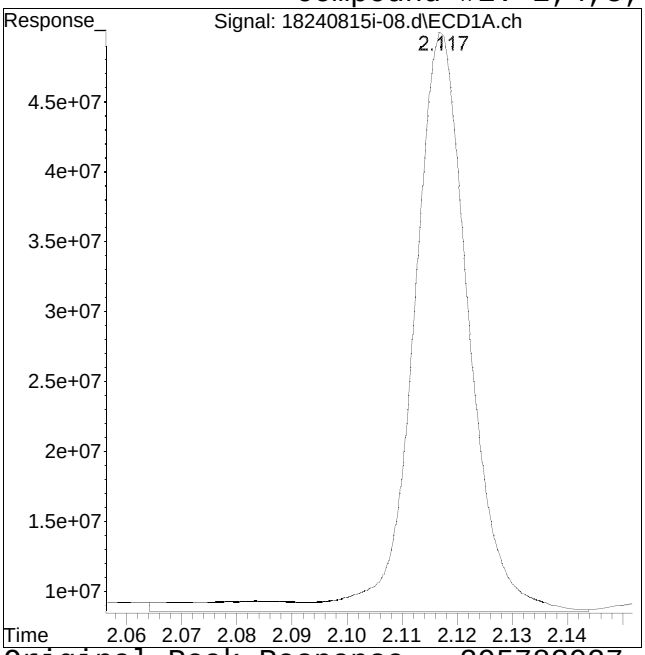


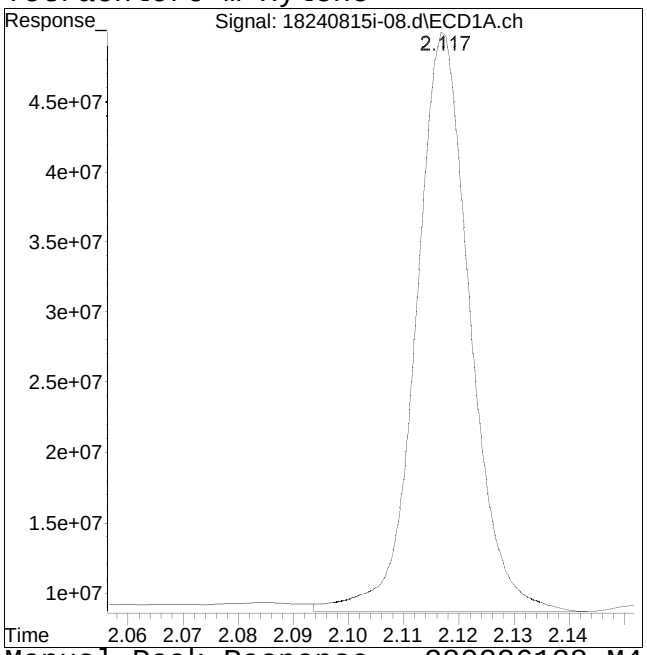
Original Peak Response = 333390886 Manual Peak Response = 330836050 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



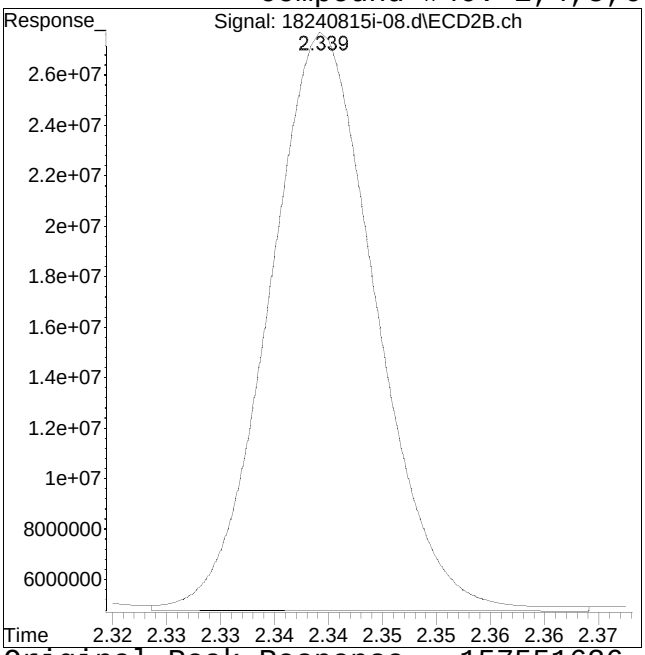


Original Peak Response = 295783927 Manual Peak Response = 280226128 M4
M4 = Poor automated baseline construction.

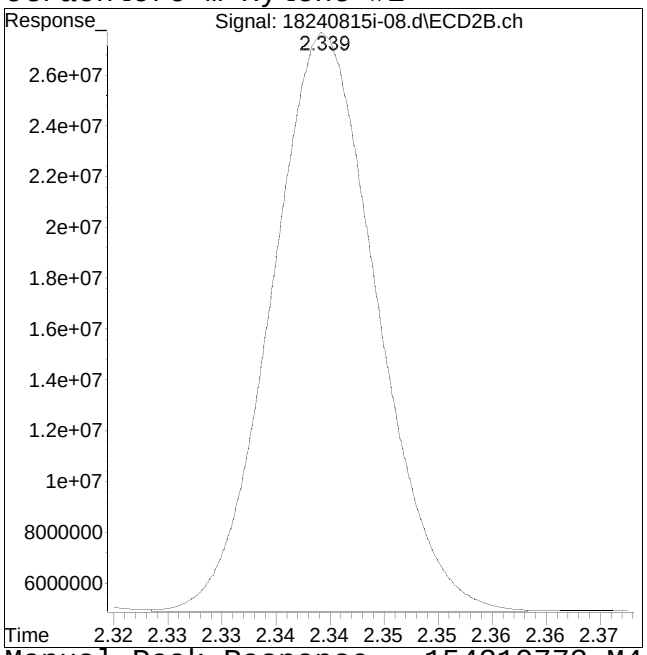
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 157551626



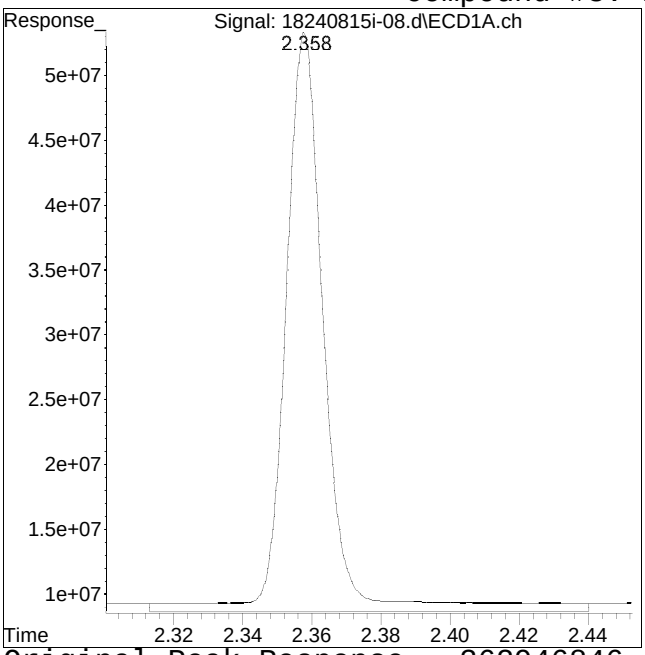
Manual Peak Response = 154310773 M4

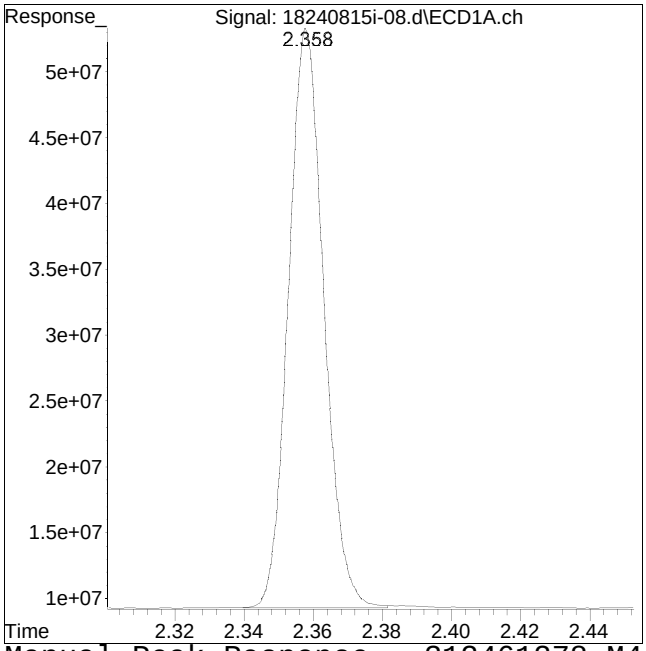
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #3: Hexachlorobenzene



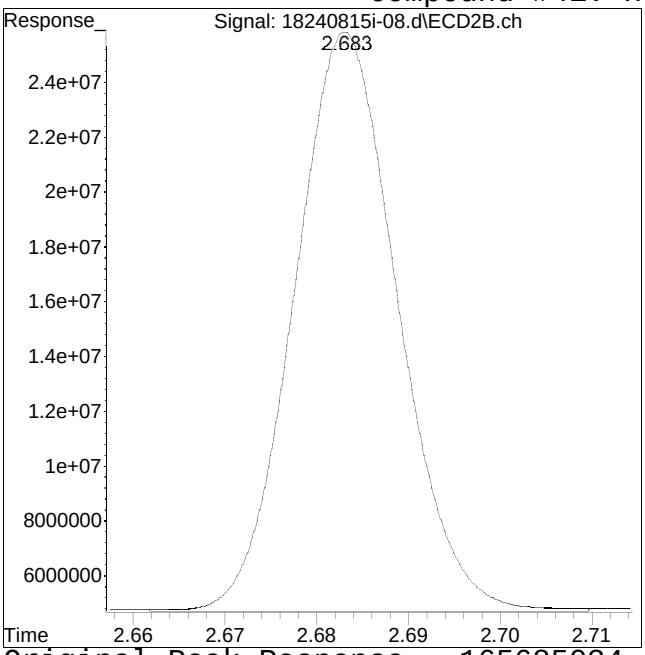


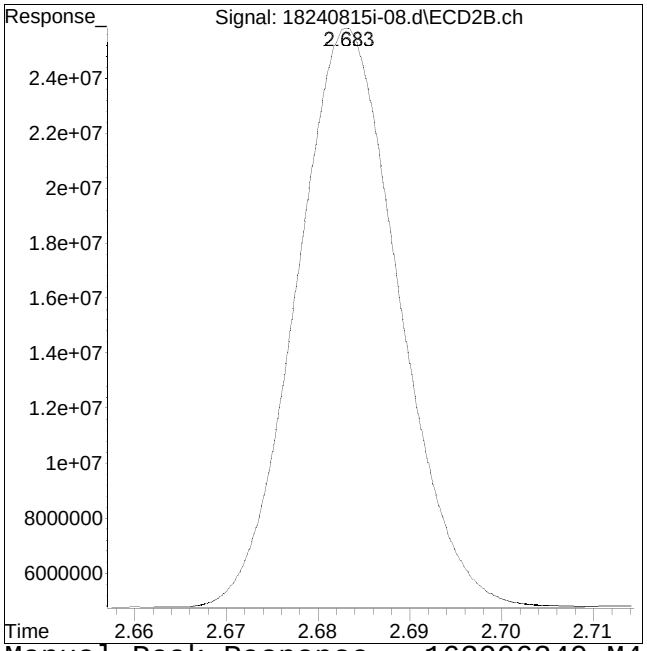
Original Peak Response = 362946846 Manual Peak Response = 312461278 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #41: Hexachlorobenzene #2



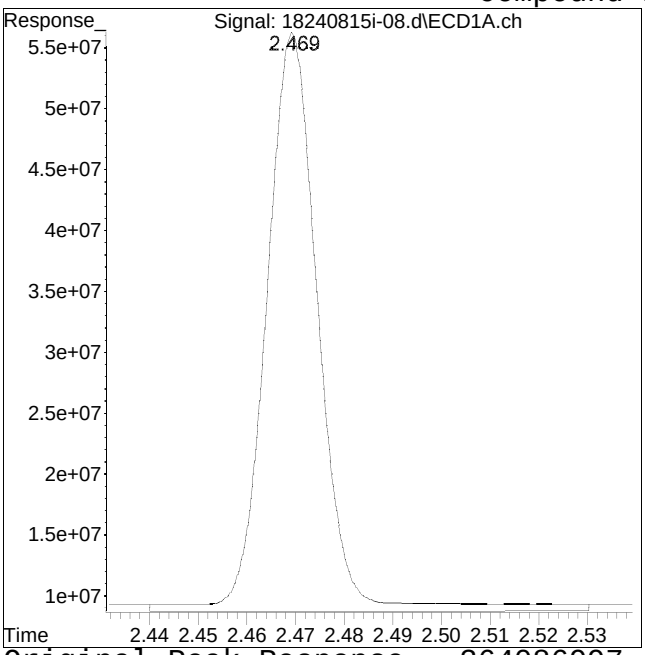


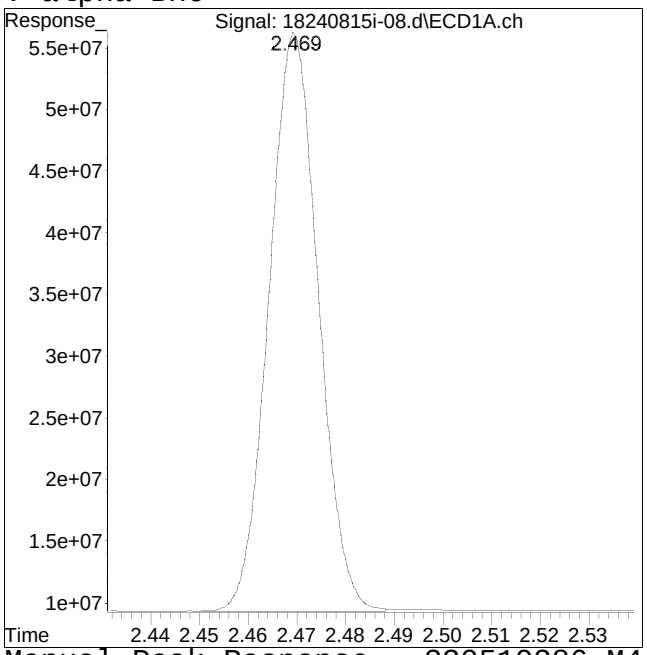
Original Peak Response = 165685034 Manual Peak Response = 163906240 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #4: alpha-BHC



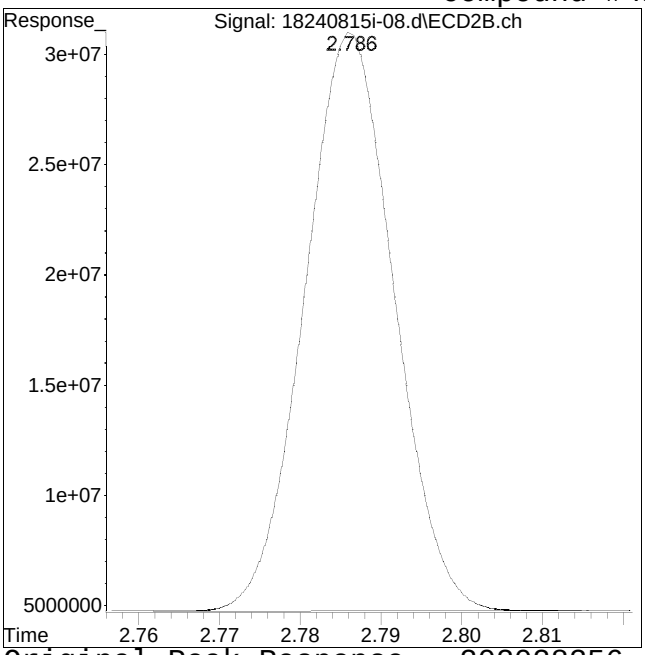


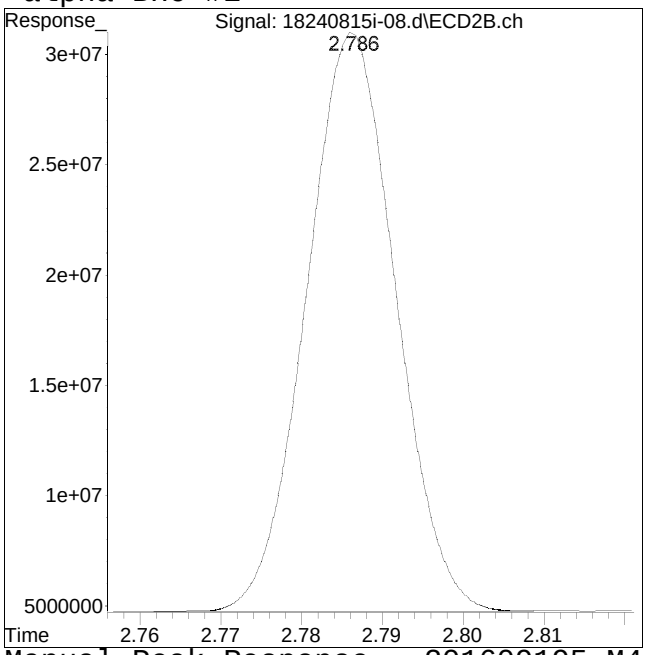
Original Peak Response = 364086997 Manual Peak Response = 330510386 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #42: alpha-BHC #2



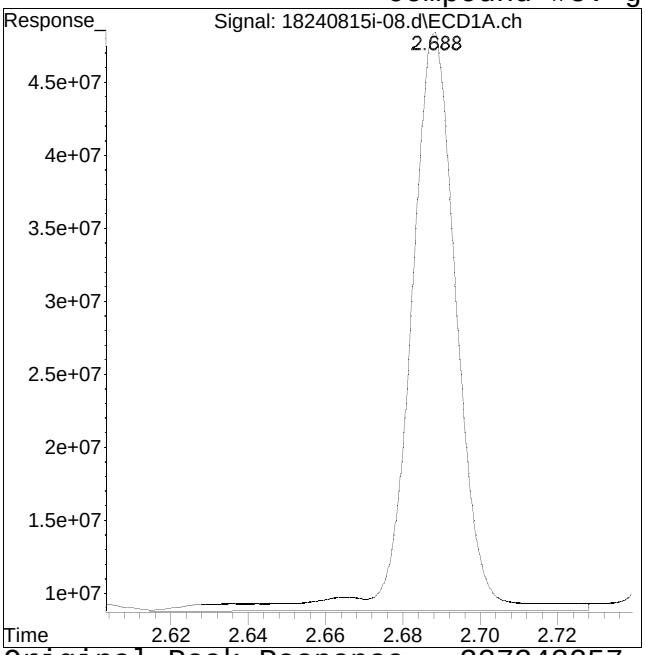


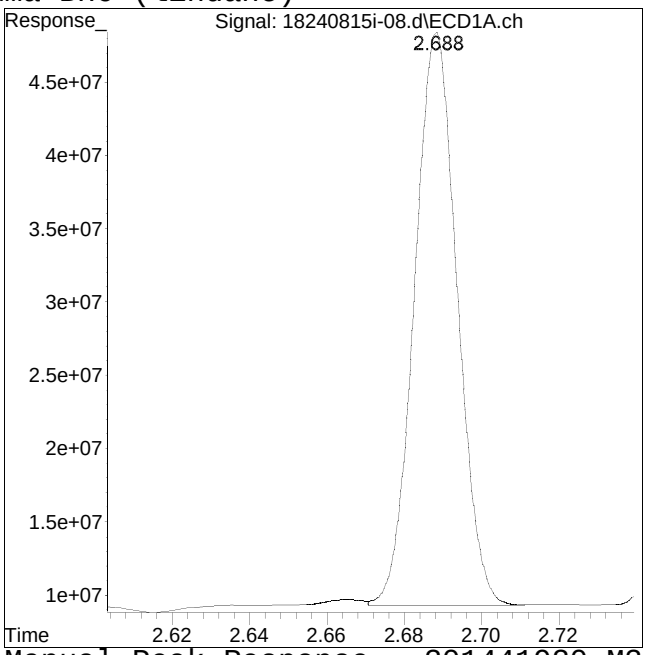
Original Peak Response = 202028356 Manual Peak Response = 201609195 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #5: gamma-BHC (lindane)



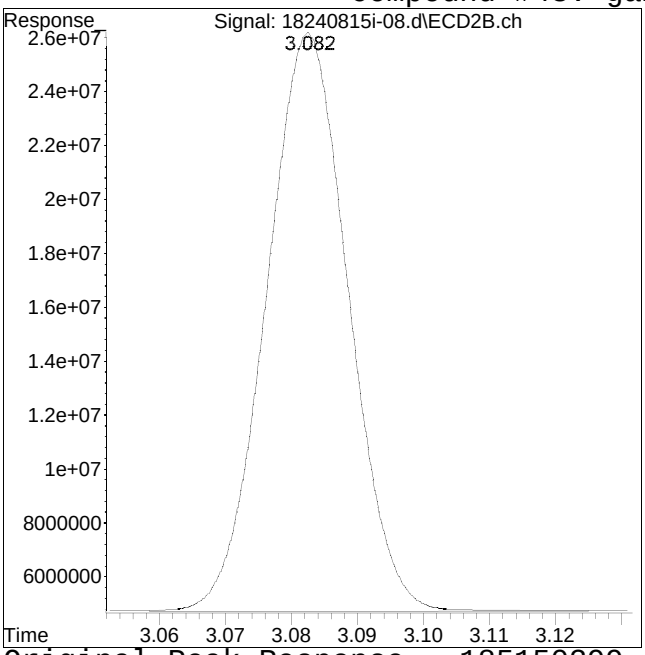


Original Peak Response = 337343257 Manual Peak Response = 301441920 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

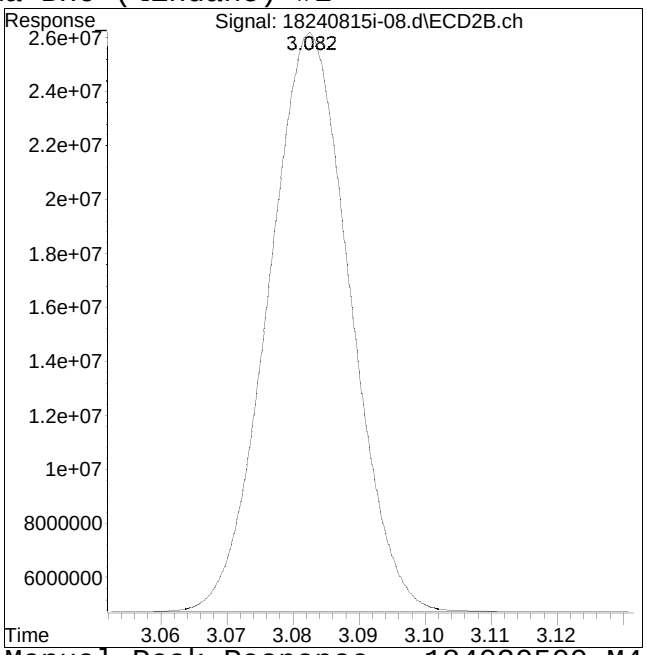
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 185150399



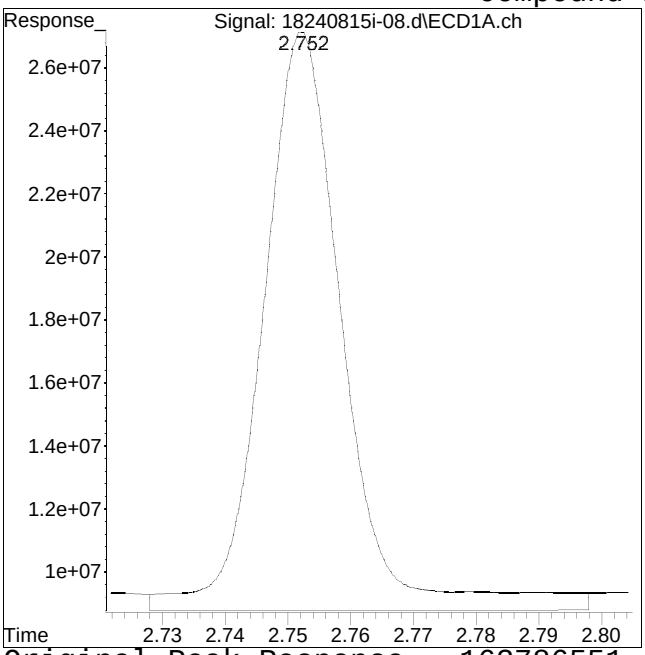
Manual Peak Response = 184030500 M4

M4 = Poor automated baseline construction.

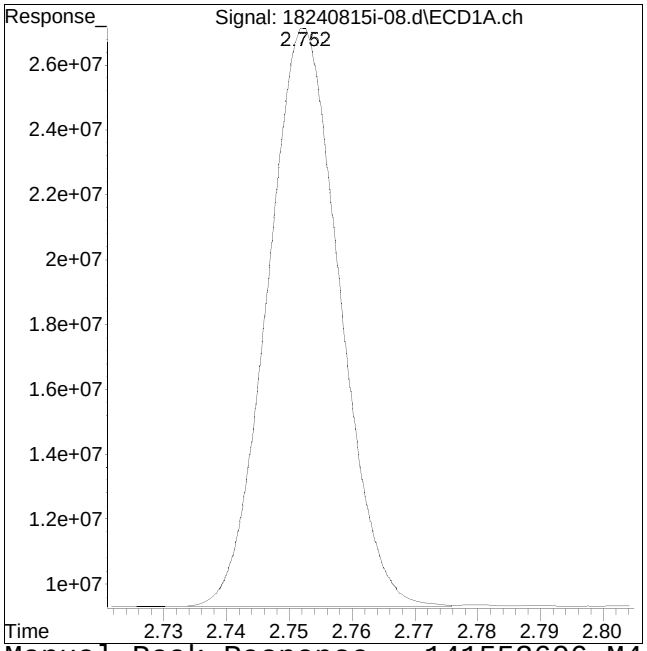
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #6: beta-BHC



Original Peak Response = 163786551



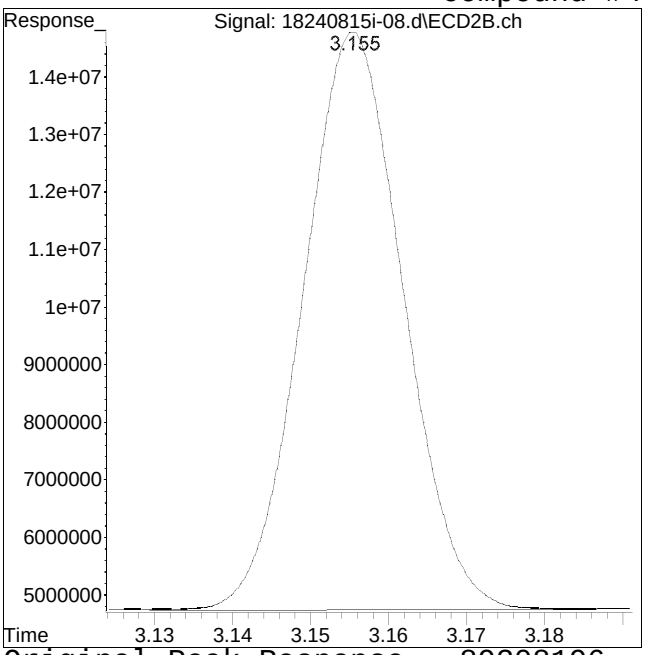
Manual Peak Response = 141553606 M4

M4 = Poor automated baseline construction.

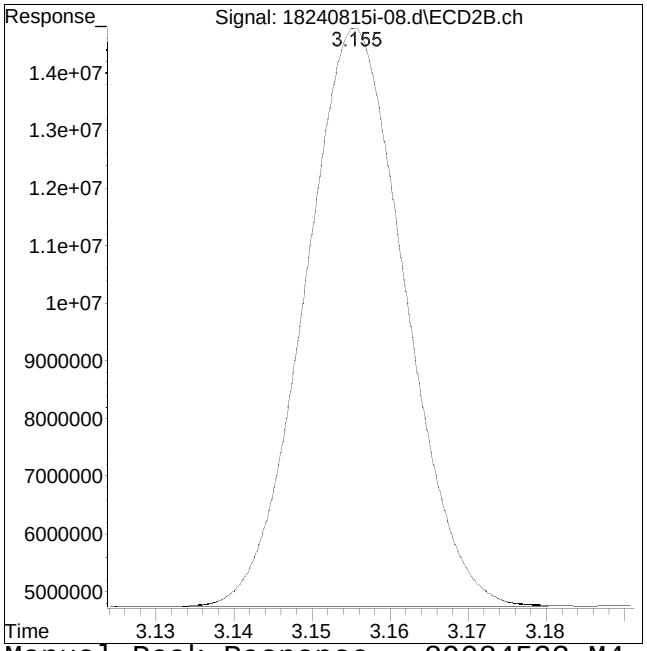
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #44: beta-BHC #2



Original Peak Response = 89308196

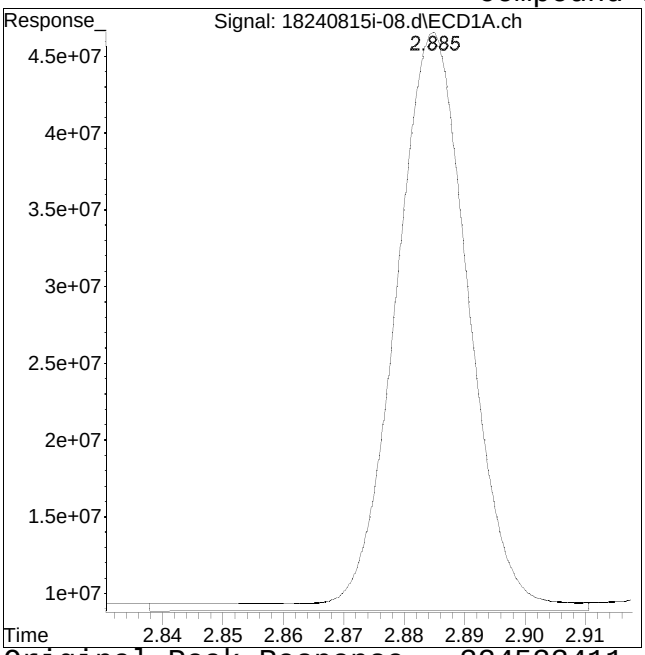


Manual Peak Response = 89084523 M4
M4 = Poor automated baseline construction.

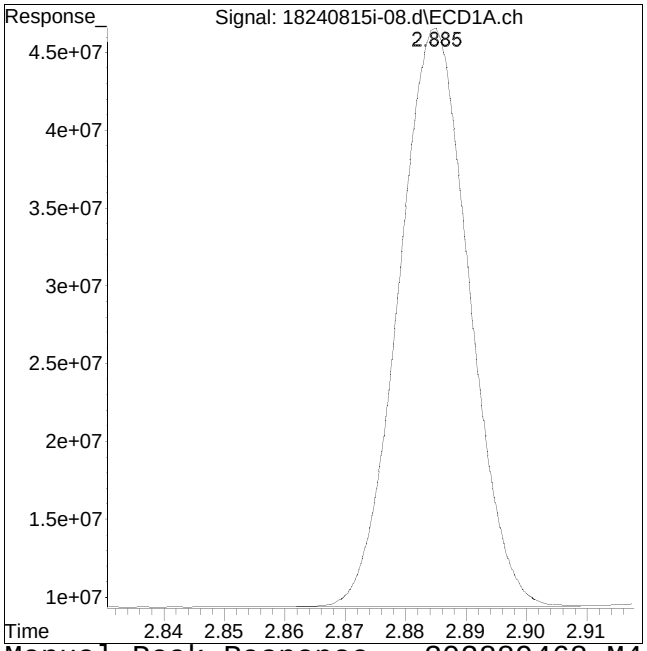
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #7: delta-BHC



Original Peak Response = 324533411



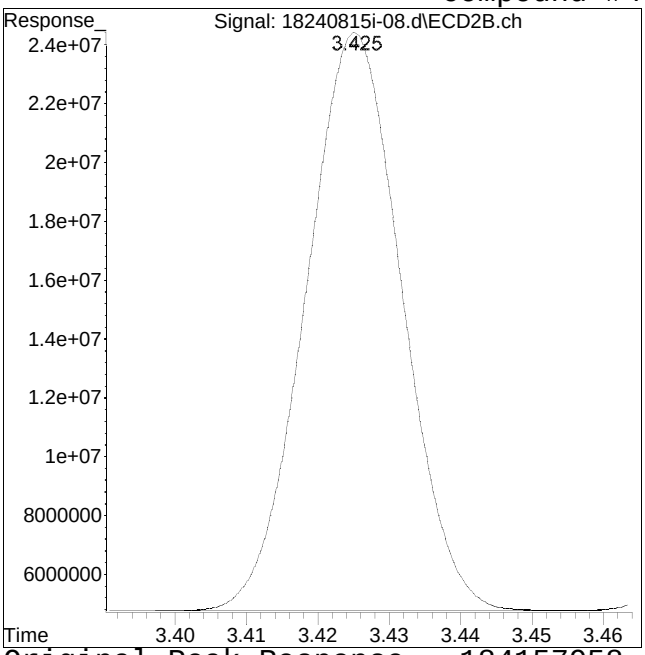
Manual Peak Response = 302889468 M4

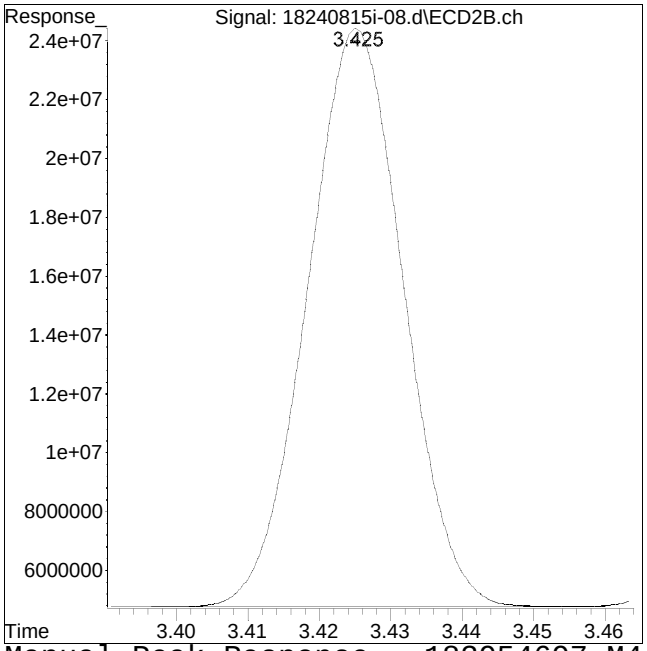
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #45: delta-BHC #2



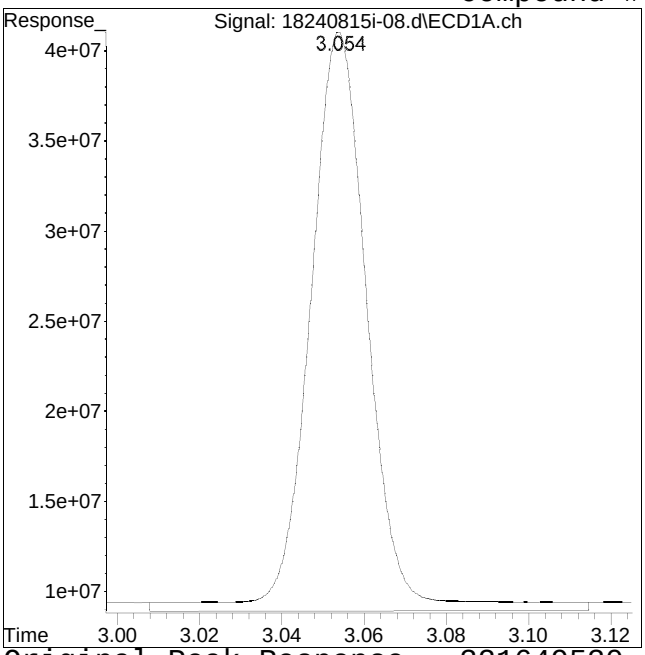


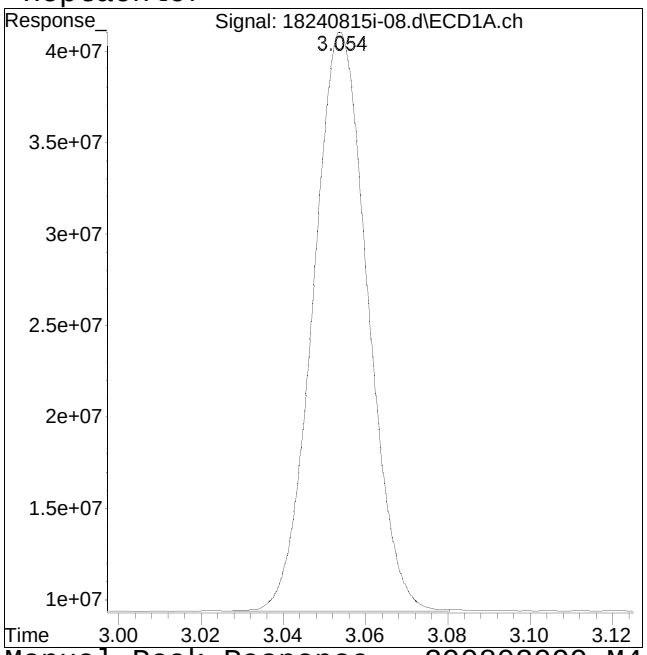
Original Peak Response = 184157958 Manual Peak Response = 183954697 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #8: Heptachlor



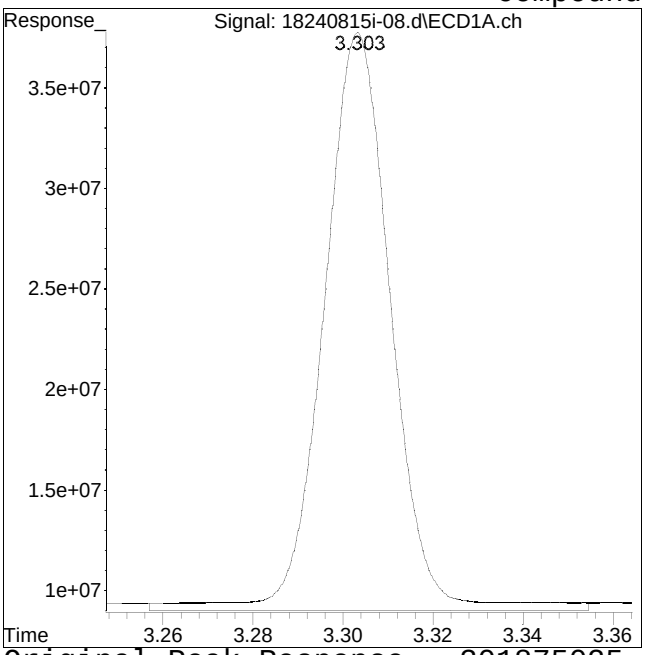


Original Peak Response = 321649530 Manual Peak Response = 290802099 M4
M4 = Poor automated baseline construction.

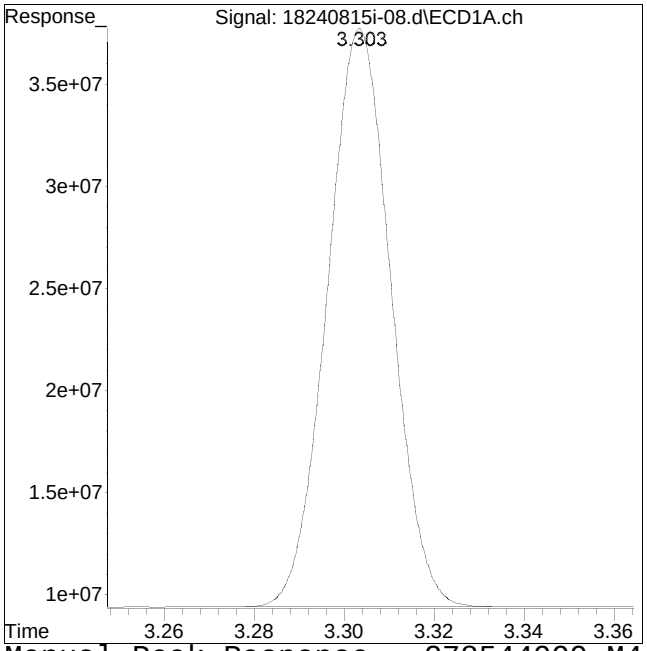
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #9: Aldrin



Original Peak Response = 301875025

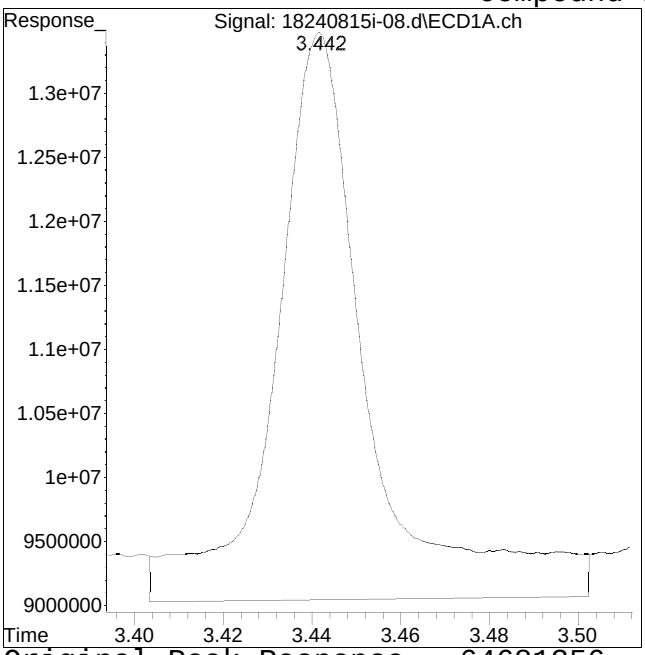


Manual Peak Response = 278544999 M4
M4 = Poor automated baseline construction.

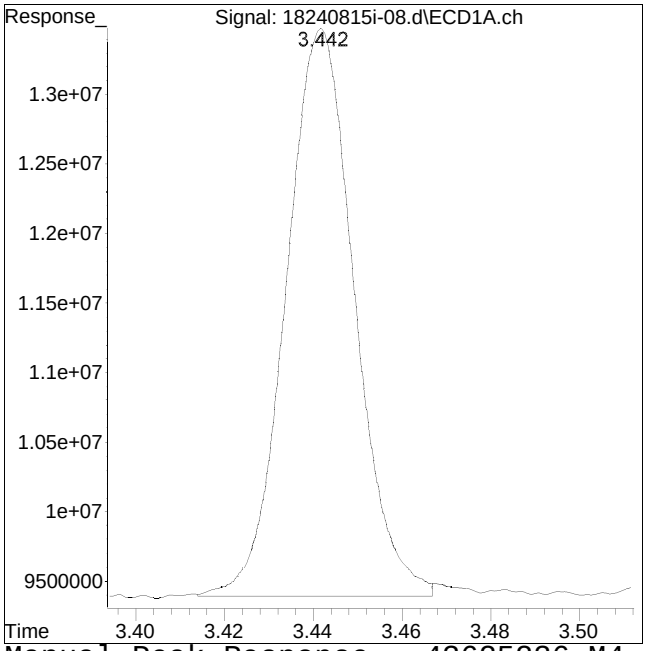
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #10: Alachlor



Original Peak Response = 64681356



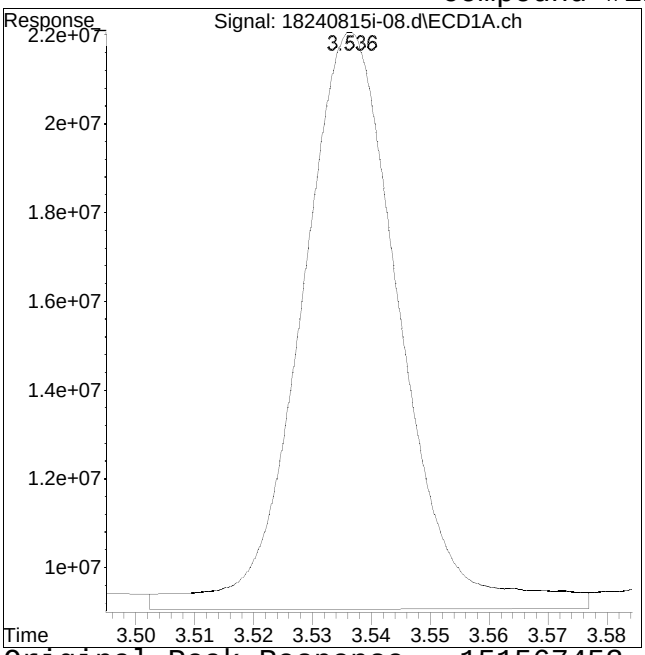
Manual Peak Response = 43625236 M4

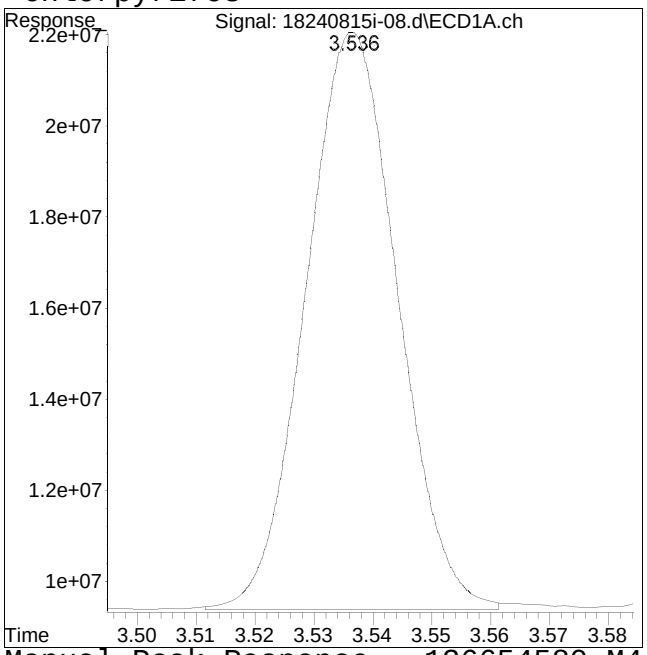
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #11: Chlorpyrifos



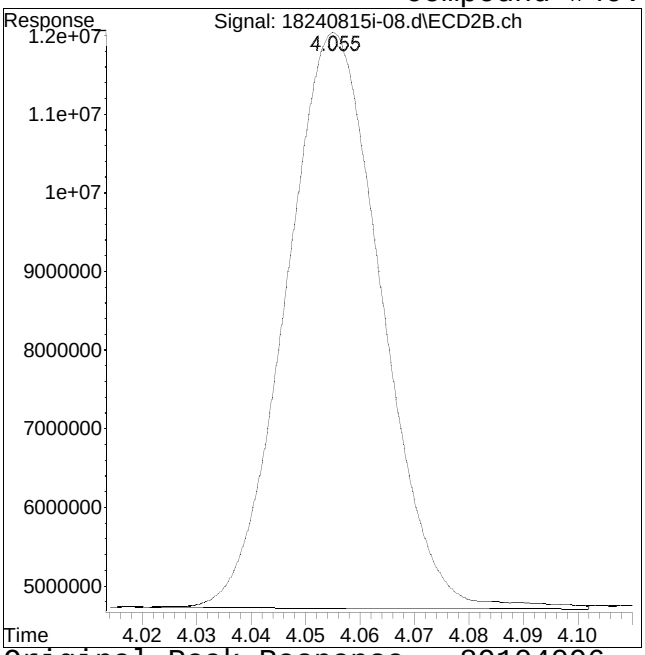


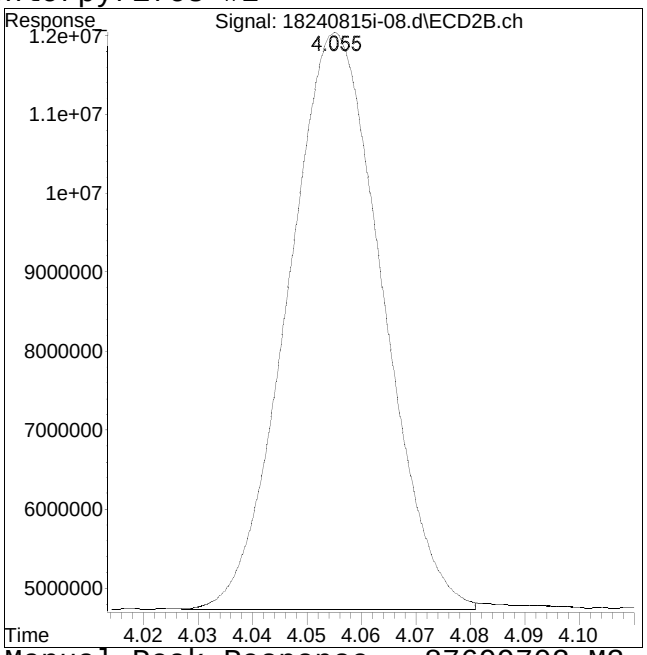
Original Peak Response = 151567453 Manual Peak Response = 136654580 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #49: Chlorpyrifos #2



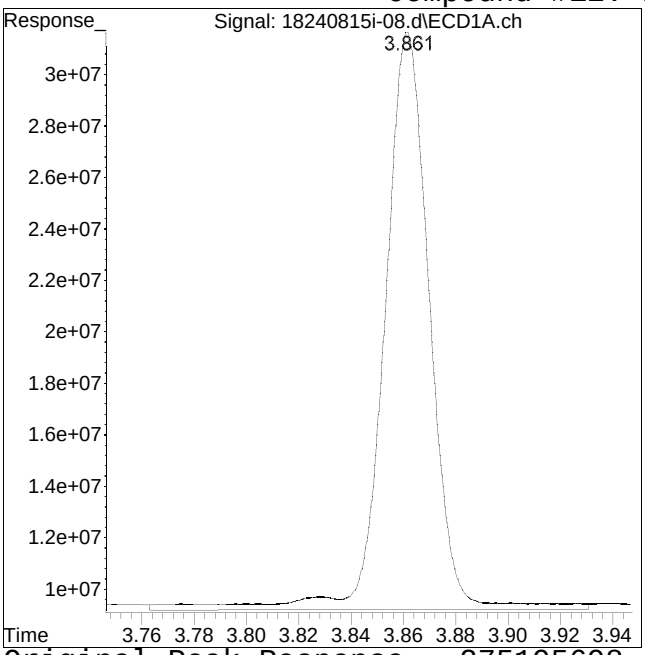


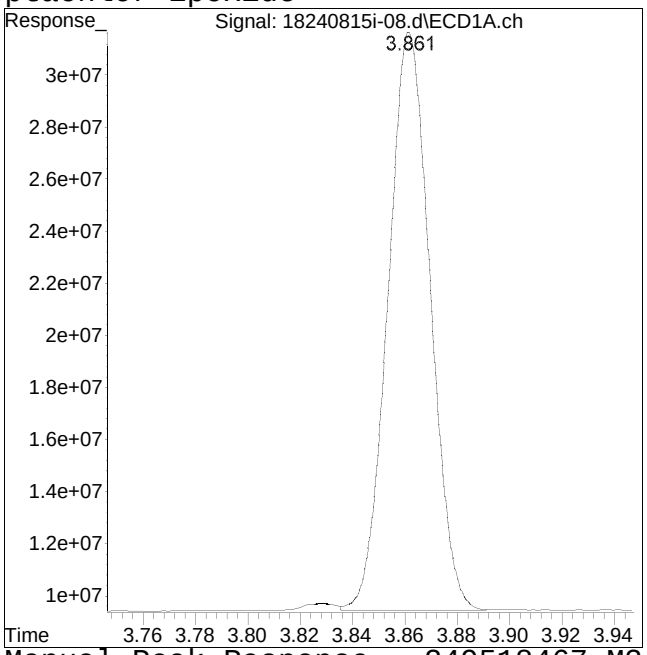
Original Peak Response = 89104096 Manual Peak Response = 87699702 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #12: Heptachlor Epoxide



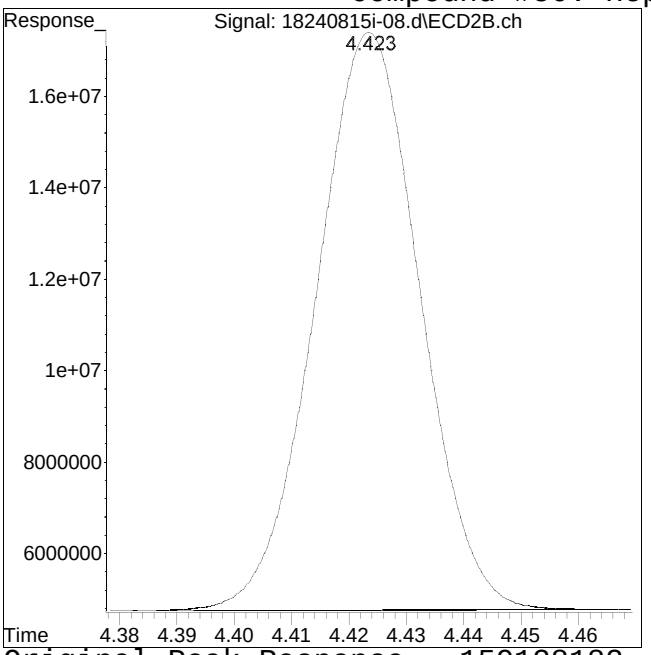


Original Peak Response = 275195698 Manual Peak Response = 249518467 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

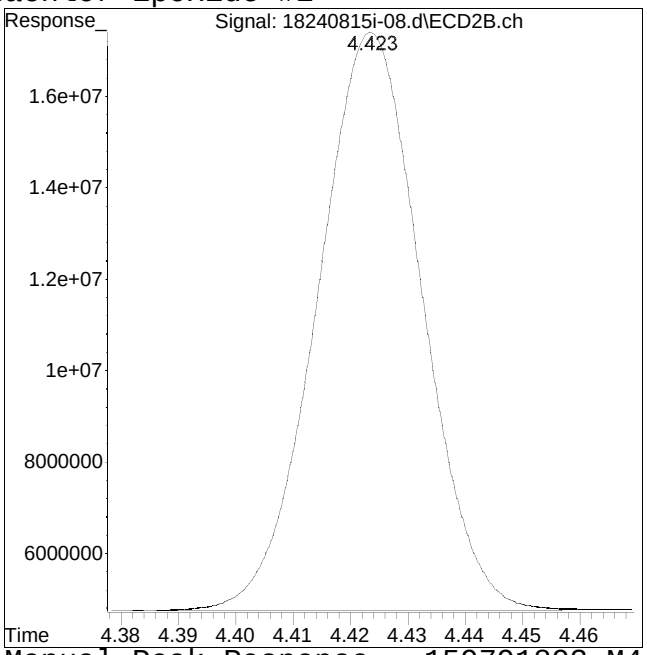
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 159128182



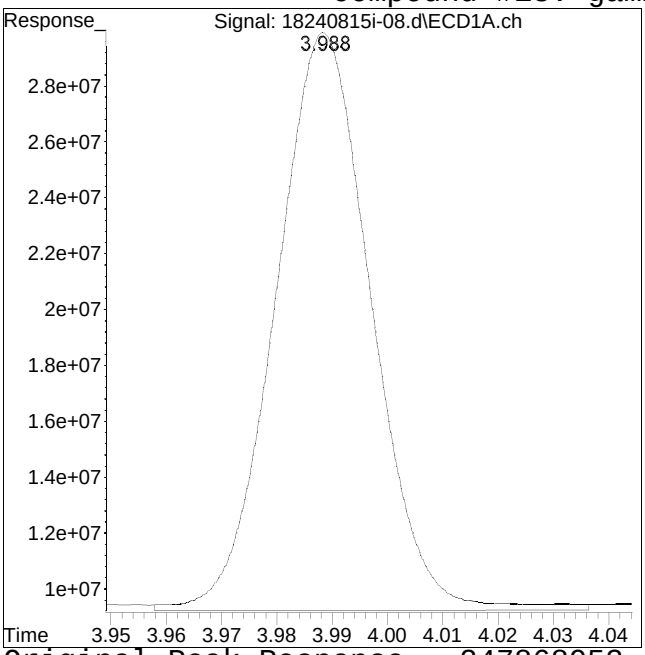
Manual Peak Response = 159791893 M4

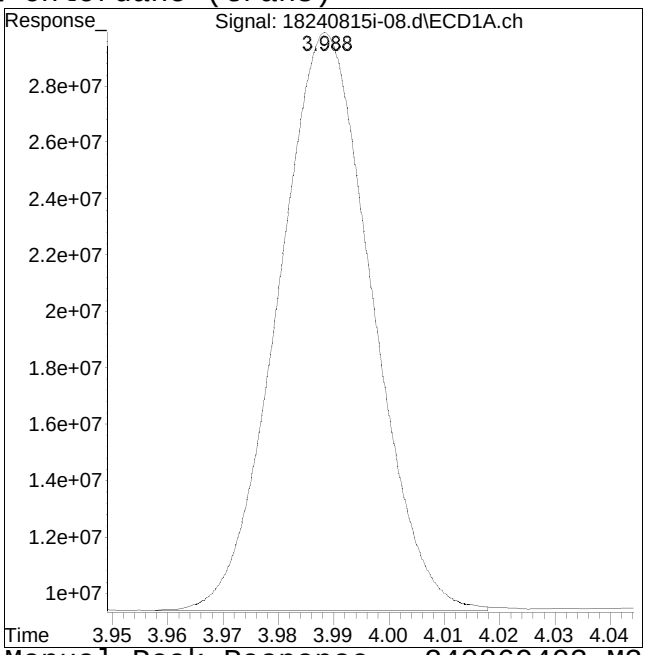
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #13: gamma-Chlordane (trans)



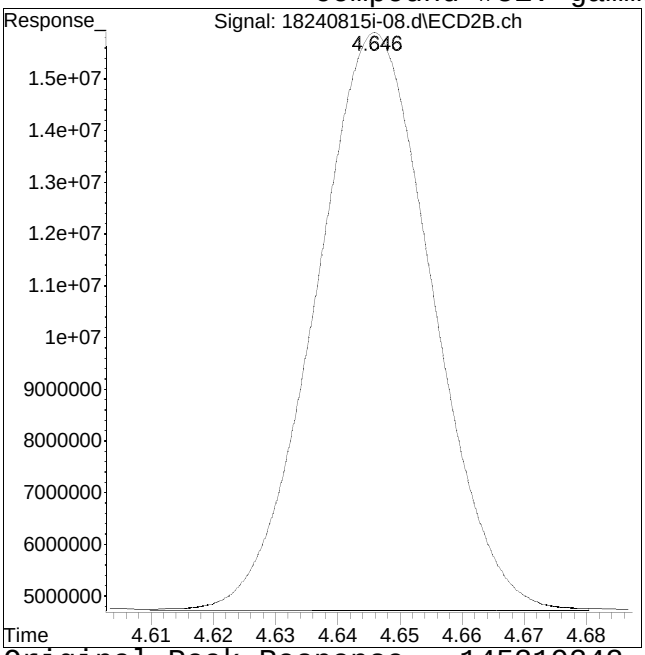


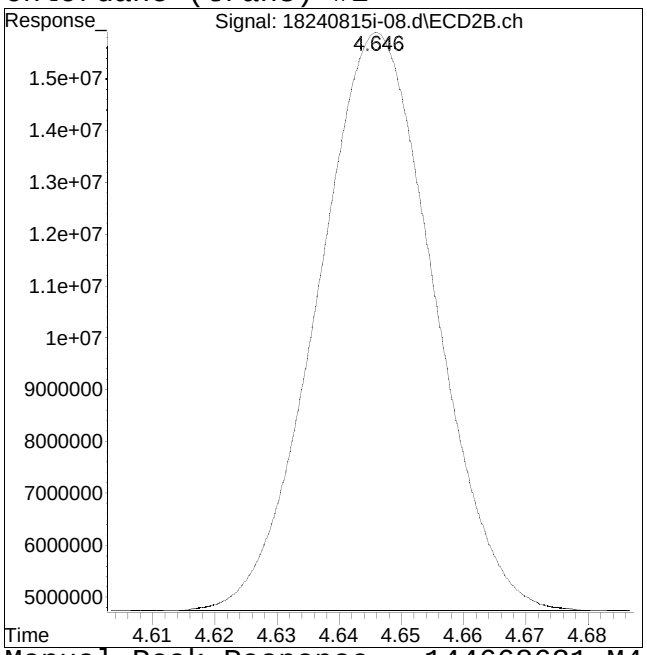
Original Peak Response = 247868953 Manual Peak Response = 240269403 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #51: gamma-Chlordane (trans) #2



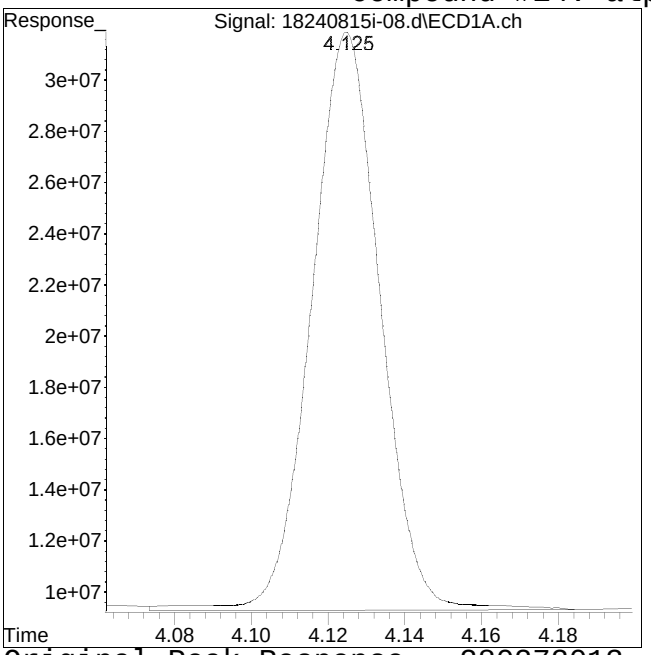


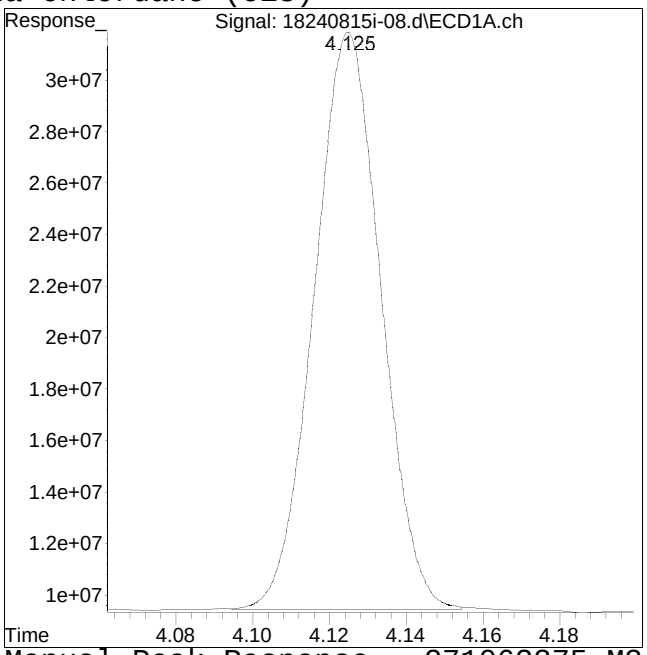
Original Peak Response = 145319342 Manual Peak Response = 144668631 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #14: alpha-Chlordane (cis)



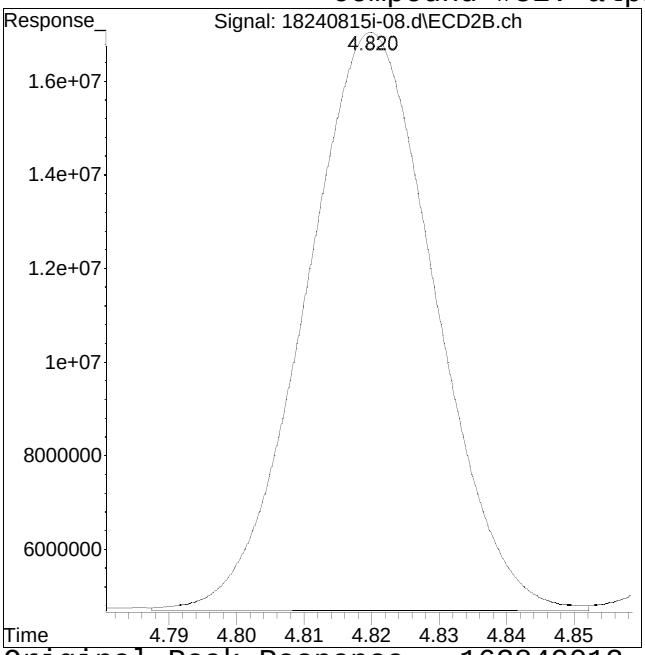


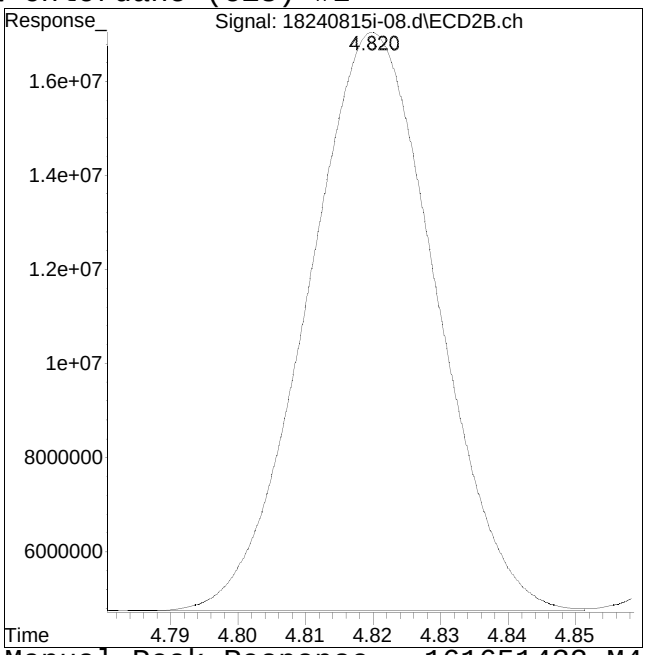
Original Peak Response = 280272013 Manual Peak Response = 271063375 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #52: alpha-Chlordane (cis) #2



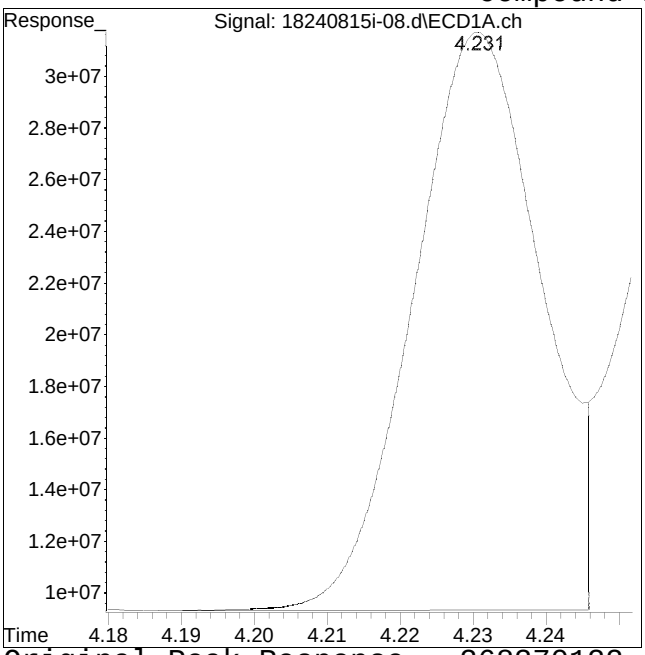


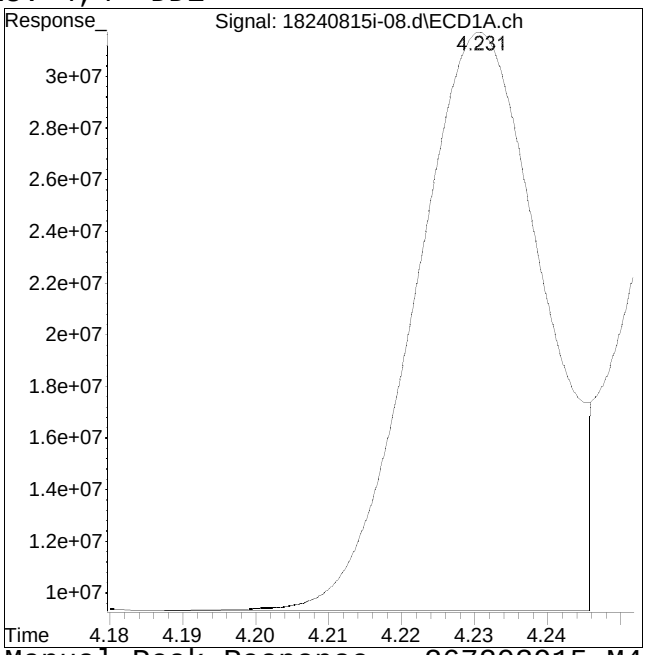
Original Peak Response = 163849012 Manual Peak Response = 161651432 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #15: 4,4'-DDE





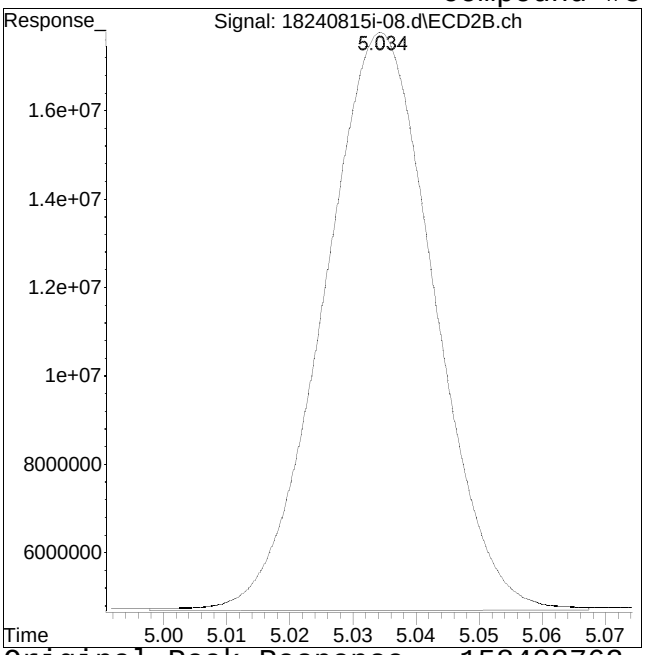
Original Peak Response = 268370122 Manual Peak Response = 267203915 M4
M4 = Poor automated baseline construction.

Manual Integration Report

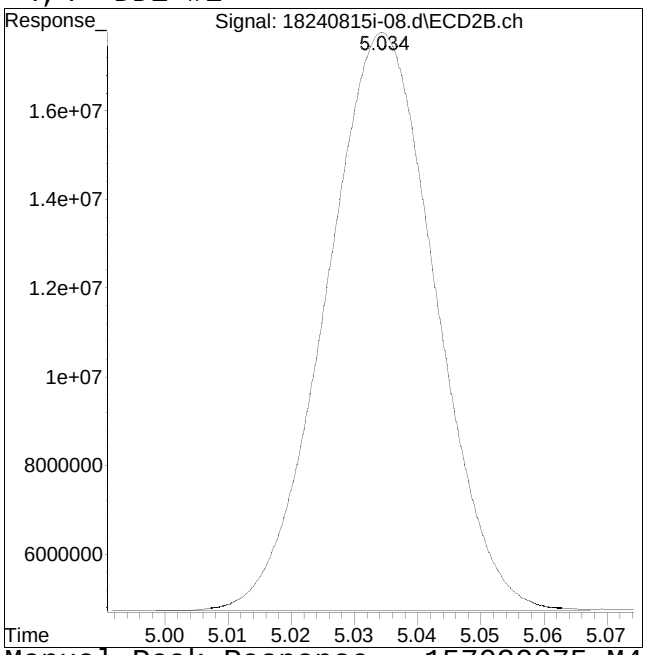
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-08.d
Date Inj'd : 8/15/2024 15:02
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:24 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 158423762



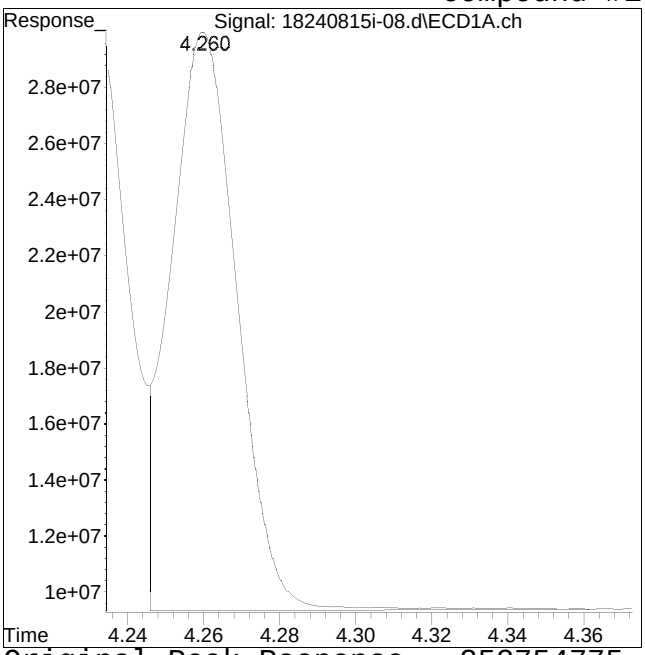
Manual Peak Response = 157030075 M4

M4 = Poor automated baseline construction.

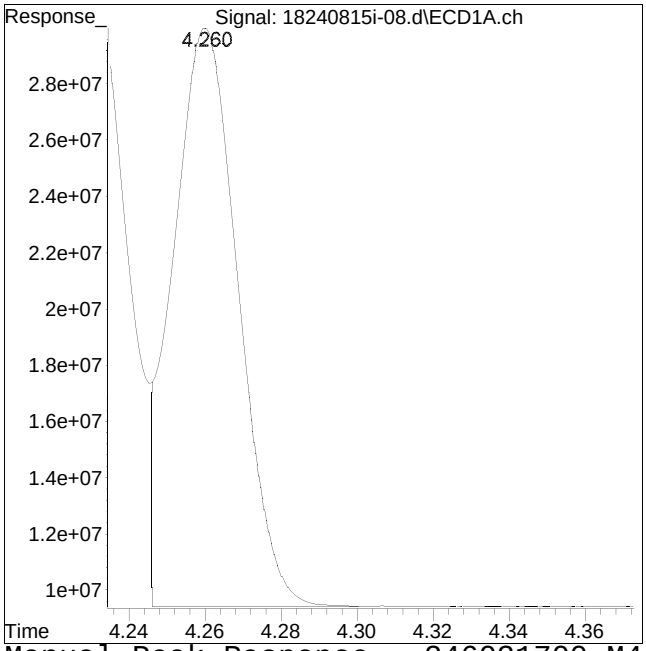
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #16: Endosulfan I



Original Peak Response = 252754775



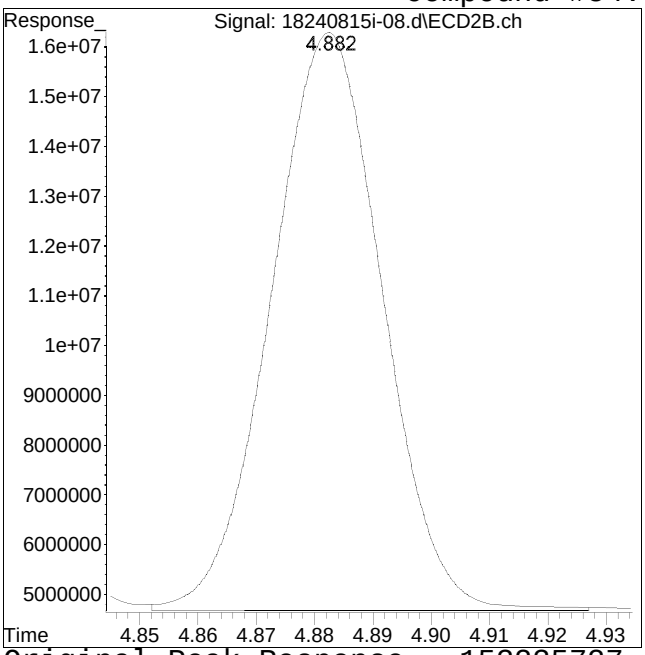
Manual Peak Response = 246031700 M4

M4 = Poor automated baseline construction.

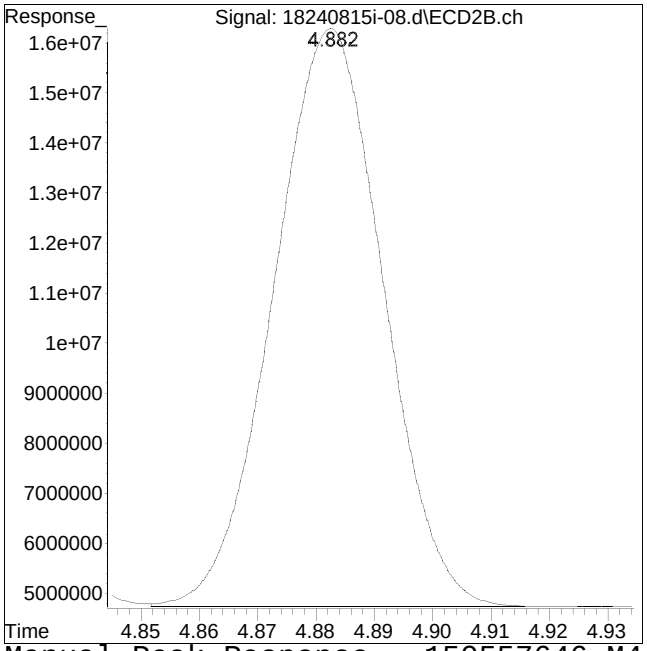
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #54: Endosulfan I #2



Original Peak Response = 153235727

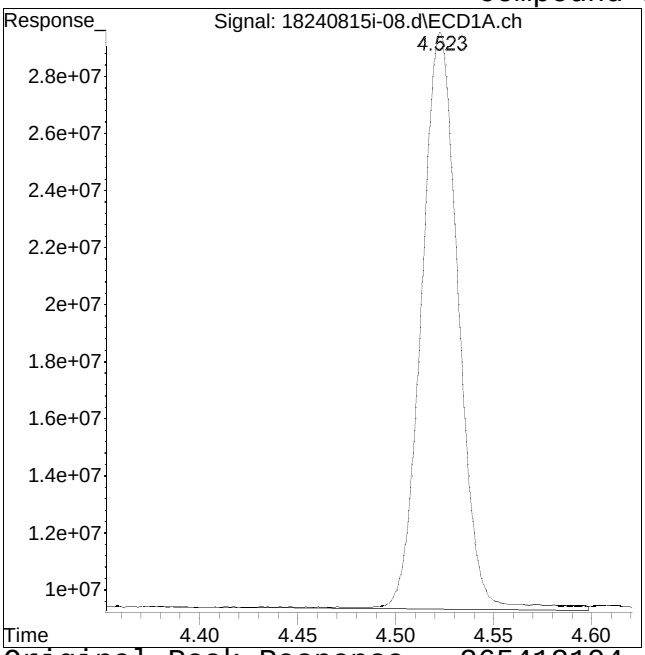


Manual Peak Response = 150557646 M4
M4 = Poor automated baseline construction.

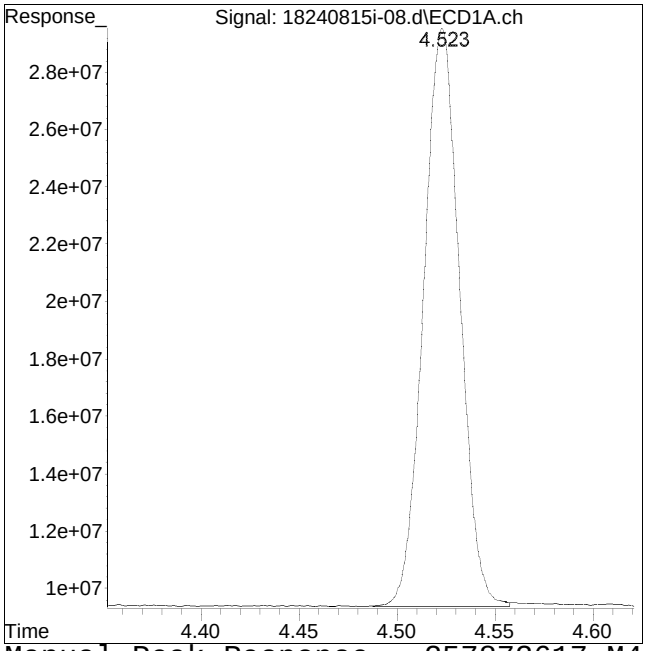
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #17: Dieldrin



Original Peak Response = 265412104



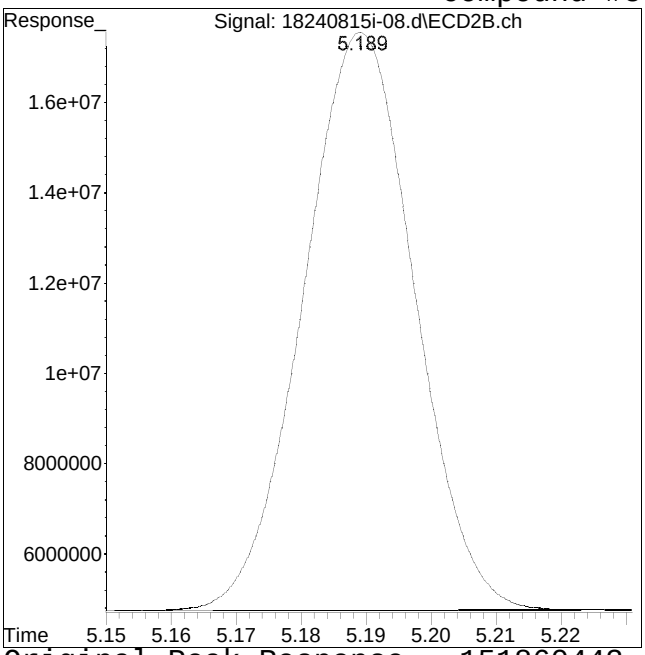
Manual Peak Response = 257873617 M4

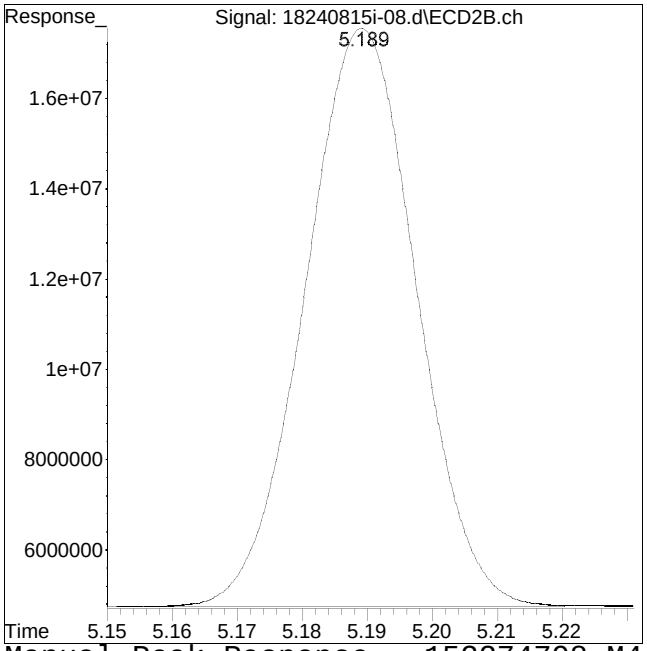
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #55: Dieldrin #2



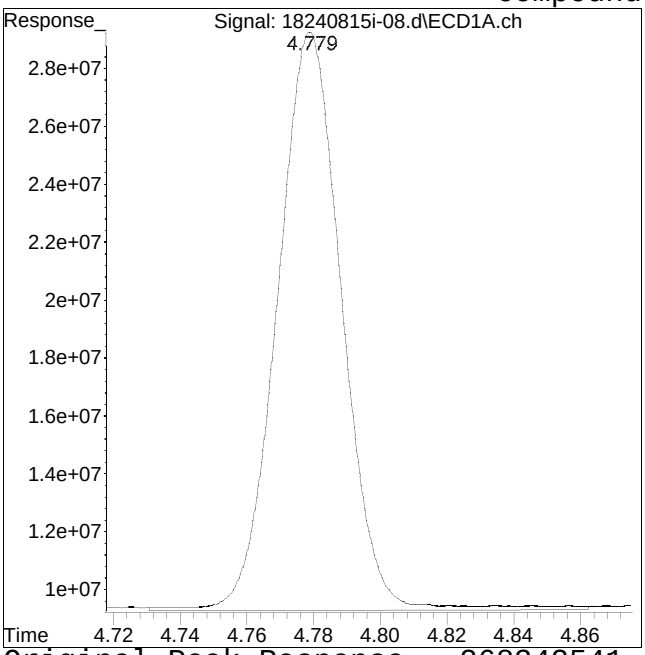


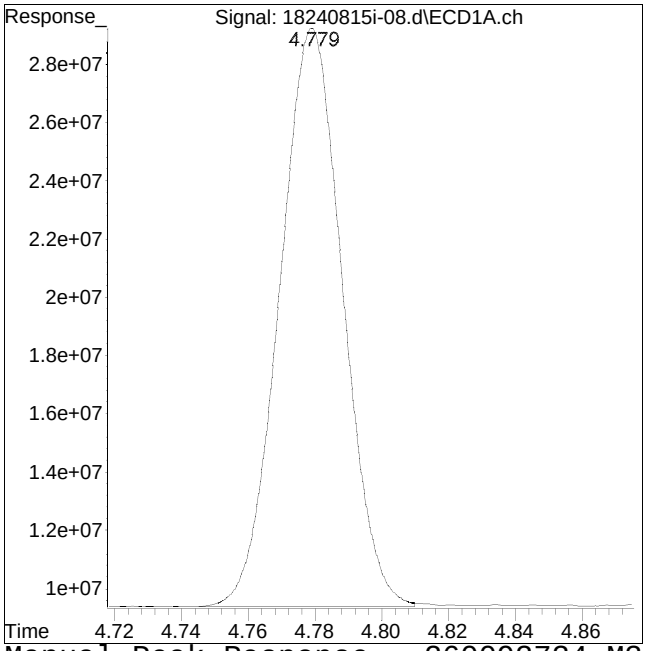
Original Peak Response = 151860443 Manual Peak Response = 152274798 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #18: Endrin



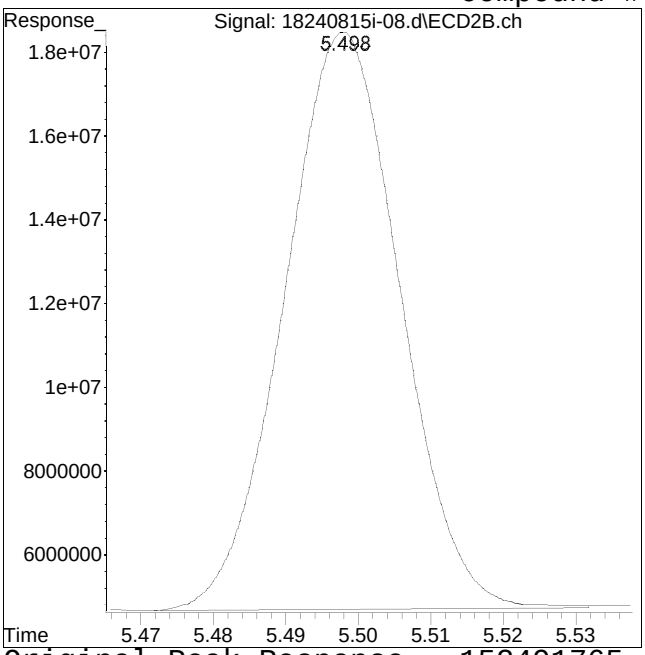


Original Peak Response = 268342541 Manual Peak Response = 260093734 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

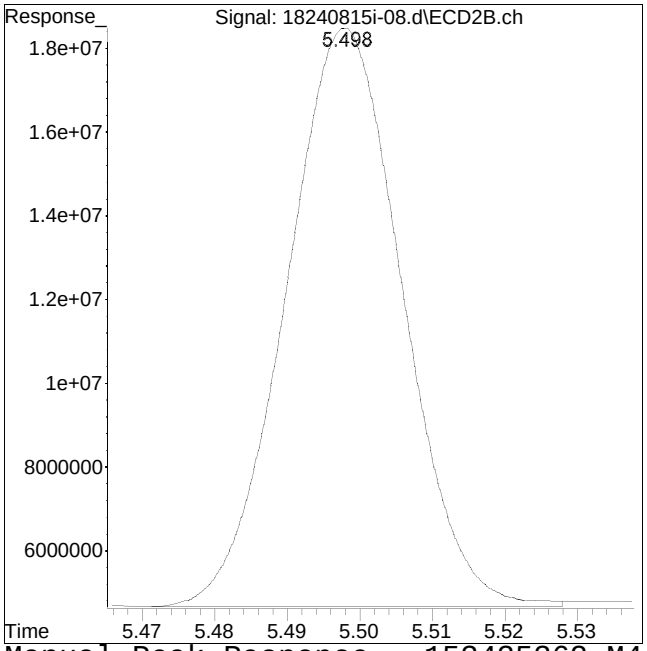
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #56: Endrin #2



Original Peak Response = 152491765



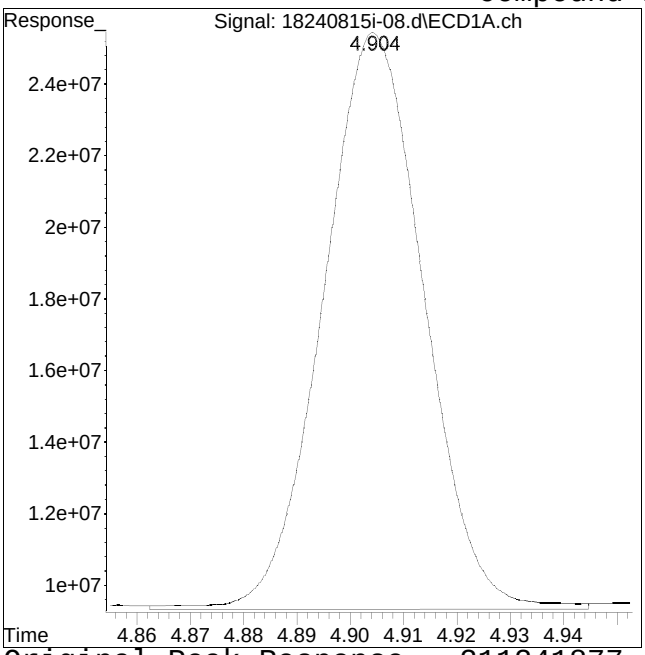
Manual Peak Response = 153435362 M4

M4 = Poor automated baseline construction.

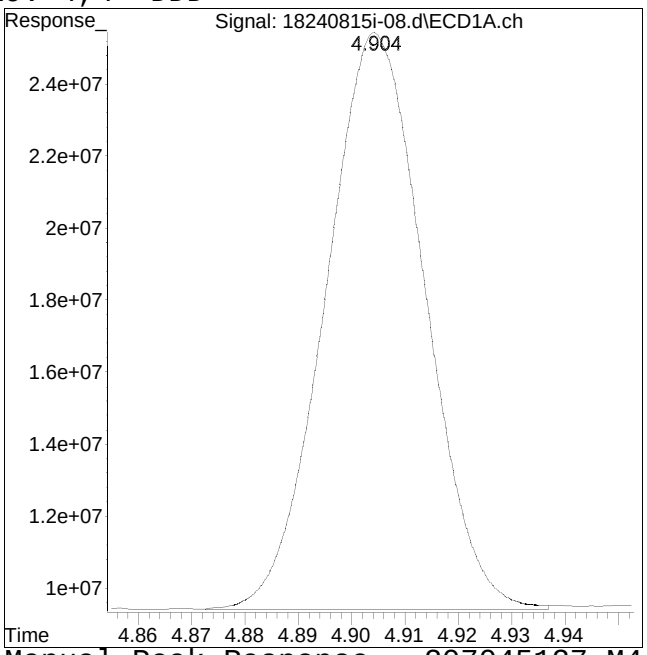
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #19: 4,4'-DDD



Original Peak Response = 211241877



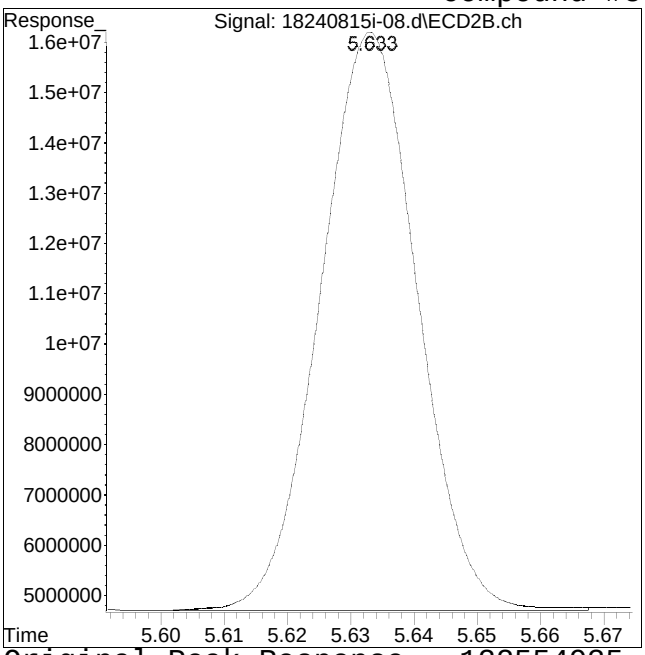
Manual Peak Response = 207045127 M4

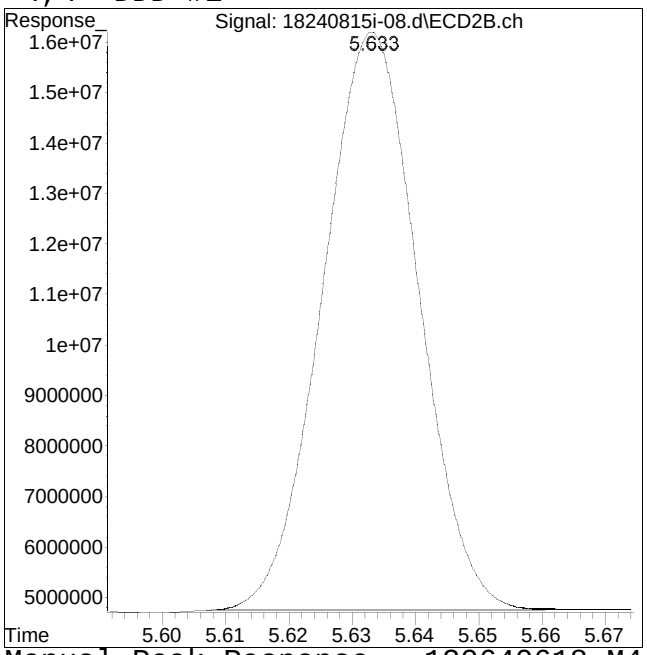
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #57: 4,4'-DDD #2



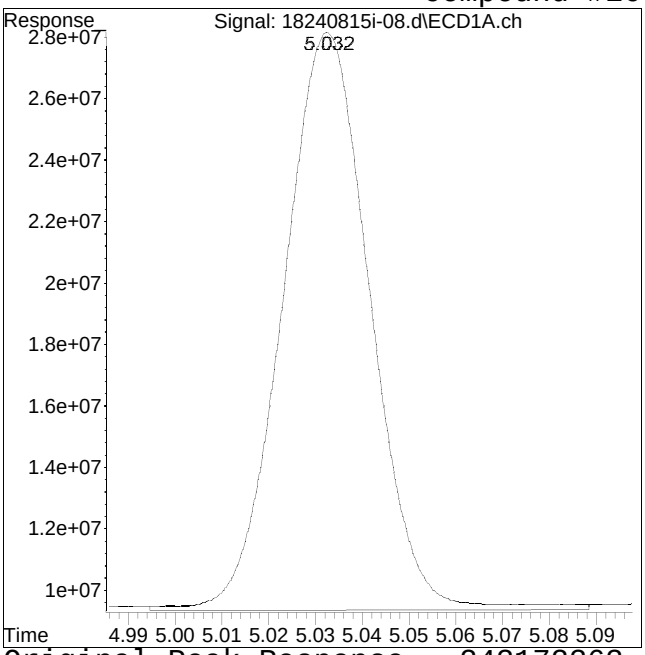


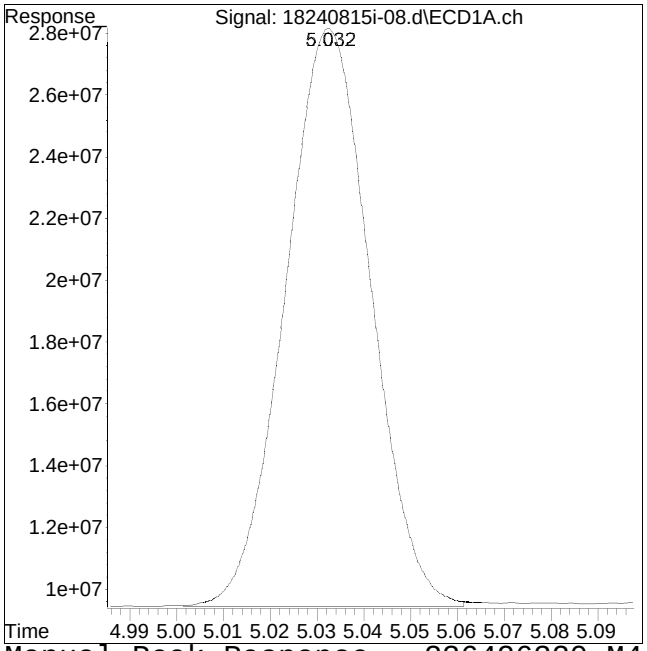
Original Peak Response = 122554935 Manual Peak Response = 120640618 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #20: Endosulfan II



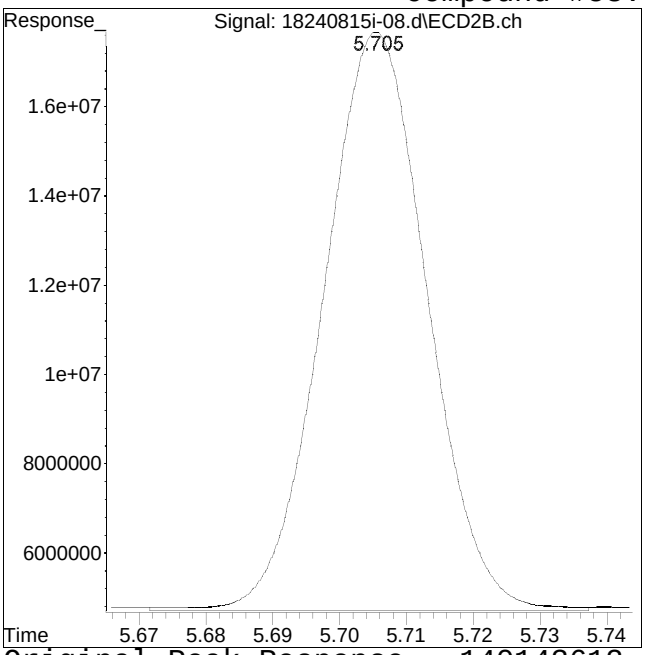


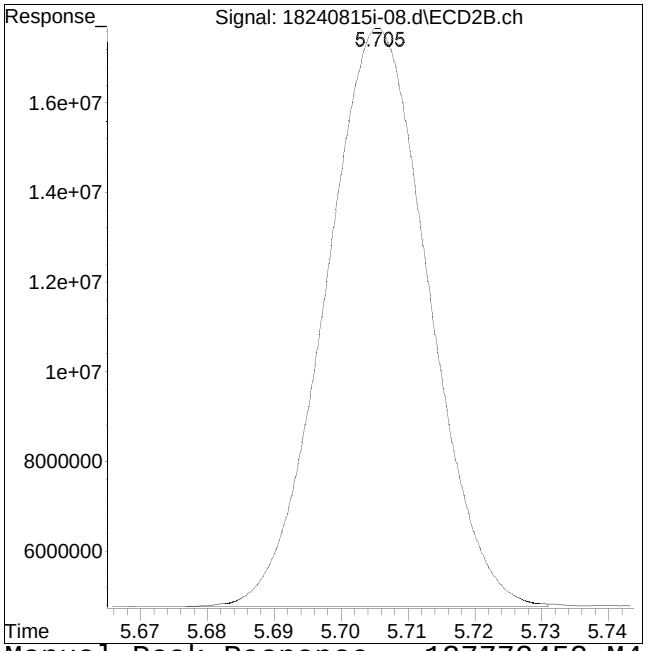
Original Peak Response = 243172363 Manual Peak Response = 236426320 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #58: Endosulfan II #2



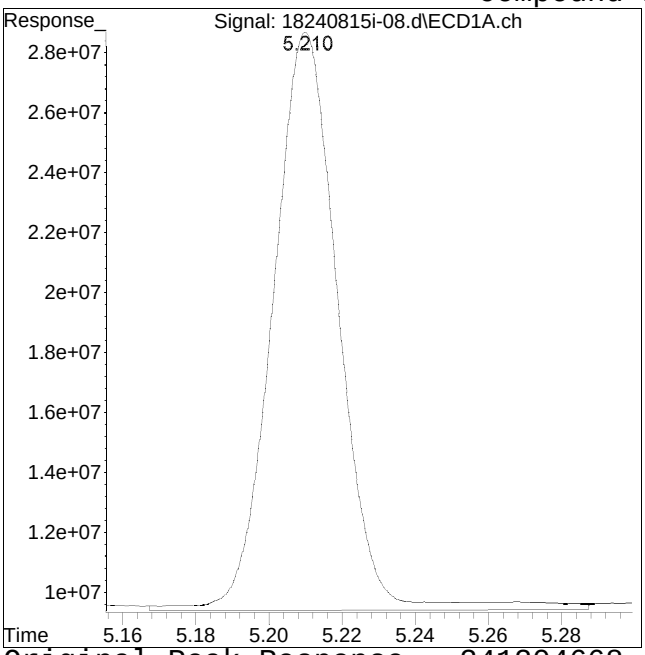


Original Peak Response = 140143612 Manual Peak Response = 137772452 M4
M4 = Poor automated baseline construction.

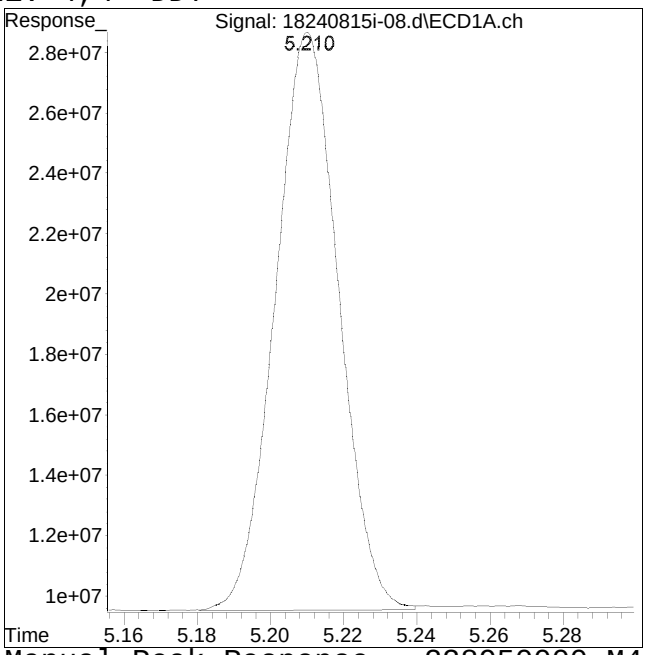
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #21: 4,4'-DDT



Original Peak Response = 241204668



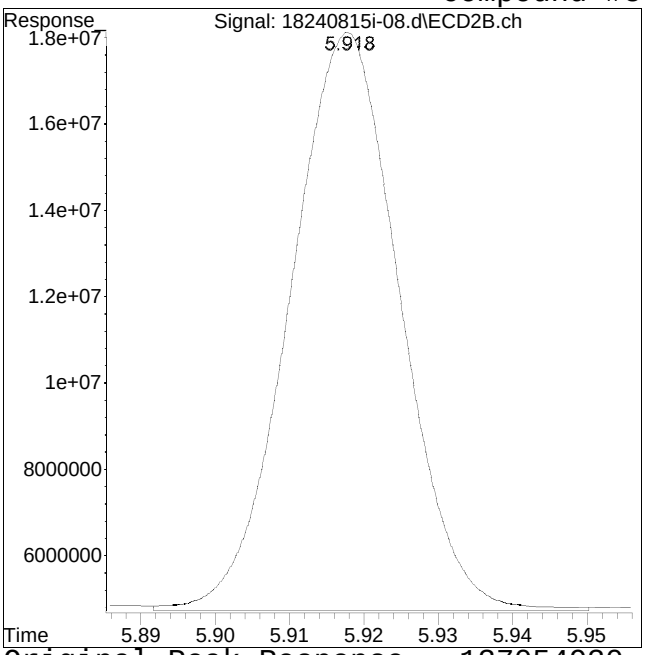
Manual Peak Response = 228950000 M4

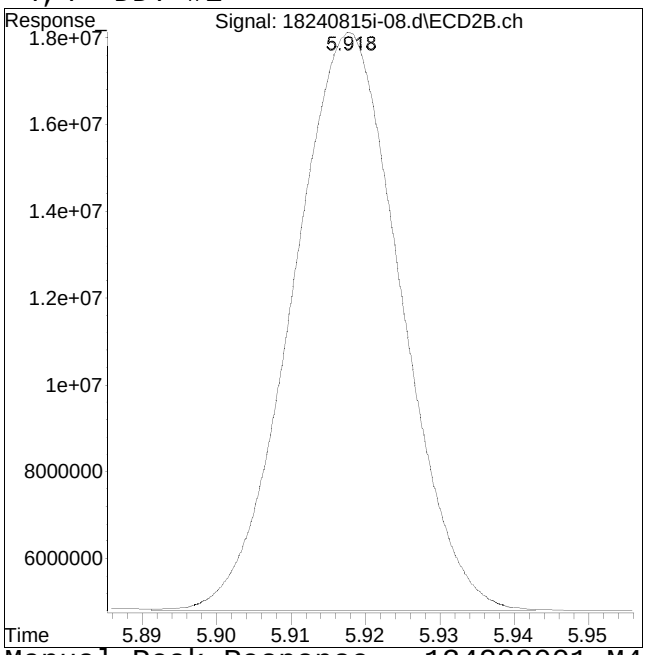
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #59: 4,4'-DDT #2



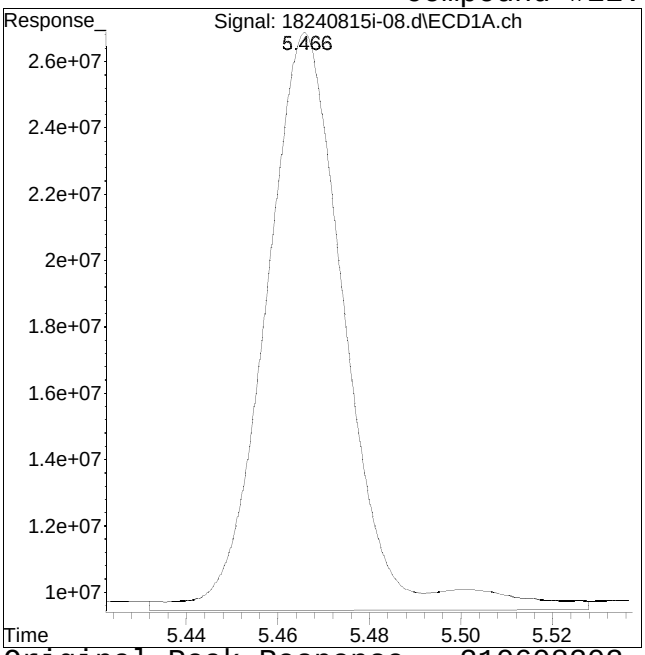


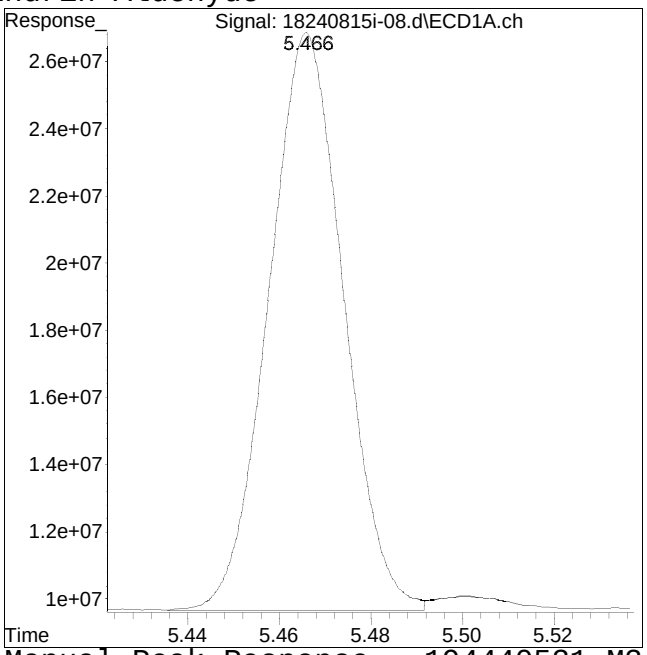
Original Peak Response = 137054930 Manual Peak Response = 134228001 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #22: Endrin Aldehyde



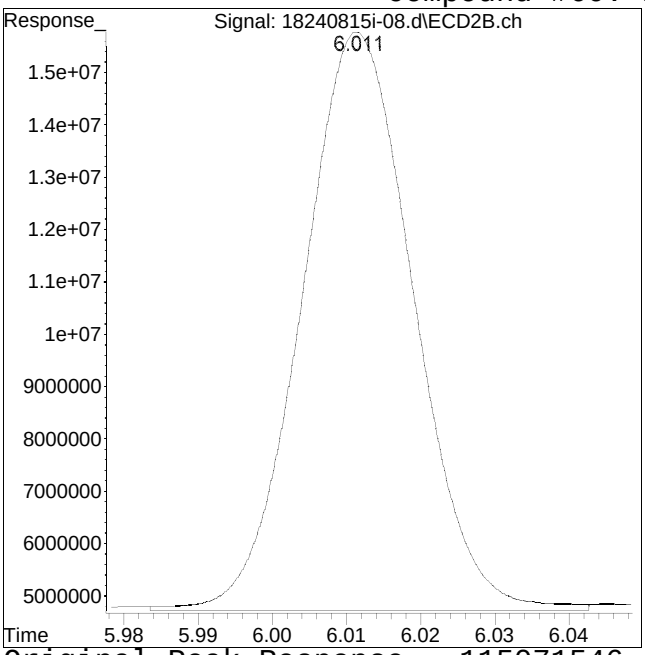


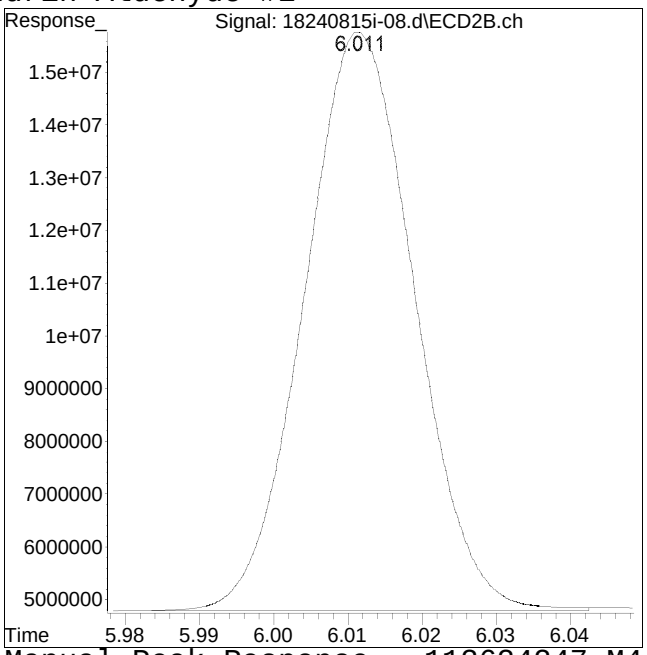
Original Peak Response = 210608303 Manual Peak Response = 194440531 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #60: Endrin Aldehyde #2





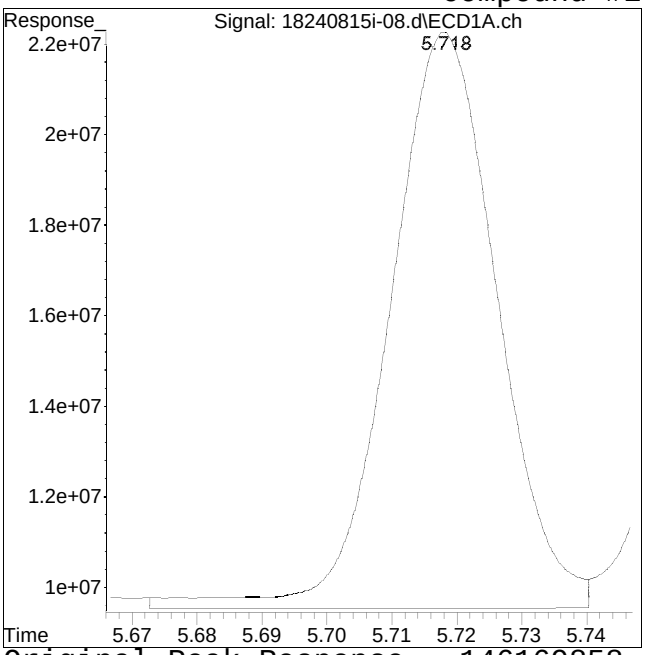
Original Peak Response = 115071546 Manual Peak Response = 112624247 M4
M4 = Poor automated baseline construction.

Manual Integration Report

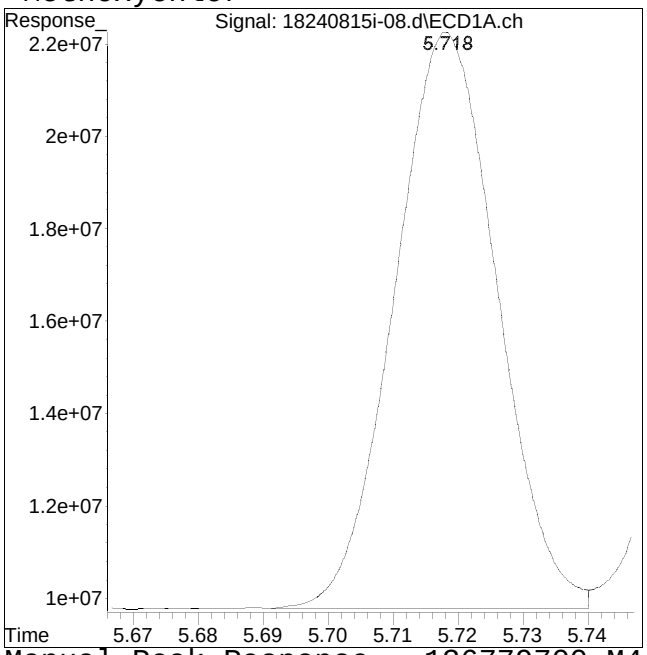
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-08.d
Date Inj'd : 8/15/2024 15:02
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:24 am

Compound #23: Methoxychlor



Original Peak Response = 146169858



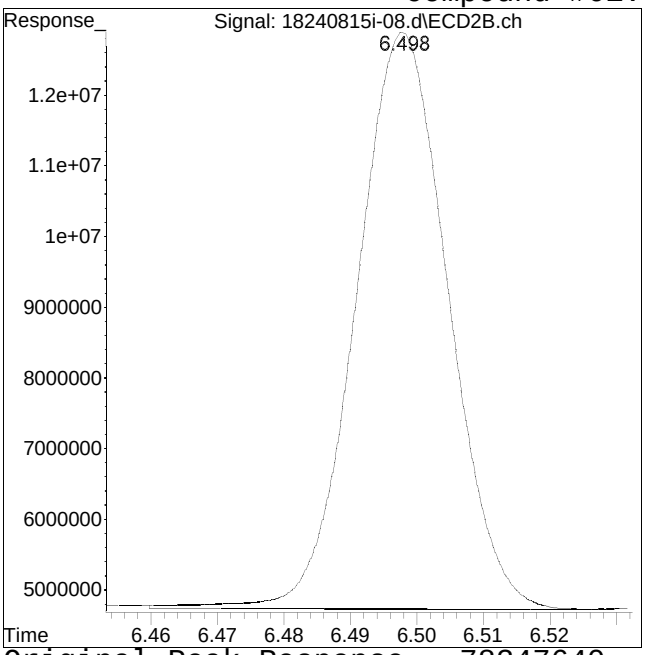
Manual Peak Response = 136779700 M4

M4 = Poor automated baseline construction.

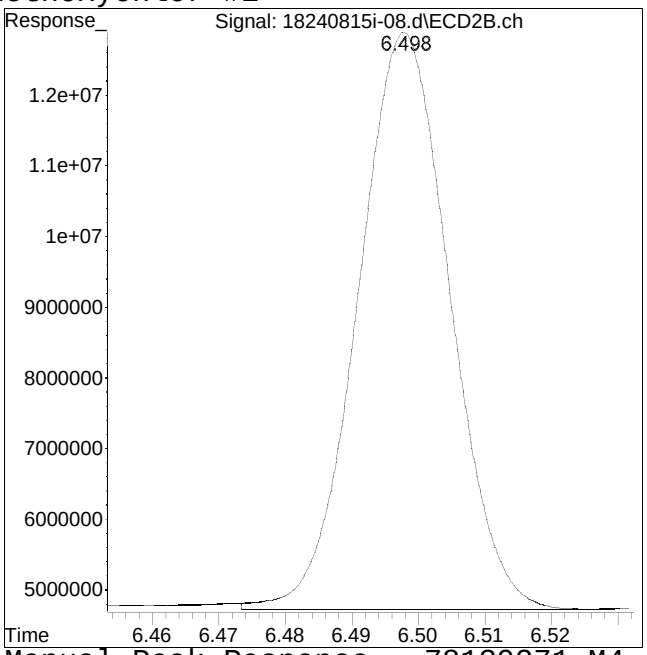
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #61: Methoxychlor #2



Original Peak Response = 78347640



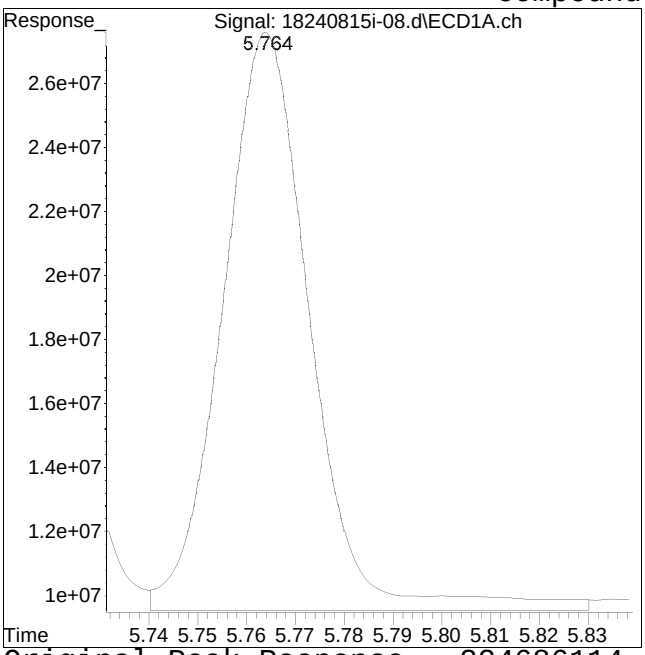
Manual Peak Response = 78139271 M4

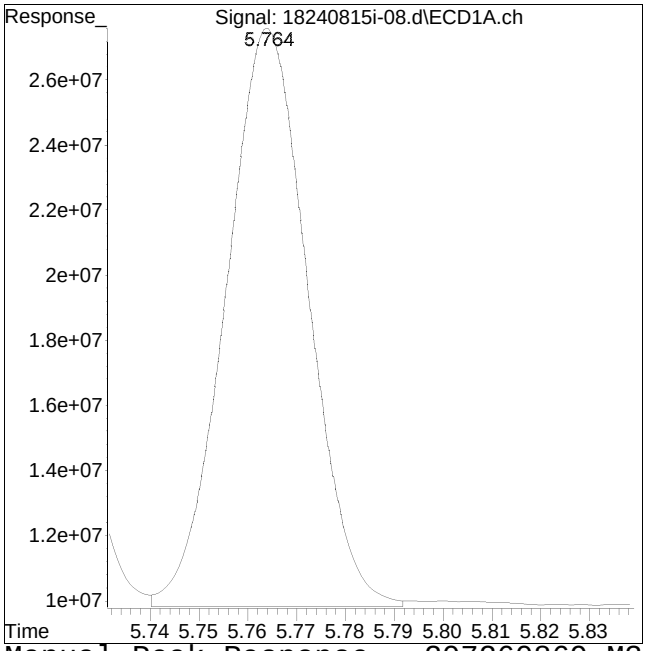
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #24: Mirex



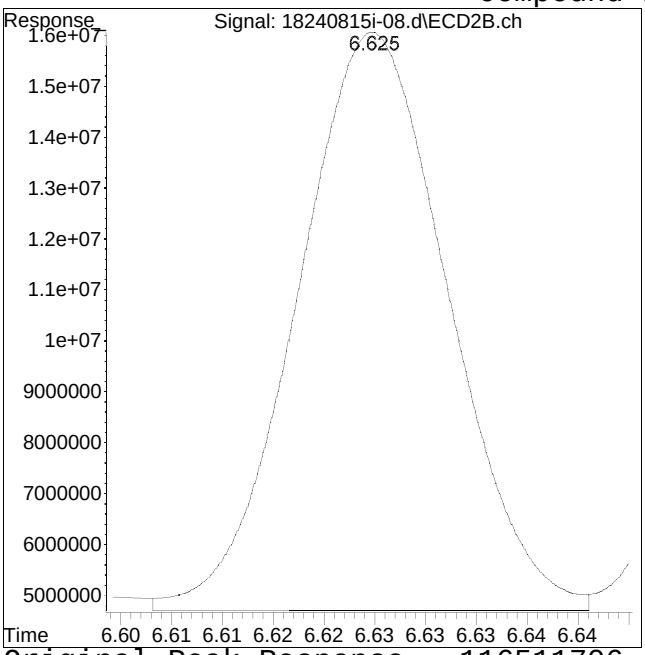


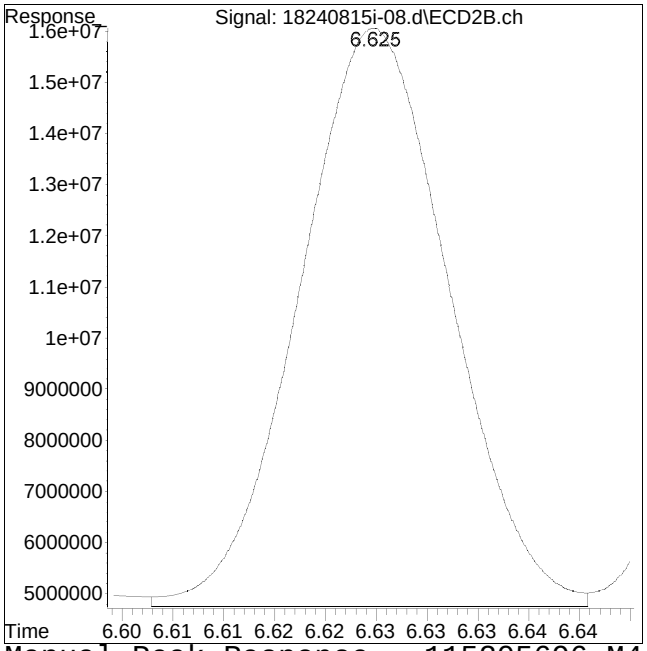
Original Peak Response = 224686114 Manual Peak Response = 207260869 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #62: Mirex #2



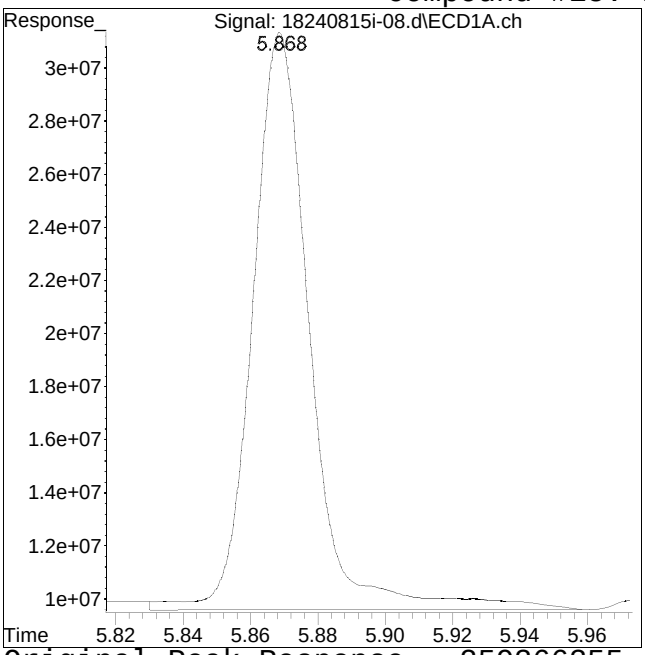


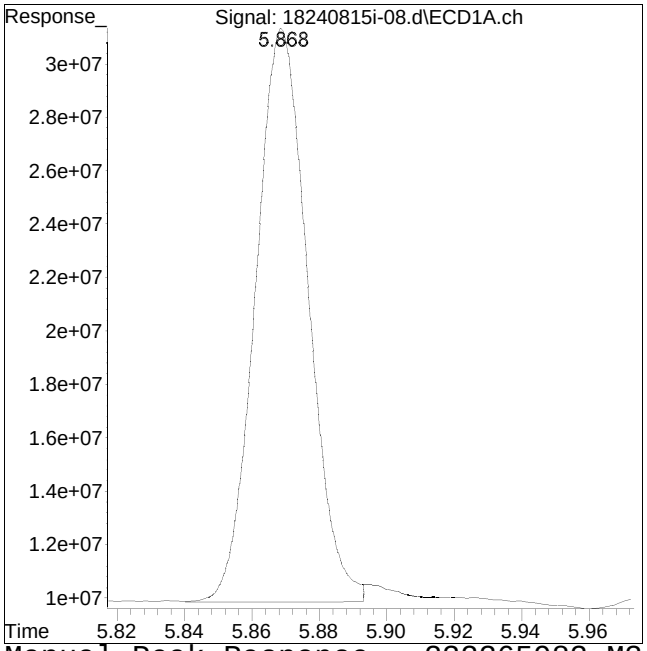
Original Peak Response = 116511706 Manual Peak Response = 115205696 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #25: Endosulfan Sulfate



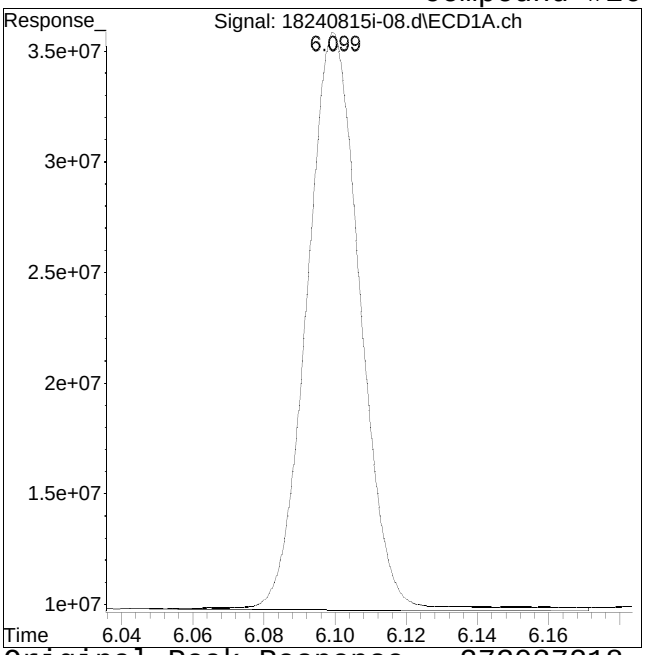


Original Peak Response = 259366355 Manual Peak Response = 232365983 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

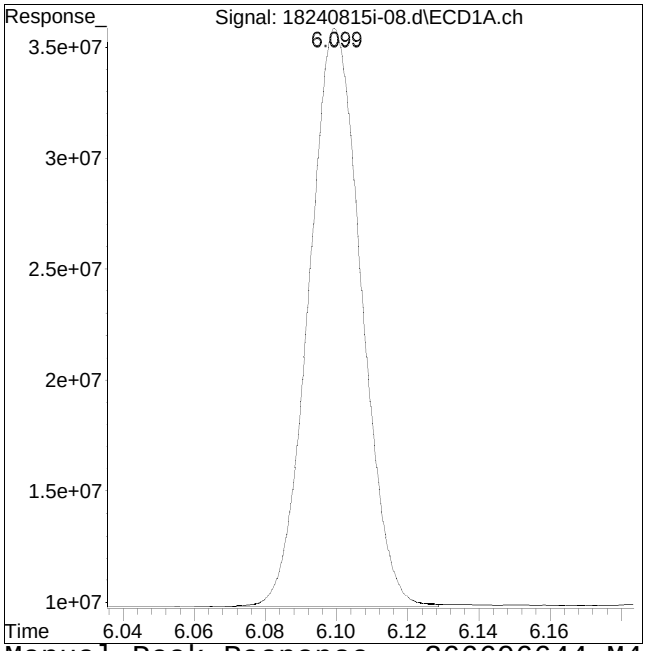
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #26: Endrin Ketone



Original Peak Response = 273037218



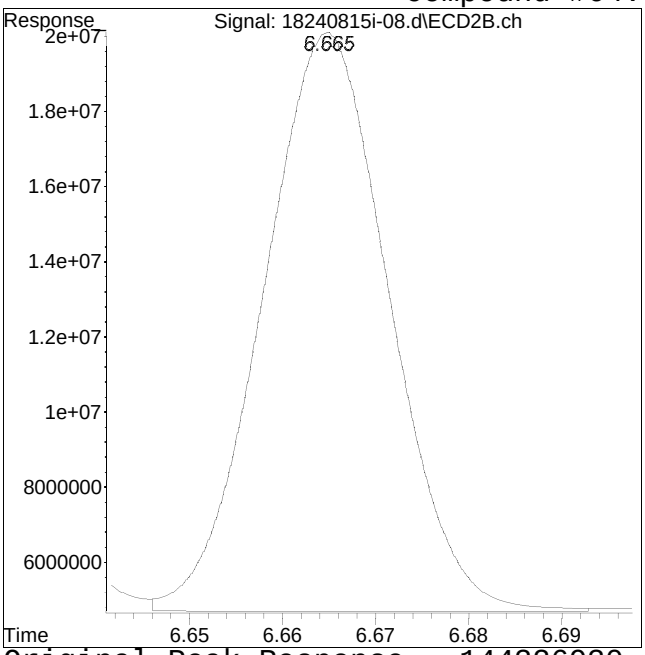
Manual Peak Response = 266606644 M4

M4 = Poor automated baseline construction.

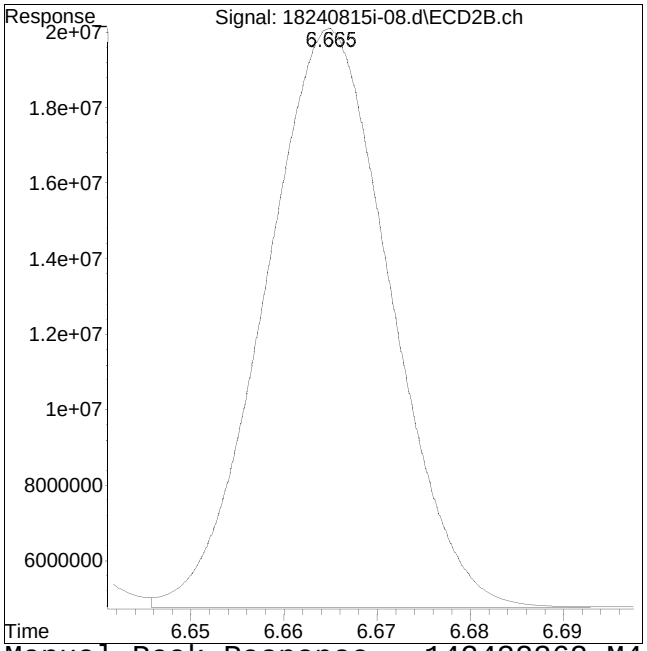
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #64: Endrin Ketone #2



Original Peak Response = 144326930



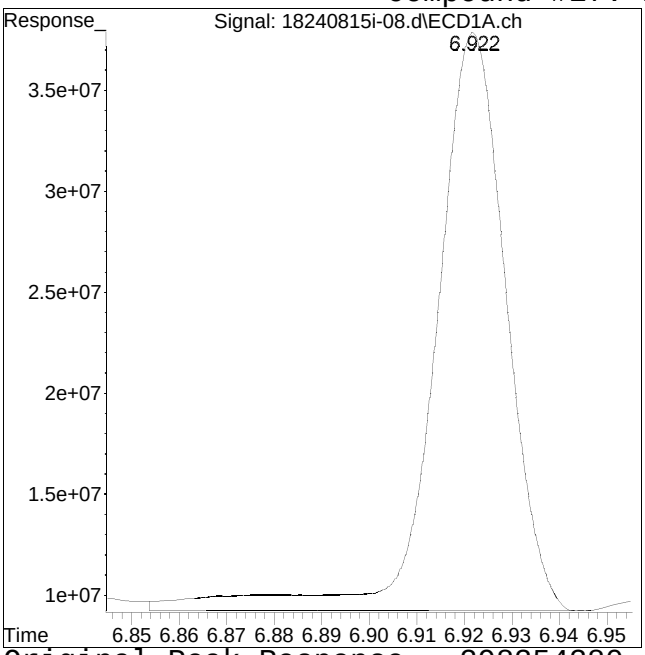
Manual Peak Response = 142432362 M4
M4 = Poor automated baseline construction.

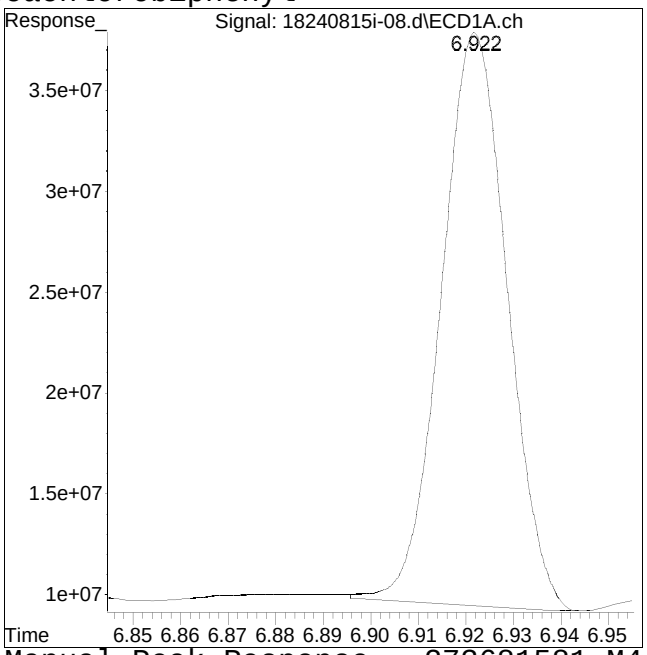
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-08.d
Date Inj'd : 8/15/2024 15:02
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 7:24 am

Compound #27: Decachlorobiphenyl



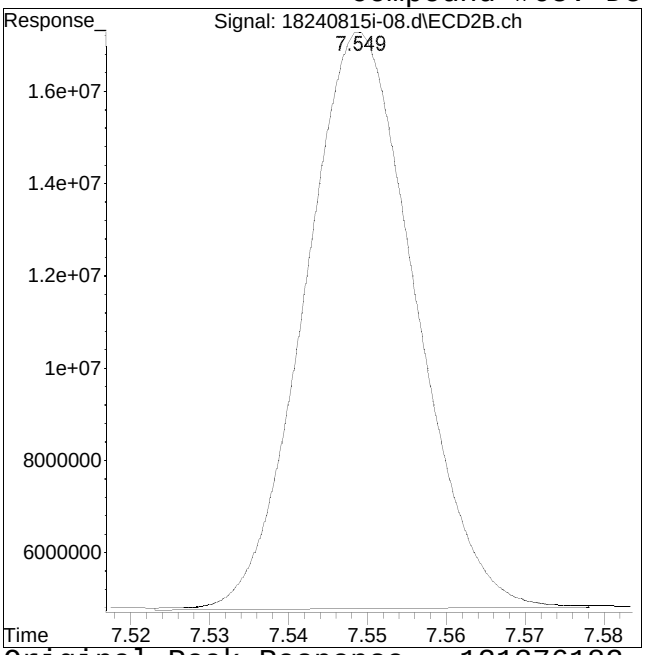


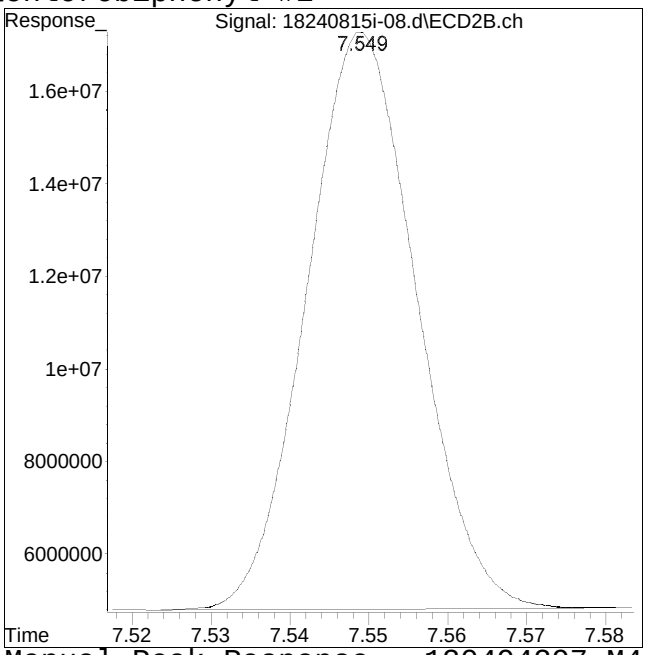
Original Peak Response = 298354380 Manual Peak Response = 273681581 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-08.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:02 Instrument : Pest 18
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/16/2024 7:24 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 121376182 Manual Peak Response = 120494297 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:14
Operator : PEST18:peg
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:00:31 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:00:17 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.683	1.784	560.6E6	340.2E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.117	2.339	1294.5E6	776.7E6	50.000M4	50.000M3
		Spiked Amount 50.000	Range 30 - 150		Recovery =		100.00%	100.00%
27)	s	Decachlorobi	6.922	7.550	1338.8E6	598.5E6	50.000M4	50.000M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		100.00%	100.00%
		Target Compounds						
3)		Hexachlorobe	2.358	2.683	1490.2E6	792.7E6	50.000M3	50.000M4
4)		alpha-BHC	2.469	2.787	1705.7E6	1081.1E6	50.000M4	50.000M4
5)		gamma-BHC (l	2.688	3.082	1525.8E6	967.8E6	50.000M3	50.000M4
6)		beta-BHC	2.752	3.155	668.1E6	429.4E6	50.000M4	50.000M4
7)		delta-BHC	2.885	3.425	1552.4E6	980.2E6	50.000M4	50.000M4
8)		Heptachlor	3.054	3.483	1435.1E6	881.8E6	50.000M4	50.000M4
9)		Aldrin	3.303	3.804	1430.0E6	897.8E6	50.000M4	50.000M4
10)		Alachlor	3.441	3.699	203.2E6	126.3E6	50.000M4	50.000M4
11)		Chlorpyrifos	3.536	4.055	630.3E6	406.1E6	50.000M4	50.000M3

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:14
Operator : PEST18:peg
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:00:31 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:00:17 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	3.862	4.423	1270.1E6	827.7E6	50.000M3	50.000M4
13)		gamma-Chlord	3.988	4.646	1219.0E6	759.8E6	50.000M4	50.000M4
14)		alpha-Chlord	4.125	4.821	1373.2E6	845.3E6	50.000M4	50.000
15)		4,4'-DDE	4.230	5.034	1413.3E6	867.5E6	50.000M4	50.000M4
16)		Endosulfan I	4.259	4.883	1242.8E6	786.8E6	50.000M4	50.000
17)		Dieldrin	4.522	5.189	1329.6E6	821.4E6	50.000M4	50.000M4
18)		Endrin	4.779	5.498	1334.4E6	809.7E6	50.000M4	50.000M4
19)		4,4'-DDD	4.904	5.633	1087.6E6	664.2E6	50.000M4	50.000M4
20)		Endosulfan I	5.032	5.706	1196.1E6	720.7E6	50.000M4	50.000M4
21)		4,4'-DDT	5.210	5.918	1223.2E6	728.1E6	50.000M4	50.000M4
22)		Endrin Aldeh	5.465	6.012	1004.3E6	598.3E6	50.000M3	50.000M4
23)		Methoxychlor	5.718	6.498	662.1E6	381.9E6	50.000M4	50.000M4
24)		Mirex	5.764	6.625	985.6E6	559.7E6	50.000M4	50.000M4
25)		Endosulfan S	5.868	6.246	1191.2E6	684.7E6	50.000M3	50.000M4
26)		Endrin Keton	6.099	6.665	1324.1E6	745.8E6	50.000M4	50.000M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:14
Operator : PEST18:peg
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:00:31 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:00:17 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

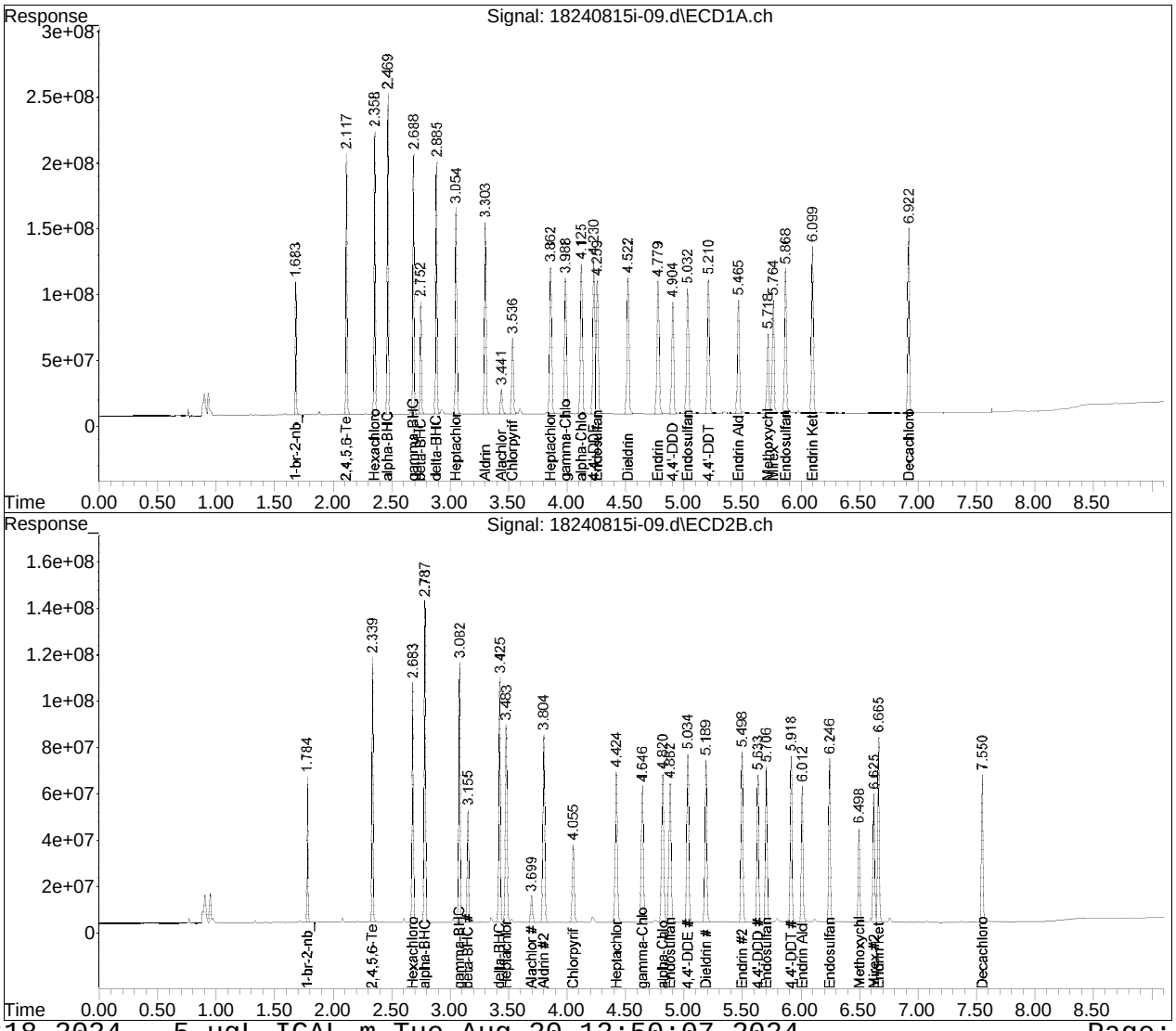
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:14
Operator : PEST18:peg
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:00:31 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:00:17 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

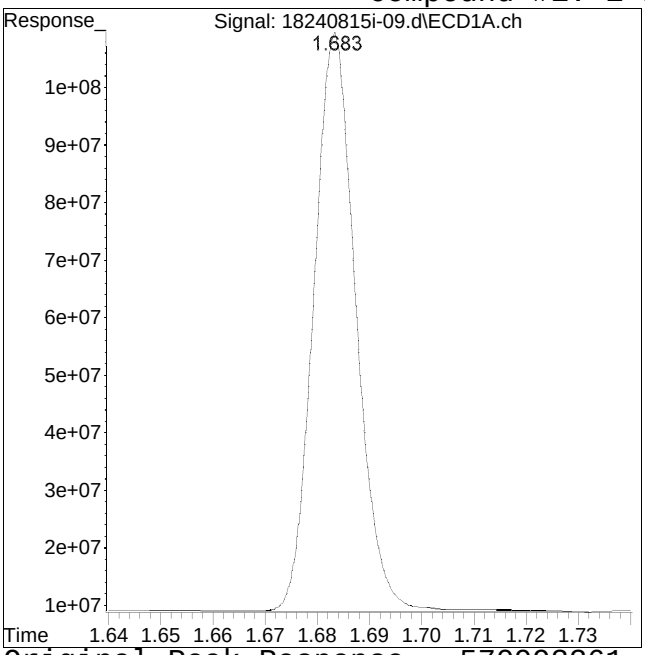


Manual Integration Report

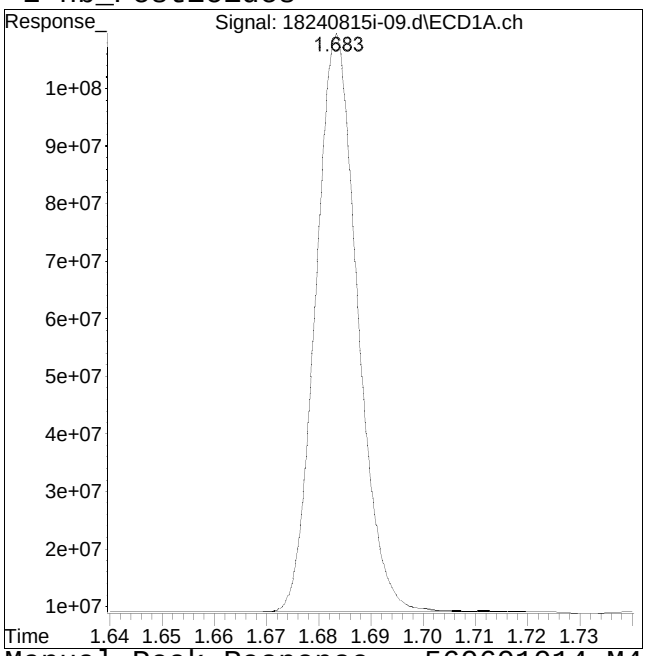
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-09.d
Date Inj'd : 8/15/2024 15:14
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:00 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 570993361



Manual Peak Response = 560601014 M4

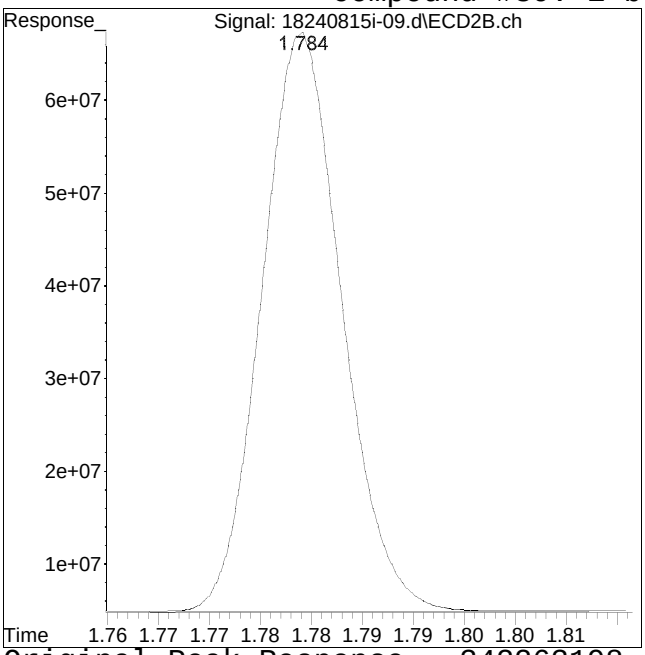
M4 = Poor automated baseline construction.

Manual Integration Report

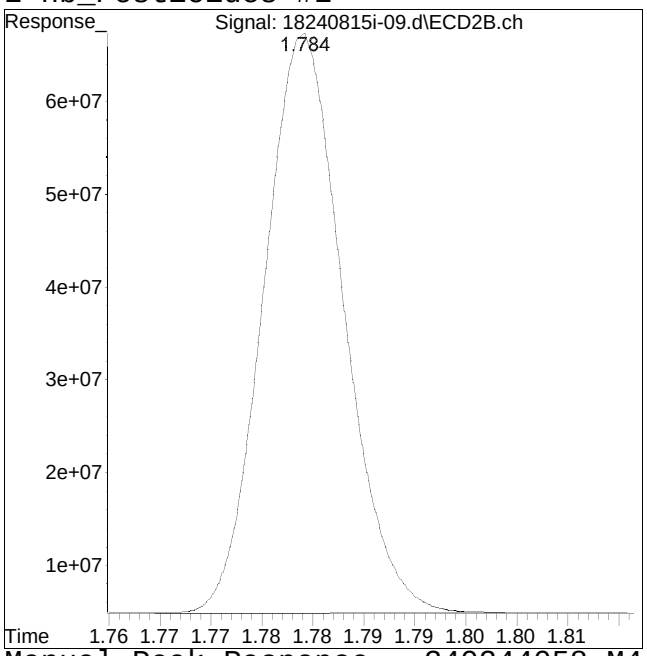
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-09.d
Date Inj'd : 8/15/2024 15:14
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:00 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 342263198



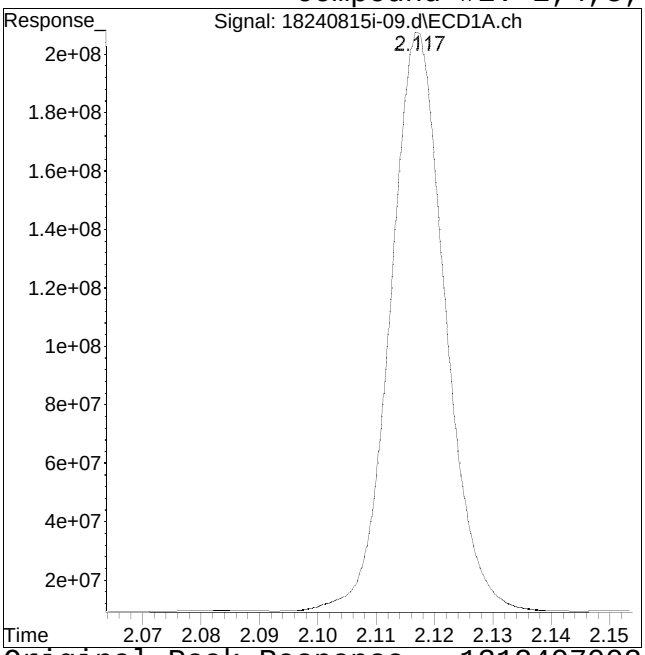
Manual Peak Response = 340244058 M4

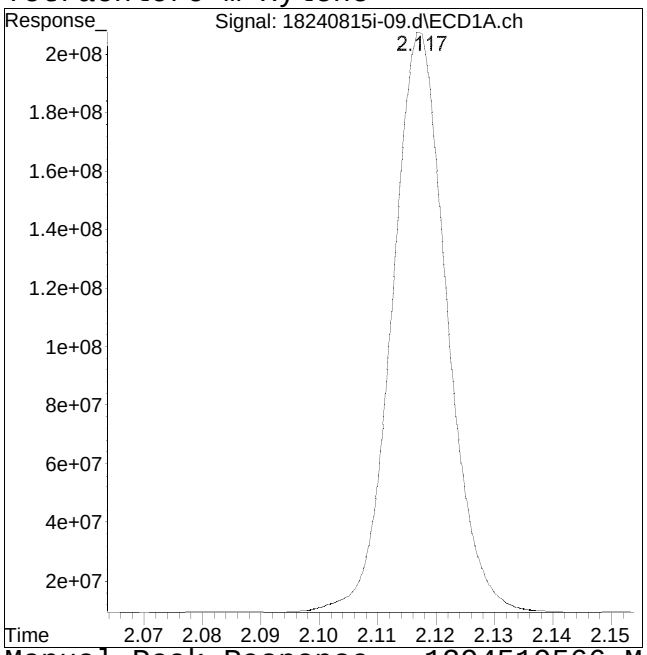
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



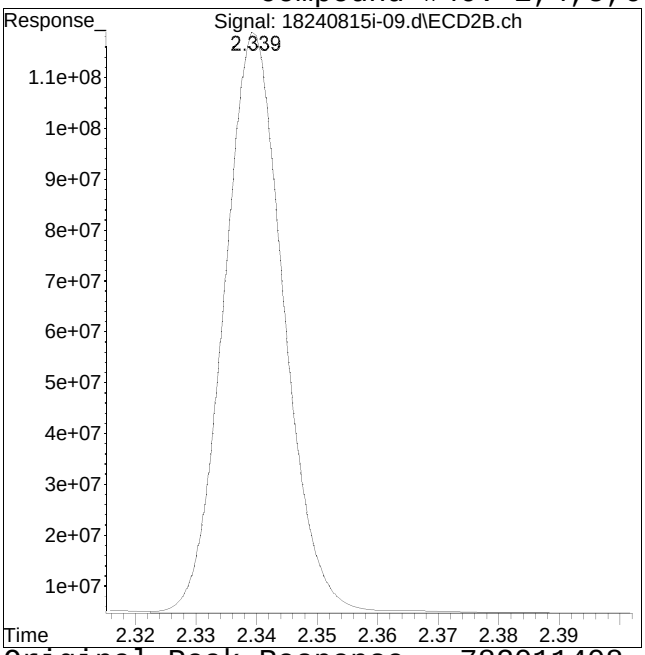


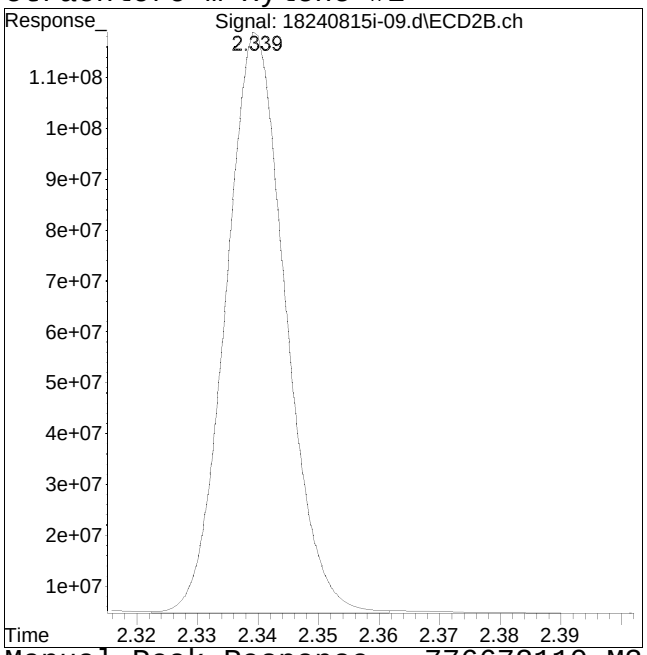
Original Peak Response = 1312407003 Manual Peak Response = 1294519566 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



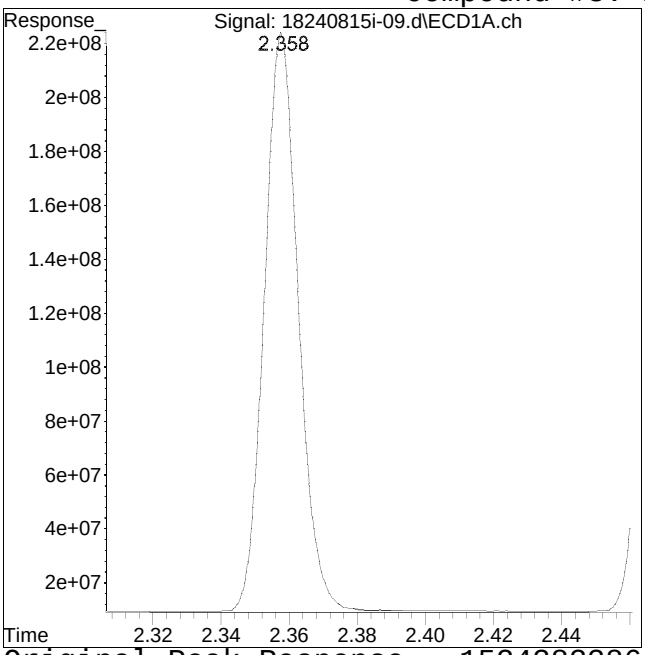


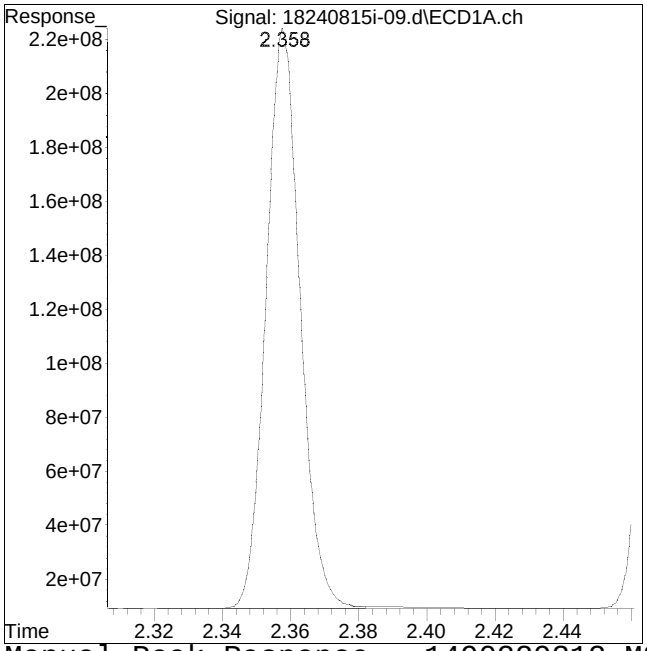
Original Peak Response = 782011408 Manual Peak Response = 776672110 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #3: Hexachlorobenzene



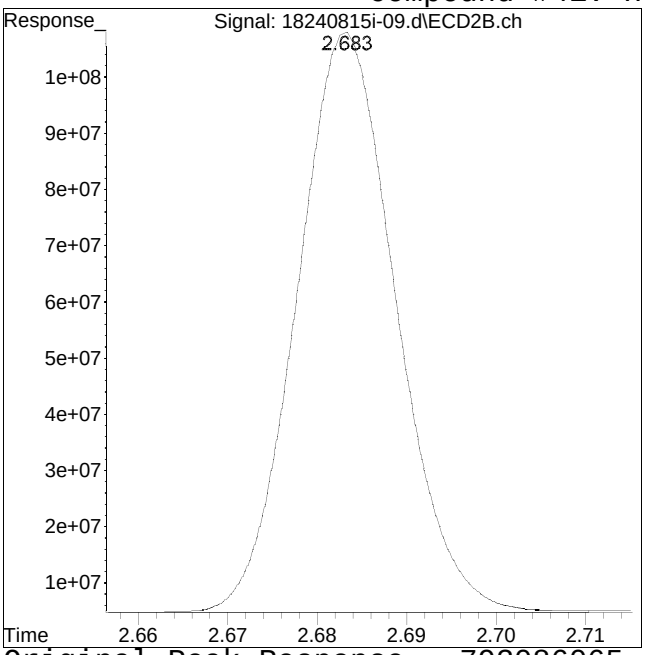


Original Peak Response = 1524383386 Manual Peak Response = 1490229312 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

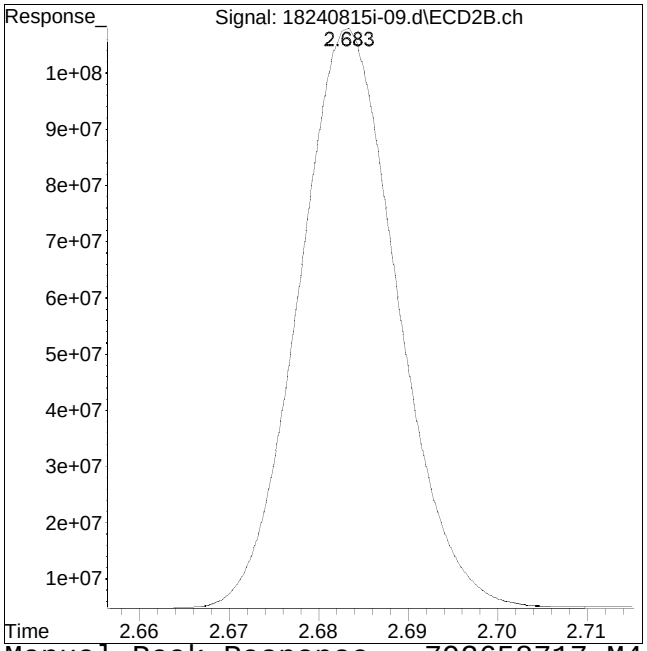
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 793086065



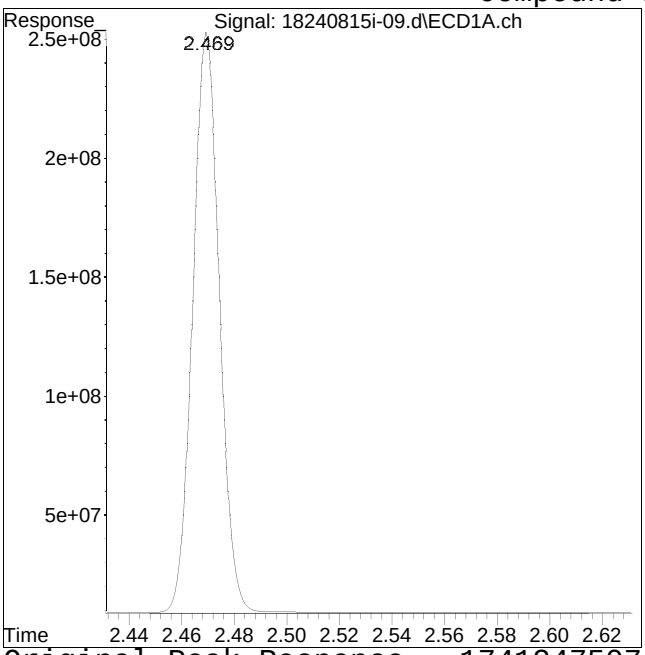
Manual Peak Response = 792658717 M4
M4 = Poor automated baseline construction.

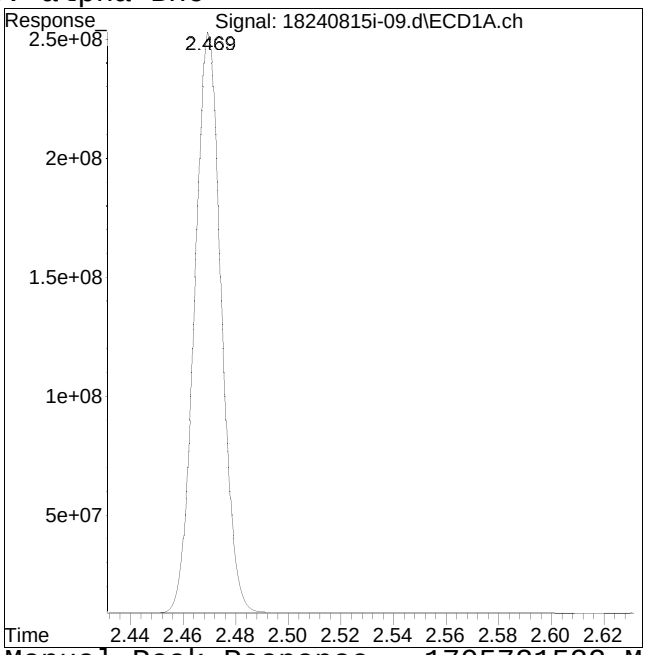
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-09.d
Date Inj'd : 8/15/2024 15:14
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:00 am

Compound #4: alpha-BHC



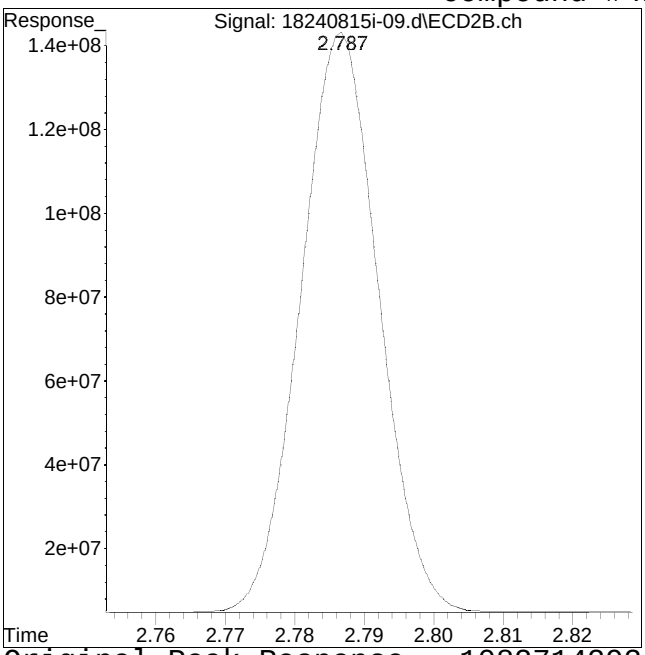


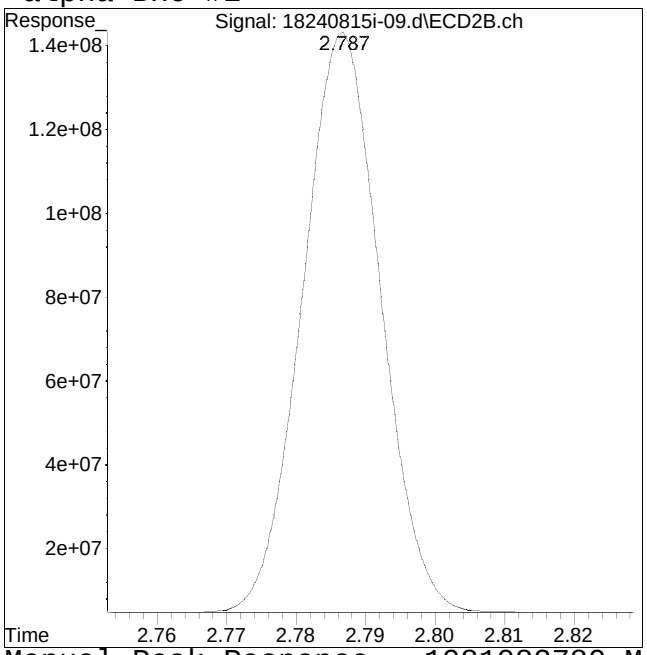
Original Peak Response = 1741247507 Manual Peak Response = 1705721522 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #42: alpha-BHC #2



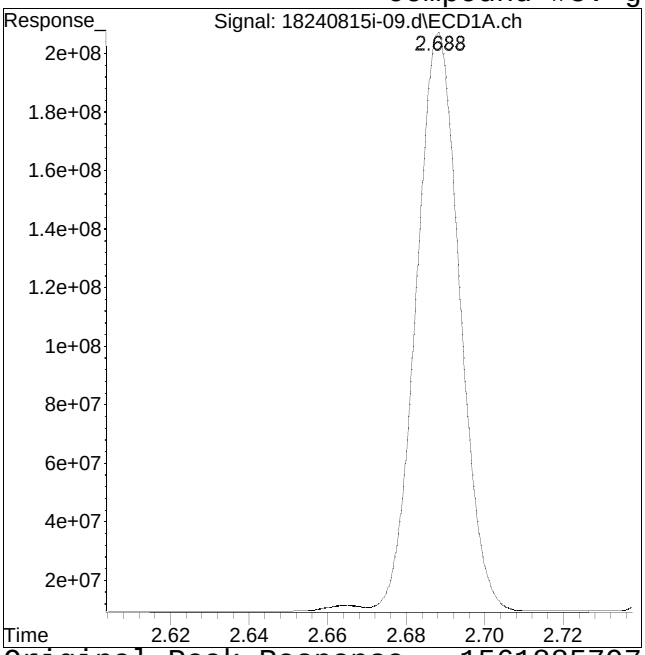


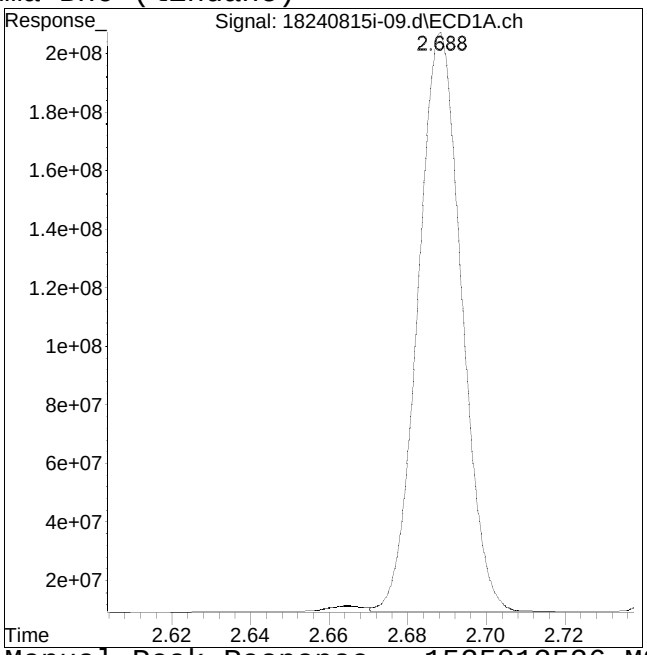
Original Peak Response = 1082714293 Manual Peak Response = 1081082780 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #5: gamma-BHC (lindane)



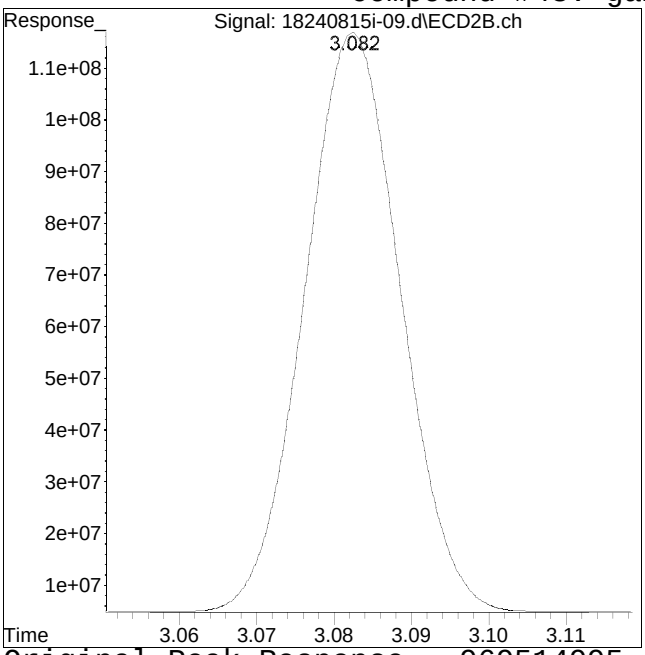


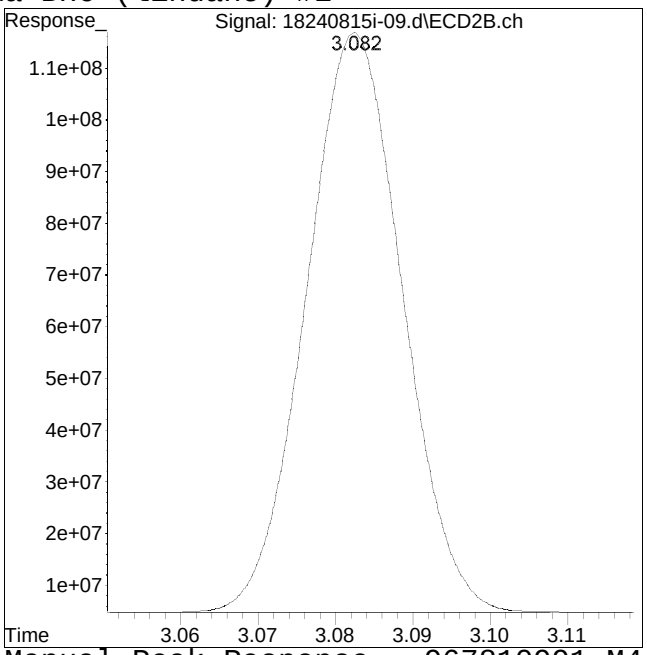
Original Peak Response = 1561885797 Manual Peak Response = 1525812526 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #43: gamma-BHC (lindane) #2



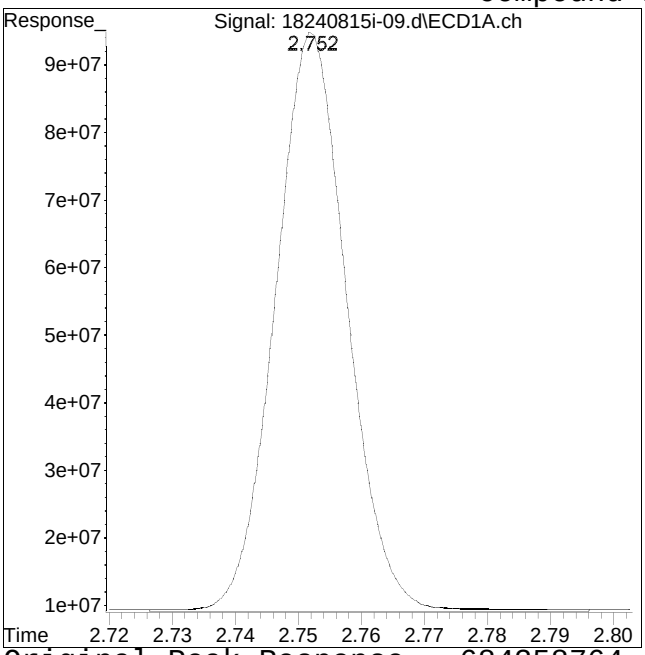


Original Peak Response = 969514995 Manual Peak Response = 967810991 M4
M4 = Poor automated baseline construction.

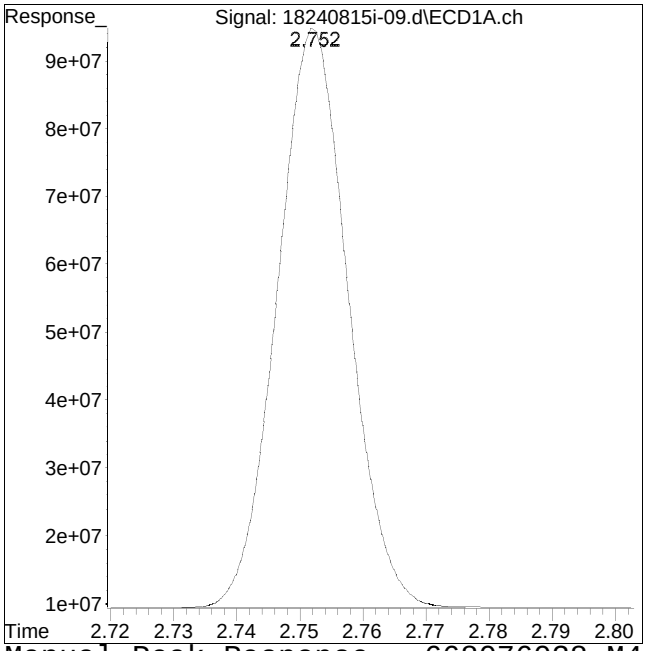
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #6: beta-BHC



Original Peak Response = 684358764

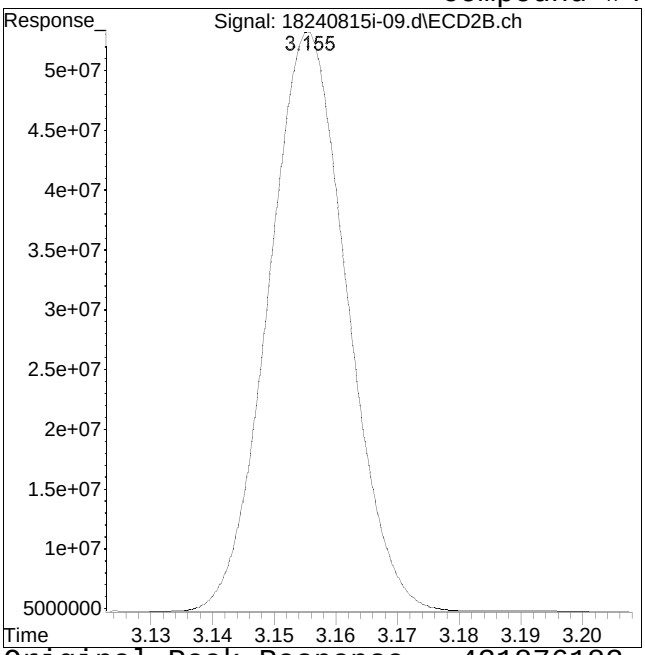


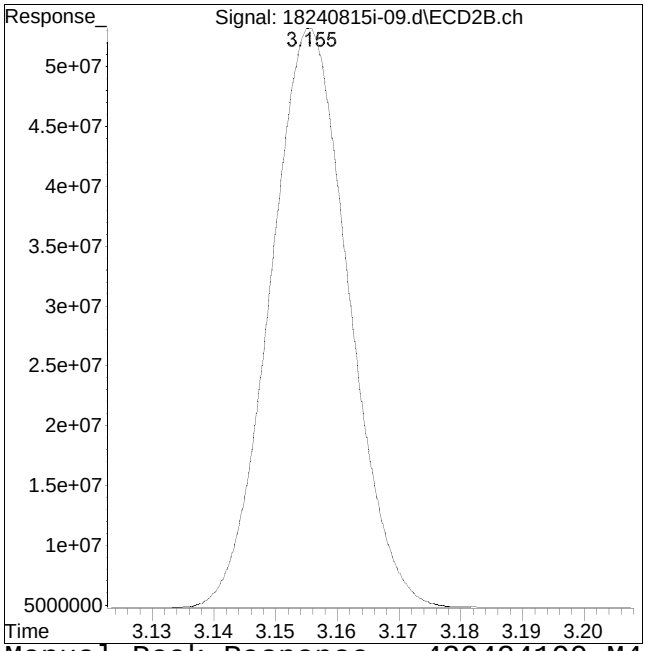
Manual Peak Response = 668076038 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #44: beta-BHC #2



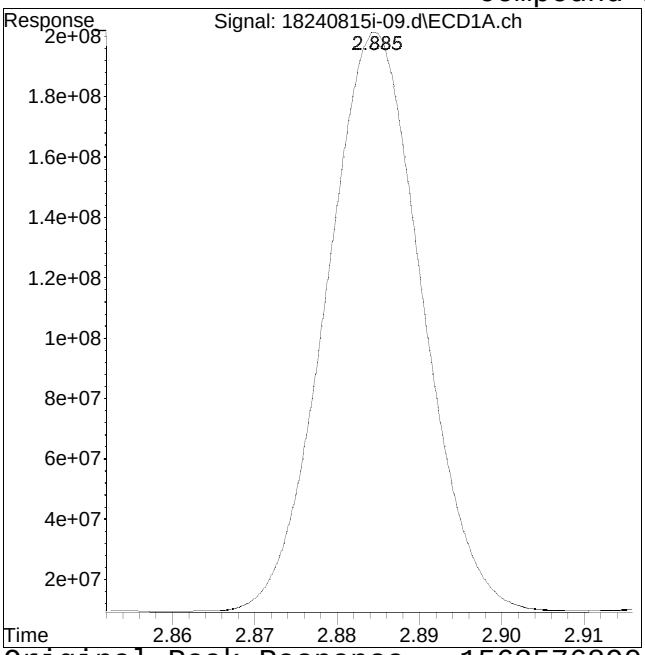


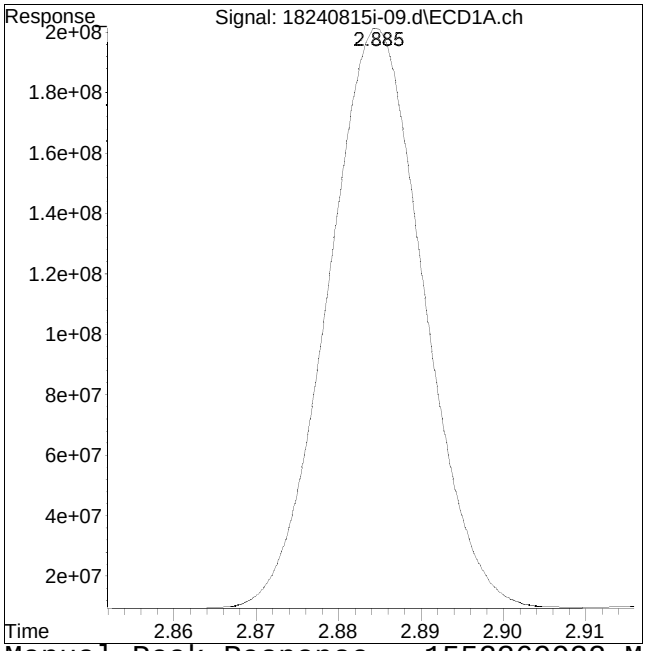
Original Peak Response = 431876183 Manual Peak Response = 429424190 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #7: delta-BHC



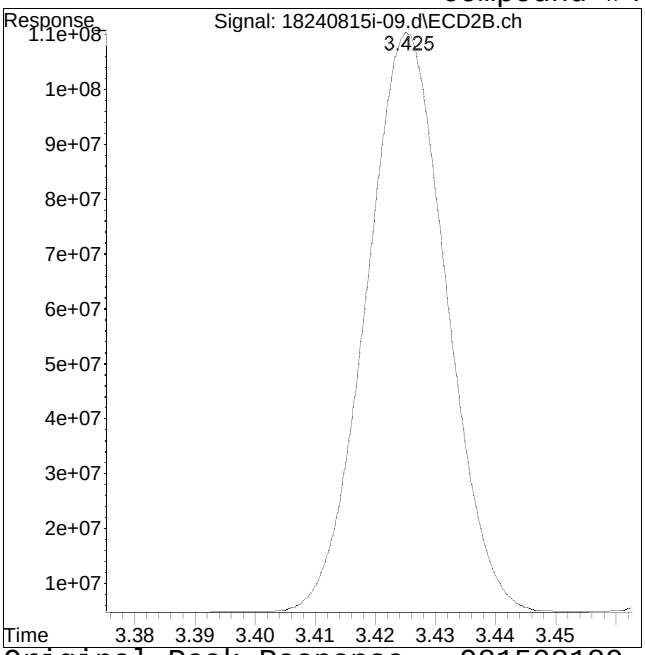


Original Peak Response = 1563576890 Manual Peak Response = 1552369932 M4
M4 = Poor automated baseline construction.

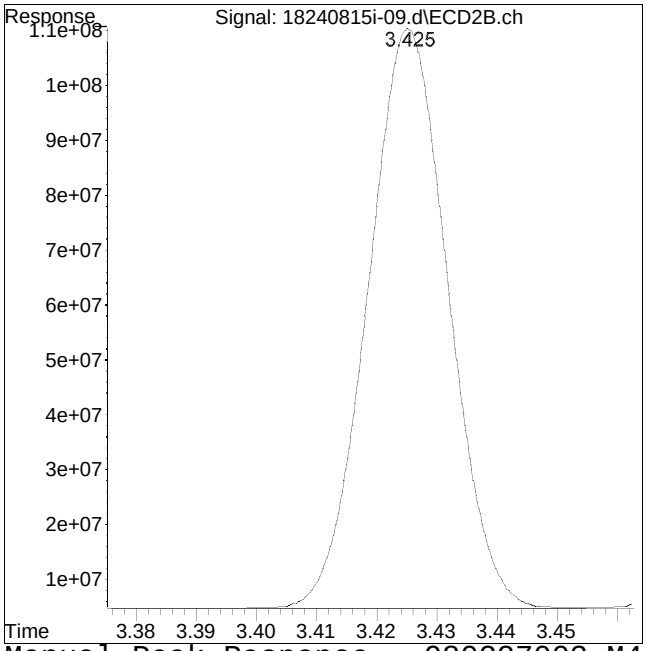
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #45: delta-BHC #2



Original Peak Response = 981502189

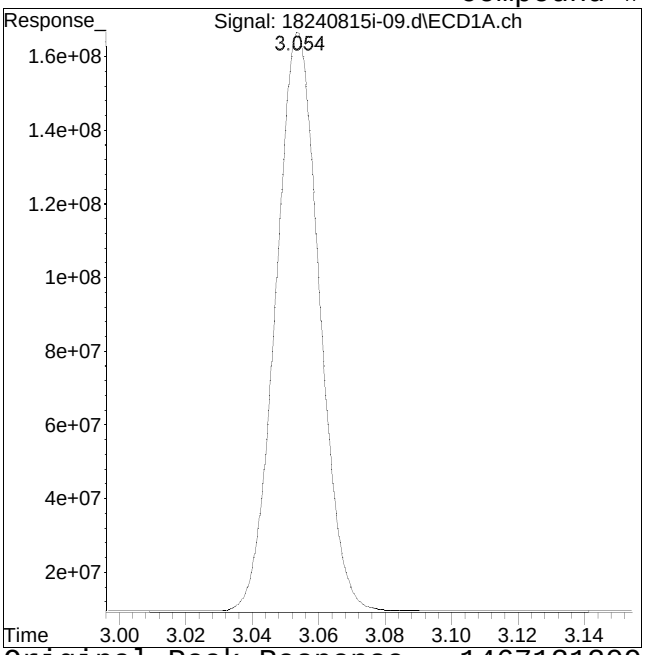


Manual Peak Response = 980227003 M4
M4 = Poor automated baseline construction.

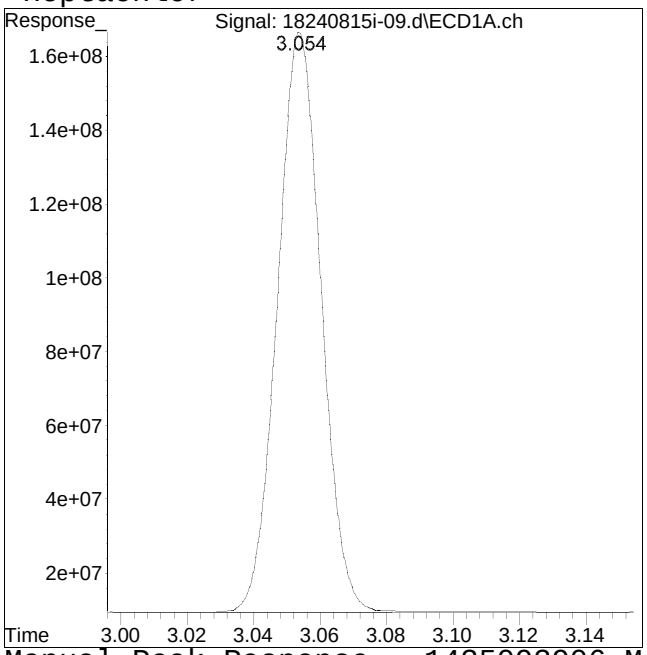
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #8: Heptachlor



Original Peak Response = 1467121209

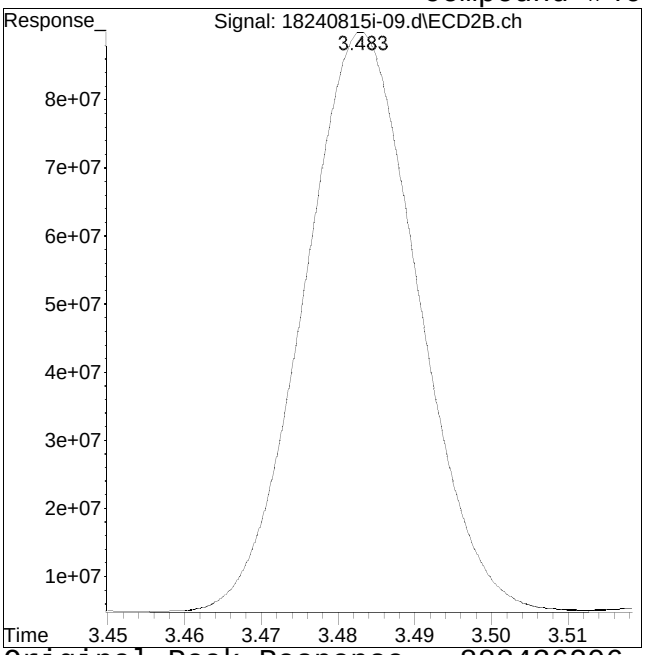


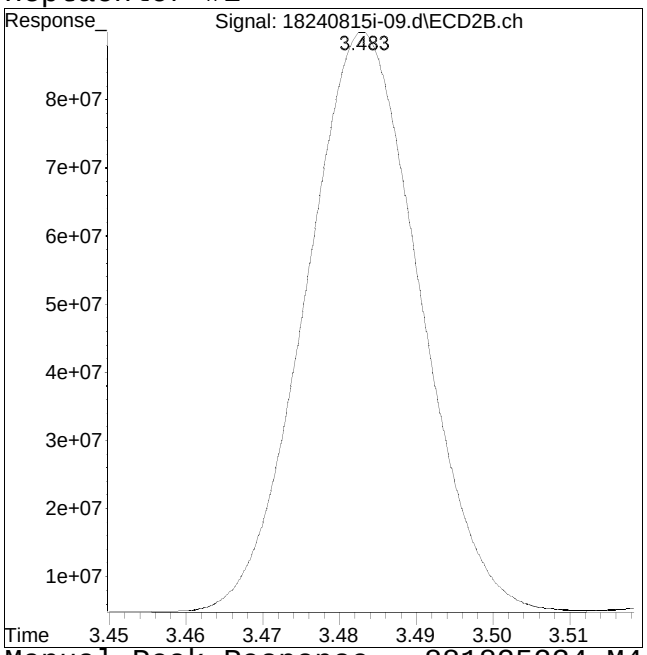
Manual Peak Response = 1435093906 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #46: Heptachlor #2



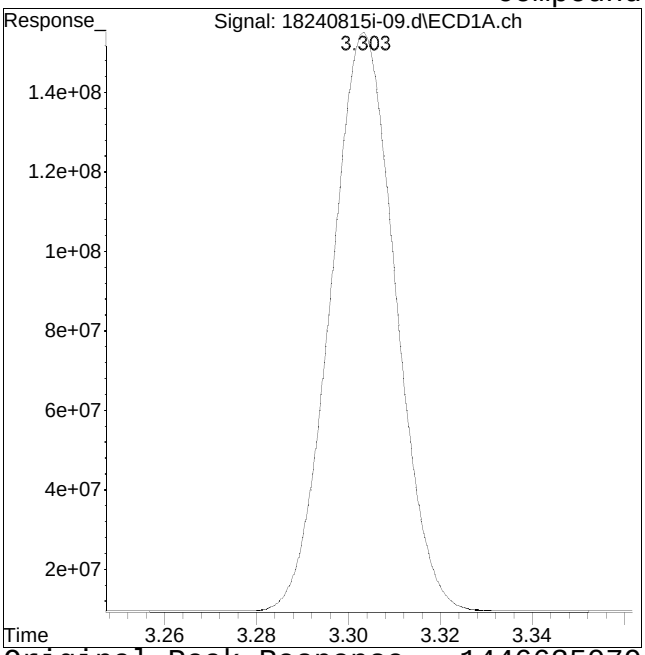


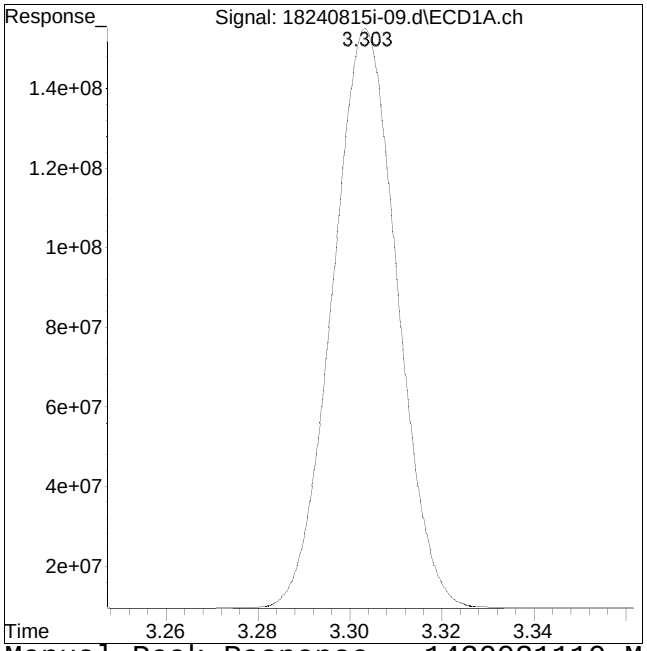
Original Peak Response = 883436206 Manual Peak Response = 881825234 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #9: Aldrin



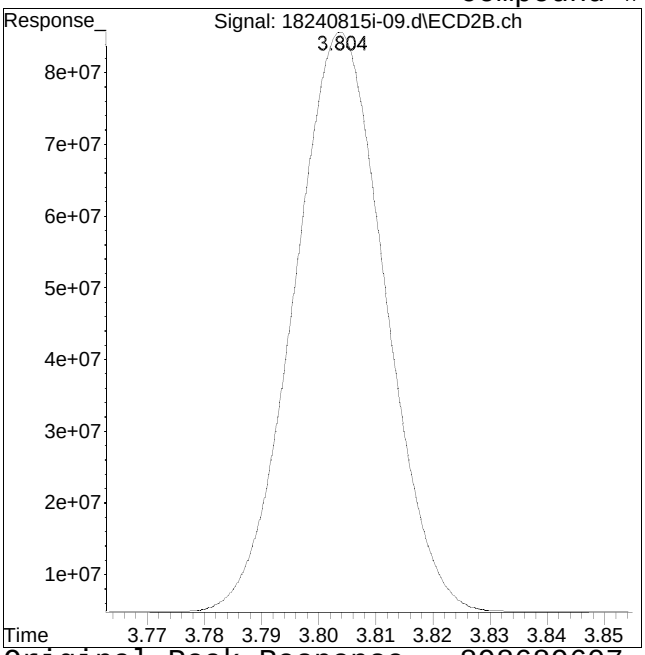


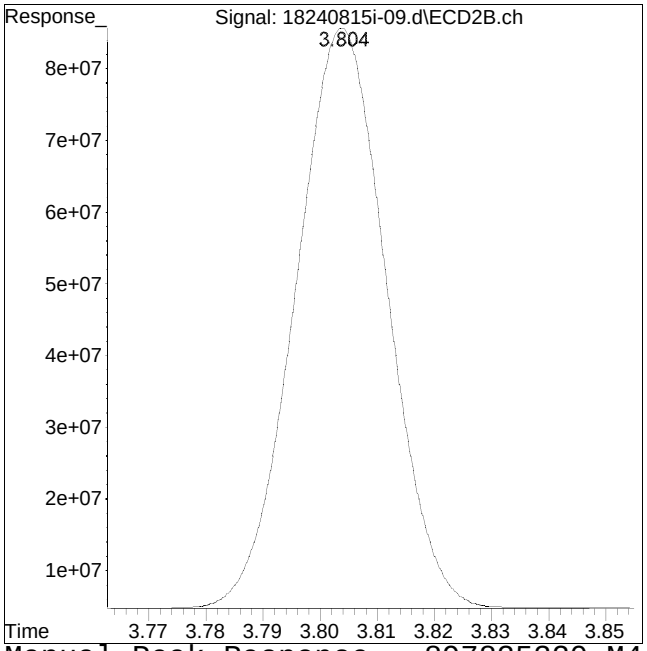
Original Peak Response = 1446635079 Manual Peak Response = 1430031110 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #47: Aldrin #2



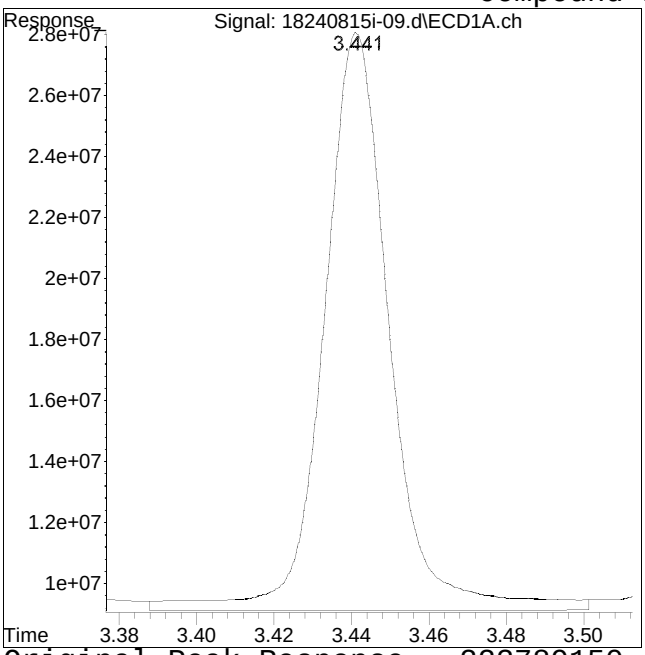


Original Peak Response = 898689607 Manual Peak Response = 897835320 M4
M4 = Poor automated baseline construction.

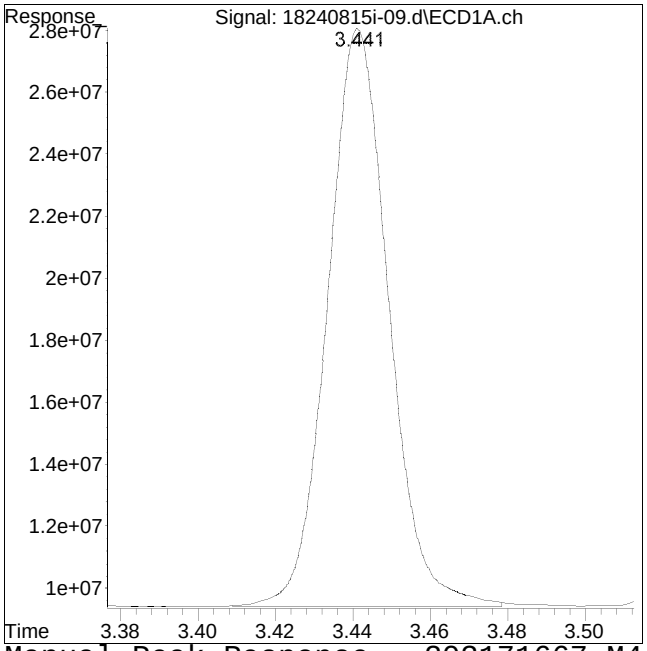
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #10: Alachlor



Original Peak Response = 223789150



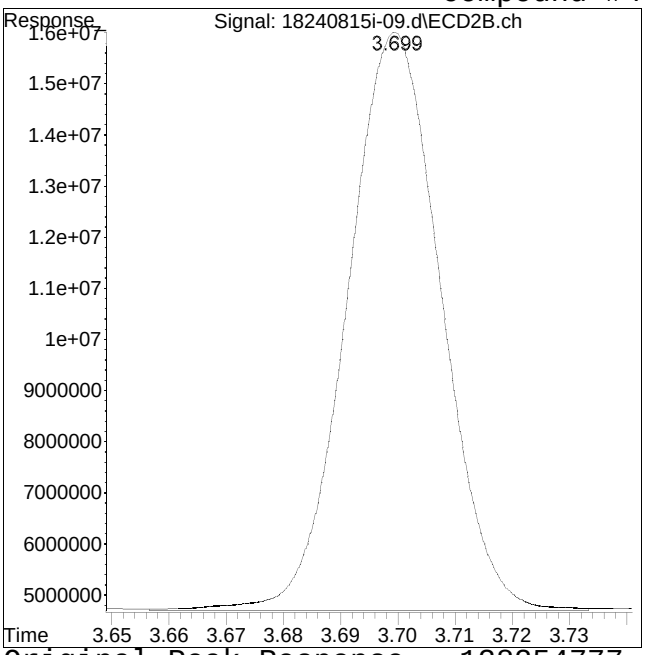
Manual Peak Response = 203171667 M4

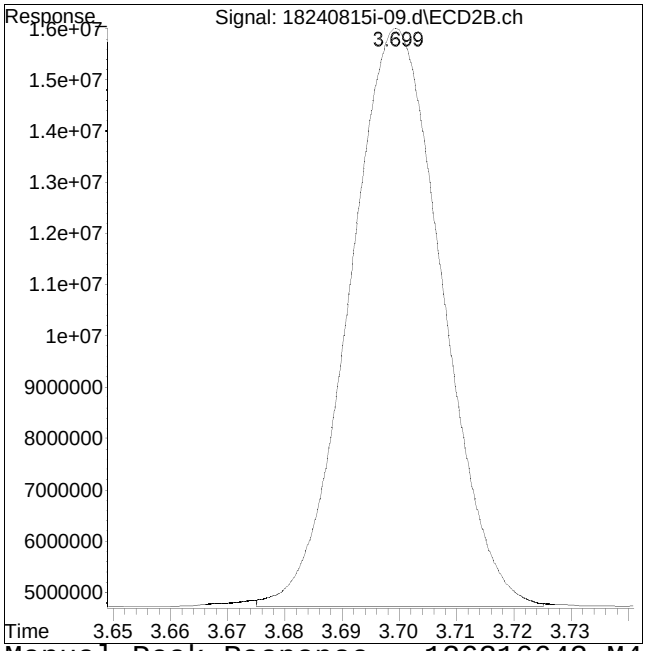
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #48: Alachlor #2



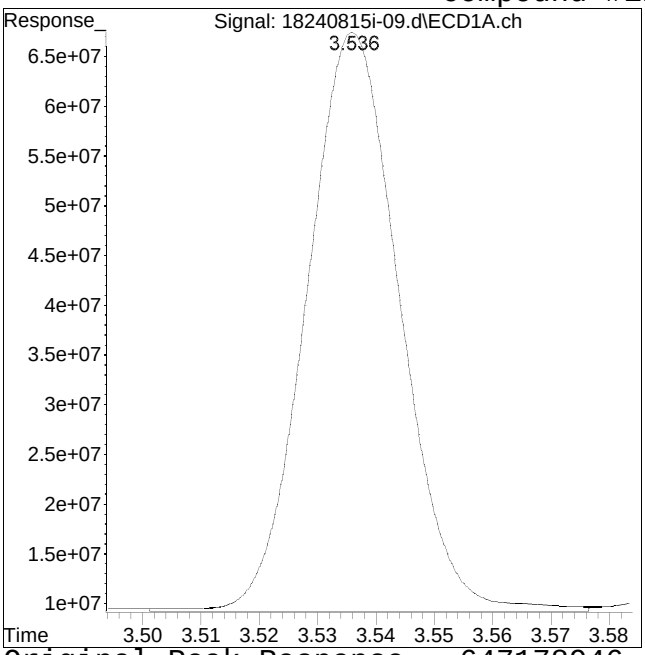


Original Peak Response = 128254777 Manual Peak Response = 126316643 M4
M4 = Poor automated baseline construction.

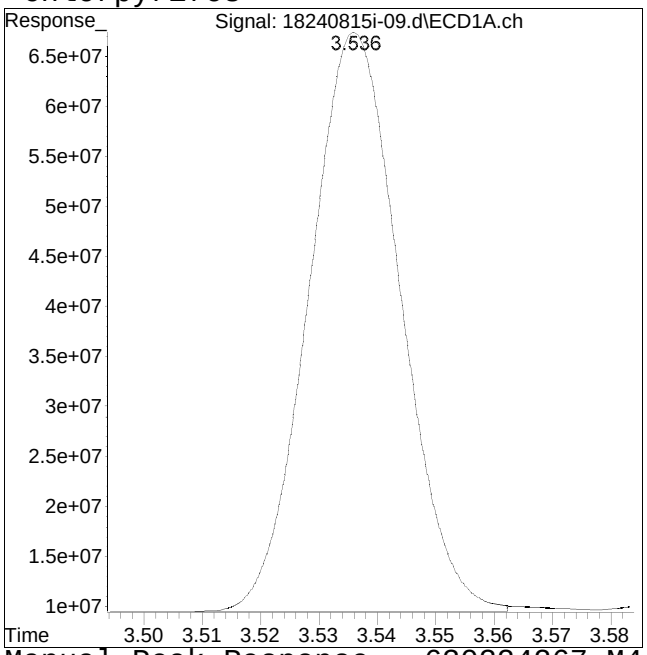
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #11: Chlorpyrifos



Original Peak Response = 647178946

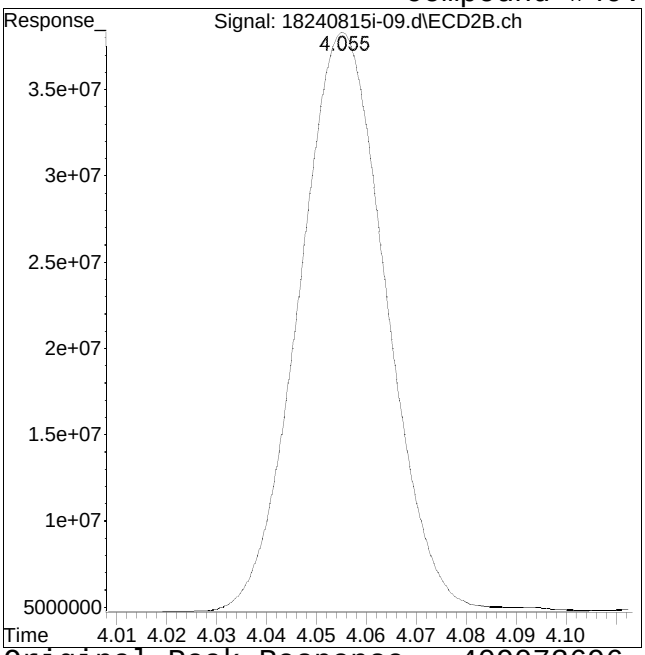


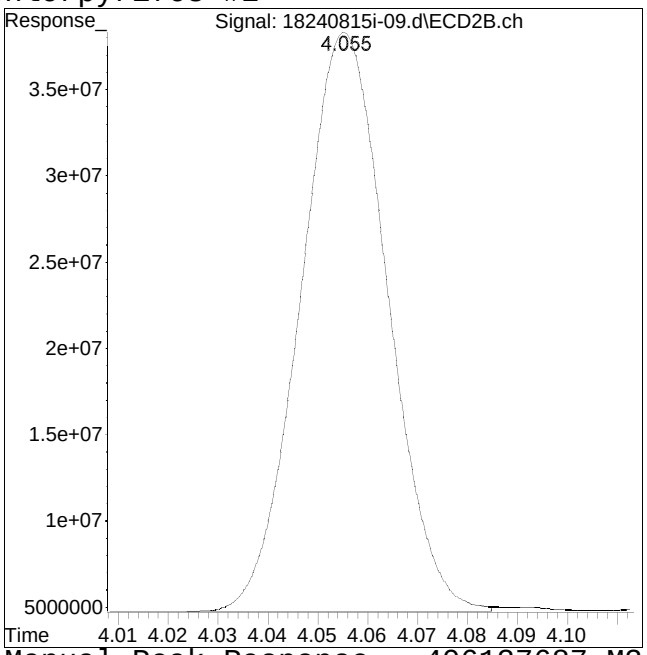
Manual Peak Response = 630324267 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #49: Chlorpyrifos #2



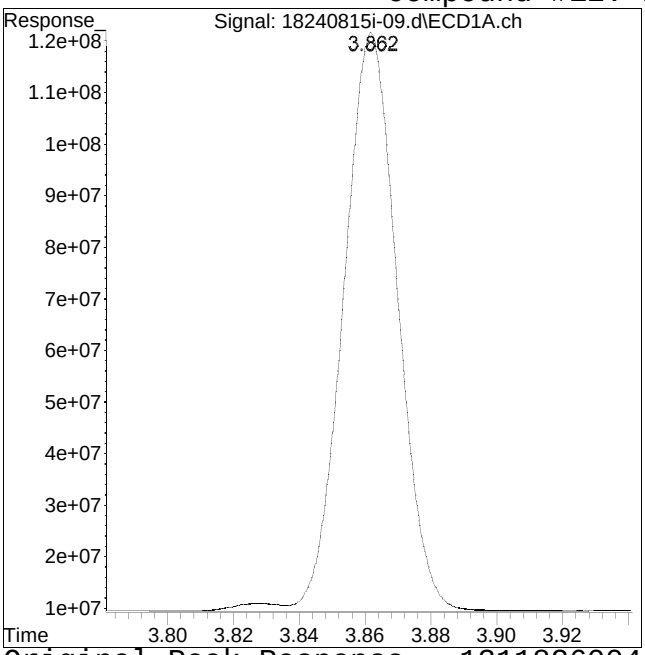


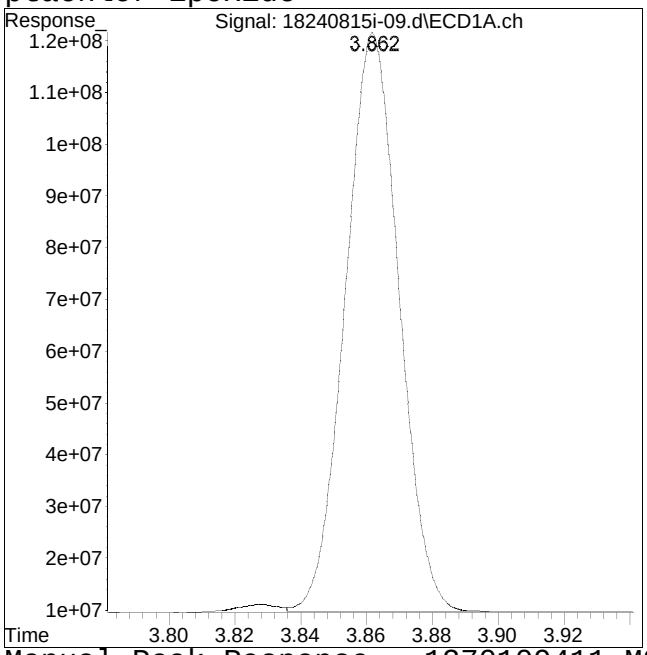
Original Peak Response = 409073696 Manual Peak Response = 406137687 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #12: Heptachlor Epoxide



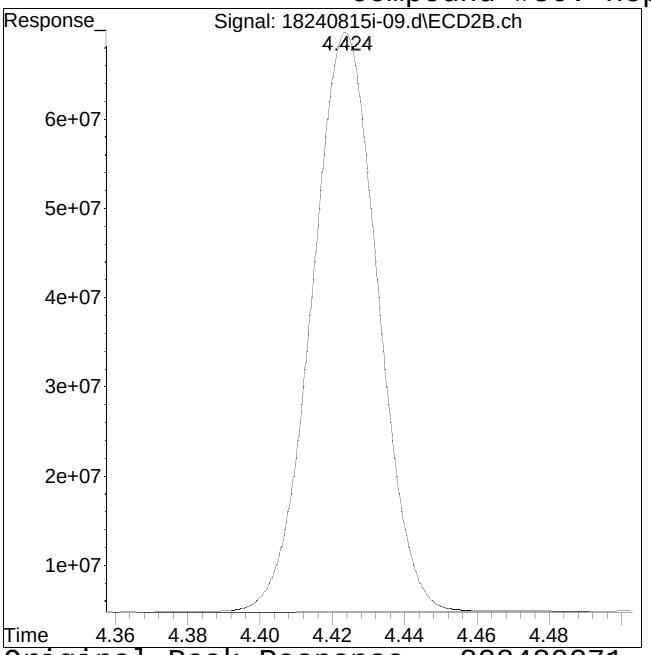


Original Peak Response = 1311826004 Manual Peak Response = 1270109411 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

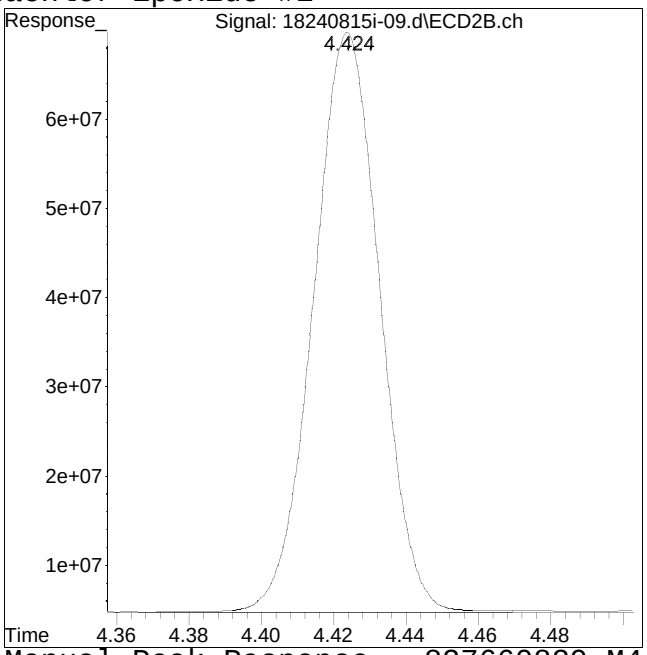
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 828489271



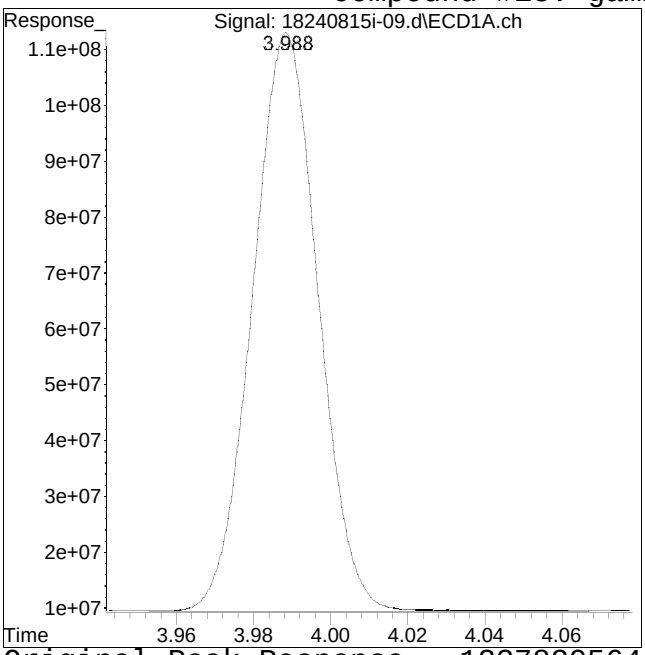
Manual Peak Response = 827660829 M4

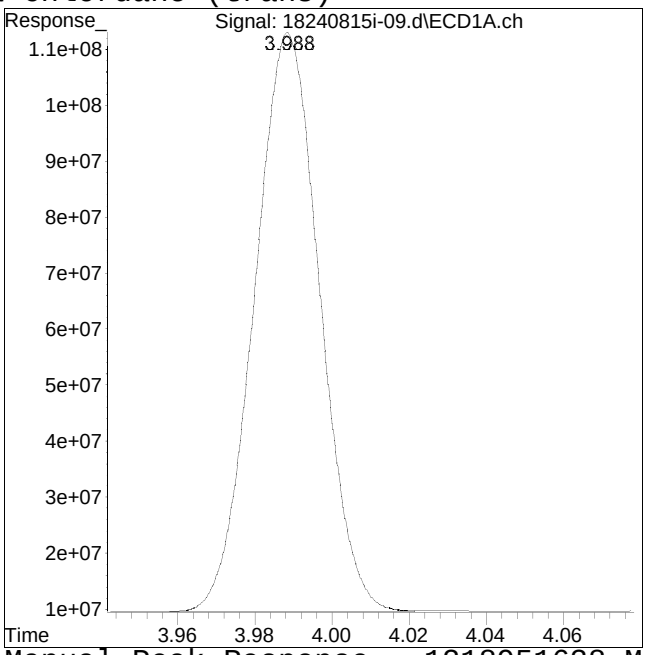
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #13: gamma-Chlordane (trans)



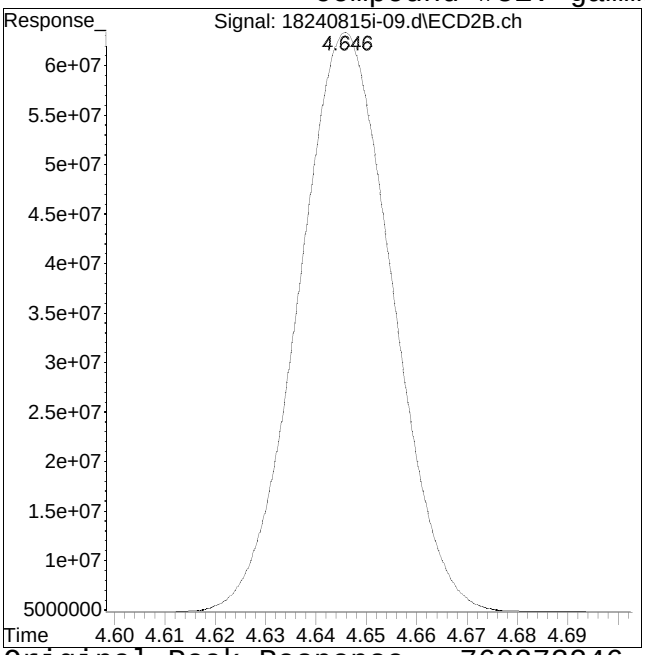


Original Peak Response = 1237829564 Manual Peak Response = 1218951638 M4
M4 = Poor automated baseline construction.

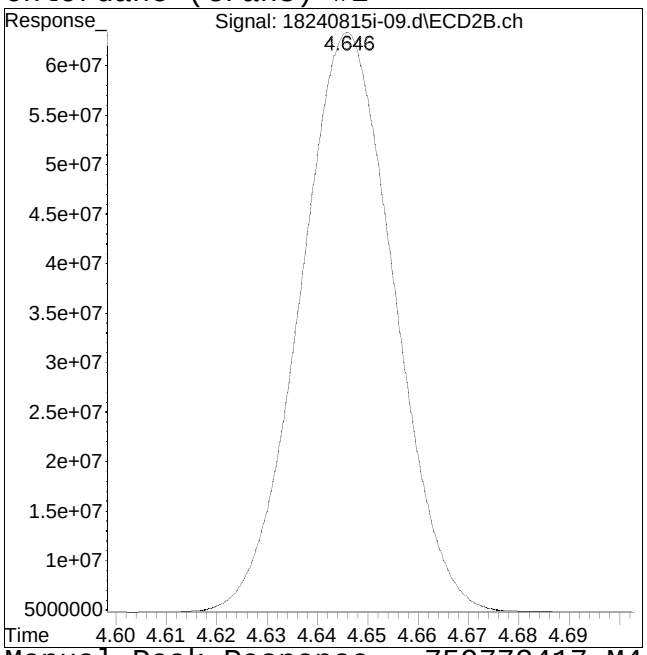
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 760273246



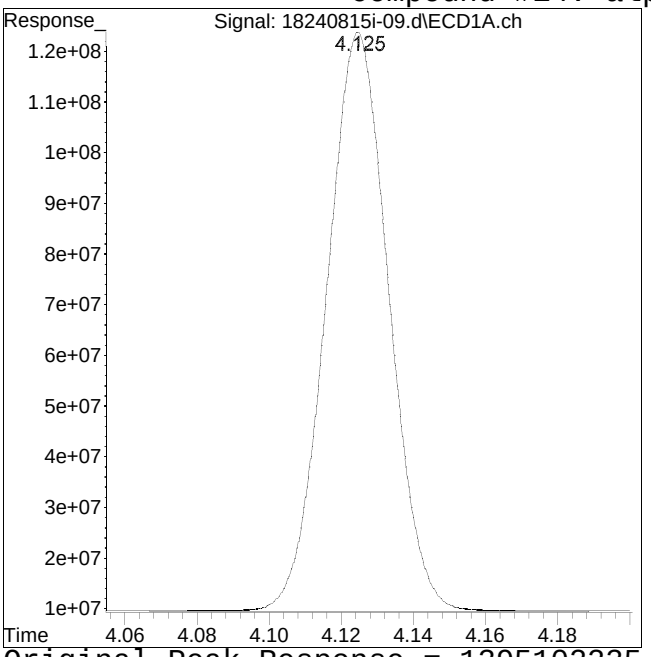
Manual Peak Response = 759772417 M4

M4 = Poor automated baseline construction.

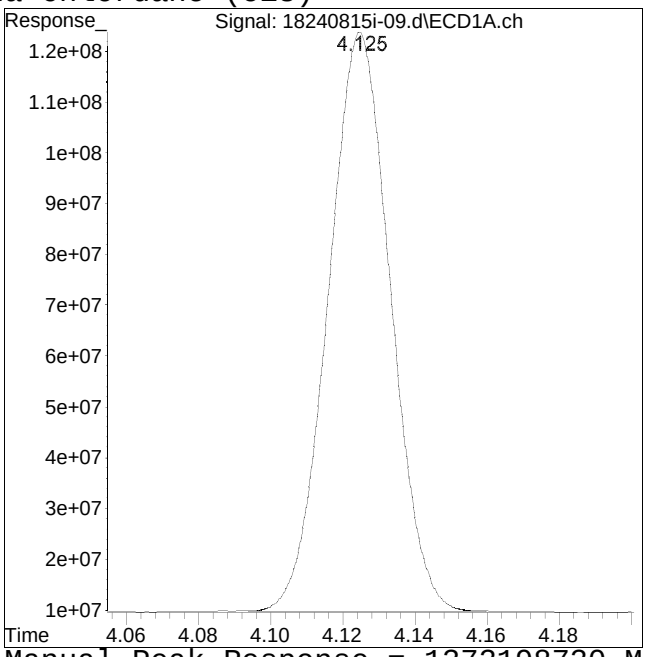
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 1395102235



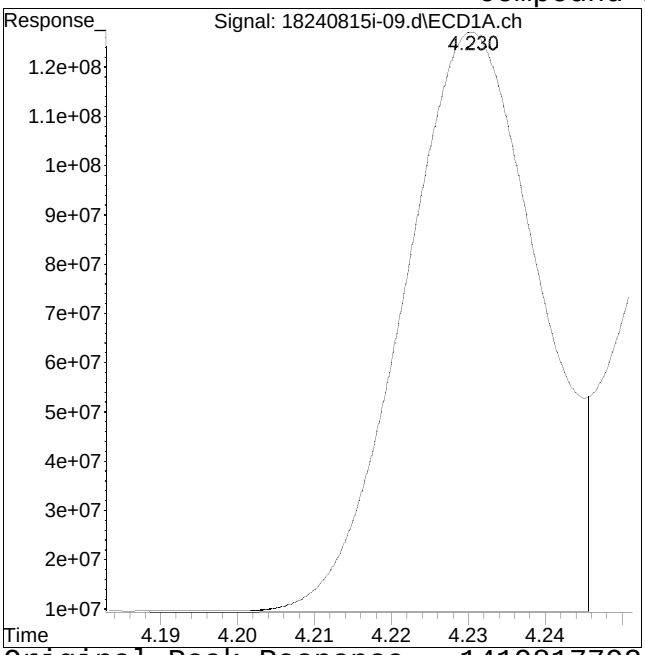
Manual Peak Response = 1373198730 M4

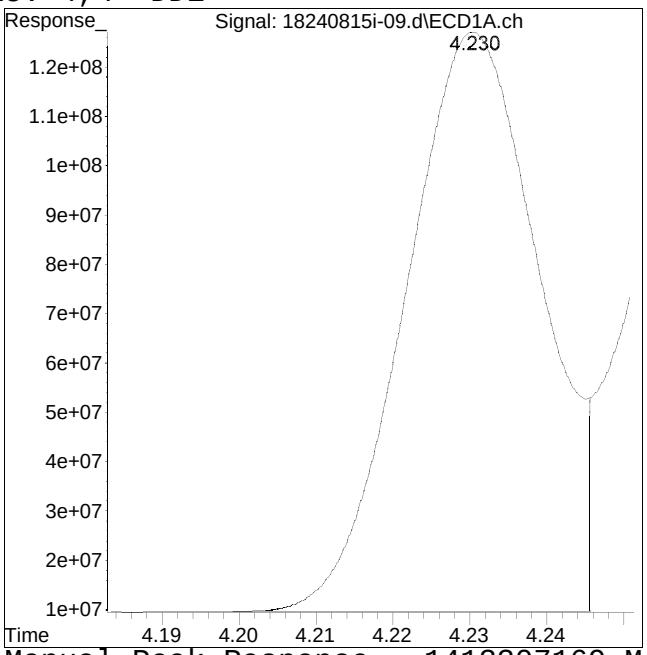
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #15: 4,4'-DDE



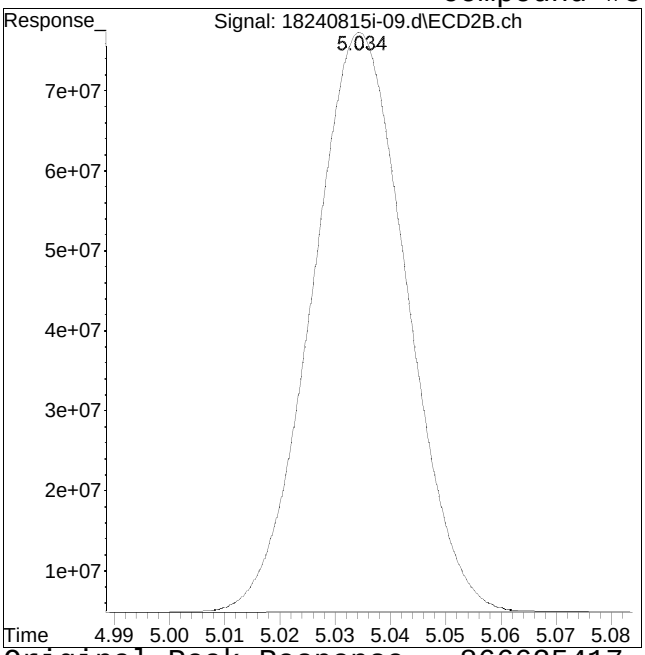


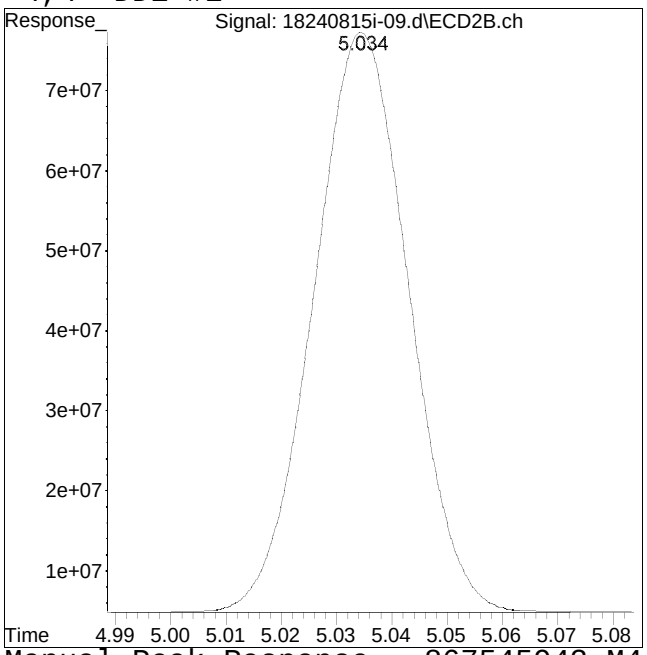
Original Peak Response = 1419817792 Manual Peak Response = 1413307169 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #53: 4,4'-DDE #2



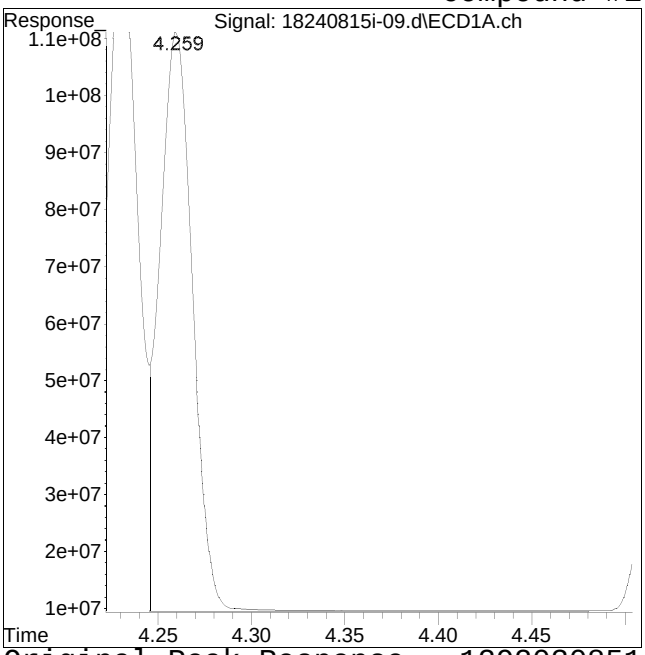


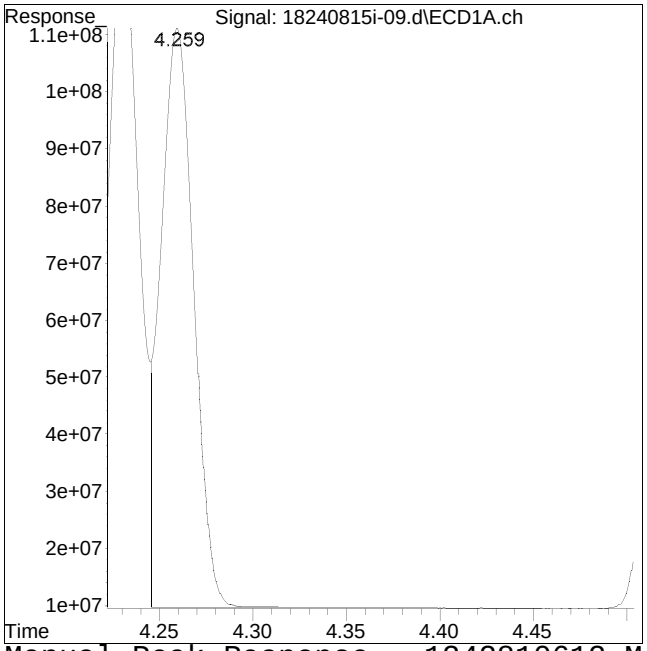
Original Peak Response = 866625417 Manual Peak Response = 867545943 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #16: Endosulfan I



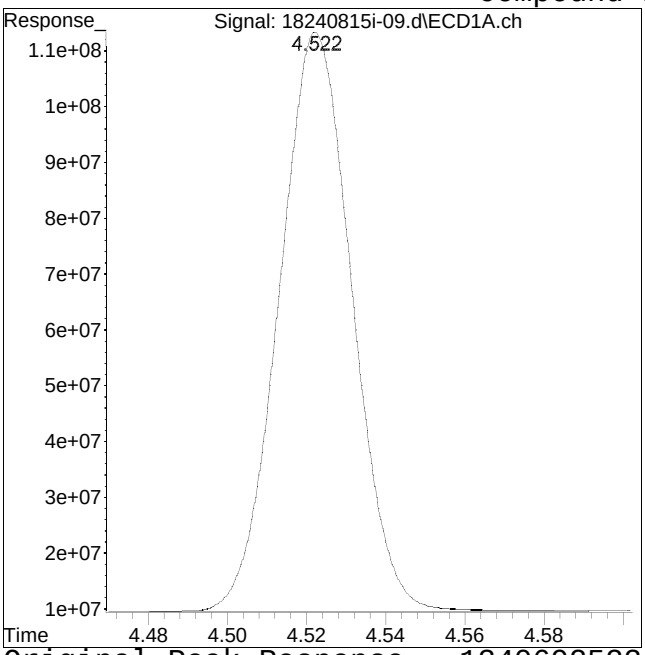


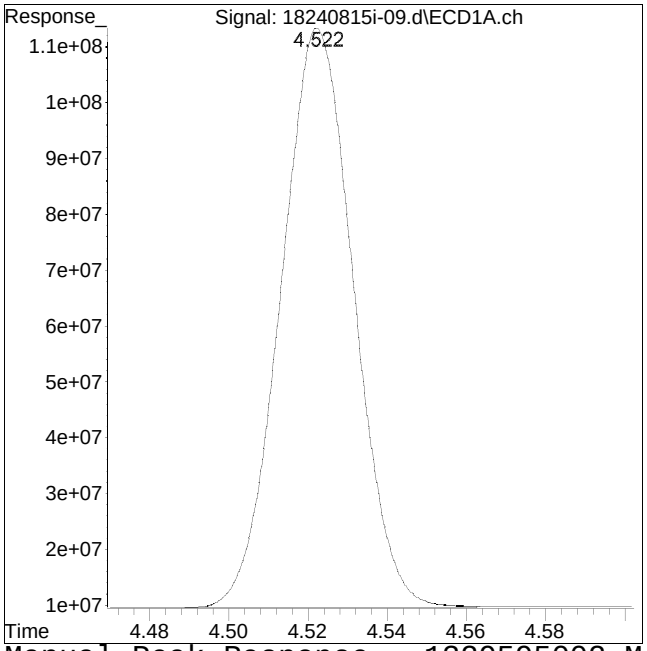
Original Peak Response = 1292030851 Manual Peak Response = 1242810612 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #17: Dieldrin



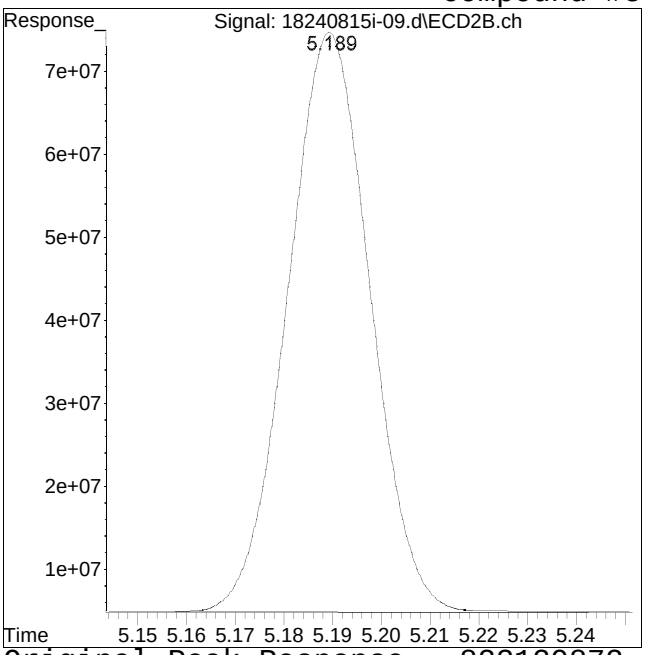


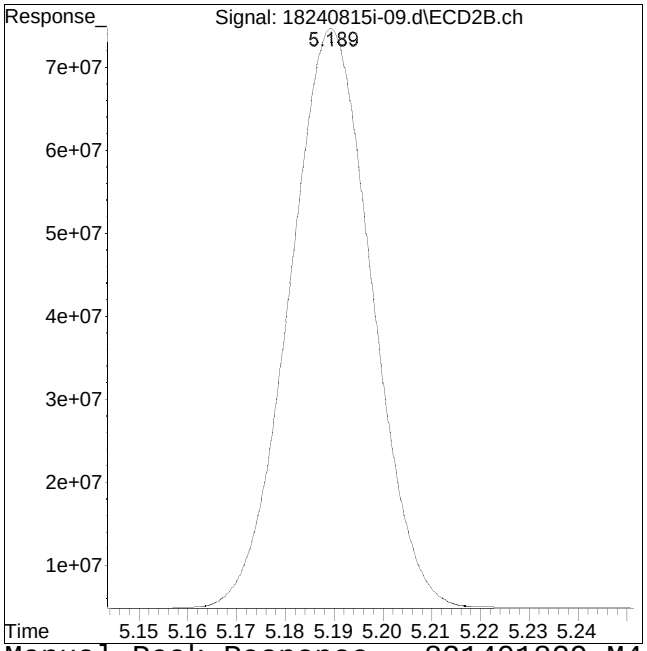
Original Peak Response = 1340692523 Manual Peak Response = 1329595002 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #55: Dieldrin #2



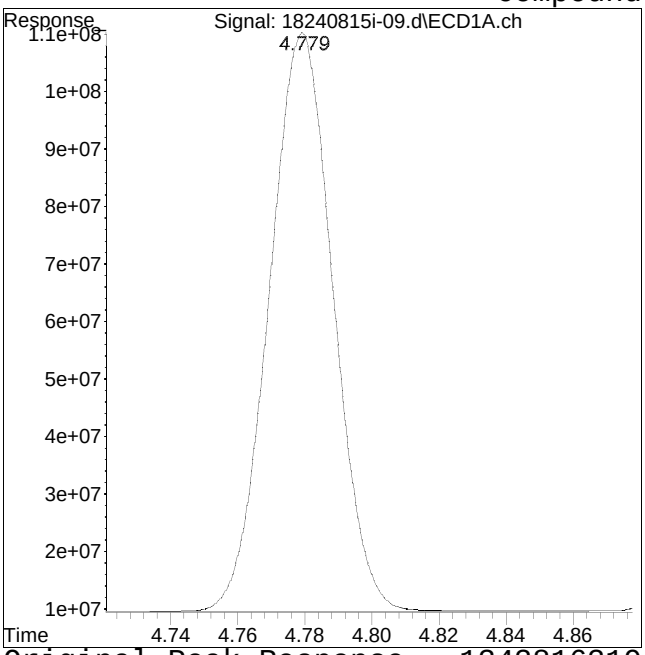


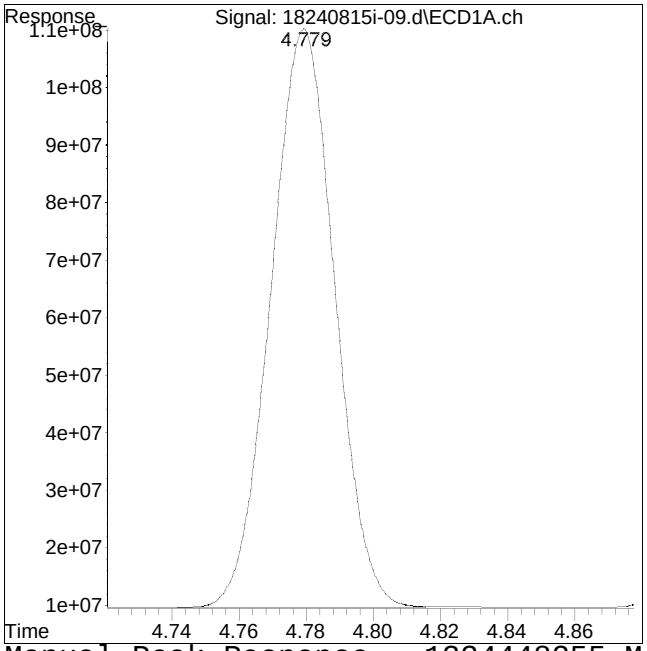
Original Peak Response = 823129872 Manual Peak Response = 821401829 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #18: Endrin





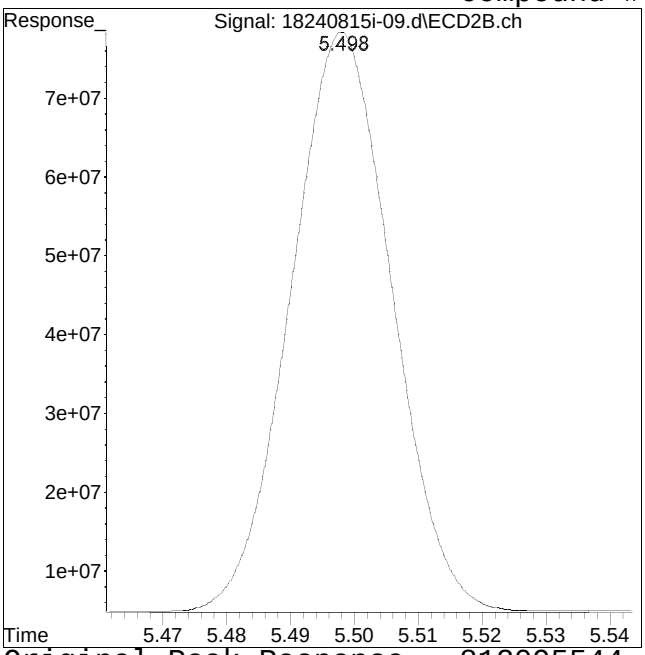
Original Peak Response = 1343816319 Manual Peak Response = 1334448255 M4
M4 = Poor automated baseline construction.

Manual Integration Report

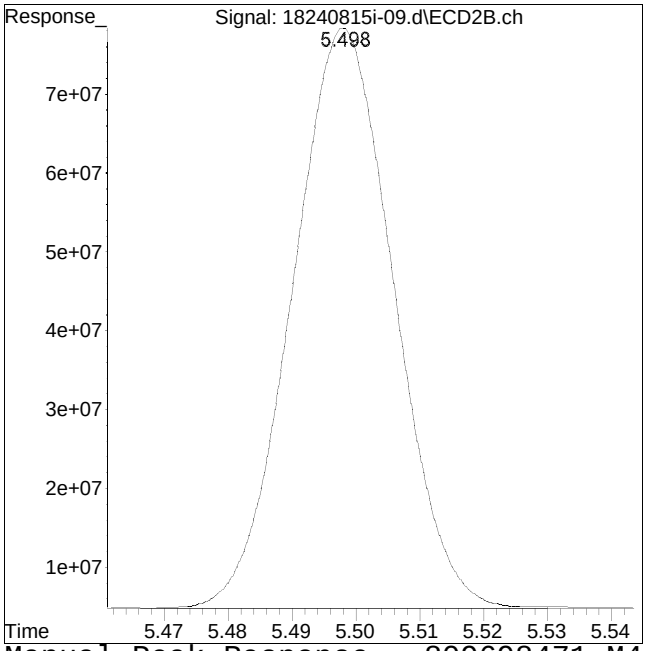
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-09.d
Date Inj'd : 8/15/2024 15:14
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:00 am

Compound #56: Endrin #2



Original Peak Response = 812095544



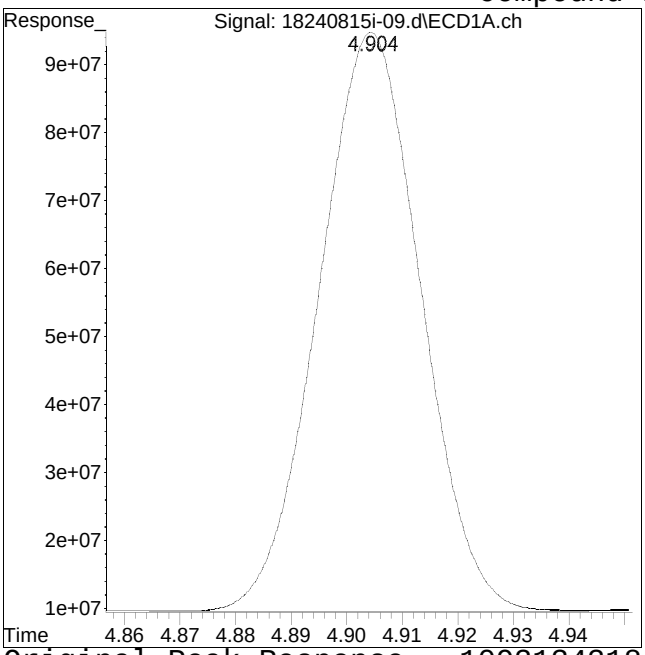
Manual Peak Response = 809698471 M4

M4 = Poor automated baseline construction.

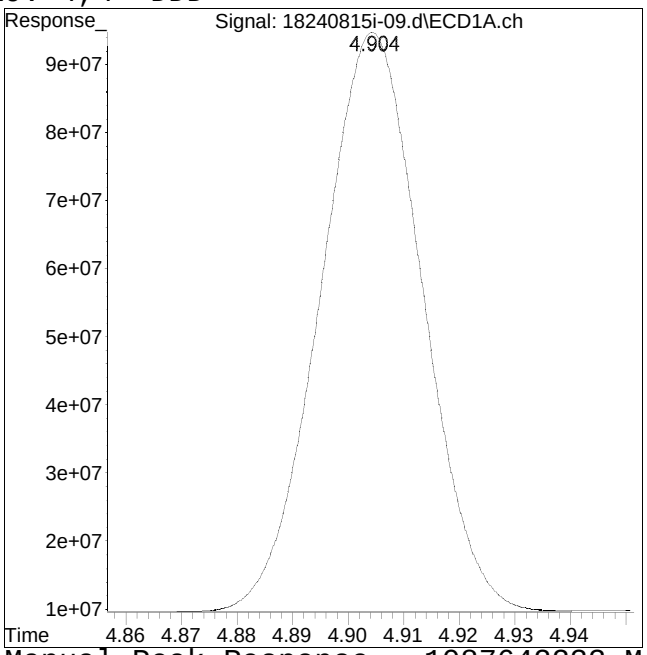
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #19: 4,4'-DDD



Original Peak Response = 1093134318

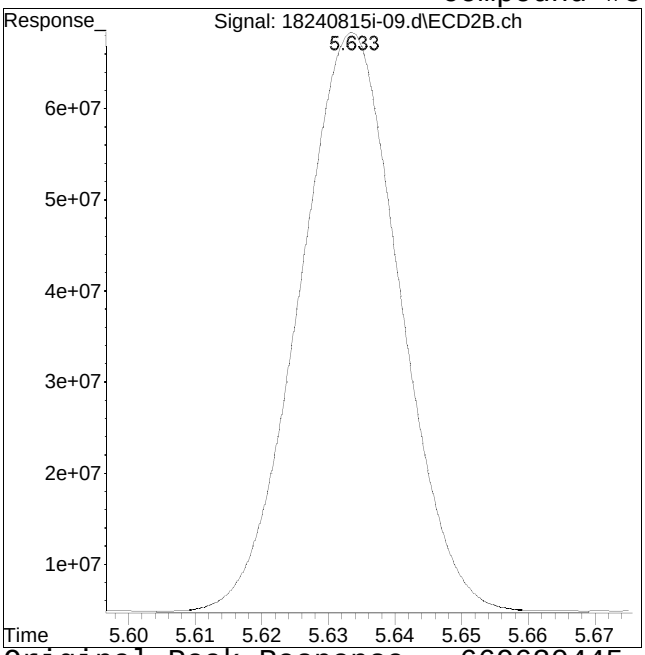


Manual Peak Response = 1087642233 M4
M4 = Poor automated baseline construction.

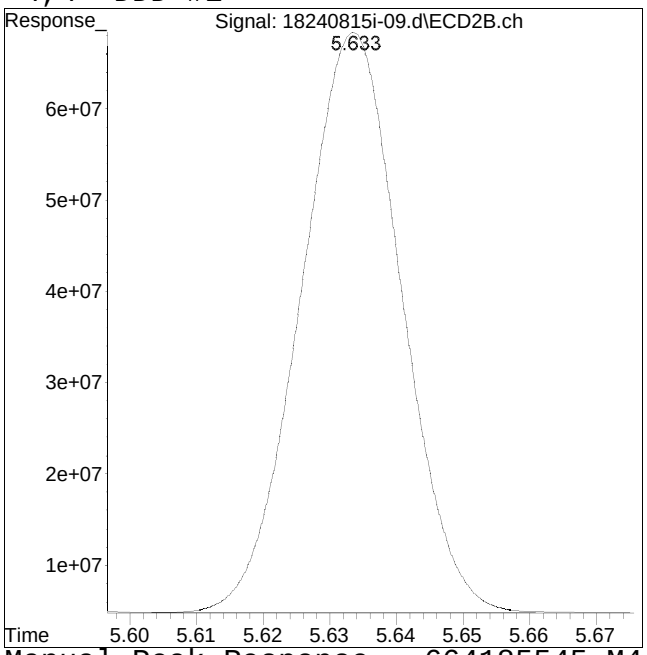
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 669630445



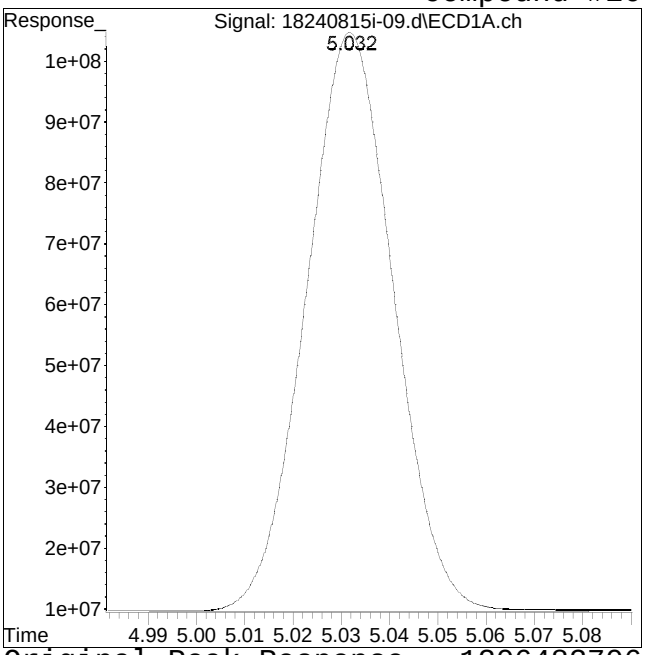
Manual Peak Response = 664185545 M4

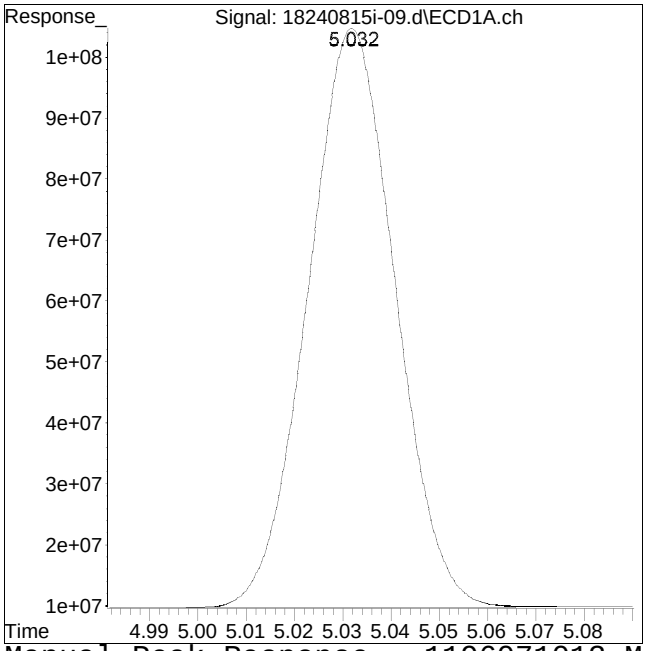
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #20: Endosulfan II



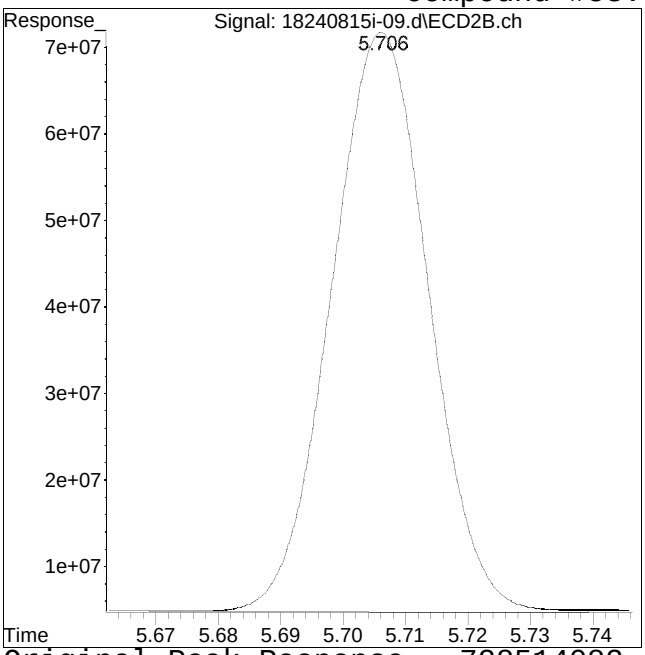


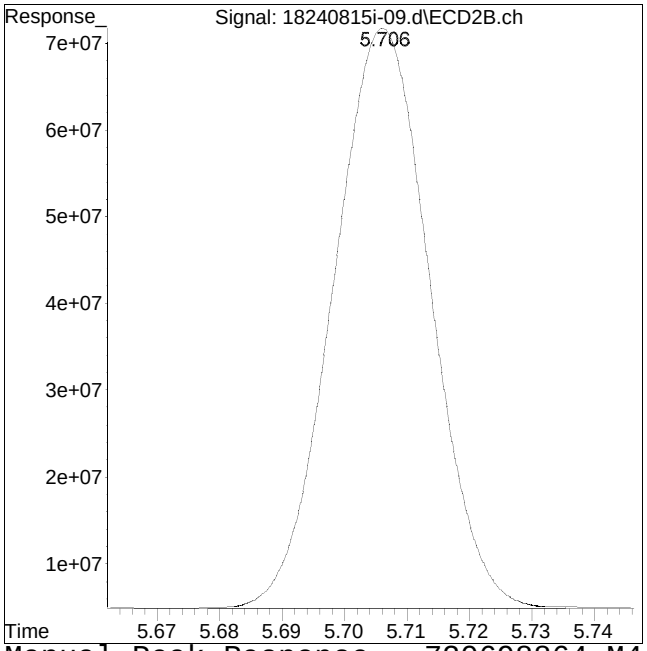
Original Peak Response = 1206483706 Manual Peak Response = 1196071013 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #58: Endosulfan II #2





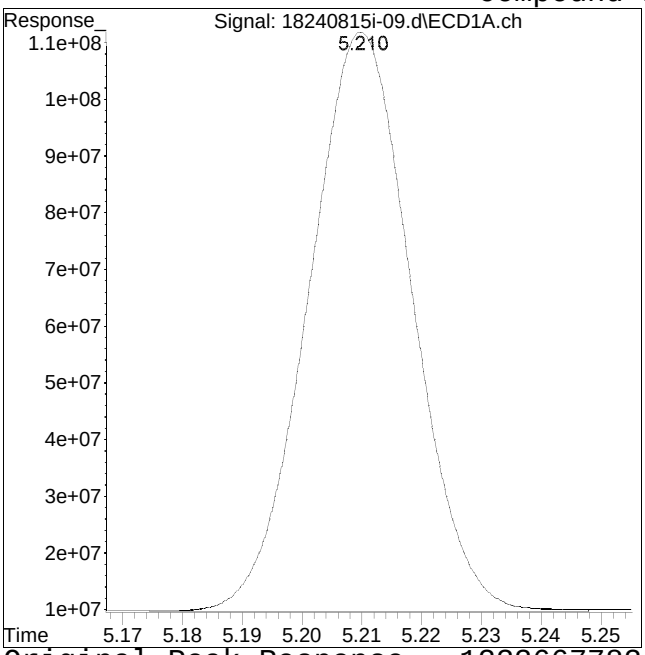
Original Peak Response = 728514082 Manual Peak Response = 720698864 M4
M4 = Poor automated baseline construction.

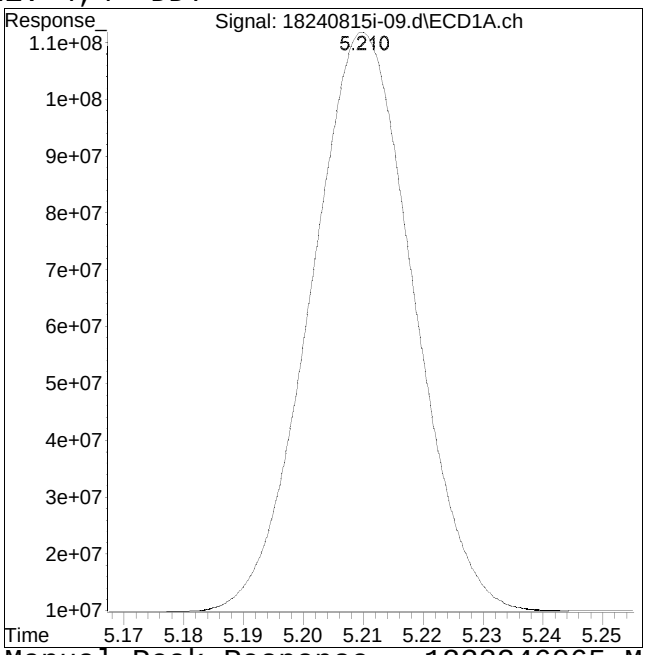
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-09.d
Date Inj'd : 8/15/2024 15:14
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:00 am

Compound #21: 4,4'-DDT





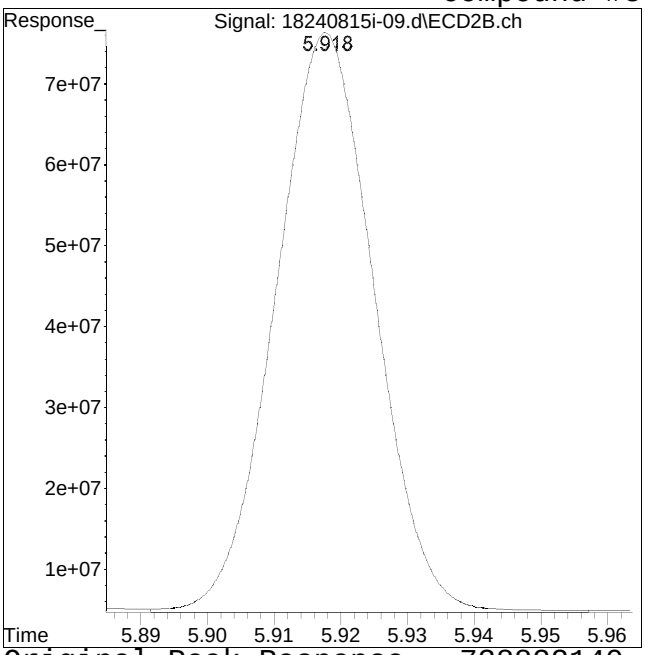
Original Peak Response = 1233667783 Manual Peak Response = 1223246065 M4
M4 = Poor automated baseline construction.

Manual Integration Report

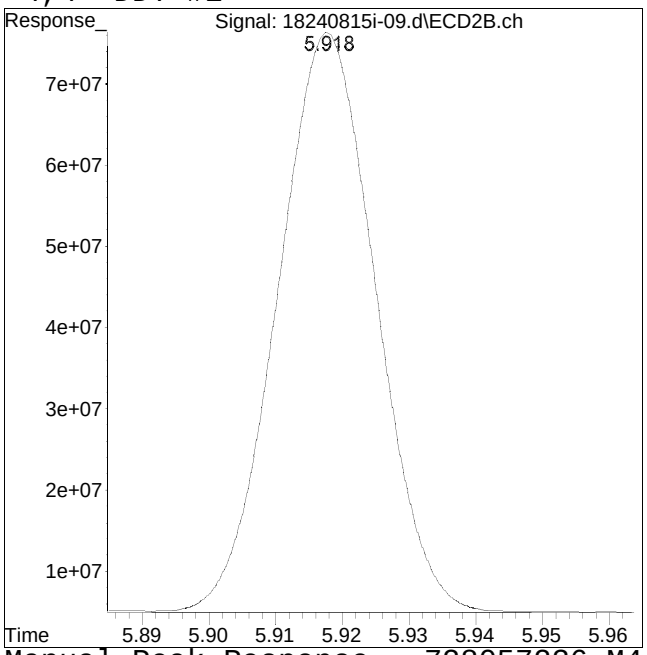
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-09.d
Date Inj'd : 8/15/2024 15:14
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:00 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 738822140



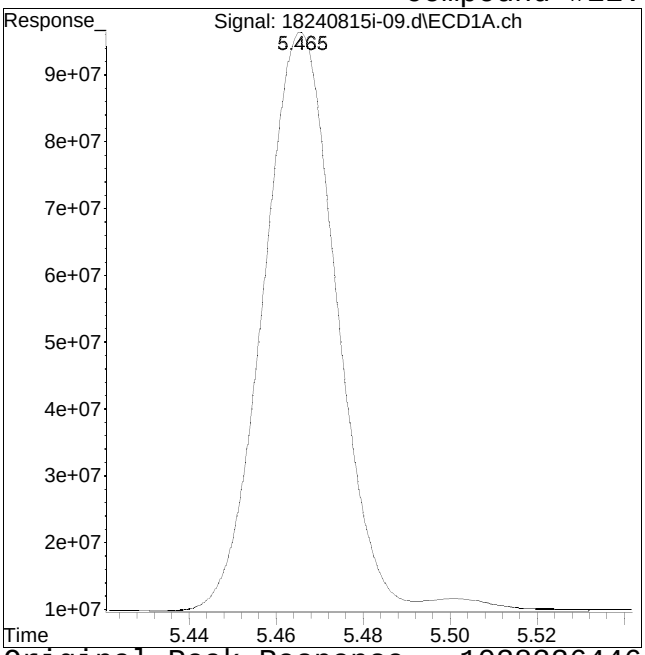
Manual Peak Response = 728057236 M4

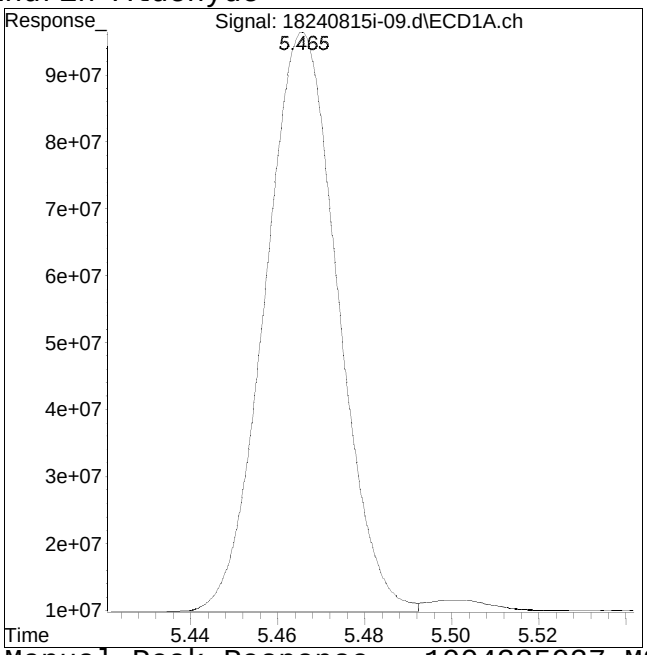
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #22: Endrin Aldehyde



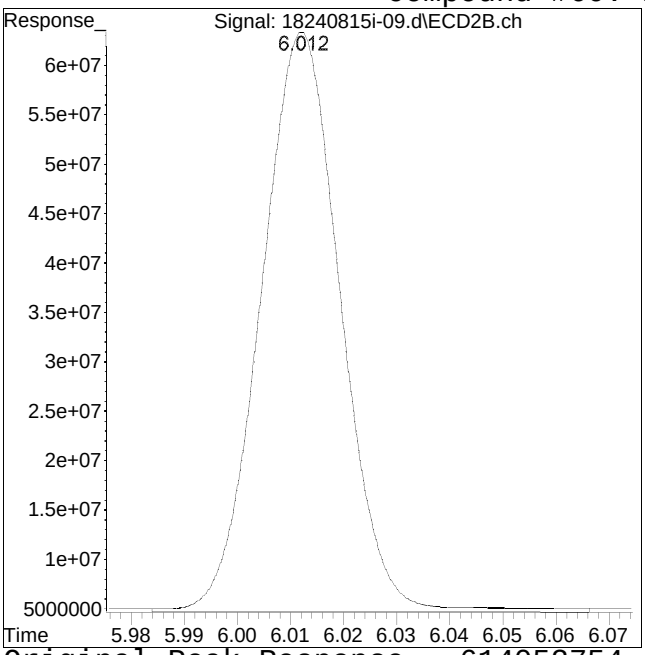


Original Peak Response = 1038326446 Manual Peak Response = 1004335937 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

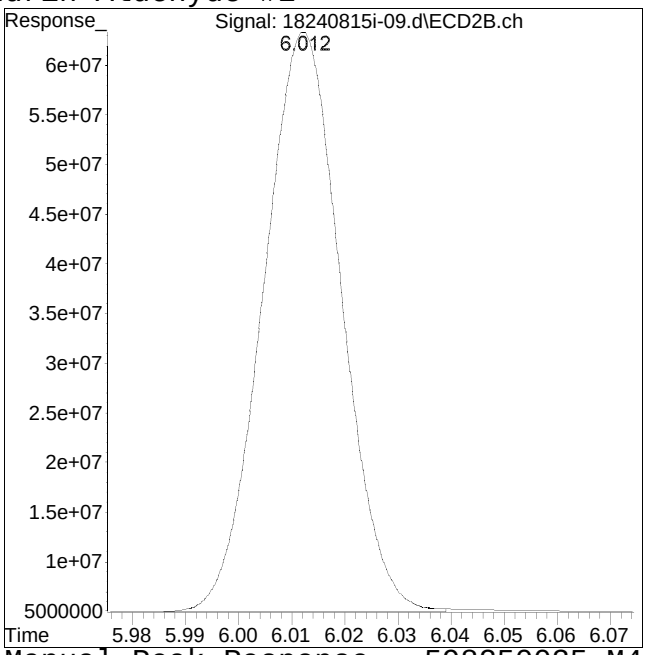
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 614052754



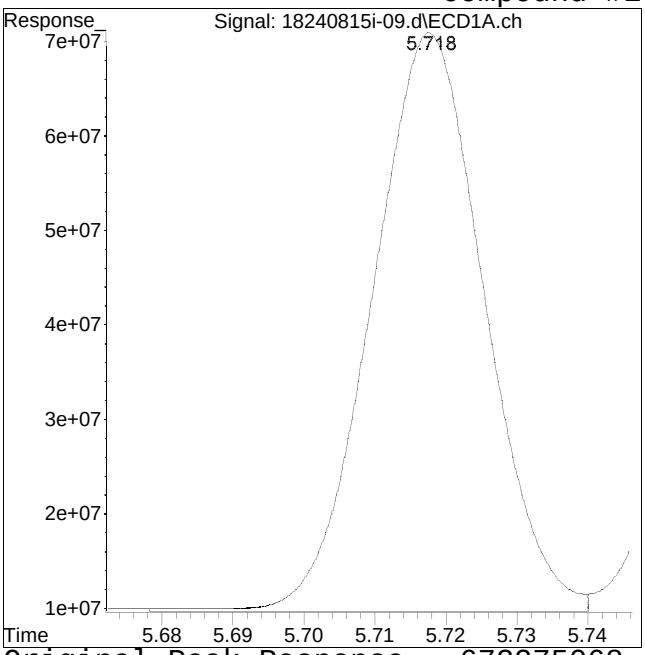
Manual Peak Response = 598250035 M4

M4 = Poor automated baseline construction.

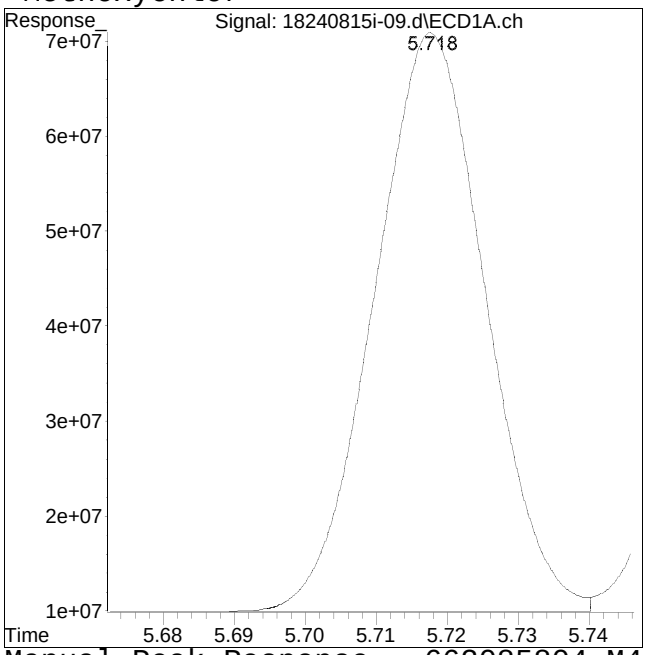
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #23: Methoxychlor



Original Peak Response = 672275068

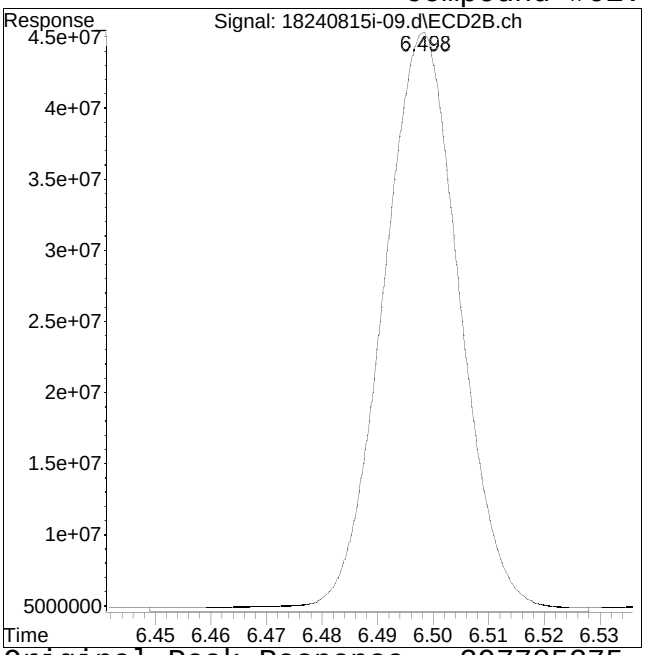


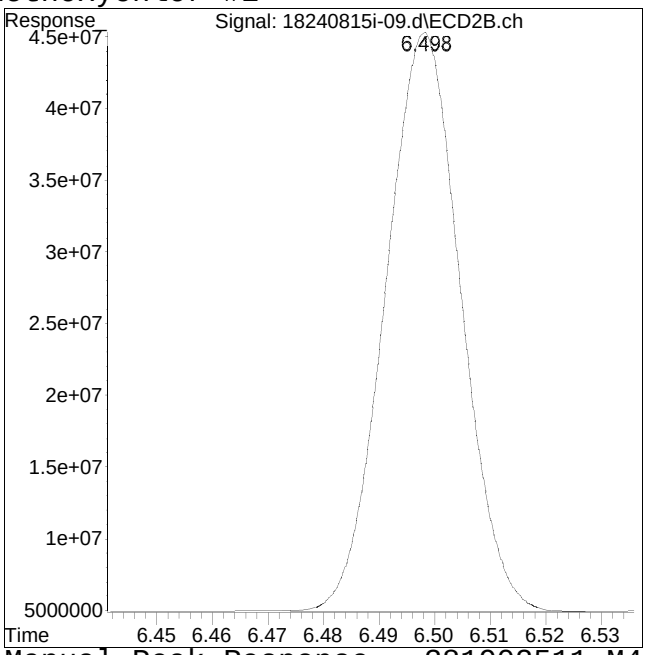
Manual Peak Response = 662085804 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #61: Methoxychlor #2



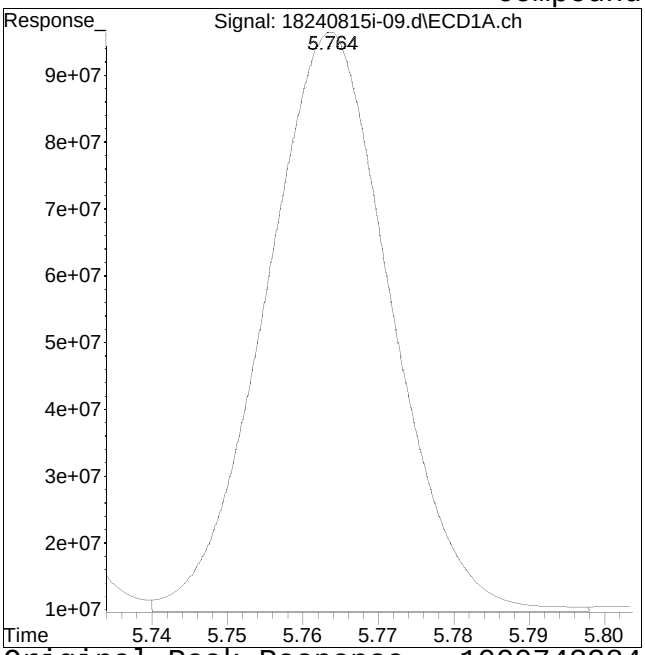


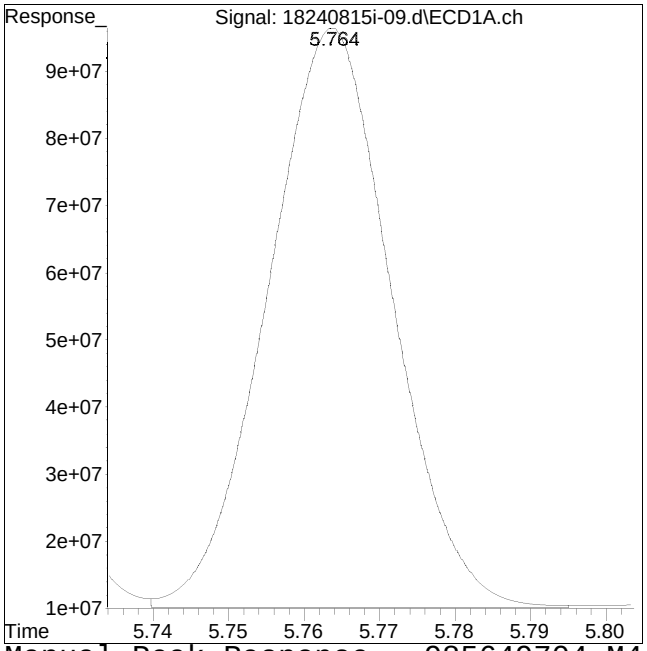
Original Peak Response = 397735375 Manual Peak Response = 381902511 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #24: Mirex



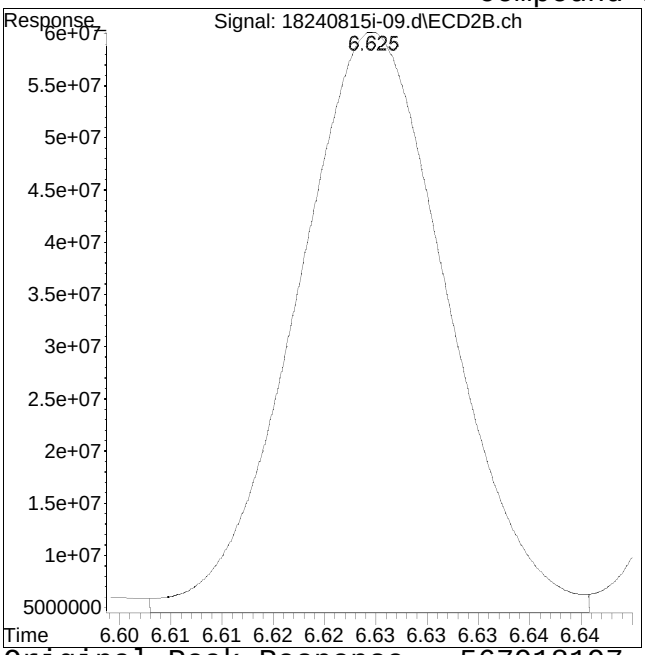


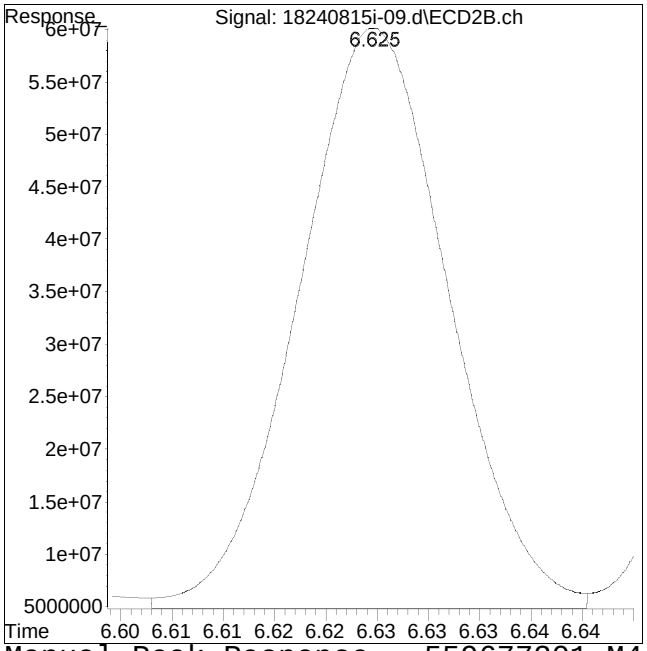
Original Peak Response = 1000743384 Manual Peak Response = 985649704 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #62: Mirex #2



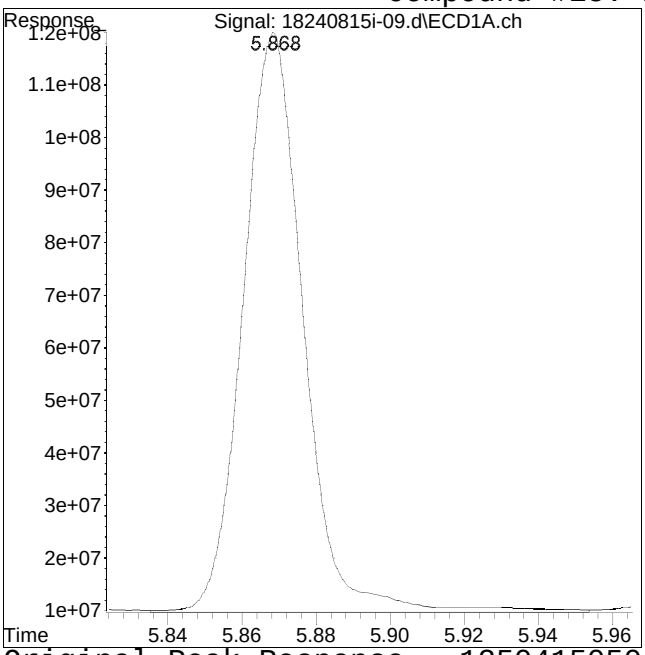


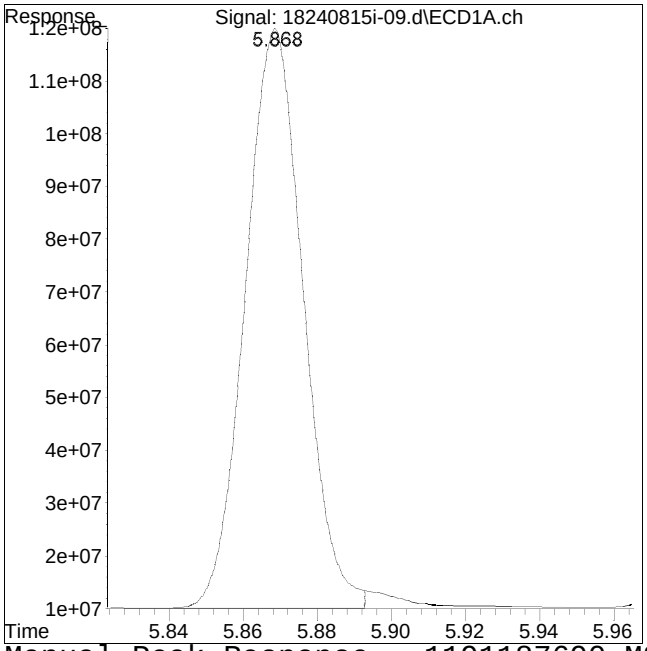
Original Peak Response = 567918197 Manual Peak Response = 559677201 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #25: Endosulfan Sulfate



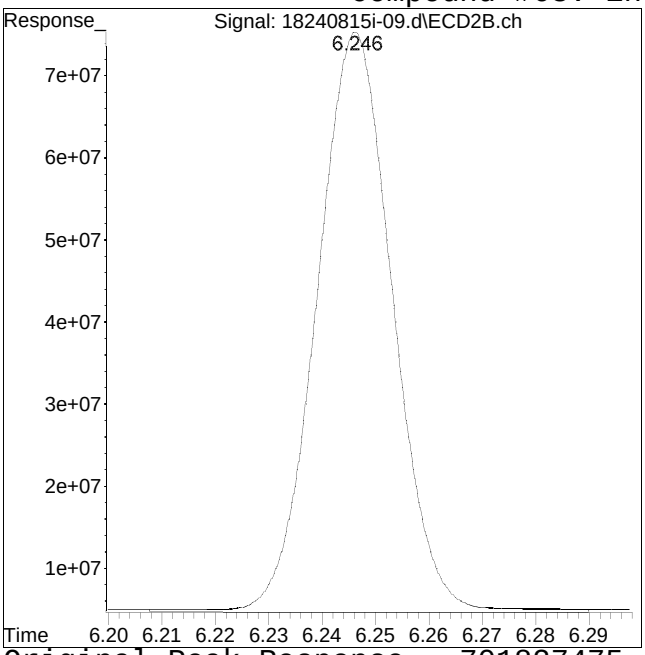


Original Peak Response = 1250415050 Manual Peak Response = 1191187690 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

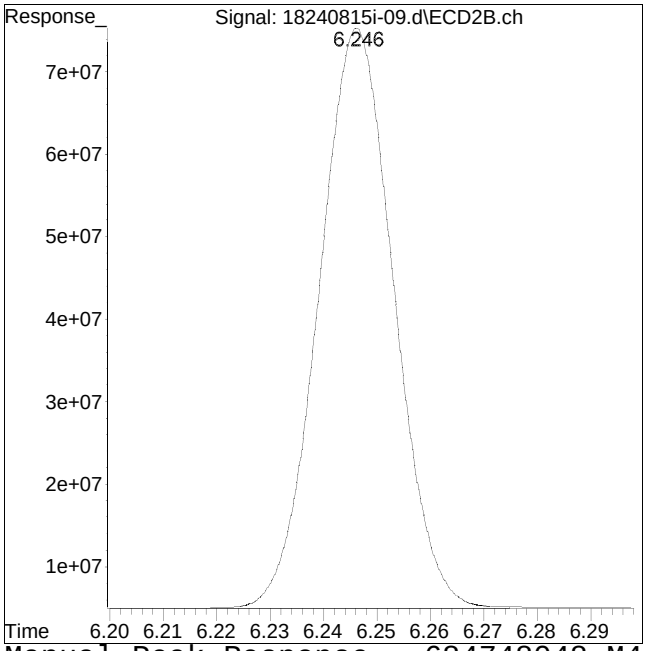
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 701827475

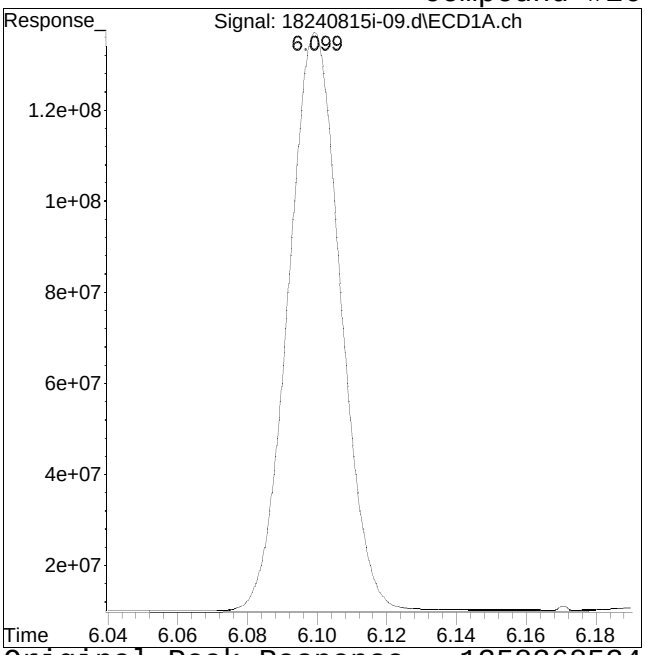


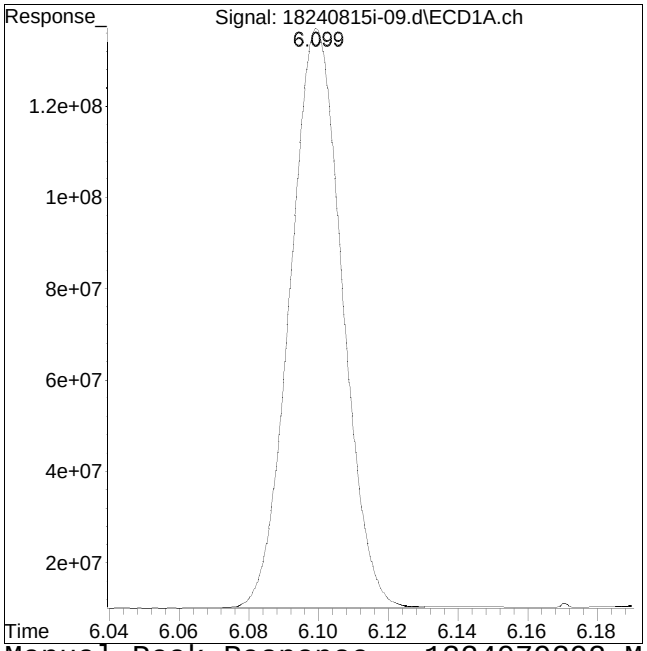
Manual Peak Response = 684748048 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #26: Endrin Ketone



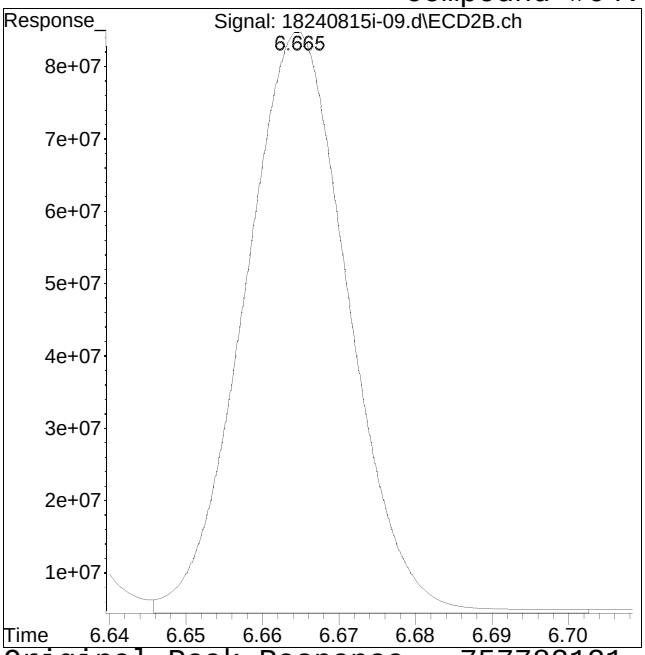


Original Peak Response = 1358368534 Manual Peak Response = 1324079292 M4
M4 = Poor automated baseline construction.

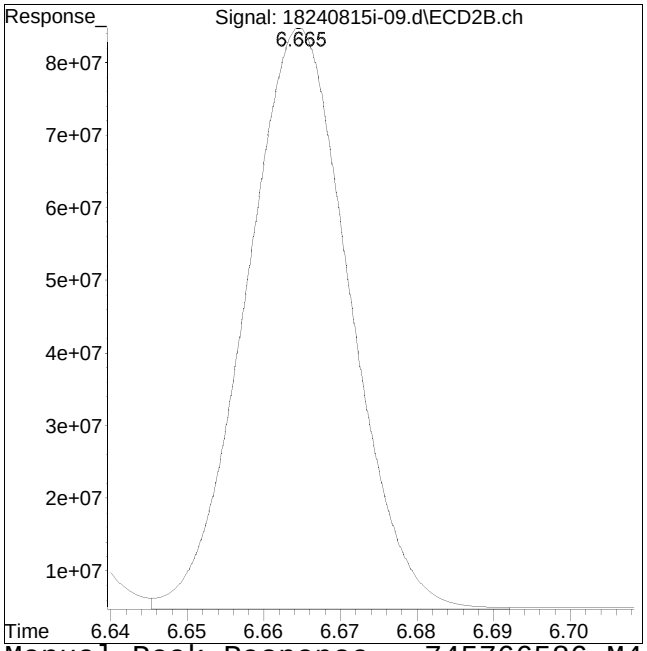
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #64: Endrin Ketone #2



Original Peak Response = 757782121

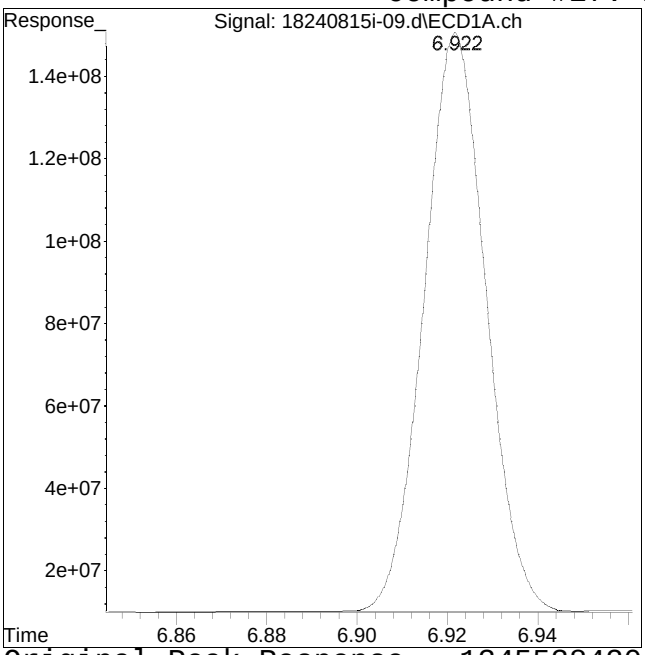


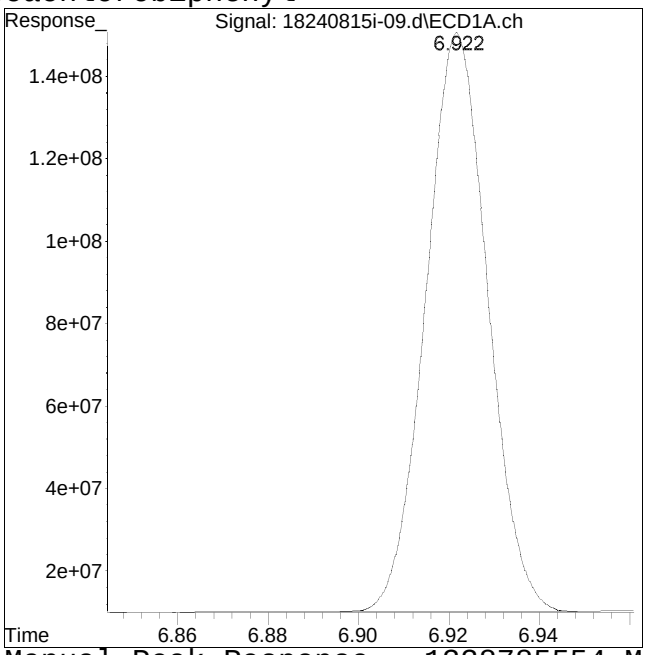
Manual Peak Response = 745766586 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #27: Decachlorobiphenyl



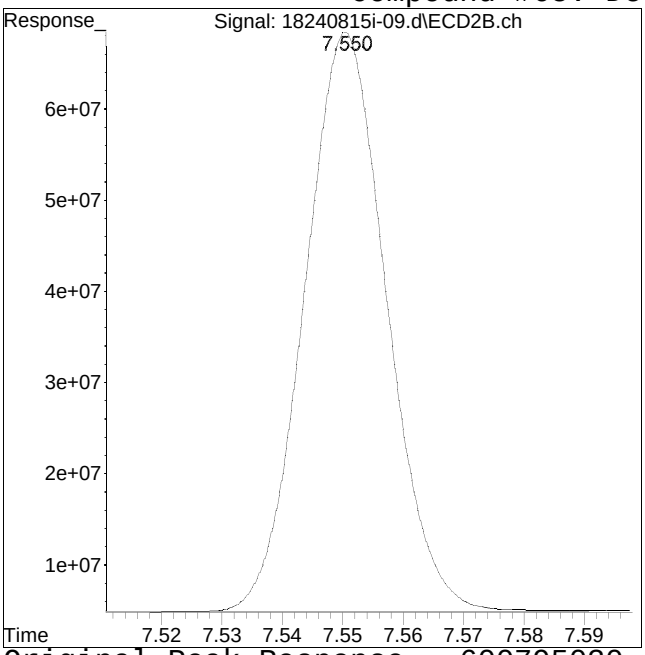


Original Peak Response = 1345538420 Manual Peak Response = 1338785554 M4
M4 = Poor automated baseline construction.

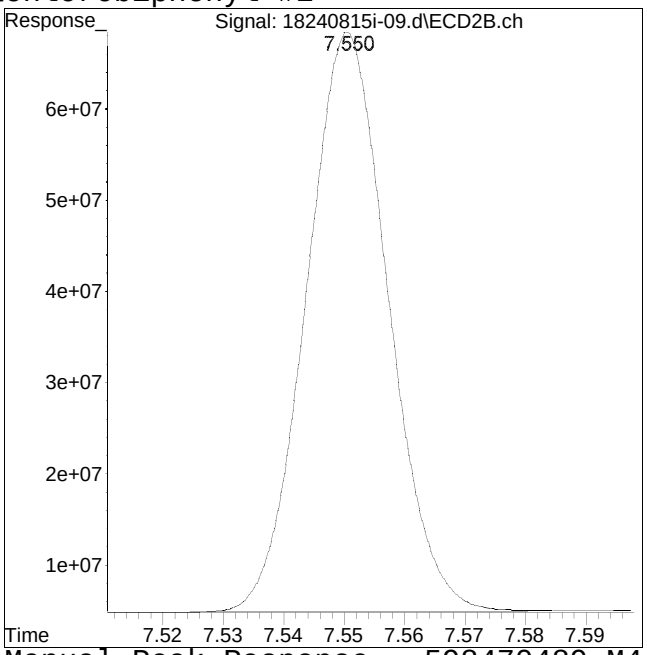
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-09.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:14 Instrument : Pest 18
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/16/2024 6:00 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 600795030



Manual Peak Response = 598470489 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:25
Operator : PEST18:peg
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:07:59 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.683	1.784	519.3E6	317.9E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.117	2.340	2347.2E6	1434.7E6	98.921M4	99.428M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		197.84%#	198.86%#
27) s	Decachlorobi	6.922	7.550	2365.3E6	1051.9E6	97.624M4	96.946M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		195.25%#	193.89%#
	Target Compounds						
3)	Hexachlorobe	2.358	2.683	2698.4E6	1454.0E6	98.851M3	99.078M4
4)	alpha-BHC	2.470	2.787	3126.4E6	2041.6E6	99.460M4	100.533M4
5)	gamma-BHC (l	2.688	3.083	2798.2E6	1820.7E6	99.489M3	100.343
6)	beta-BHC	2.752	3.156	1203.0E6	786.0E6	98.573M4	98.970M4
7)	delta-BHC	2.885	3.426	2852.4E6	1854.4E6	99.585M4	100.622
8)	Heptachlor	3.054	3.483	2563.1E6	1614.5E6	98.165M4	98.985M4
9)	Aldrin	3.303	3.804	2584.0E6	1660.1E6	98.748M4	99.476M4
10)	Alachlor	3.442	3.699	344.0E6	216.6E6	95.504M4	95.707M4
11)	Chlorpyrifos	3.536	4.055	1082.8E6	699.2E6	96.222M3	95.912M3

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:25
Operator : PEST18:peg
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:07:59 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	3.862	4.423	2265.4E6	1501.9E6	98.099M3	98.538M3
13)		gamma-Chlord	3.989	4.646	2209.0E6	1387.2E6	98.894M4	98.848M4
14)		alpha-Chlord	4.125	4.821	2479.6E6	1537.0E6	98.714M3	98.640
15)		4,4'-DDE	4.231	5.035	2568.2E6	1585.9E6	99.029M4	98.908
16)		Endosulfan I	4.260	4.883	2218.1E6	1427.6E6	98.130M4	98.535
17)		Dieldrin	4.523	5.189	2397.0E6	1504.0E6	98.634M4	98.988M4
18)		Endrin	4.779	5.498	2392.8E6	1475.7E6	98.363M4	98.758M4
19)		4,4'-DDD	4.905	5.633	1957.2E6	1212.5E6	98.541M4	98.838M4
20)		Endosulfan I	5.032	5.706	2135.5E6	1306.2E6	98.150M4	98.479M4
21)		4,4'-DDT	5.211	5.917	2204.2E6	1321.4E6	98.609M4	98.548M4
22)		Endrin Aldeh	5.466	6.011	1811.1E6	1088.5E6	98.646M3	98.673M4
23)		Methoxychlor	5.718	6.498	1136.7E6	662.9E6	96.191M4	96.323M3
24)		Mirex	5.764	6.624	1740.7E6	986.1E6	97.602M4	97.068M4
25)		Endosulfan S	5.869	6.246	2147.9E6	1234.2E6	98.644M3	98.200M4
26)		Endrin Keton	6.100	6.664	2346.4E6	1338.0E6	97.774M4	97.969M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:25
Operator : PEST18:peg
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:07:59 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

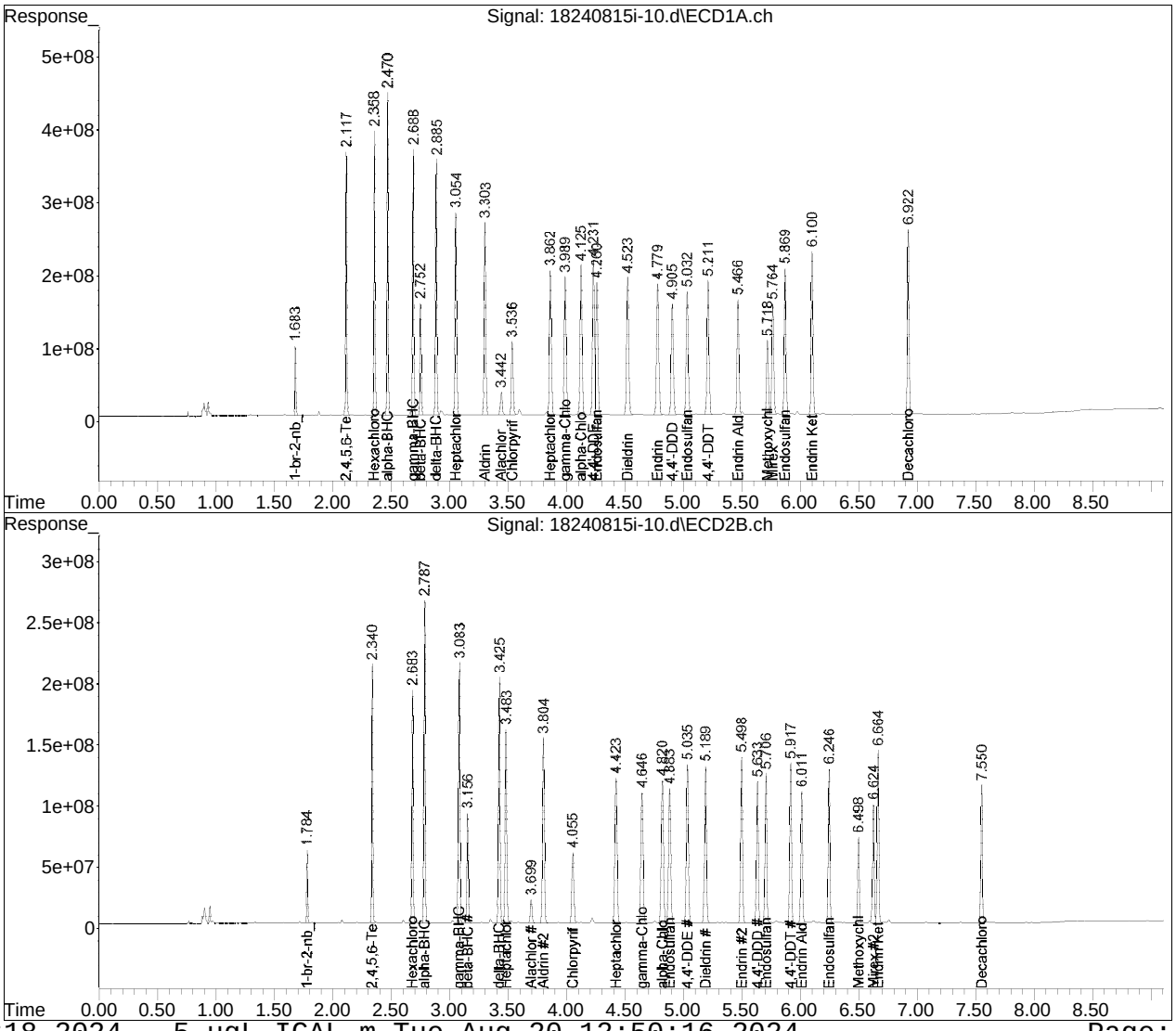
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:25
Operator : PEST18:peg
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:07:59 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

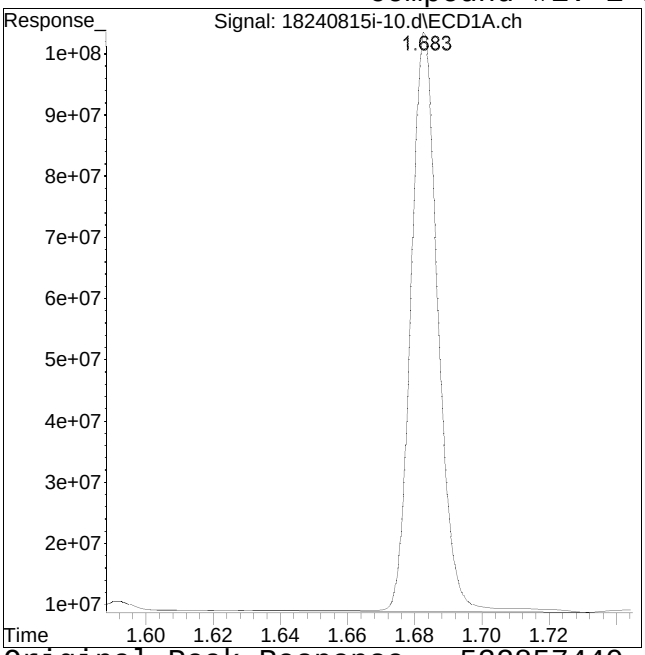


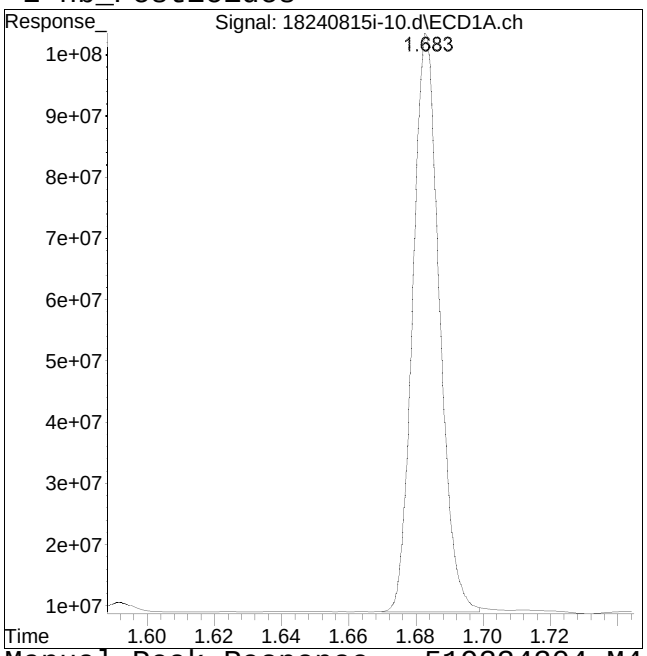
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-10.d
Date Inj'd : 8/15/2024 15:25
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:07 am

Compound #1: 1-br-2-nb_Pesticides



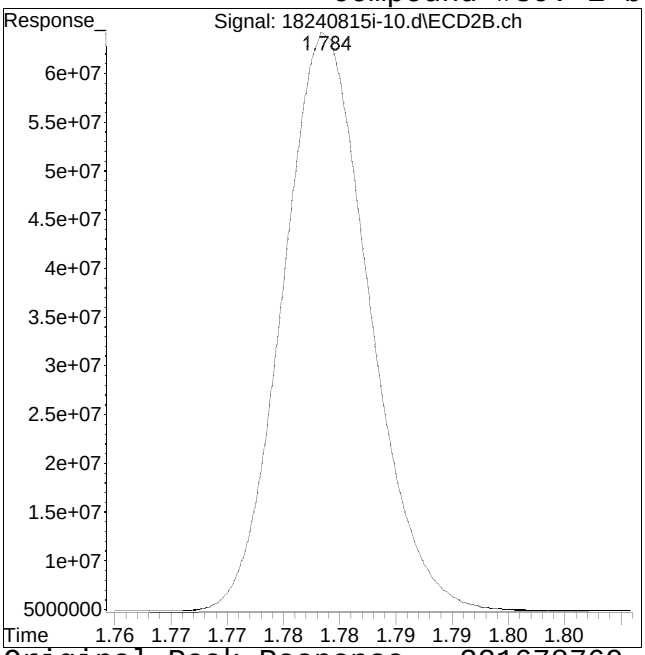


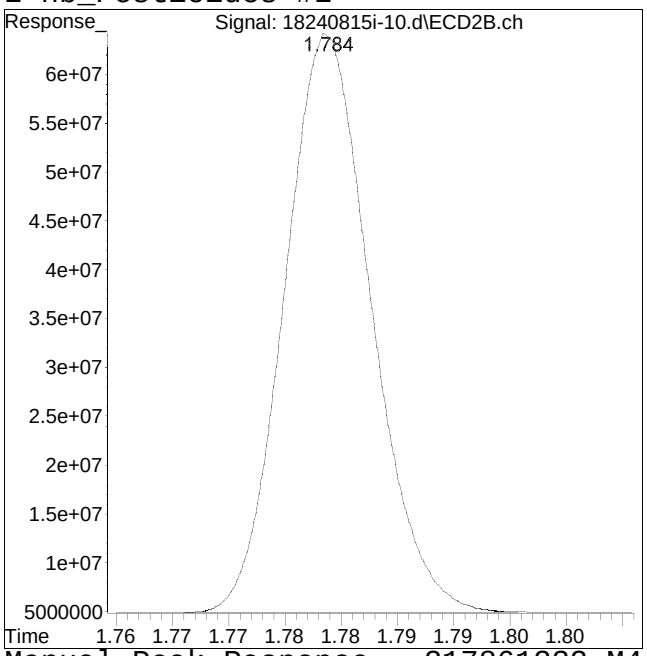
Original Peak Response = 532857440 Manual Peak Response = 519334304 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #39: 1-br-2-nb_Pesticides #2



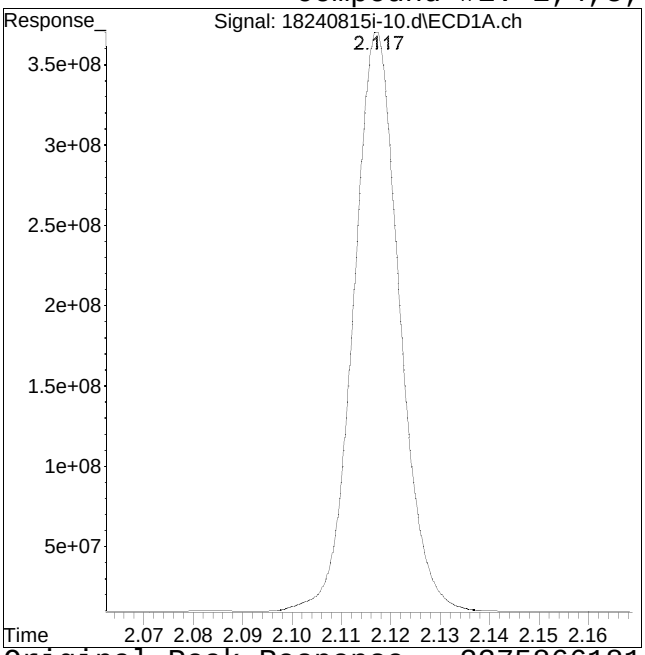


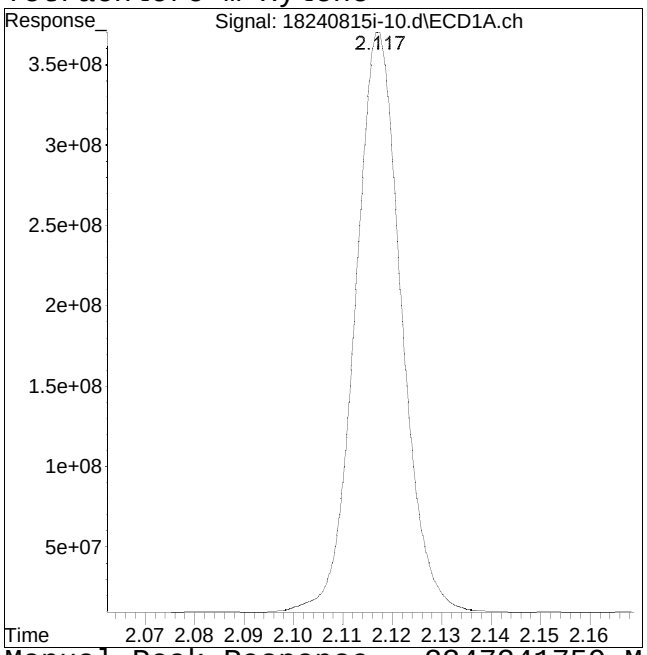
Original Peak Response = 321678769 Manual Peak Response = 317861332 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



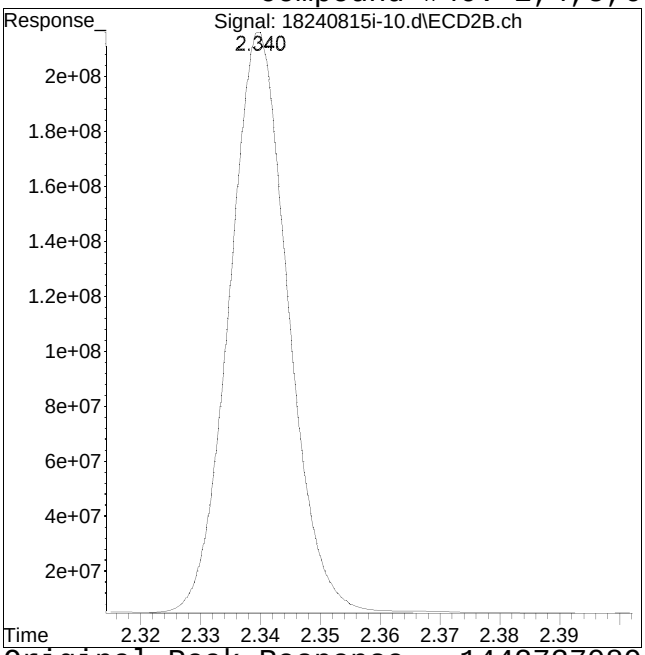


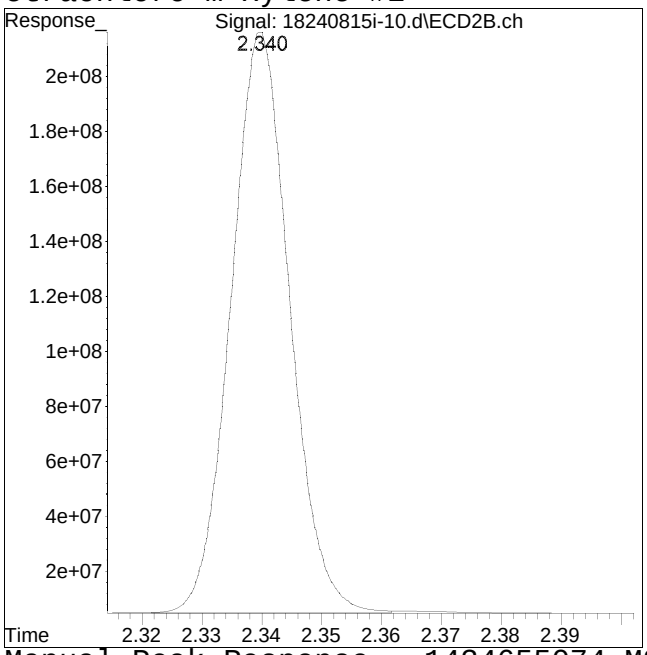
Original Peak Response = 2375866181 Manual Peak Response = 2347241759 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



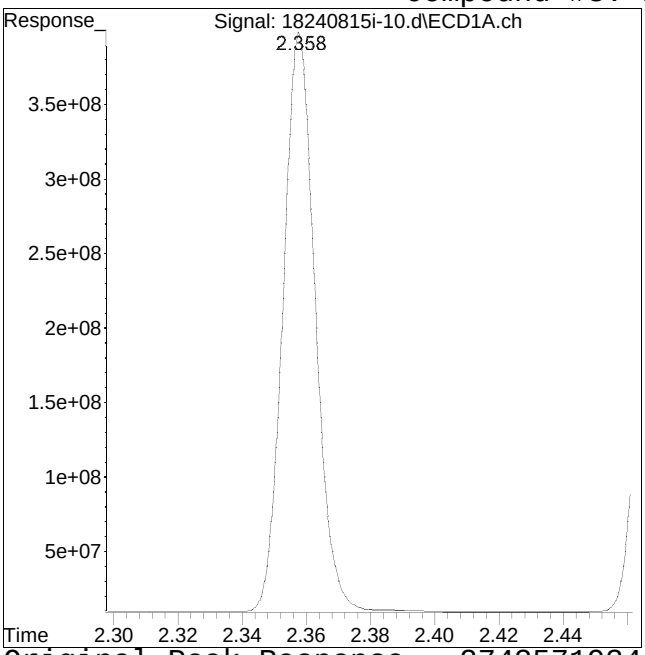


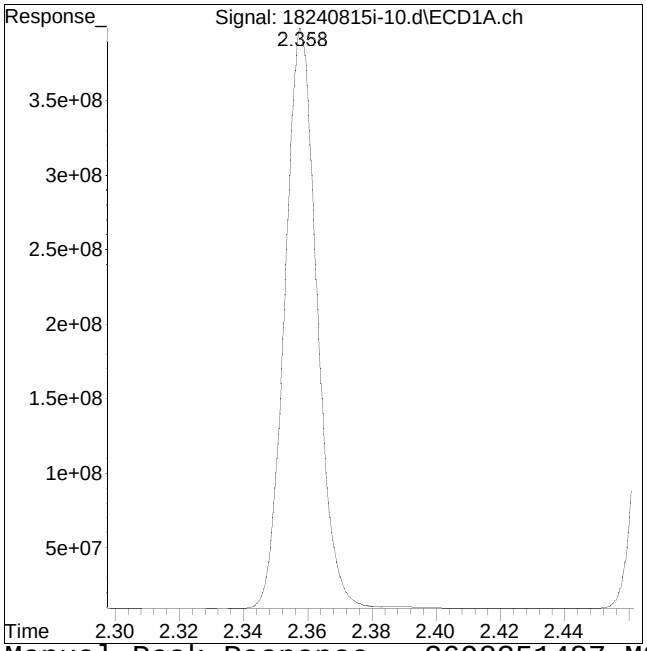
Original Peak Response = 1442737089 Manual Peak Response = 1434655074 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #3: Hexachlorobenzene



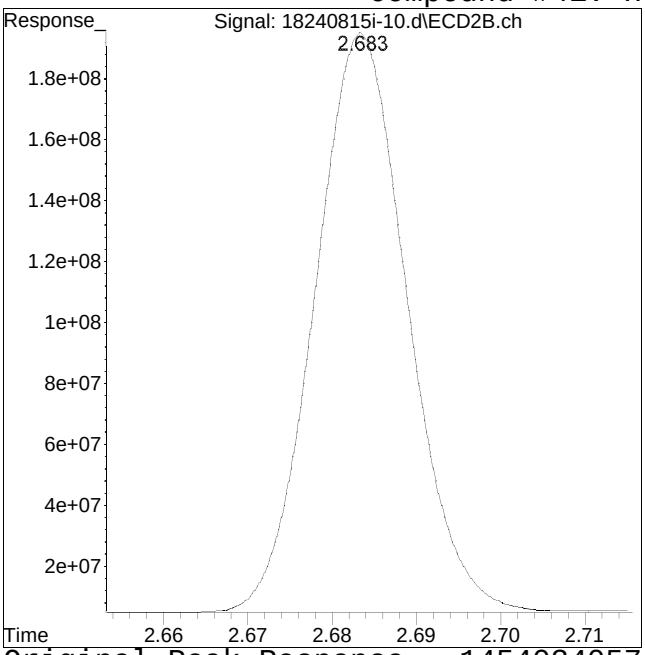


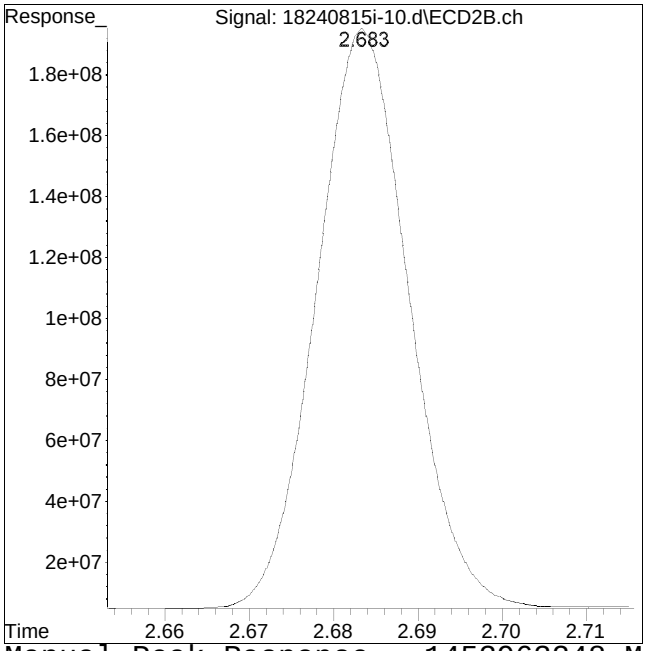
Original Peak Response = 2743571934 Manual Peak Response = 2698351487 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #41: Hexachlorobenzene #2



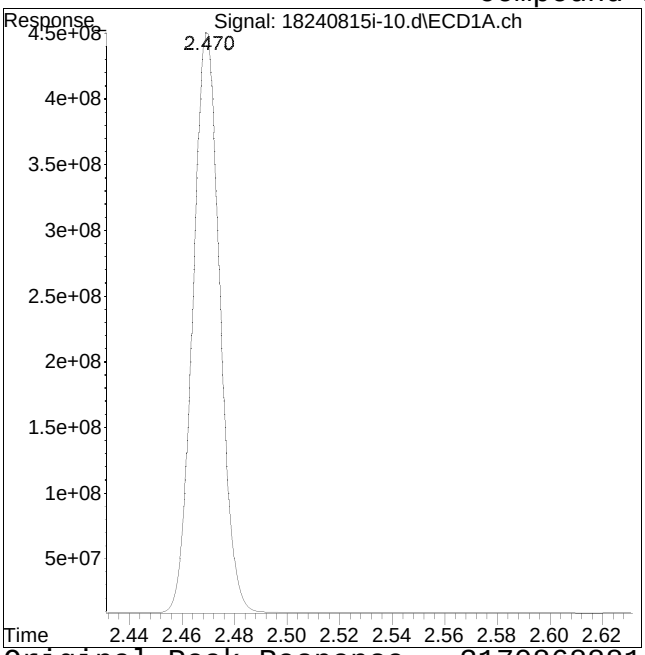


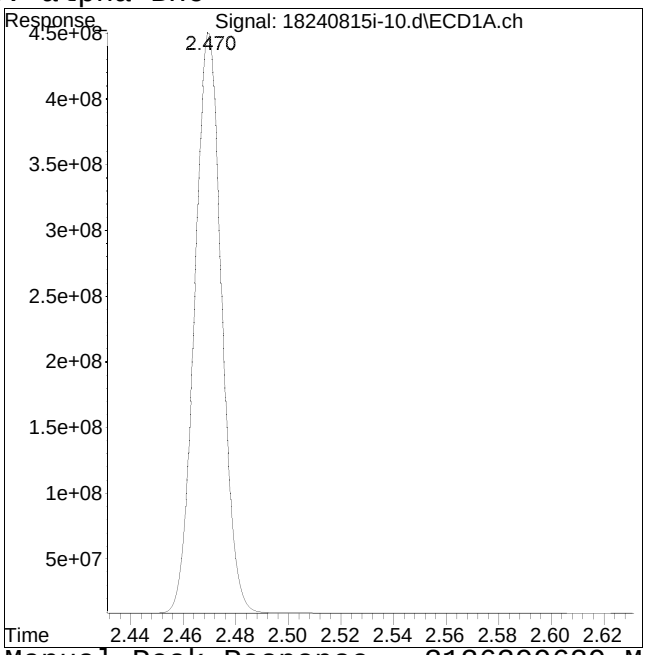
Original Peak Response = 1454034057 Manual Peak Response = 1453963248 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #4: alpha-BHC



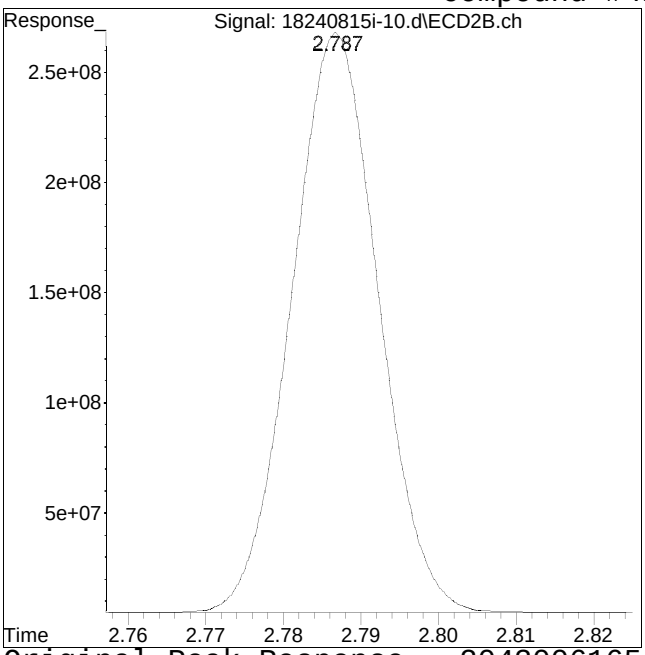


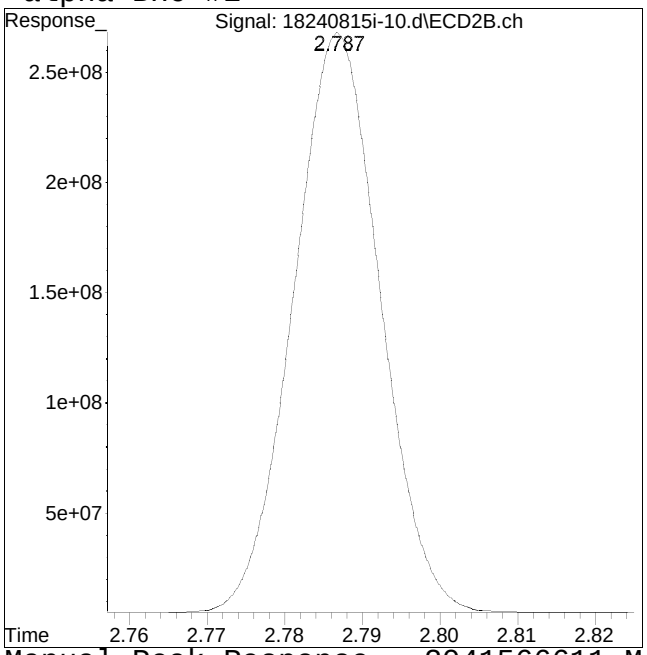
Original Peak Response = 3170868881 Manual Peak Response = 3126399629 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-10.d
Date Inj'd : 8/15/2024 15:25
Sample : il9pest,42e,,pp 11680 L0.1
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:07 am

Compound #42: alpha-BHC #2



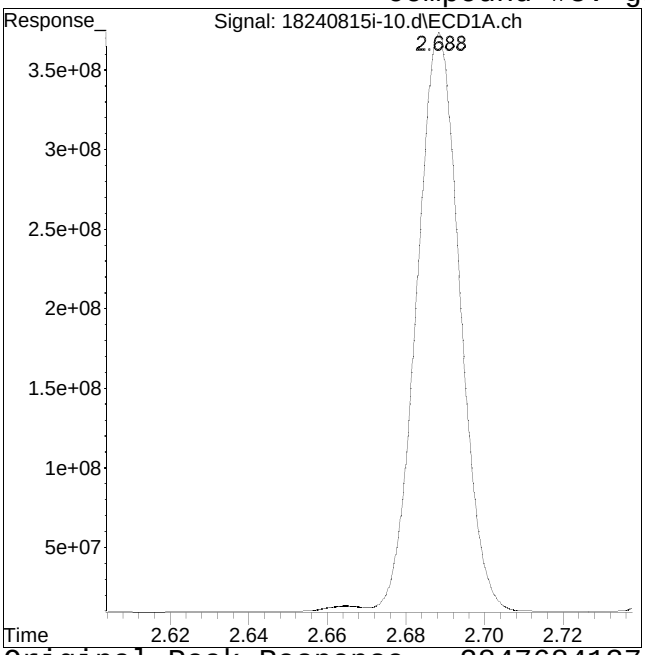


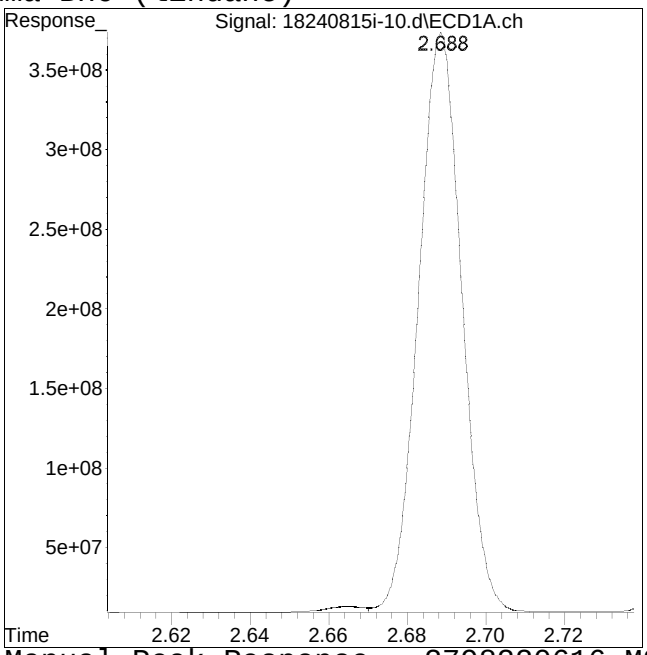
Original Peak Response = 2043006165 Manual Peak Response = 2041566611 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #5: gamma-BHC (lindane)



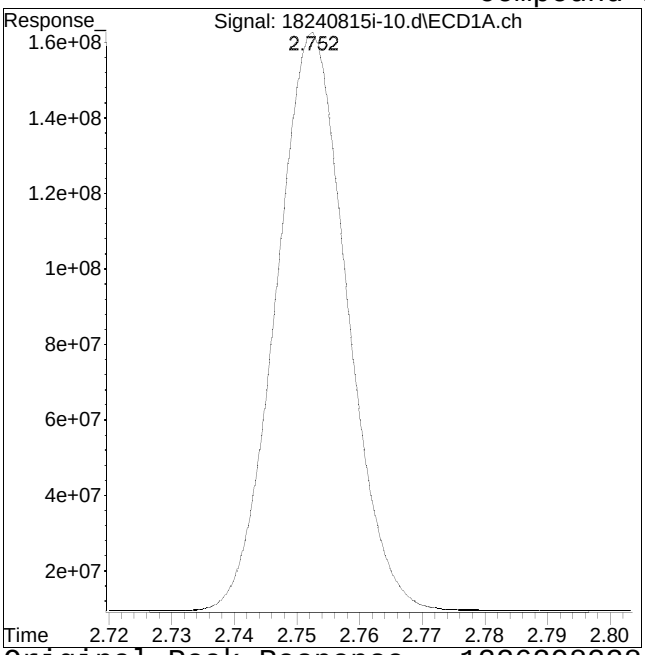


Original Peak Response = 2847684137 Manual Peak Response = 2798220616 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

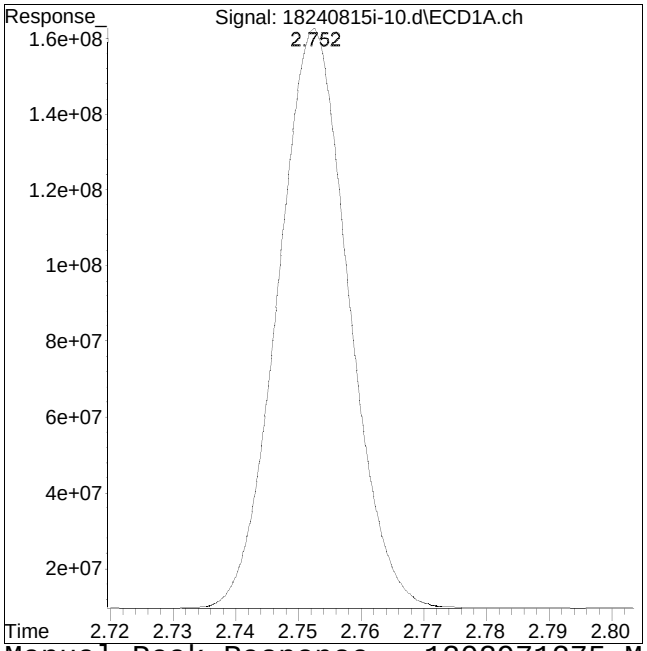
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #6: beta-BHC



Original Peak Response = 1226298228

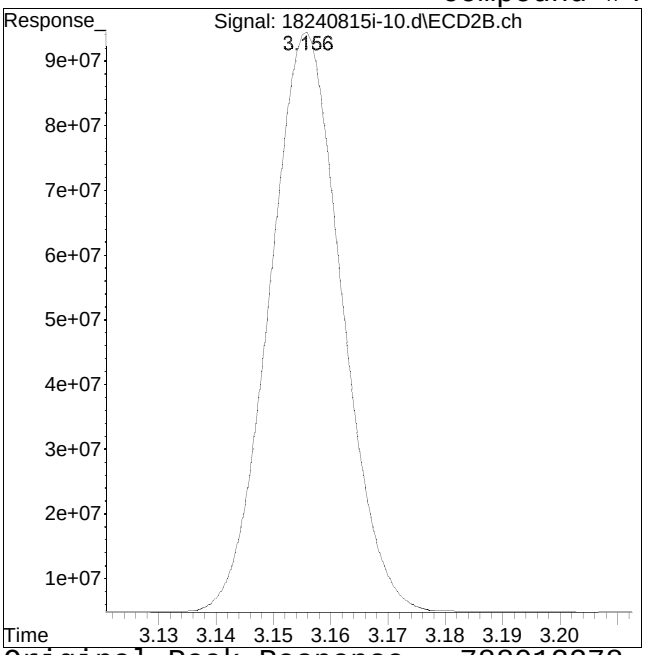


Manual Peak Response = 1202971275 M4
M4 = Poor automated baseline construction.

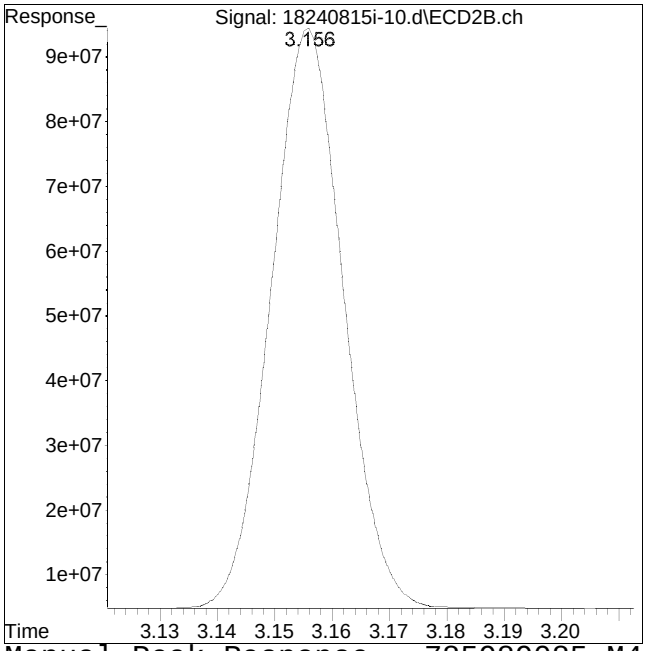
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #44: beta-BHC #2



Original Peak Response = 788012378



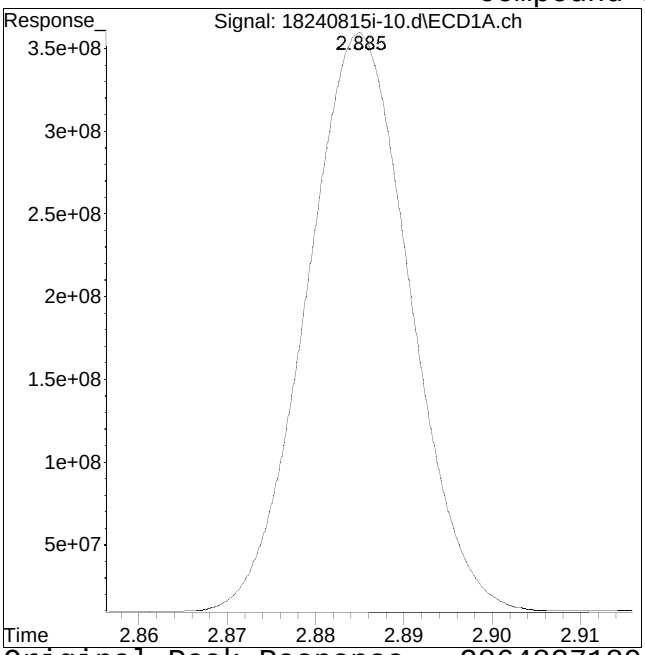
Manual Peak Response = 785989085 M4

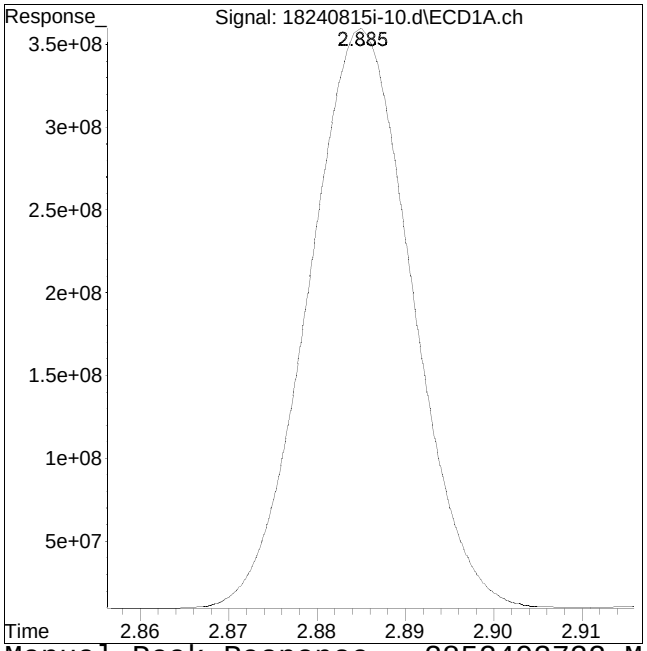
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #7: delta-BHC



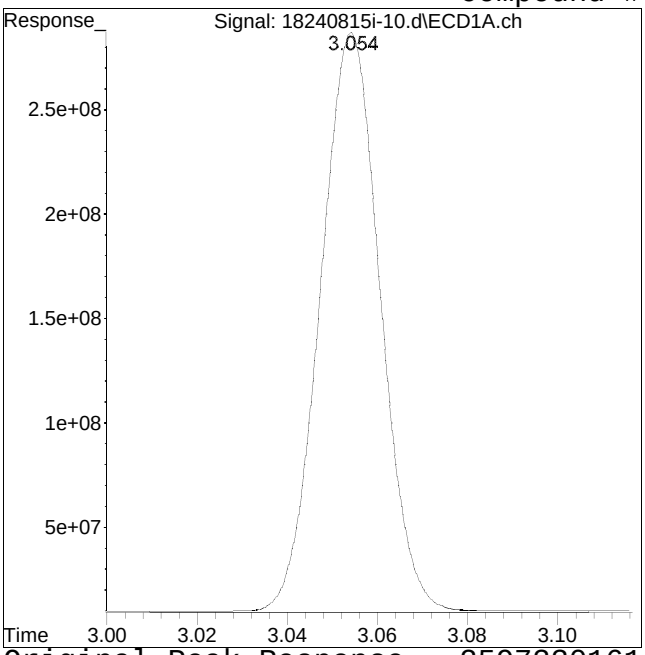


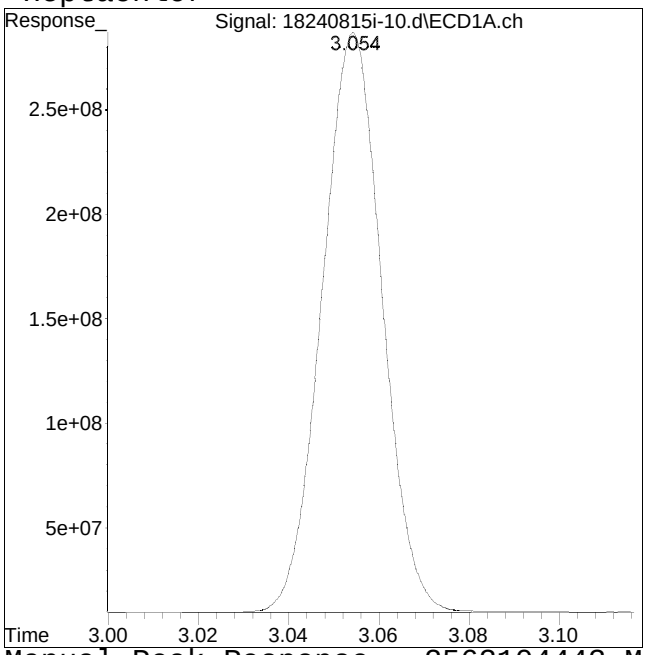
Original Peak Response = 2864837189 Manual Peak Response = 2852403732 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #8: Heptachlor





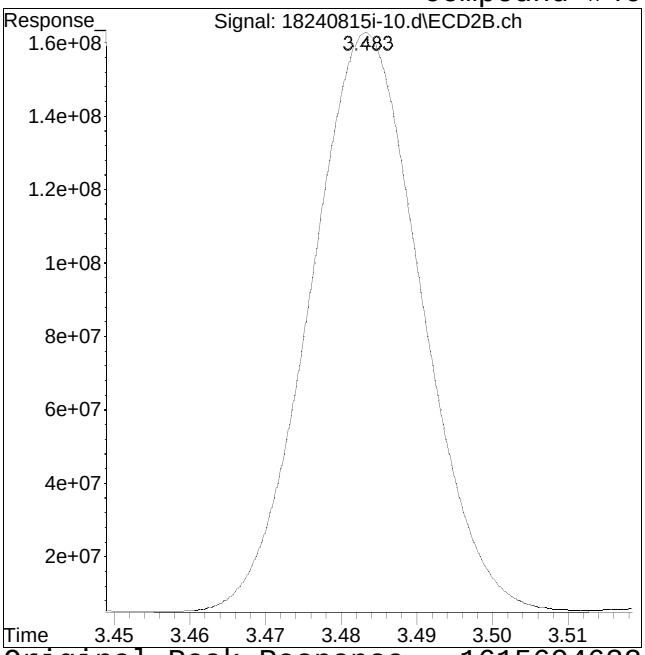
Original Peak Response = 2597330161 Manual Peak Response = 2563104443 M4
M4 = Poor automated baseline construction.

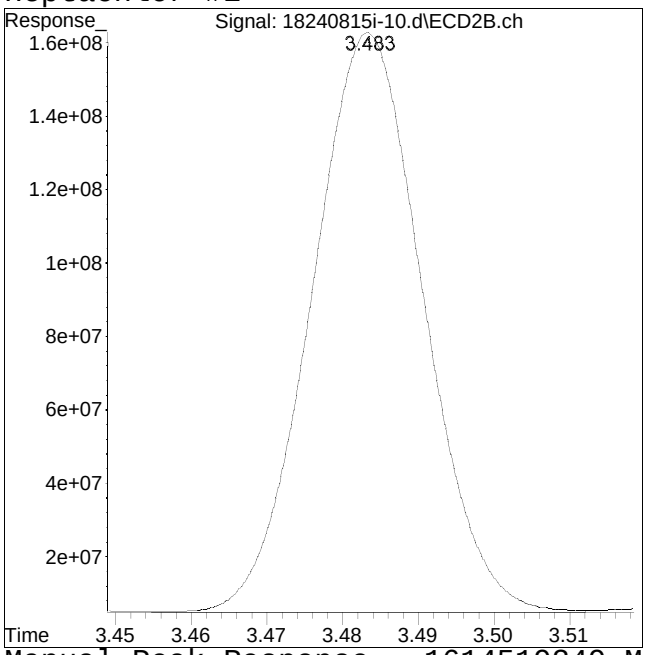
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-10.d
Date Inj'd : 8/15/2024 15:25
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:07 am

Compound #46: Heptachlor #2



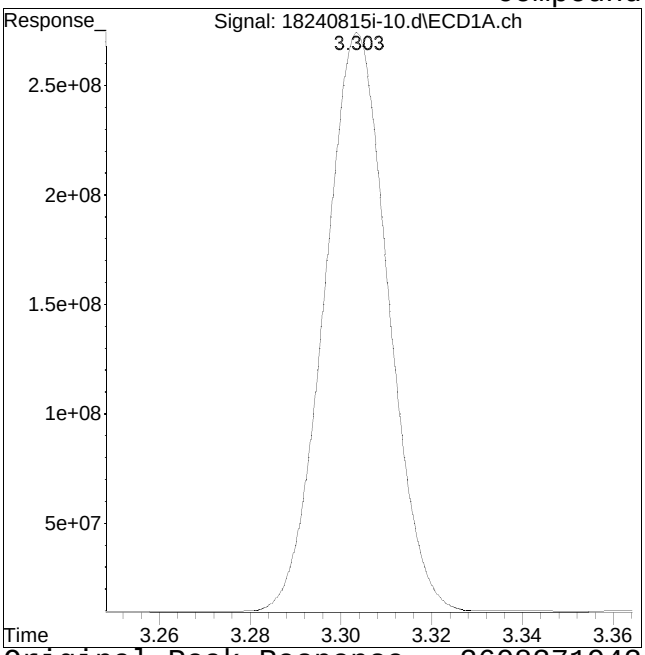


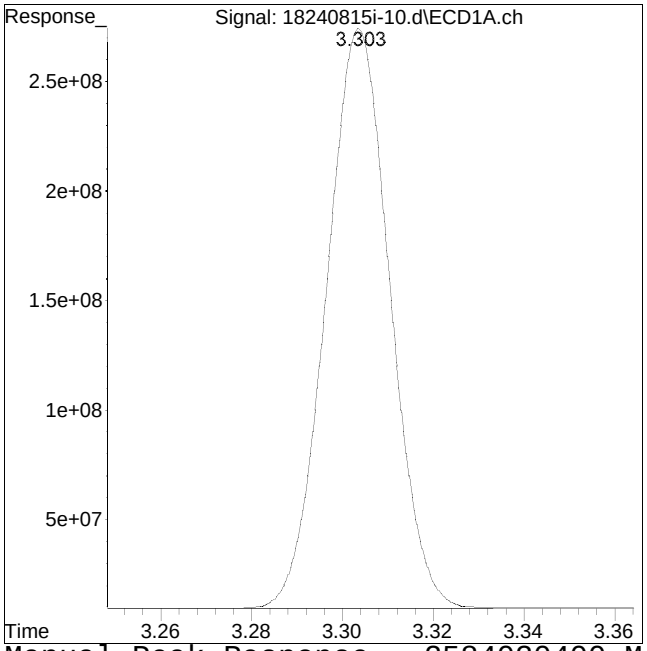
Original Peak Response = 1615694632 Manual Peak Response = 1614519249 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #9: Aldrin



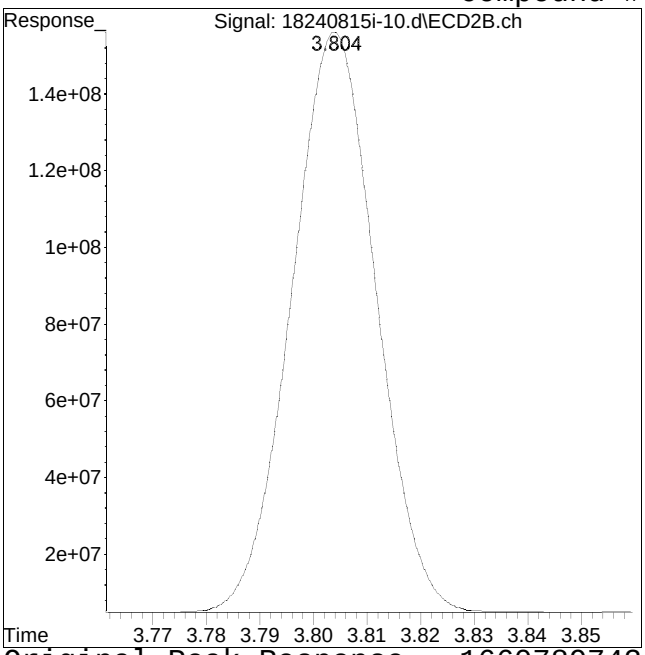


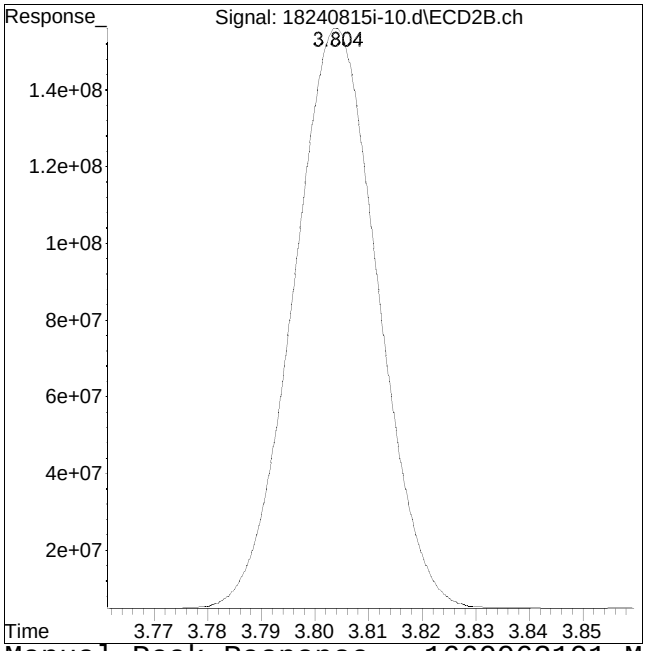
Original Peak Response = 2608371943 Manual Peak Response = 2584030400 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #47: Aldrin #2



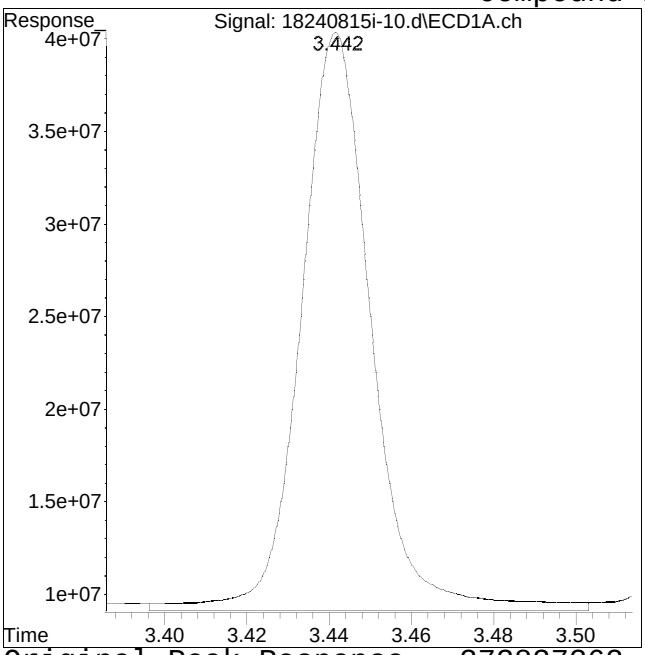


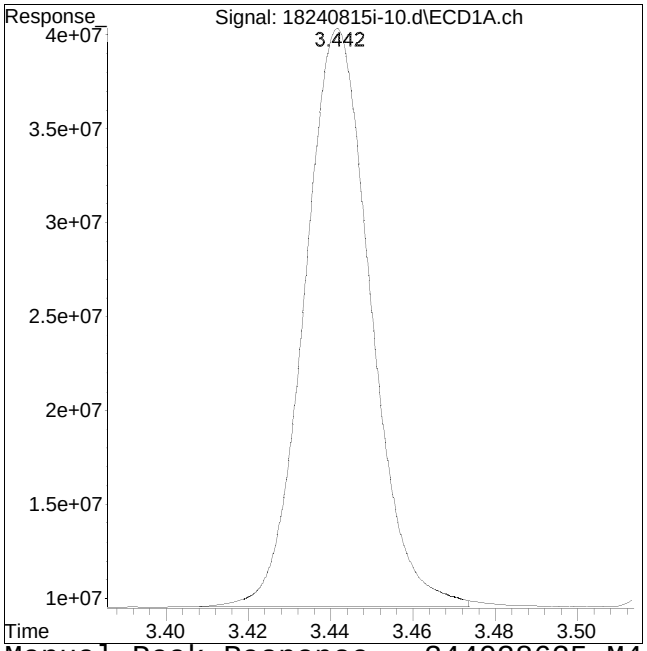
Original Peak Response = 1660789743 Manual Peak Response = 1660062101 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #10: Alachlor



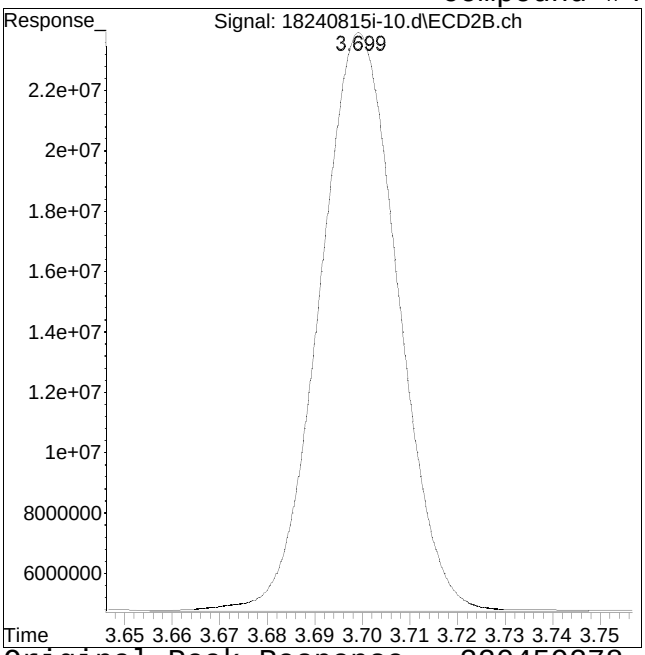


Original Peak Response = 373837362 Manual Peak Response = 344038635 M4
M4 = Poor automated baseline construction.

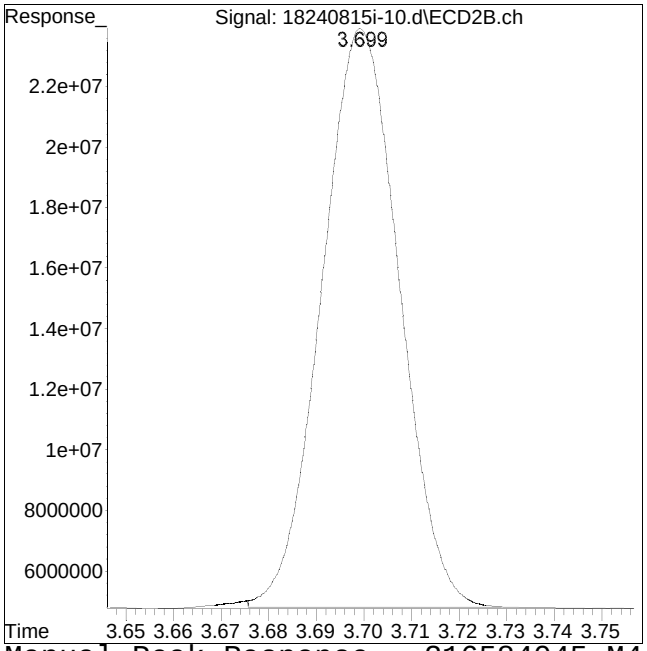
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #48: Alachlor #2



Original Peak Response = 220459278



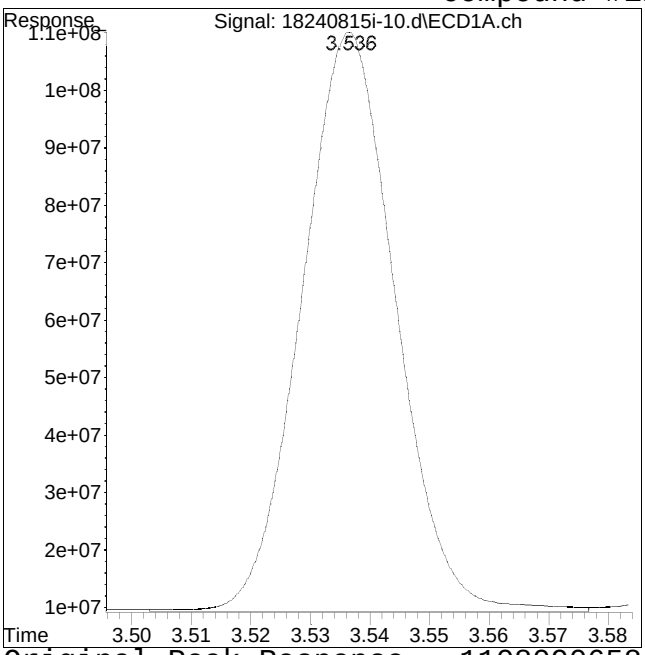
Manual Peak Response = 216584045 M4

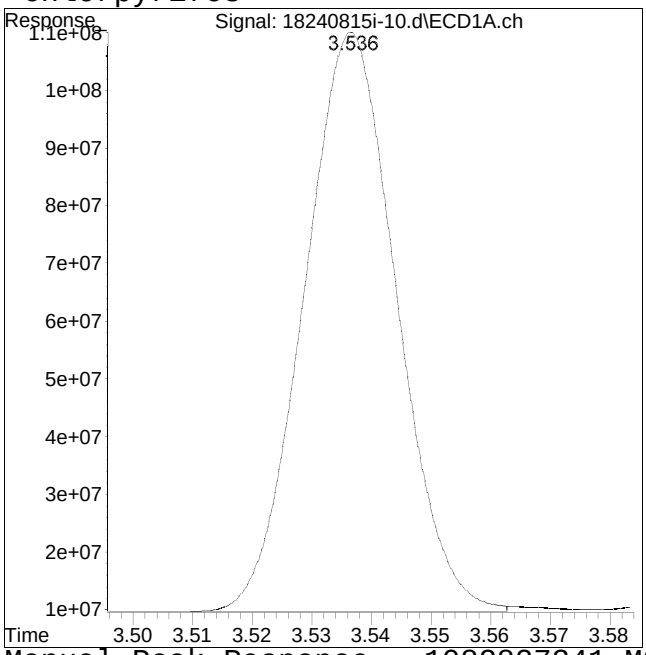
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #11: Chlorpyrifos



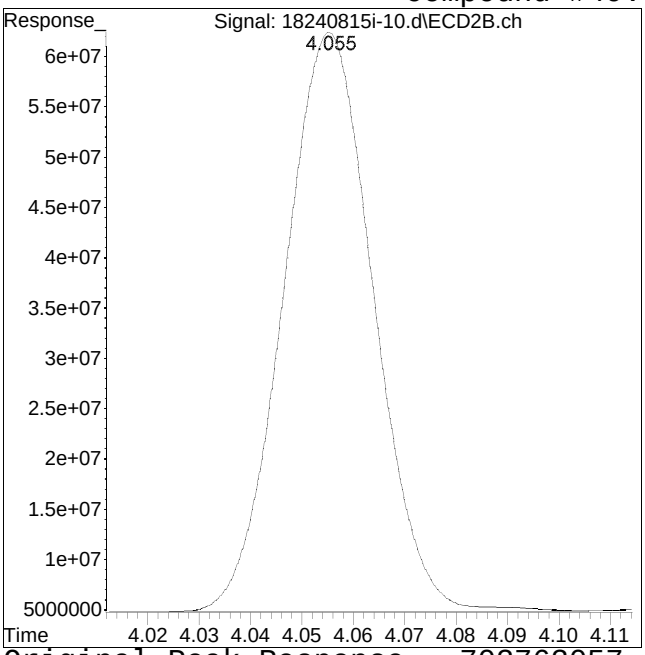


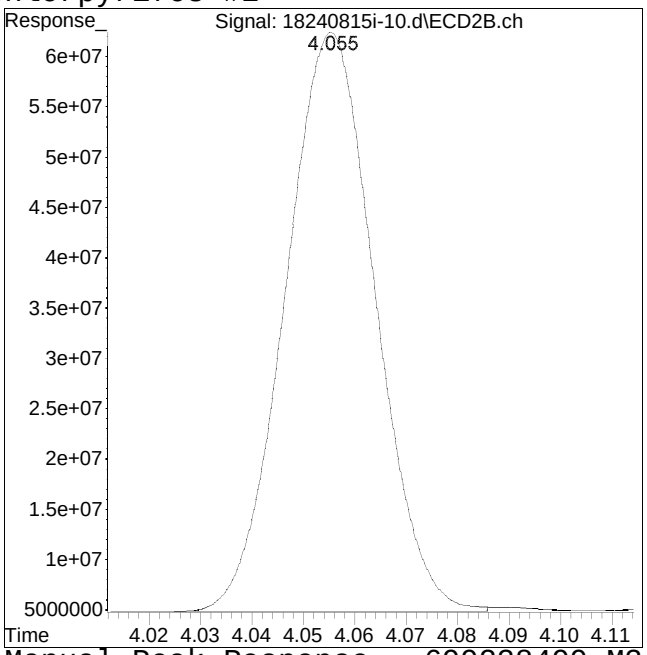
Original Peak Response = 1108090658 Manual Peak Response = 1082827341 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #49: Chlorpyrifos #2



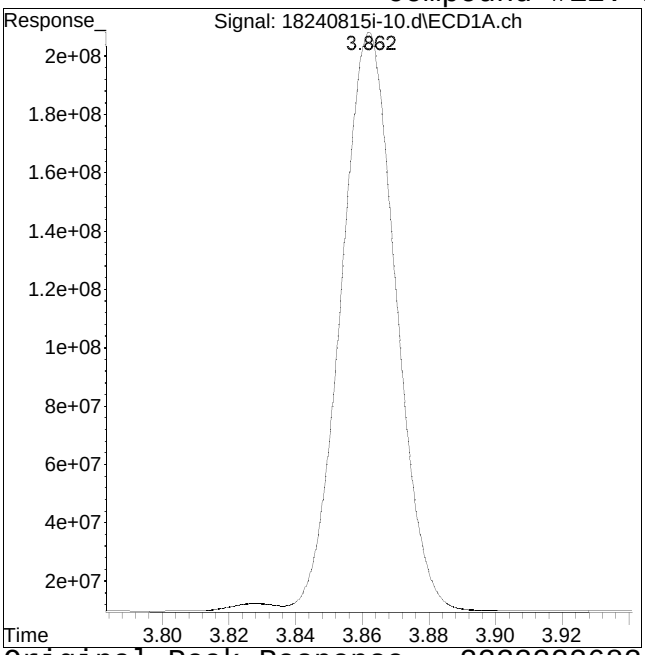


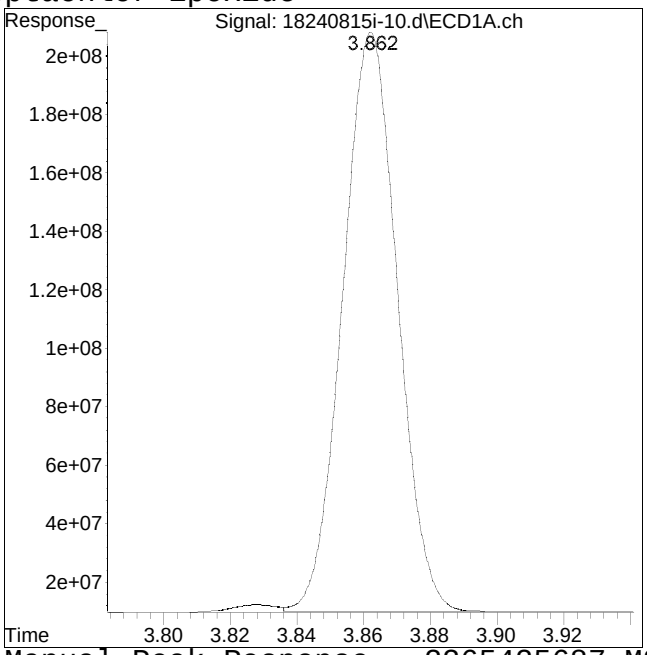
Original Peak Response = 703763057 Manual Peak Response = 699238499 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #12: Heptachlor Epoxide



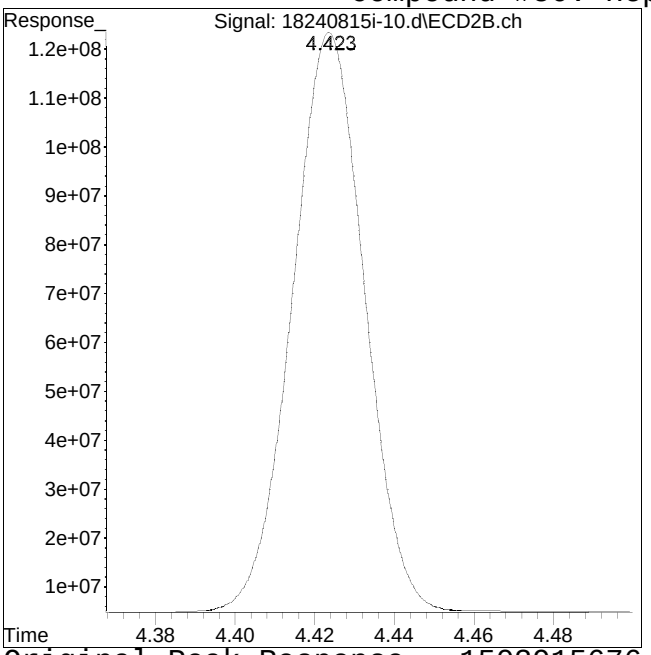


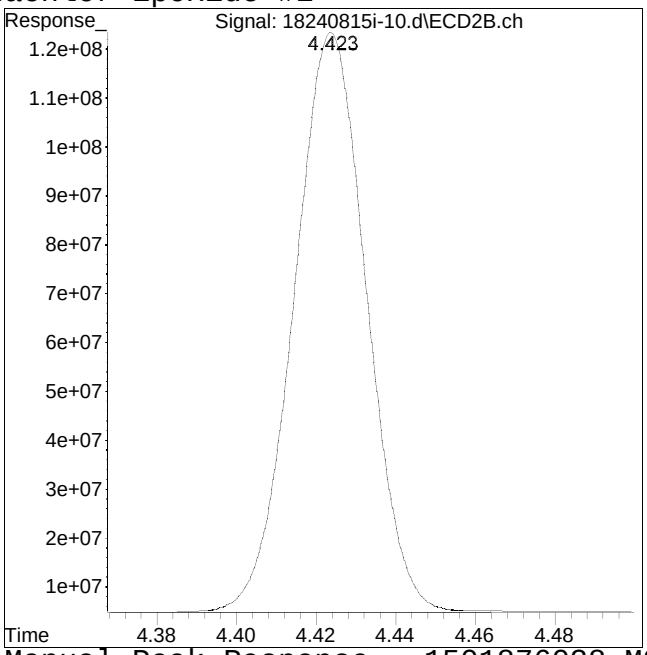
Original Peak Response = 2333323683 Manual Peak Response = 2265425687 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #50: Heptachlor Epoxide #2



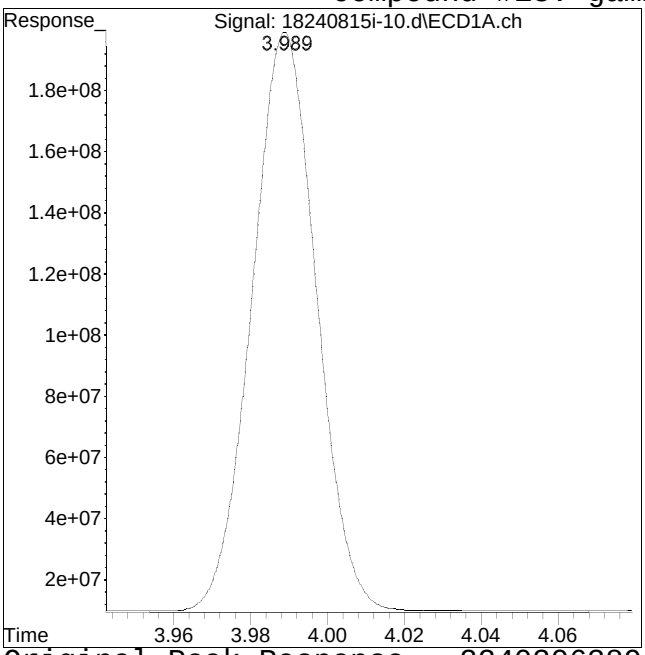


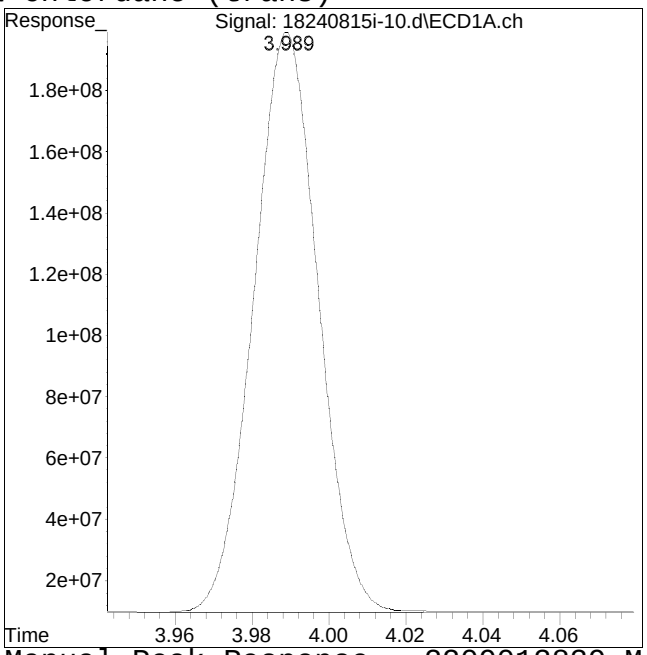
Original Peak Response = 1503915676 Manual Peak Response = 1501876038 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #13: gamma-Chlordane (trans)



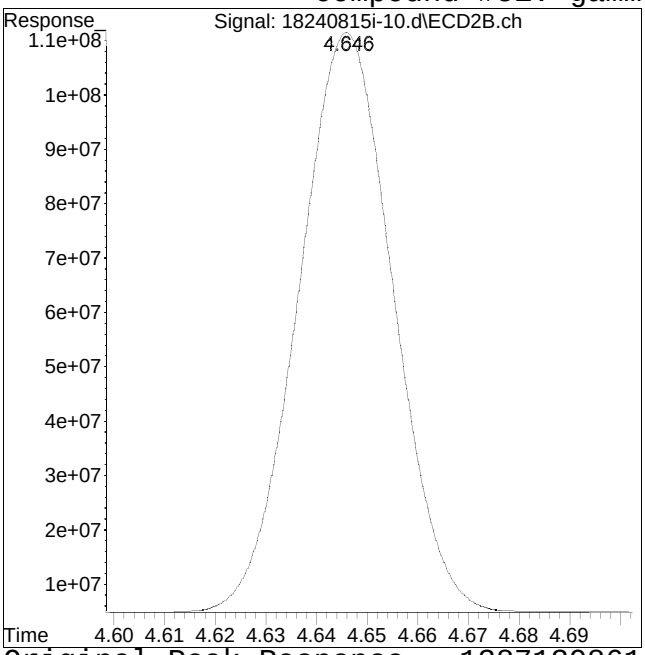


Original Peak Response = 2240306389 Manual Peak Response = 2209013839 M4
M4 = Poor automated baseline construction.

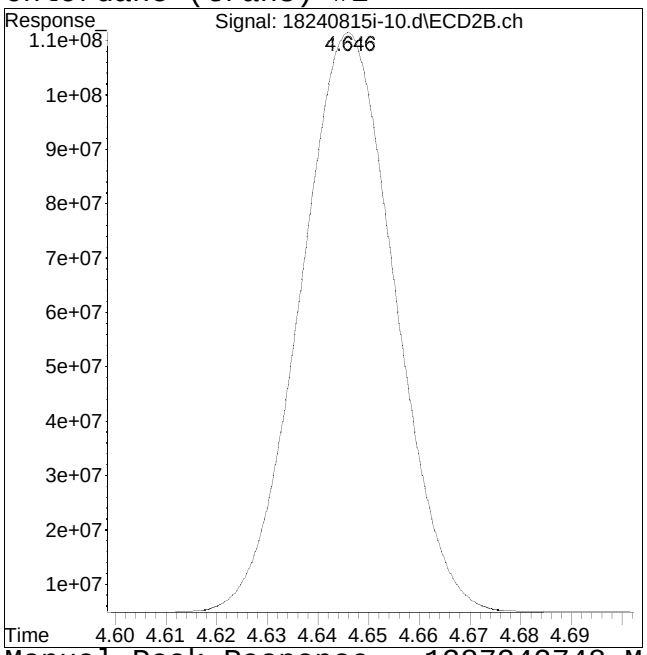
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 1387139861



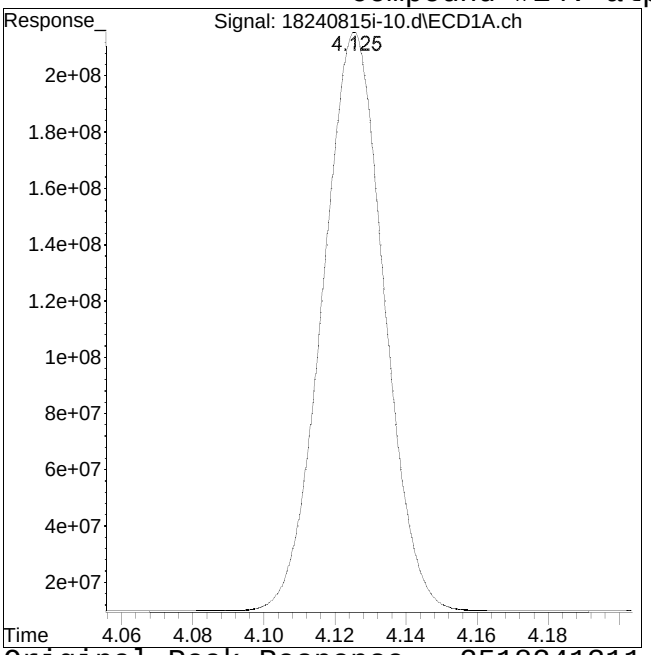
Manual Peak Response = 1387242748 M4

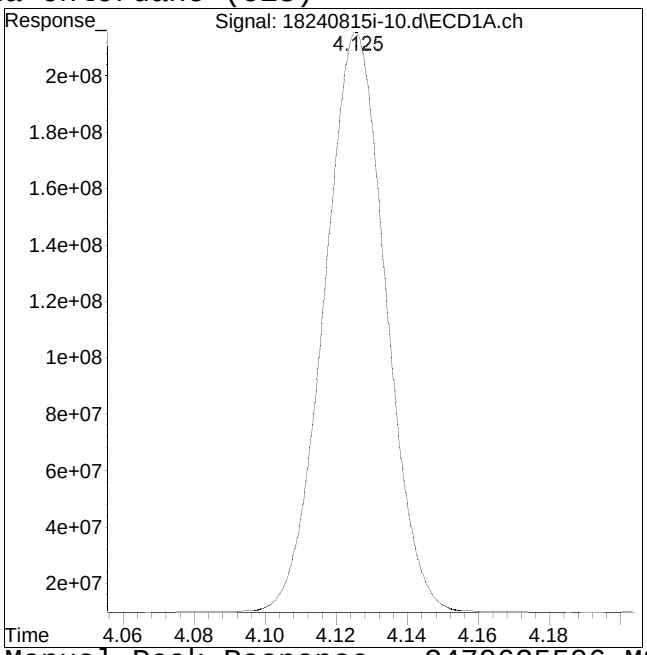
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #14: alpha-Chlordane (cis)



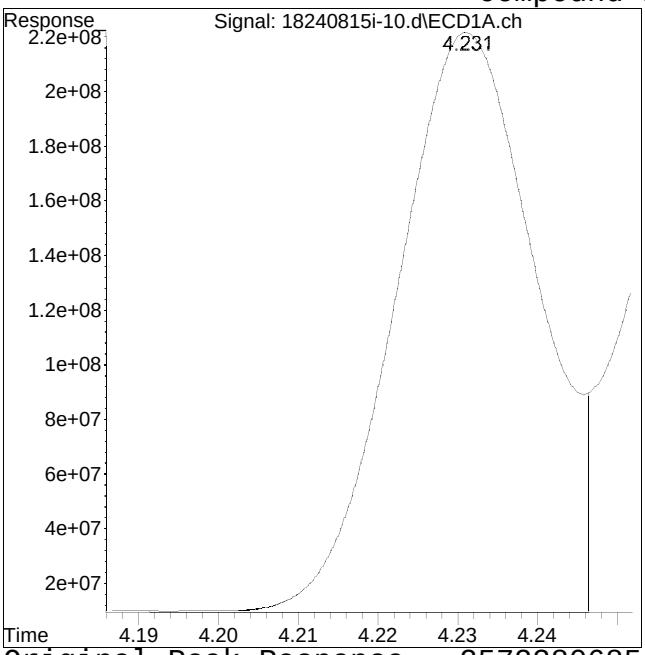


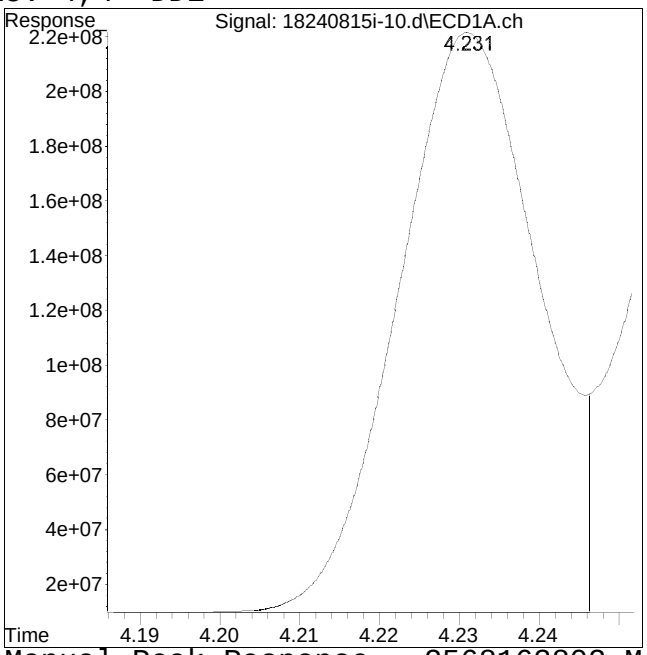
Original Peak Response = 2518241311 Manual Peak Response = 2479625506 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #15: 4,4'-DDE



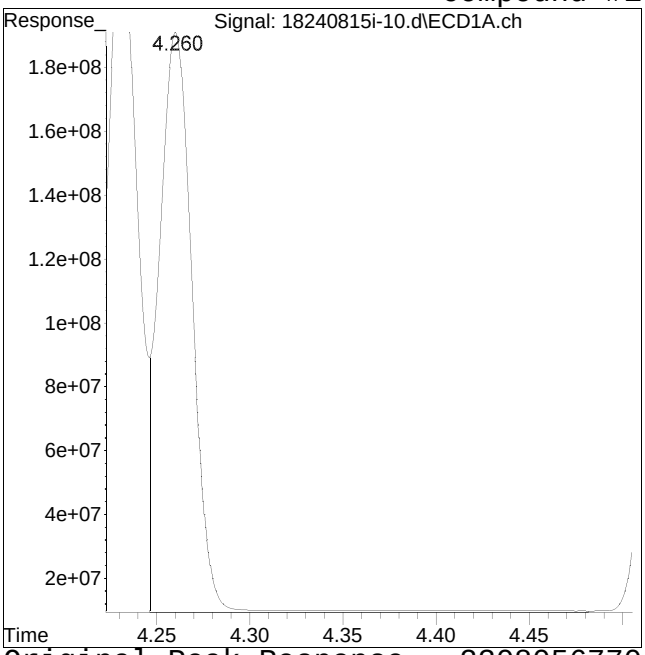


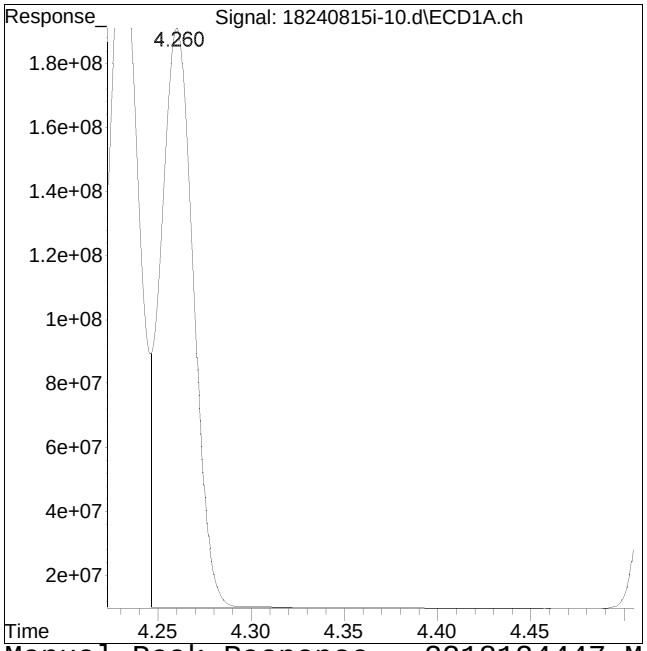
Original Peak Response = 2572380685 Manual Peak Response = 2568163802 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #16: Endosulfan I



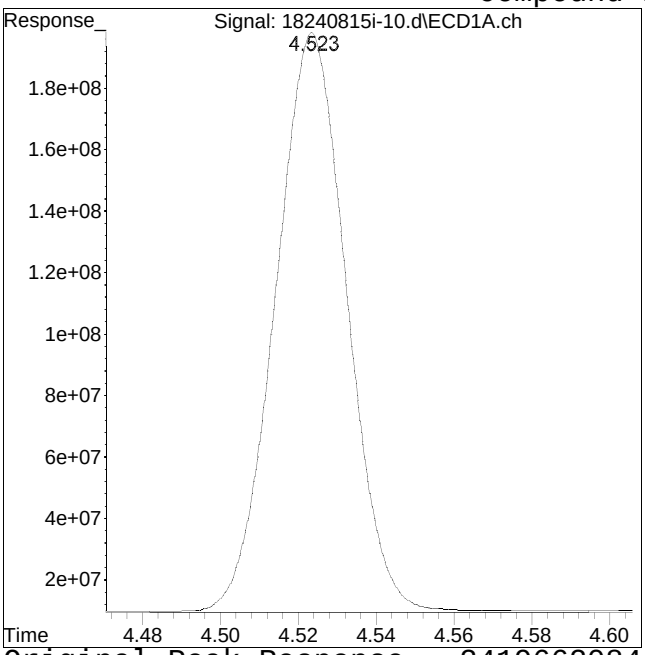


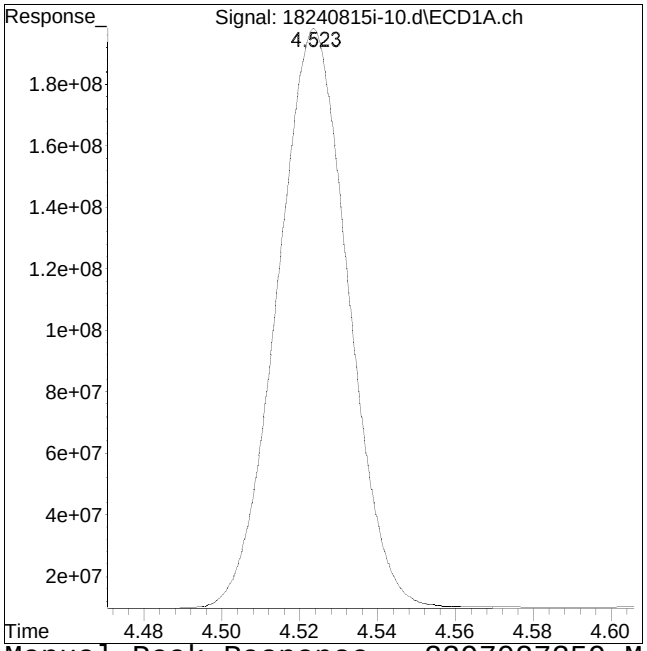
Original Peak Response = 2308056770 Manual Peak Response = 2218124447 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #17: Dieldrin





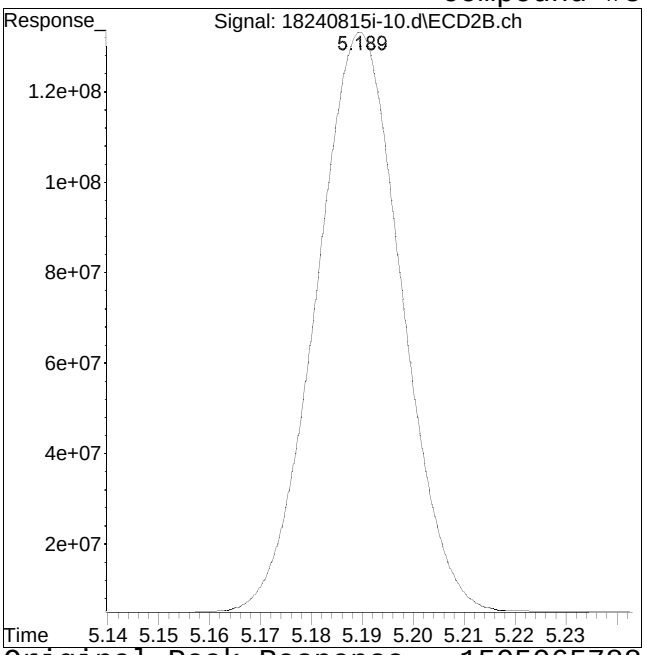
Original Peak Response = 2419662084 Manual Peak Response = 2397027359 M4
M4 = Poor automated baseline construction.

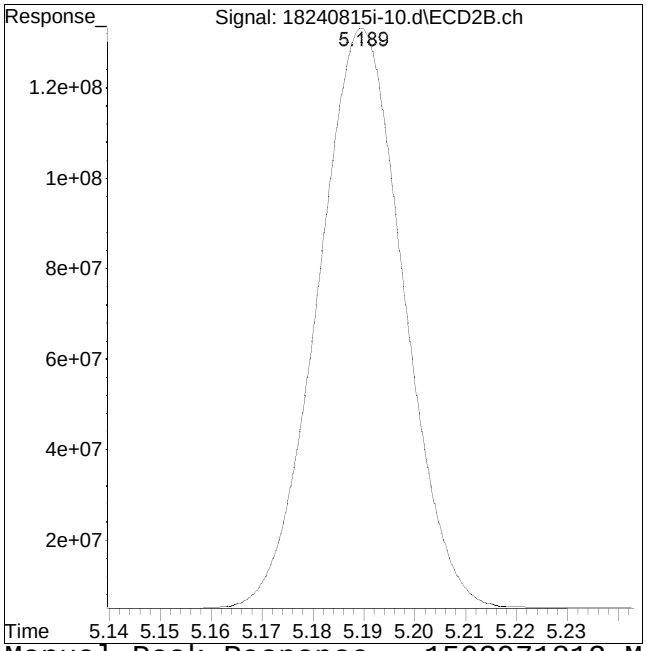
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-10.d
Date Inj'd : 8/15/2024 15:25
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:07 am

Compound #55: Dieldrin #2



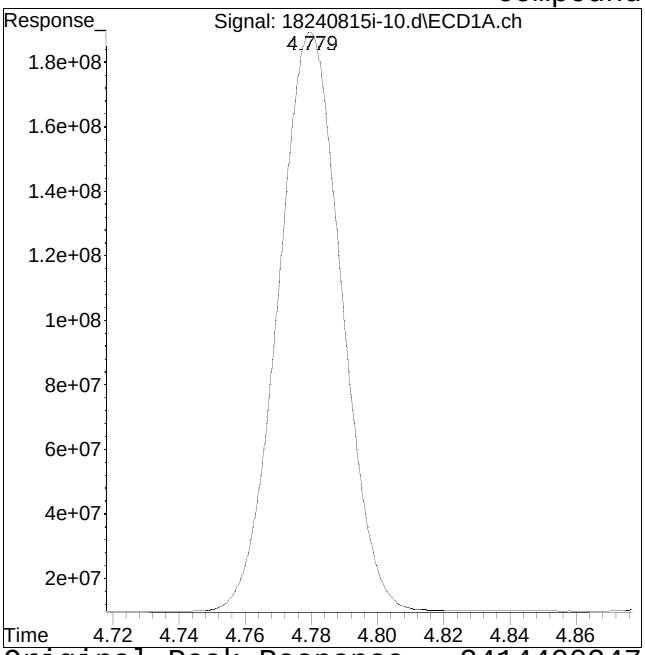


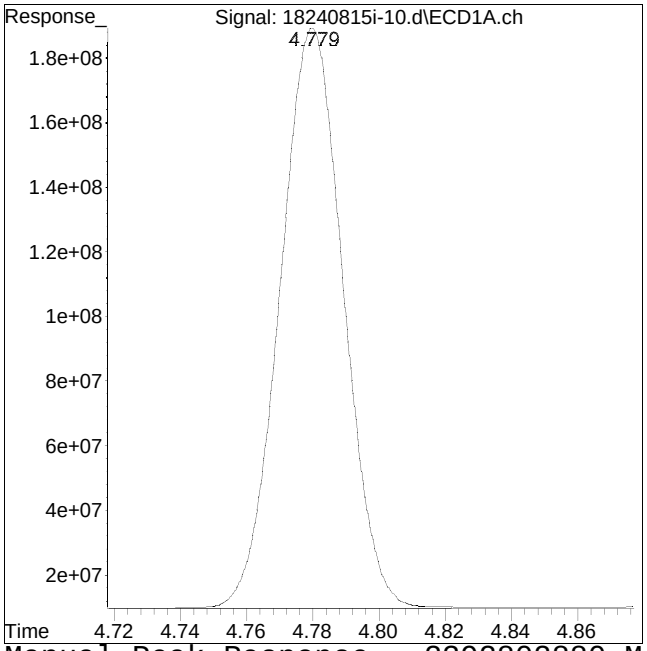
Original Peak Response = 1505065788 Manual Peak Response = 1503971812 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #18: Endrin



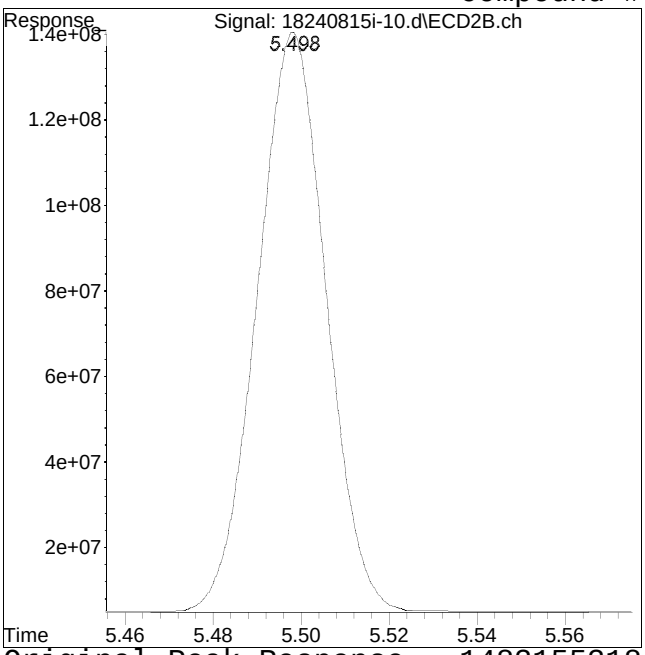


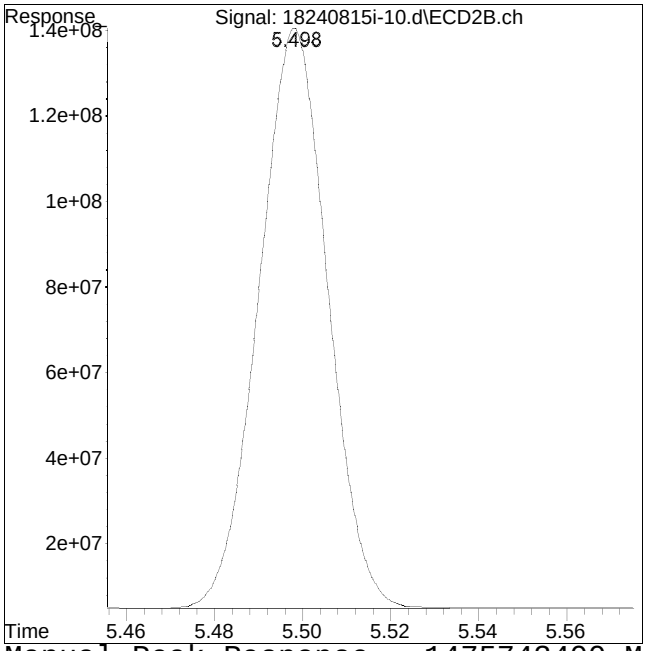
Original Peak Response = 2414400247 Manual Peak Response = 2392802880 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #56: Endrin #2



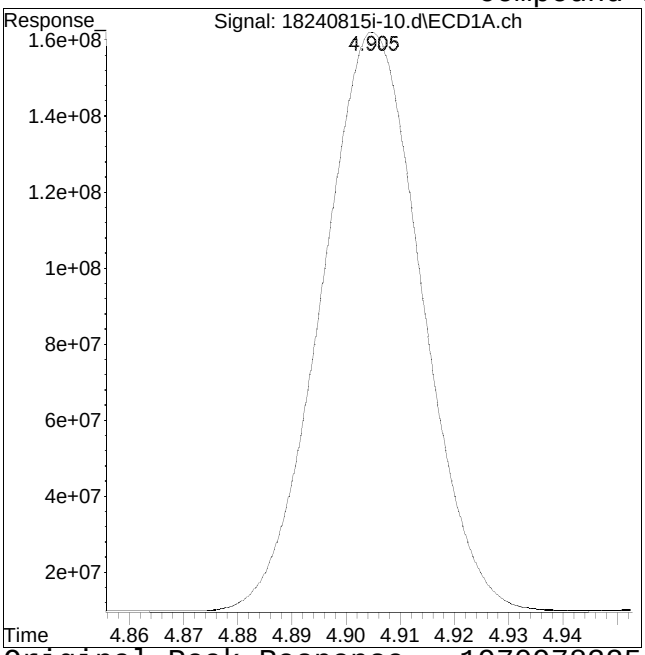


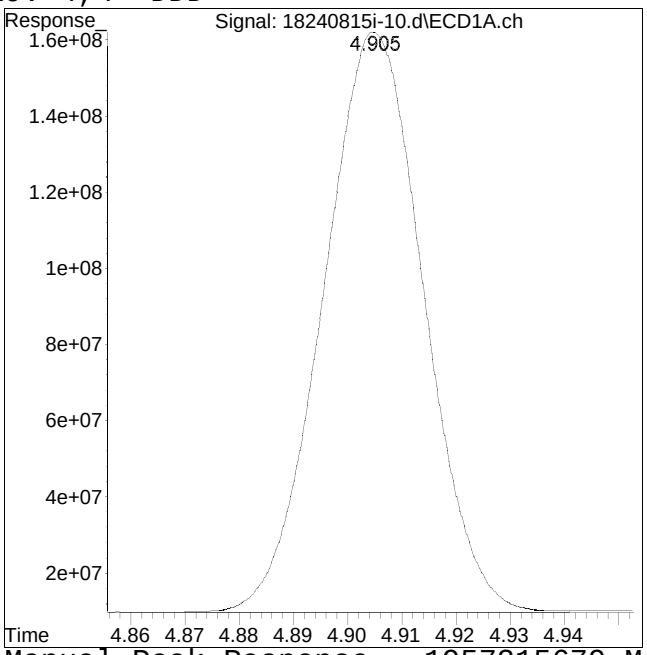
Original Peak Response = 1483155318 Manual Peak Response = 1475743400 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #19: 4,4'-DDD



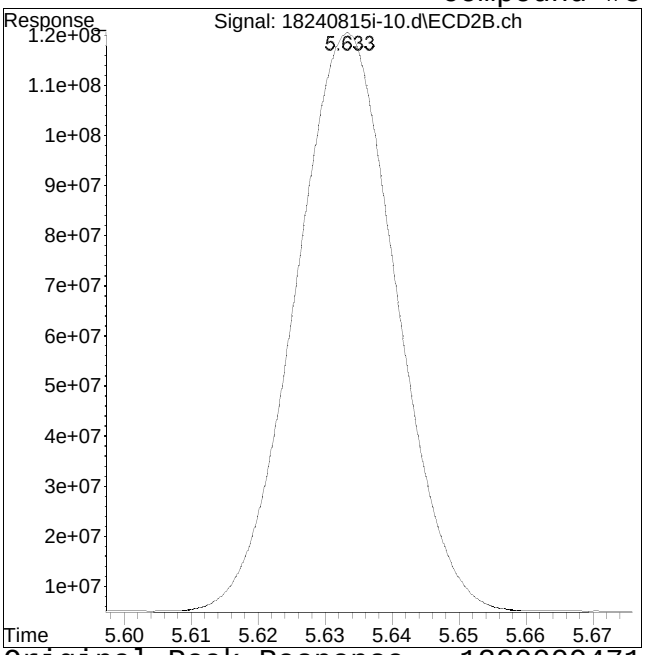


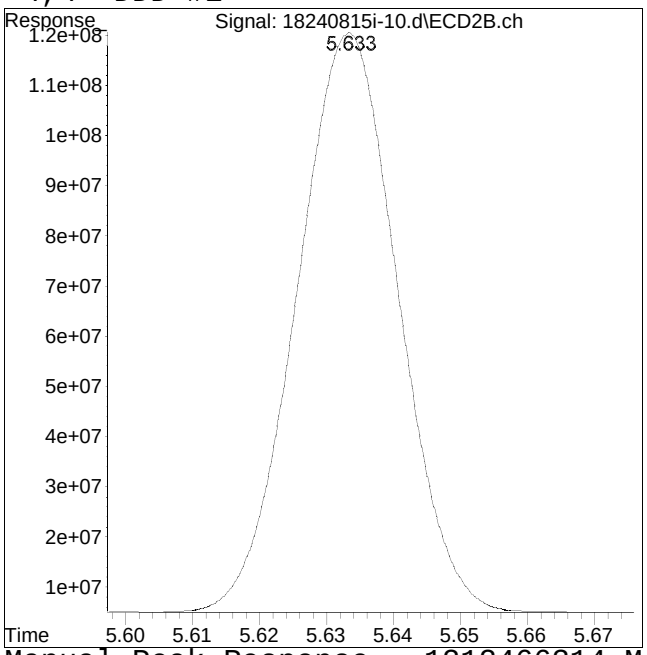
Original Peak Response = 1970978325 Manual Peak Response = 1957215679 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #57: 4,4'-DDD #2



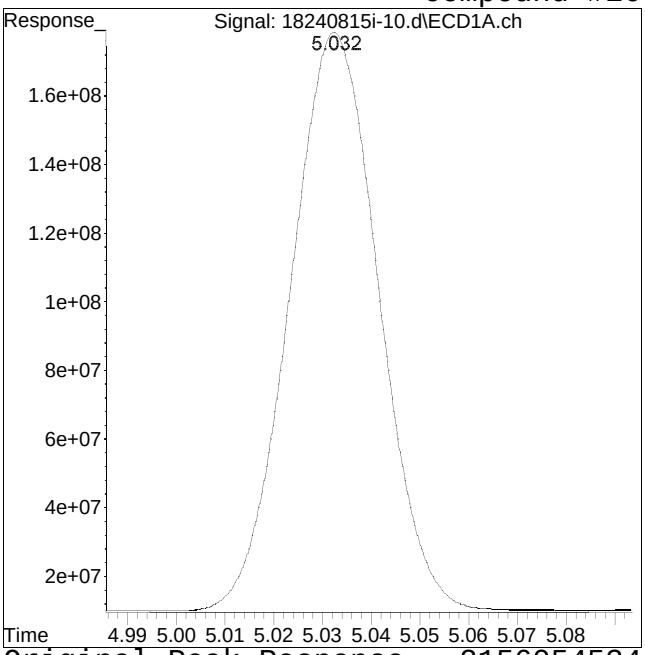


Original Peak Response = 1220009471 Manual Peak Response = 1212466314 M4
M4 = Poor automated baseline construction.

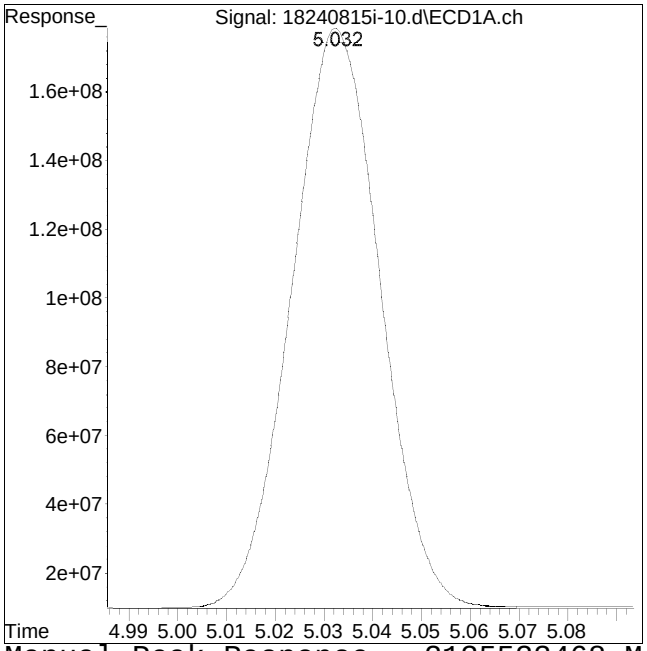
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #20: Endosulfan II



Original Peak Response = 2156054534



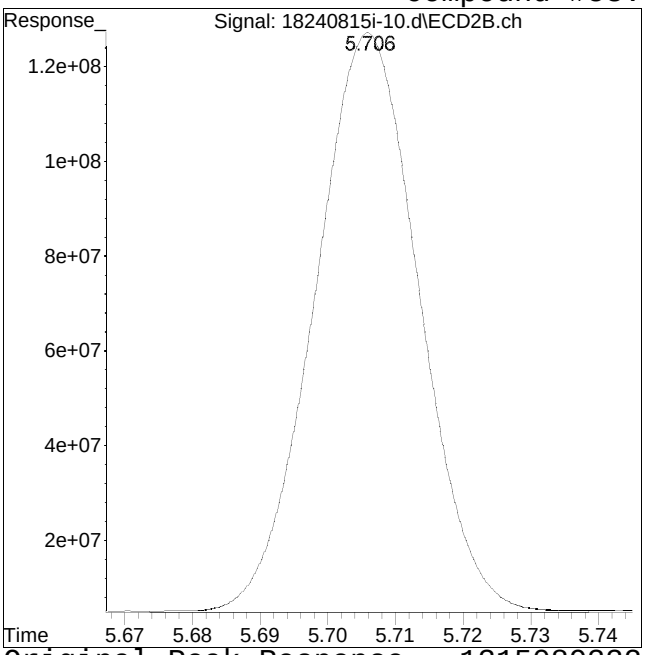
Manual Peak Response = 2135533468 M4

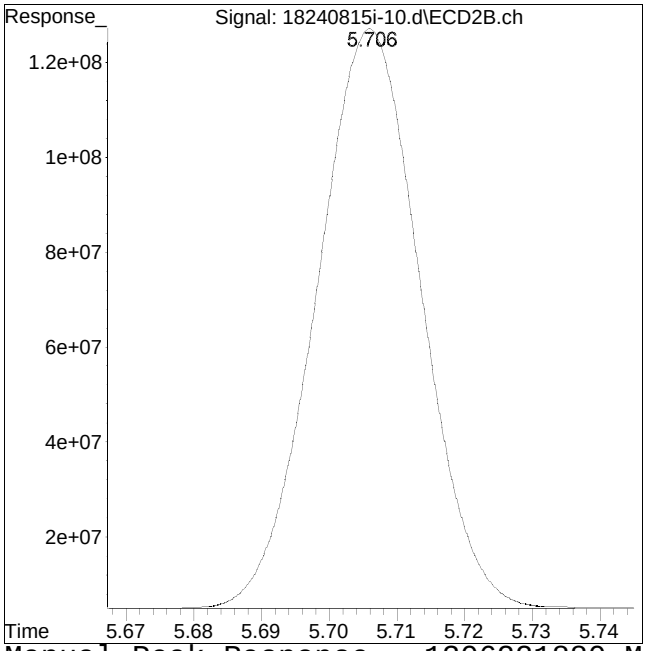
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #58: Endosulfan II #2



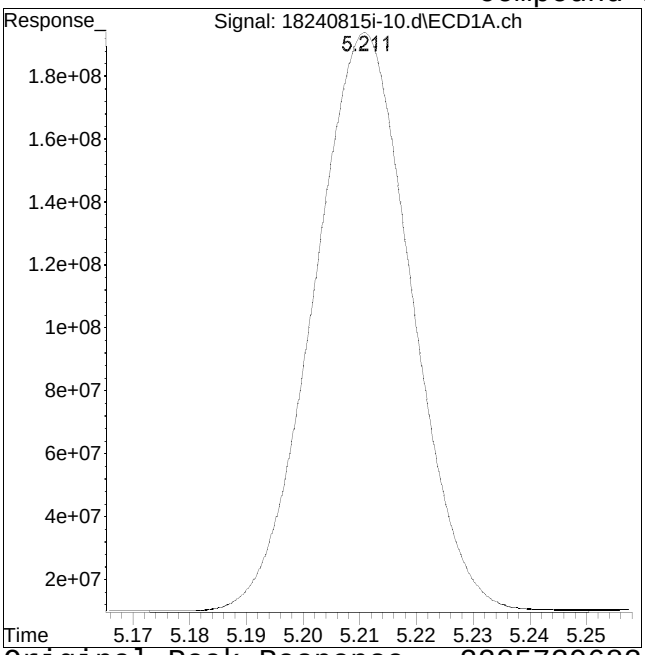


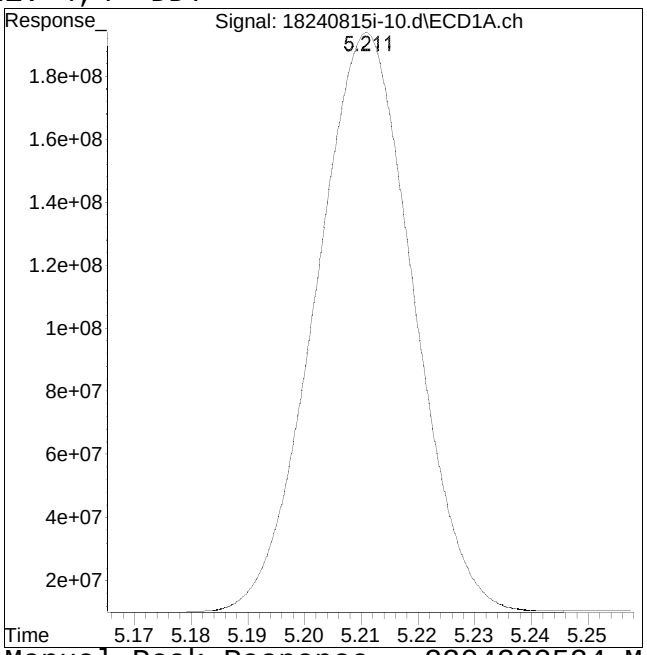
Original Peak Response = 1315089332 Manual Peak Response = 1306221880 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #21: 4,4'-DDT



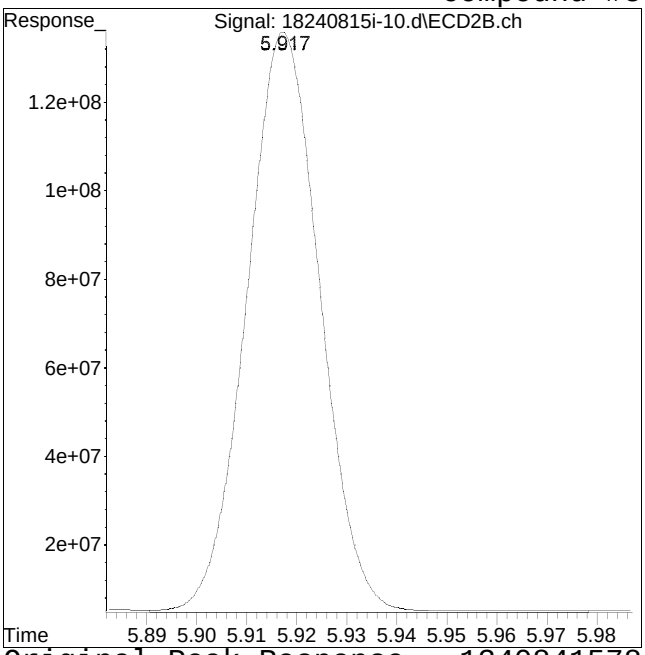


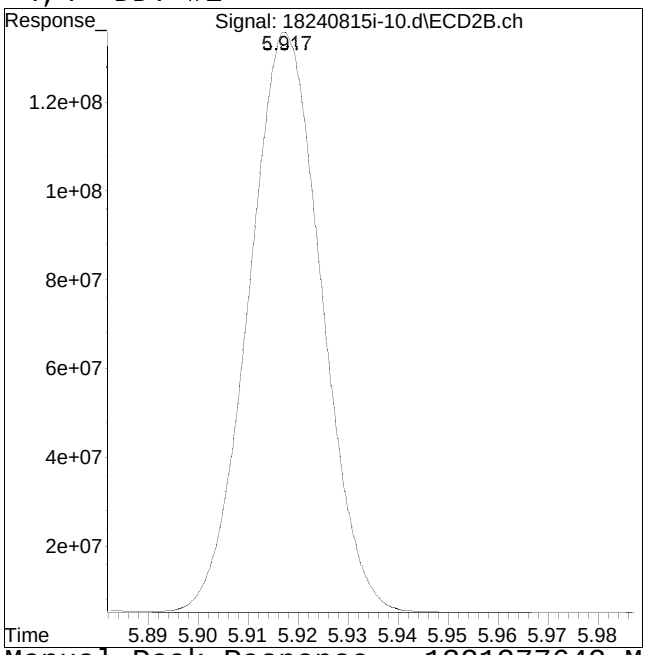
Original Peak Response = 2225739683 Manual Peak Response = 2204222524 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #59: 4,4'-DDT #2



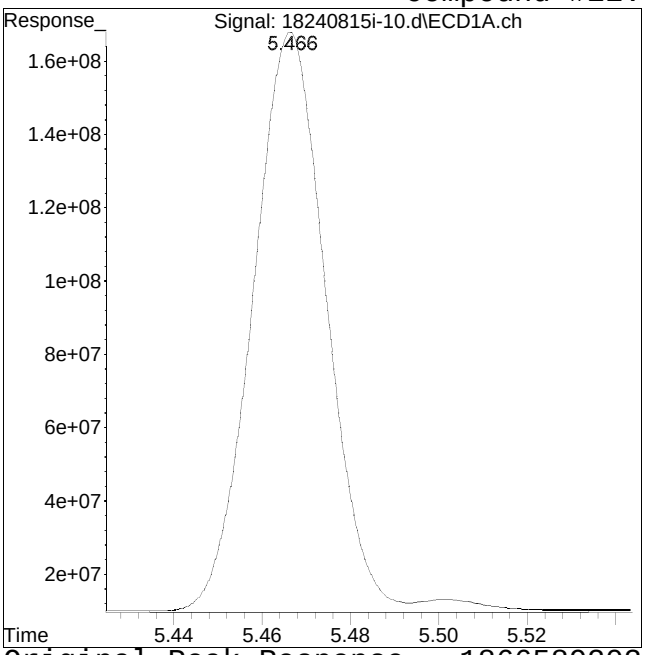


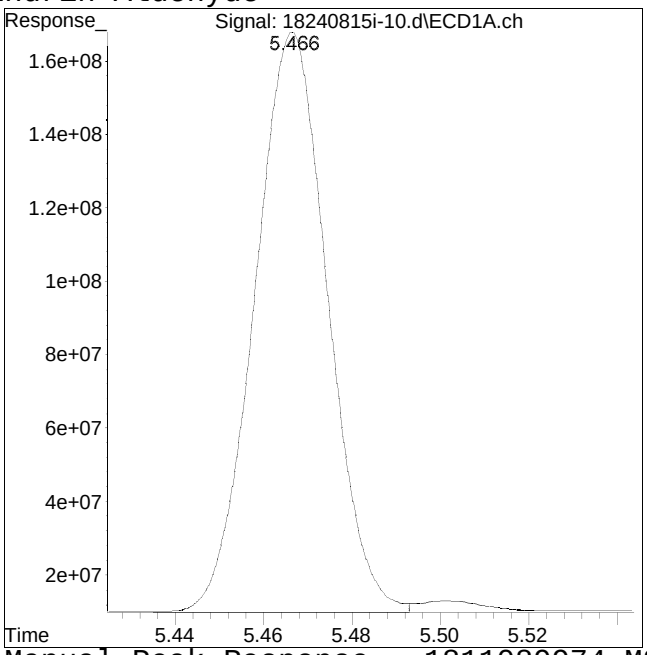
Original Peak Response = 1340841578 Manual Peak Response = 1321377642 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #22: Endrin Aldehyde



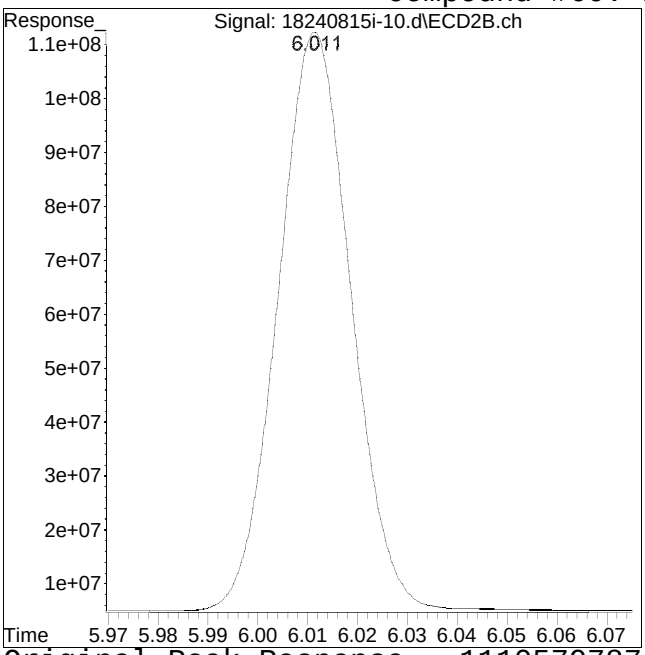


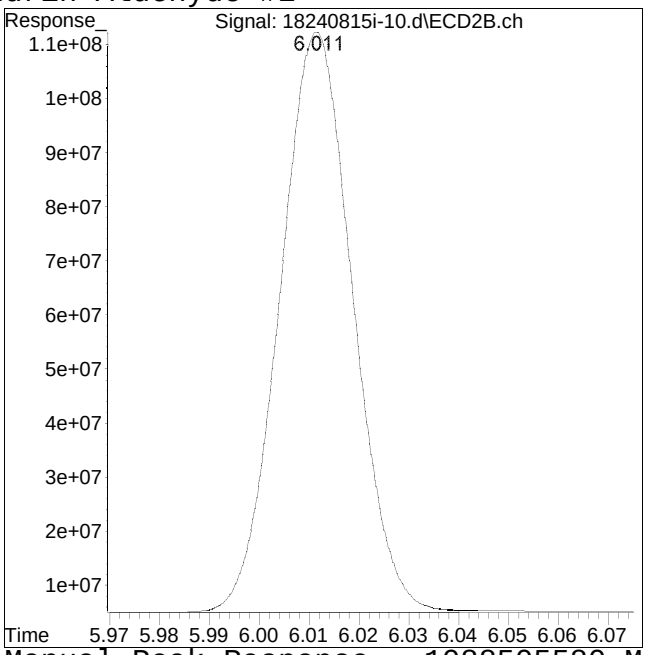
Original Peak Response = 1866589203 Manual Peak Response = 1811089974 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #60: Endrin Aldehyde #2



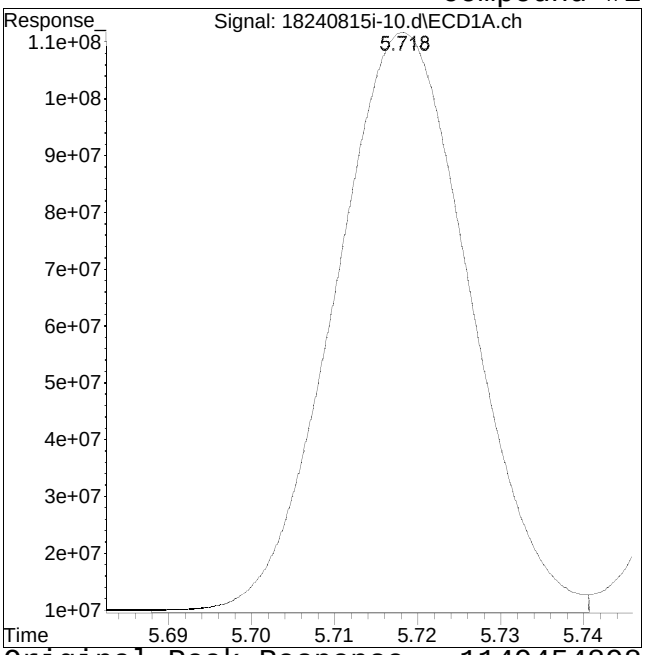


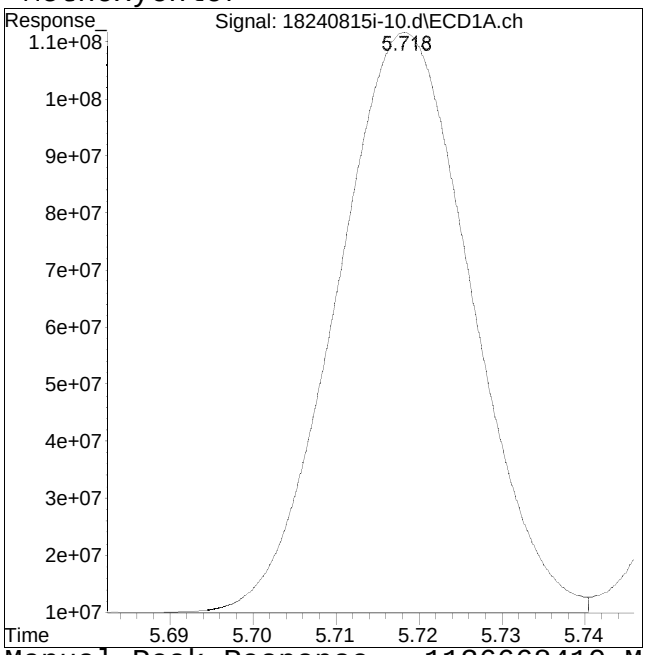
Original Peak Response = 1110579787 Manual Peak Response = 1088505580 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #23: Methoxychlor



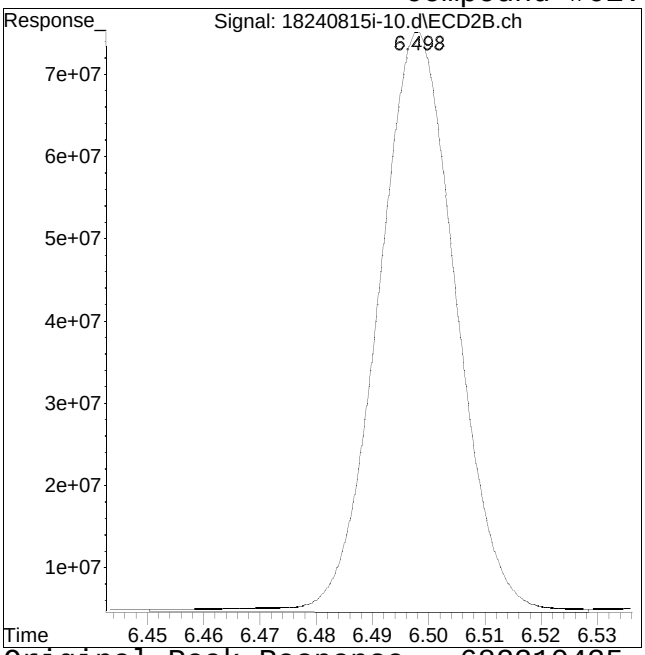


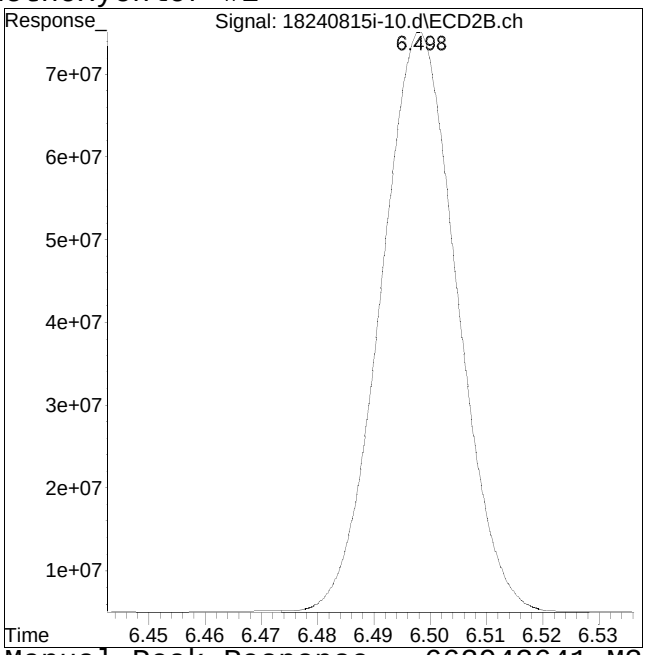
Original Peak Response = 1149454898 Manual Peak Response = 1136668410 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #61: Methoxychlor #2



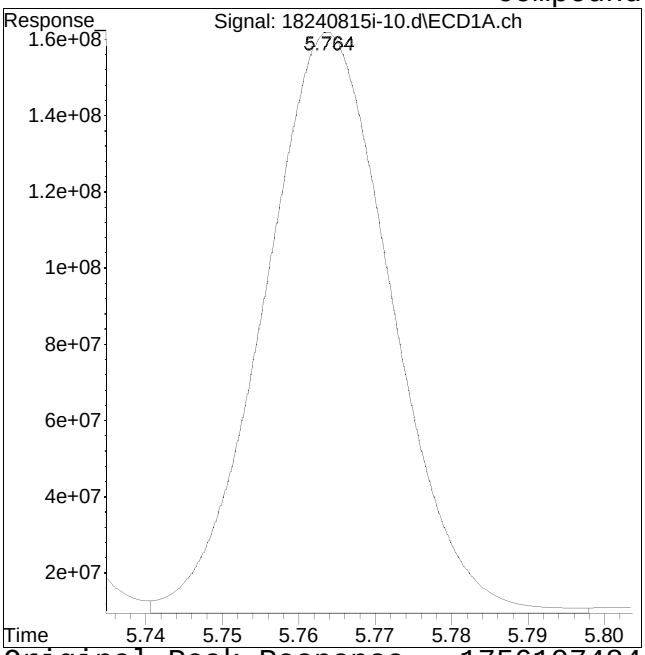


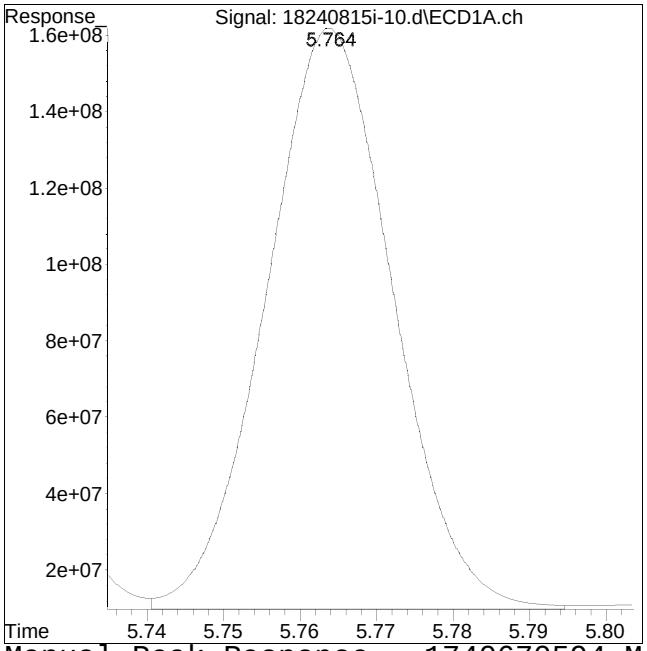
Original Peak Response = 682310435 Manual Peak Response = 662942641 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #24: Mirex



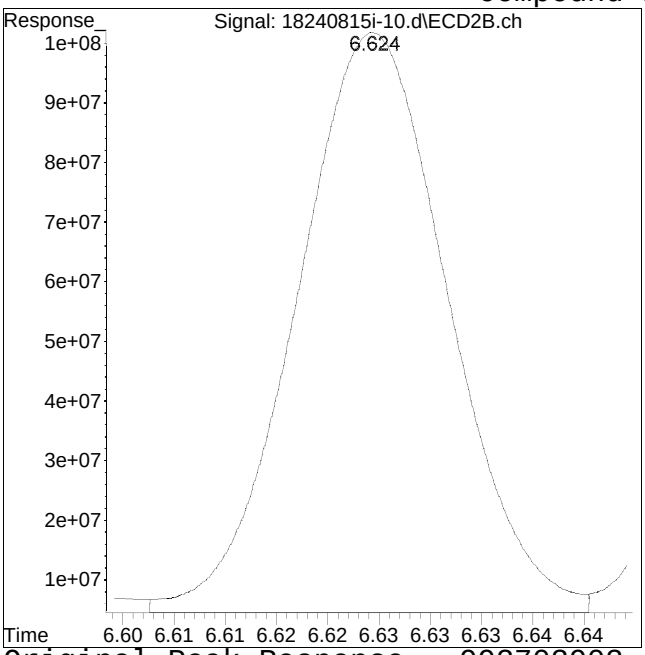


Original Peak Response = 1756107484 Manual Peak Response = 1740670594 M4
M4 = Poor automated baseline construction.

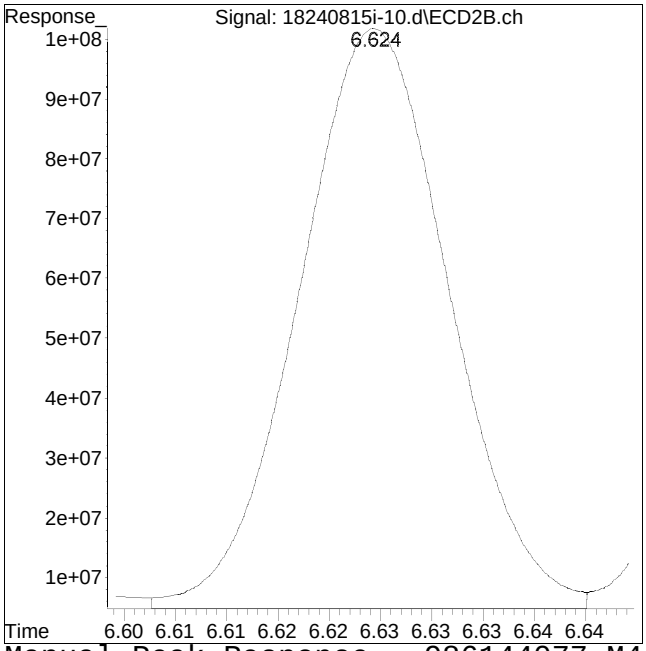
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #62: Mirex #2



Original Peak Response = 993703903



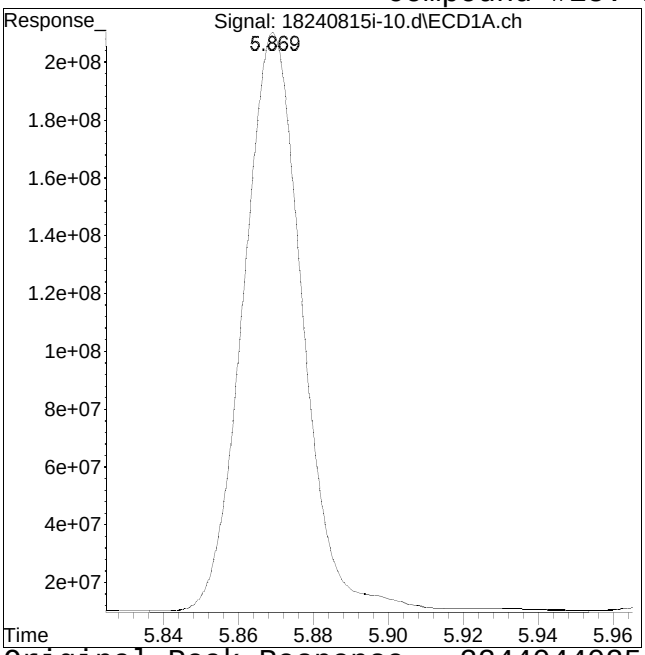
Manual Peak Response = 986144077 M4

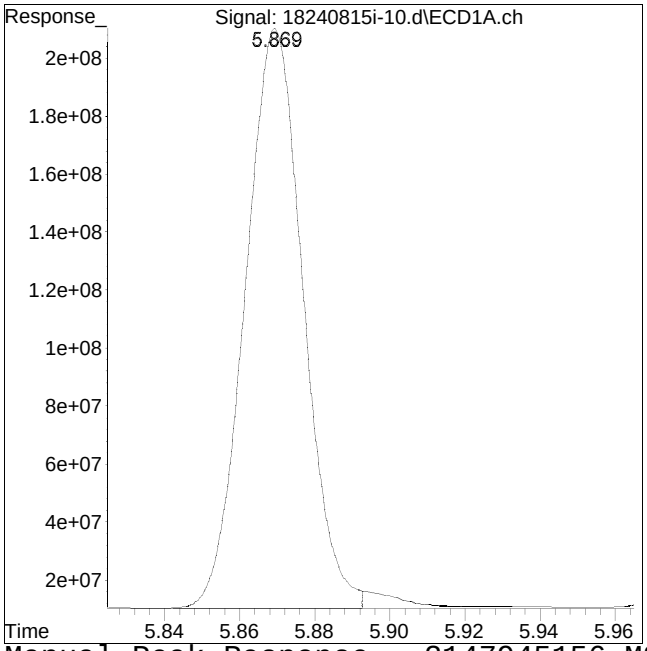
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #25: Endosulfan Sulfate





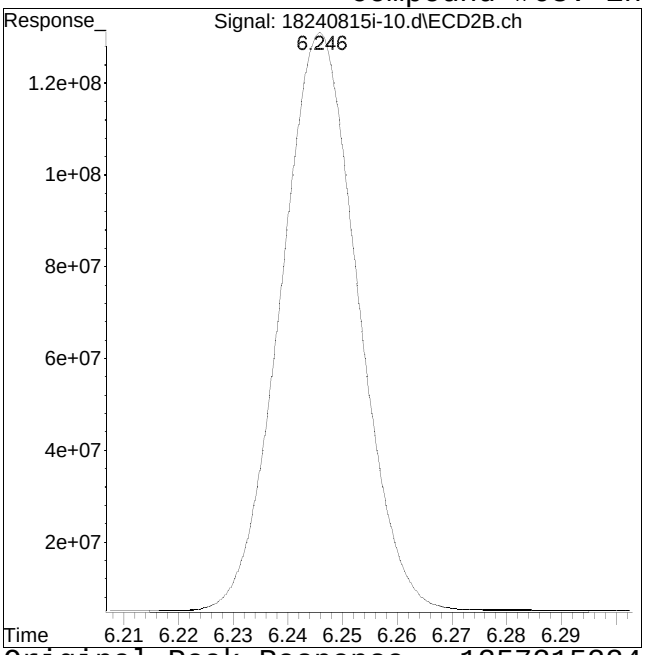
Original Peak Response = 2244044025 Manual Peak Response = 2147945156 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

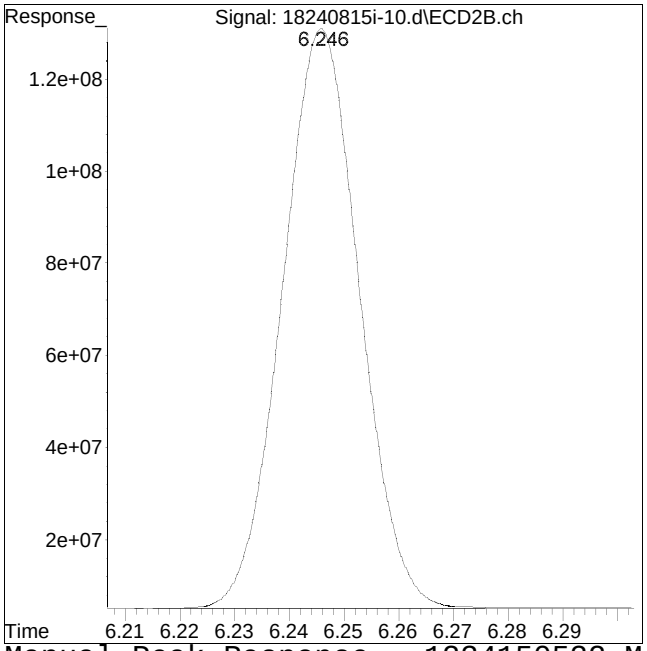
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-10.d
Date Inj'd : 8/15/2024 15:25
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:07 am

Compound #63: Endosulfan Sulfate #2



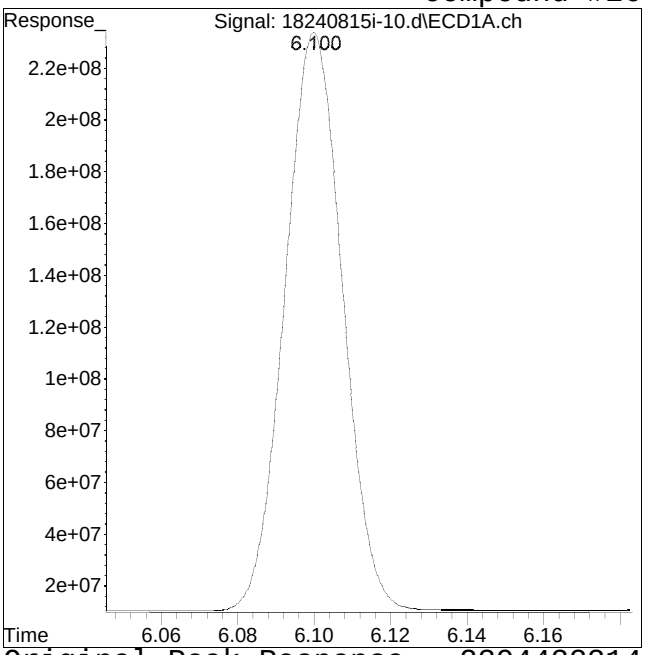


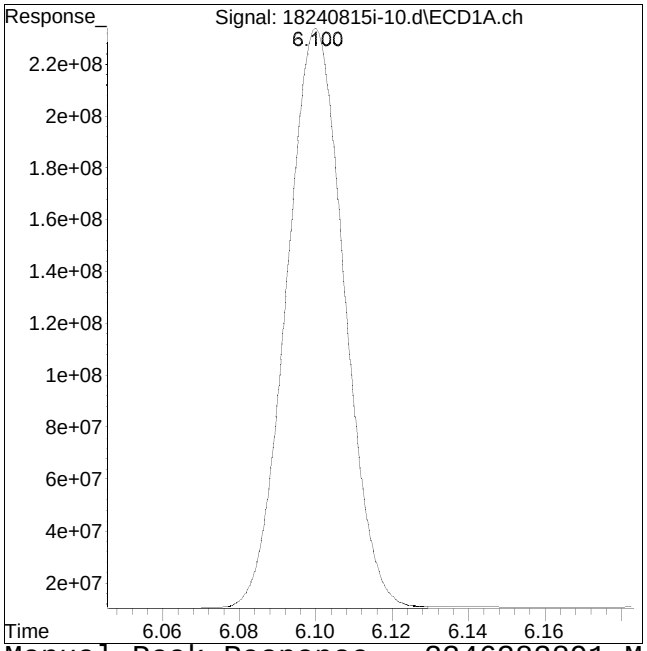
Original Peak Response = 1257215224 Manual Peak Response = 1234150532 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #26: Endrin Ketone



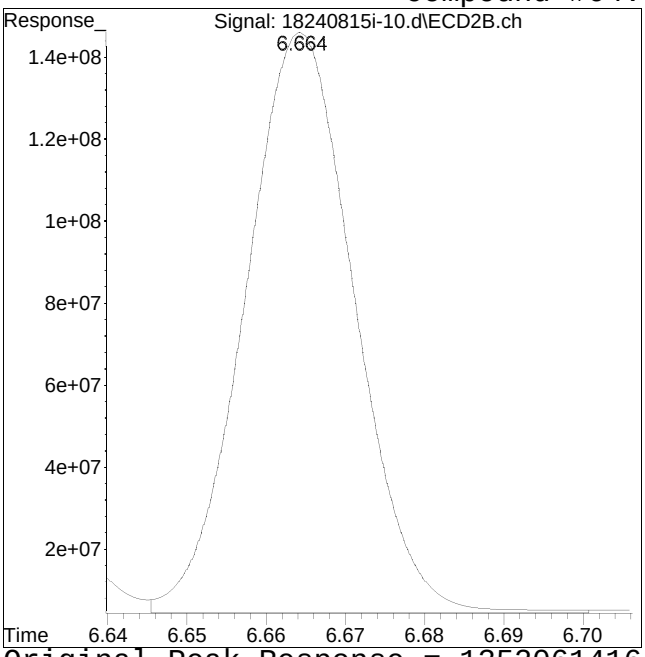


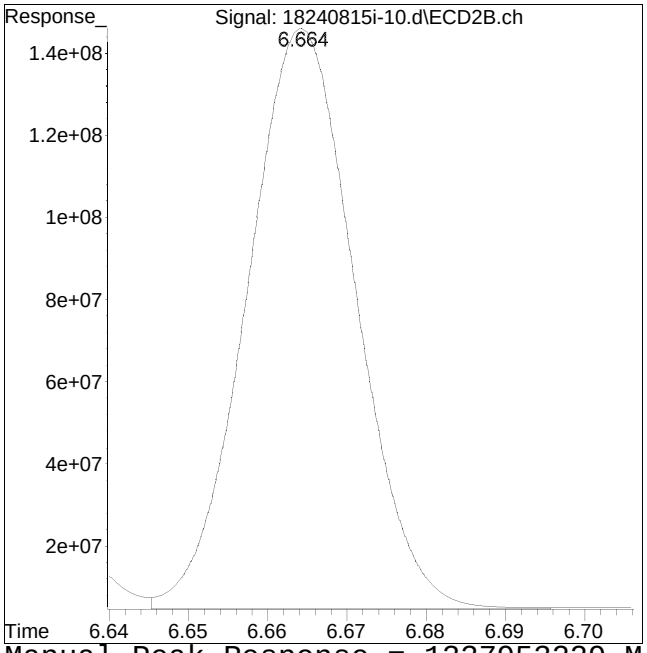
Original Peak Response = 2394422214 Manual Peak Response = 2346383891 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #64: Endrin Ketone #2



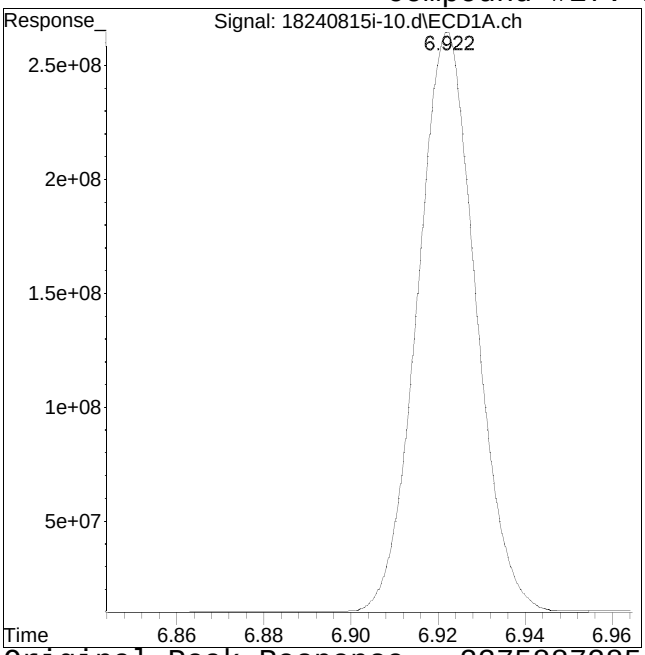


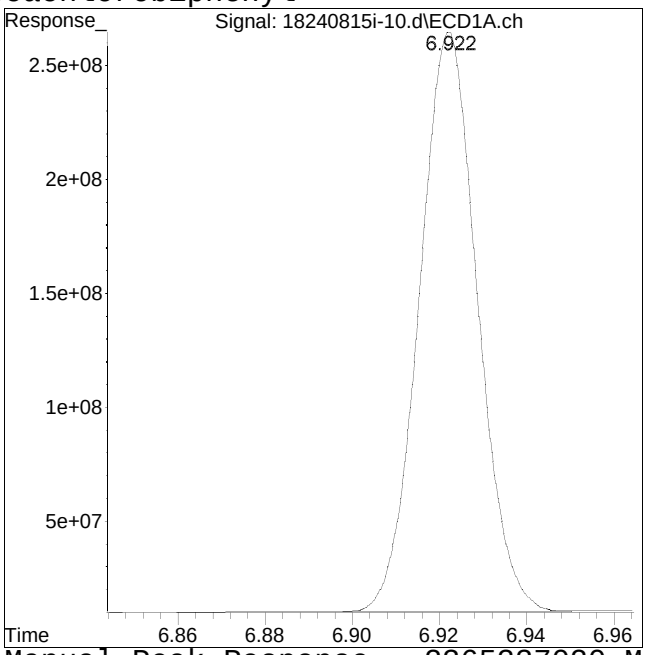
Original Peak Response = 1352061416 Manual Peak Response = 1337953229 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #27: Decachlorobiphenyl



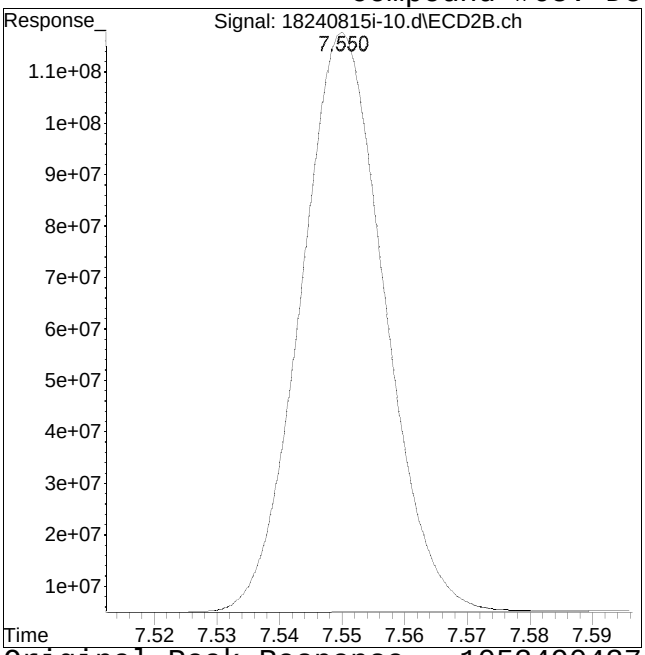


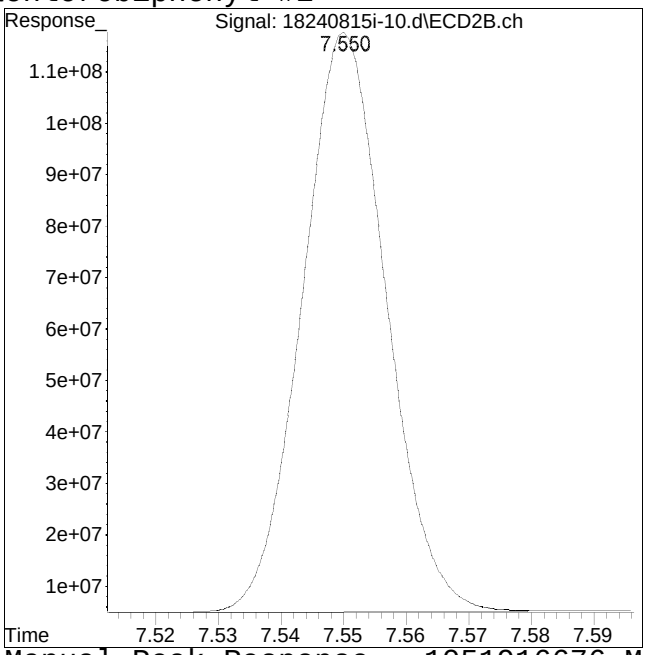
Original Peak Response = 2375887285 Manual Peak Response = 2365337020 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-10.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:25 Instrument : Pest 18
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/16/2024 6:07 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 1053490437 Manual Peak Response = 1051916676 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:36
Operator : PEST18:peg
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:27:25 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:27:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.683	1.784	533.7E6	327.5E6	25.000M3	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.117	2.340	4630.9E6	2912.9E6	193.165M4	197.285M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		386.33%#	394.57%#
27) s	Decachlorobi	6.922	7.551	4621.1E6	2043.8E6	190.164M4	188.217M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		380.33%#	376.43%#
	Target Compounds						
3)	Hexachlorobe	2.358	2.684	5339.1E6	2951.6E6	193.452M3	196.797M4
4)	alpha-BHC	2.470	2.787	6281.3E6	4243.9E6	196.270M4	201.891M4
5)	gamma-BHC (l	2.688	3.083	5584.5E6	3757.7E6	195.426M3	200.675M4
6)	beta-BHC	2.752	3.156	2388.9E6	1583.1E6	193.561M4	195.617M4
7)	delta-BHC	2.885	3.426	5711.4E6	3818.4E6	195.988M4	200.740
8)	Heptachlor	3.054	3.484	4922.8E6	3229.0E6	188.672M4	194.704M4
9)	Aldrin	3.304	3.804	5029.1E6	3337.9E6	191.157M4	196.061M4
10)	Alachlor	3.441	3.700	617.8E6	400.7E6	176.638M4	180.317M4
11)	Chlorpyrifos	3.536	4.055	1985.6E6	1296.9E6	180.202M3	180.909M3

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:36
Operator : PEST18:peg
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:27:25 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:27:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	3.862	4.424	4360.4E6	2959.2E6	188.861M3	192.156M4
13)		gamma-Chlord	3.989	4.647	4328.1E6	2785.3E6	192.222M4	195.036M4
14)		alpha-Chlord	4.125	4.821	4810.2E6	3076.7E6	190.686M3	194.358M4
15)		4,4'-DDE	4.231	5.035	5006.9E6	3168.6E6	191.754M4	194.468M4
16)		Endosulfan I	4.260	4.883	4236.8E6	2809.6E6	187.914M4	191.999M4
17)		Dieldrin	4.523	5.190	4631.9E6	2991.0E6	190.074M4	193.965M4
18)		Endrin	4.780	5.498	4596.0E6	2916.1E6	188.941M4	192.821M4
19)		4,4'-DDD	4.904	5.634	3827.4E6	2420.6E6	191.505M4	194.275M4
20)		Endosulfan I	5.033	5.706	4048.7E6	2548.9E6	186.975M4	190.816M3
21)		4,4'-DDT	5.210	5.918	4278.0E6	2623.7E6	190.610M4	193.173M4
22)		Endrin Aldeh	5.466	6.012	3487.2E6	2151.8E6	189.628M3	192.766M4
23)		Methoxychlor	5.718	6.498	2077.5E6	1256.1E6	179.749M4	184.169M4
24)		Mirex	5.764	6.625	3328.0E6	1911.9E6	187.340M4	188.104M4
25)		Endosulfan S	5.869	6.246	4112.6E6	2436.1E6	188.896M3	191.942M4
26)		Endrin Keton	6.100	6.665	4355.5E6	2614.5E6	183.778M4	190.320M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:36
Operator : PEST18:peg
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:27:25 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:27:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

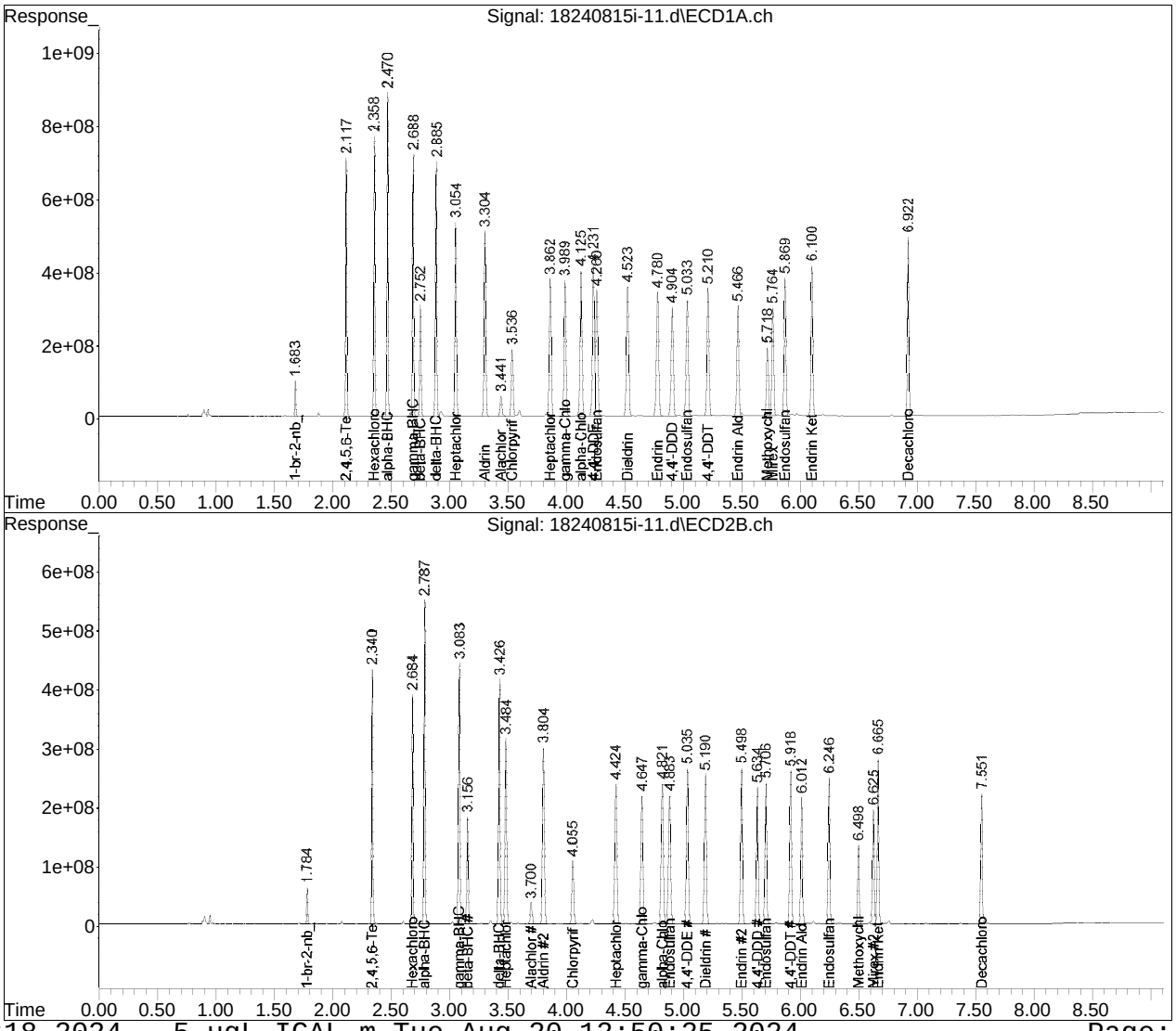
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:36
Operator : PEST18:peg
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:27:25 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:27:15 2024
Response via : Initial Calibration
Integrator: ChemStation

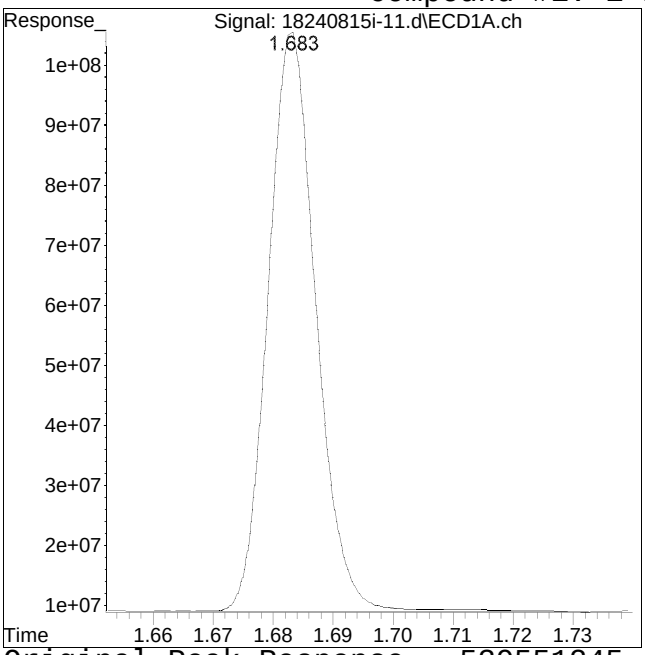
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

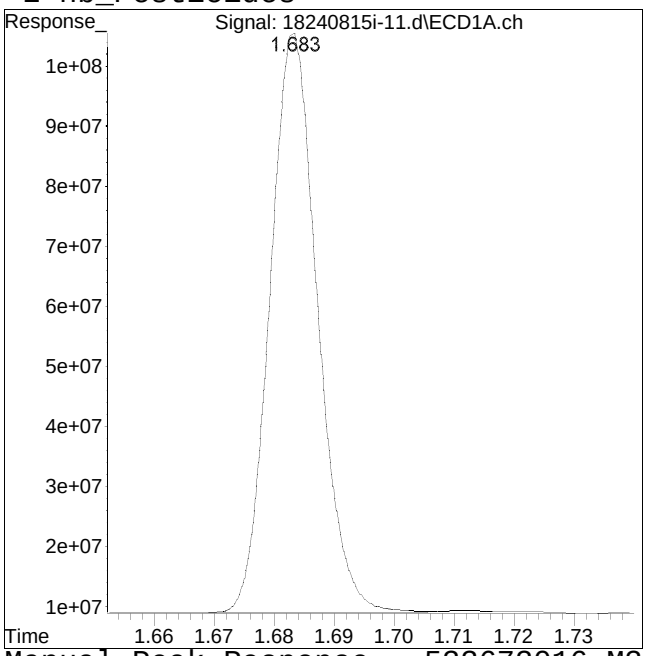


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #1: 1-br-2-nb_Pesticides



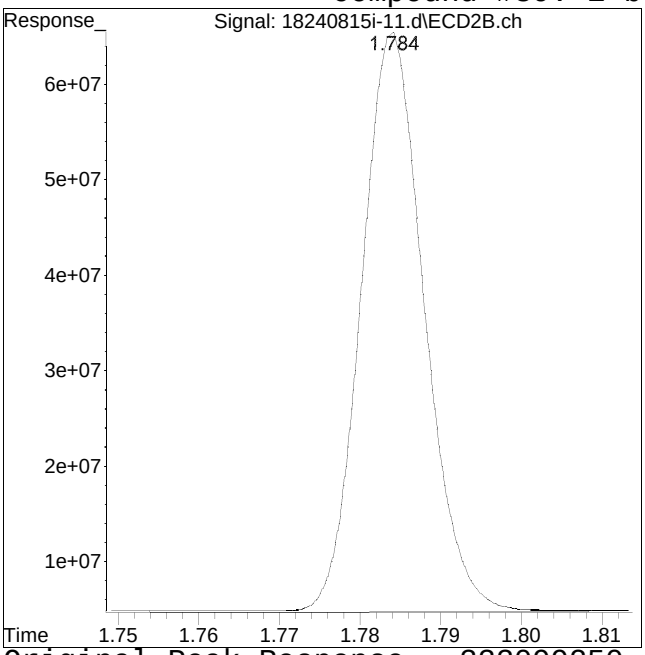


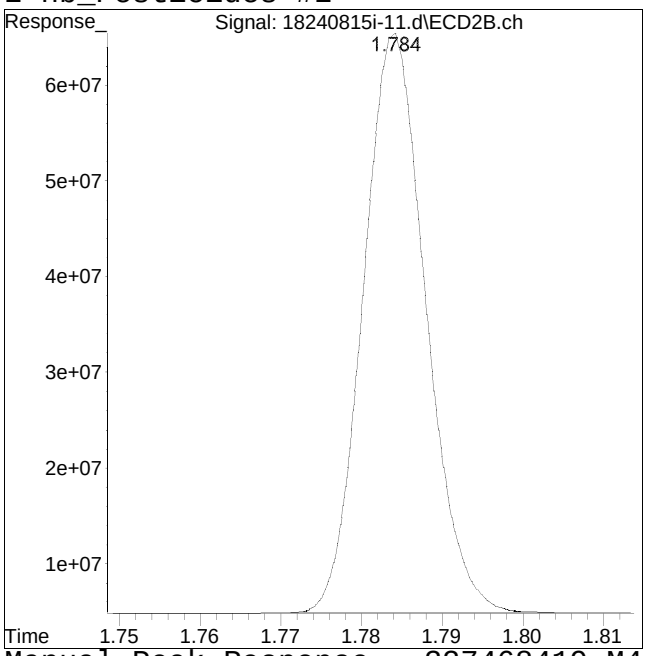
Original Peak Response = 539551245 Manual Peak Response = 533673016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-11.d
Date Inj'd : 8/15/2024 15:36
Sample : il10pest,42e,,pp 11679 L0.
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:27 am

Compound #39: 1-br-2-nb_Pesticides #2



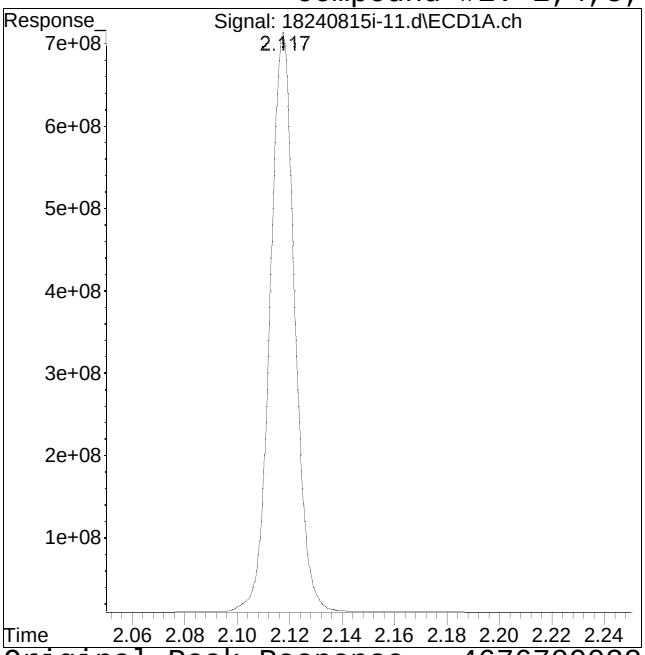


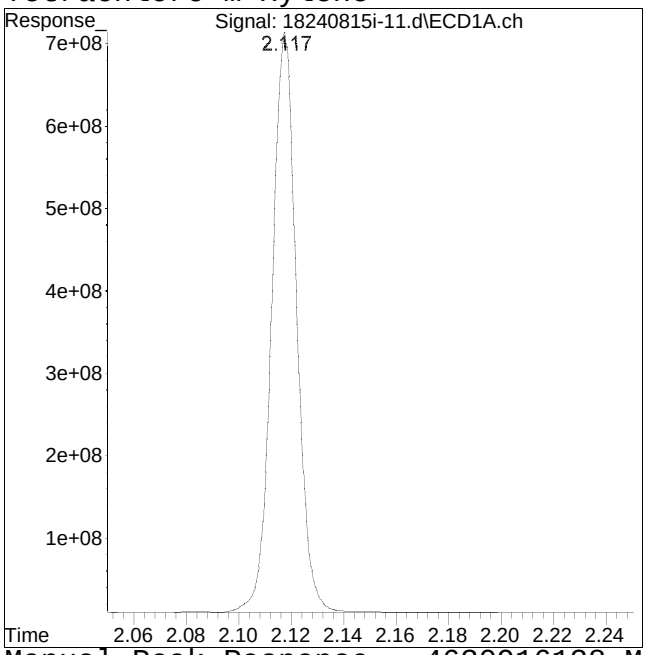
Original Peak Response = 333099250 Manual Peak Response = 327468419 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



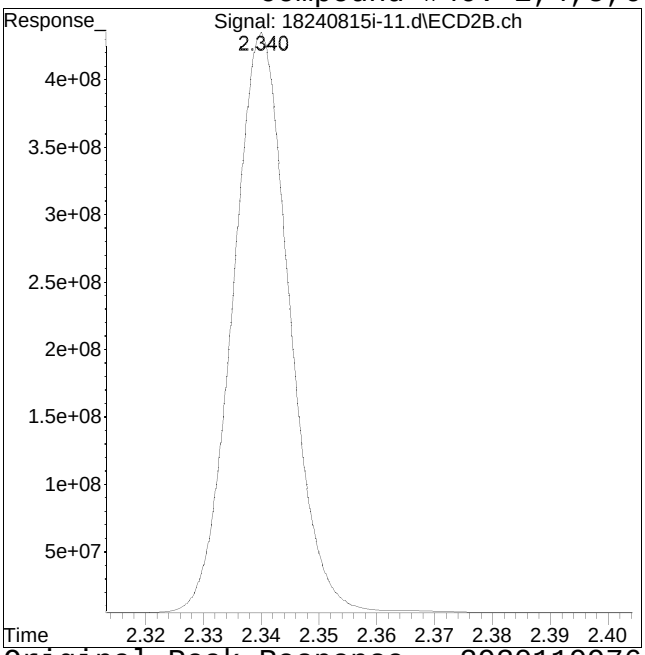


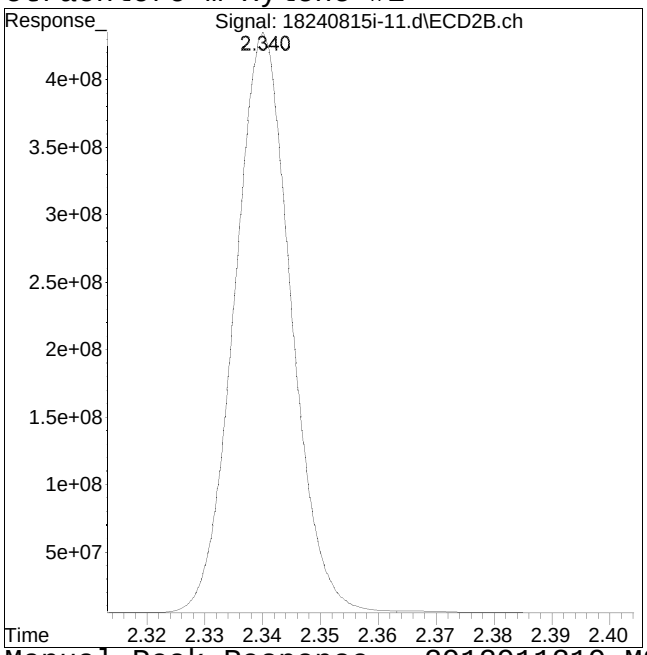
Original Peak Response = 4676709032 Manual Peak Response = 4630916138 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



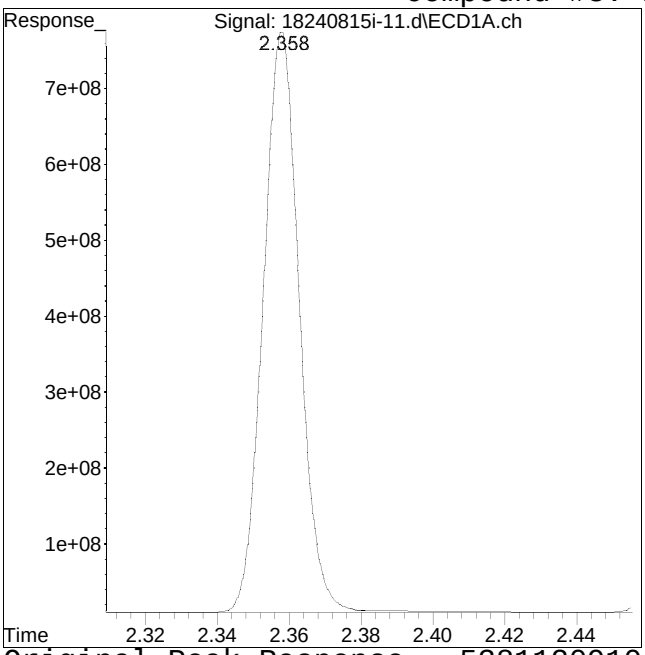


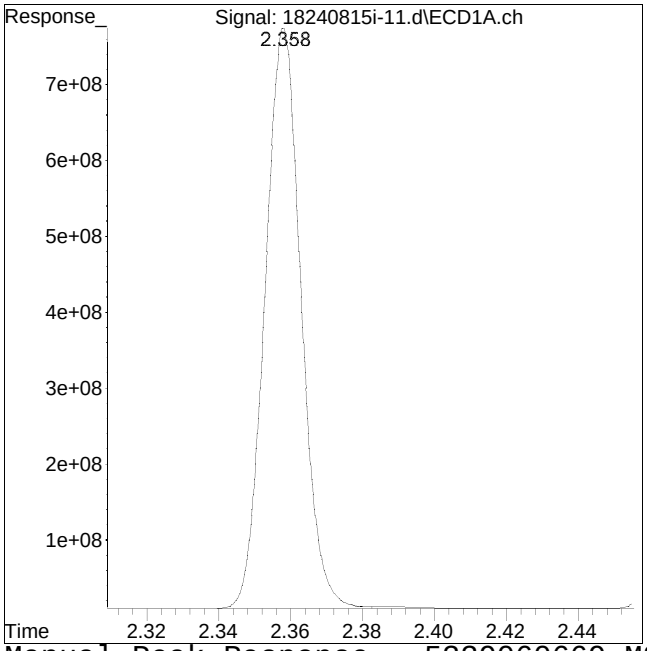
Original Peak Response = 2930119976 Manual Peak Response = 2912911219 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #3: Hexachlorobenzene



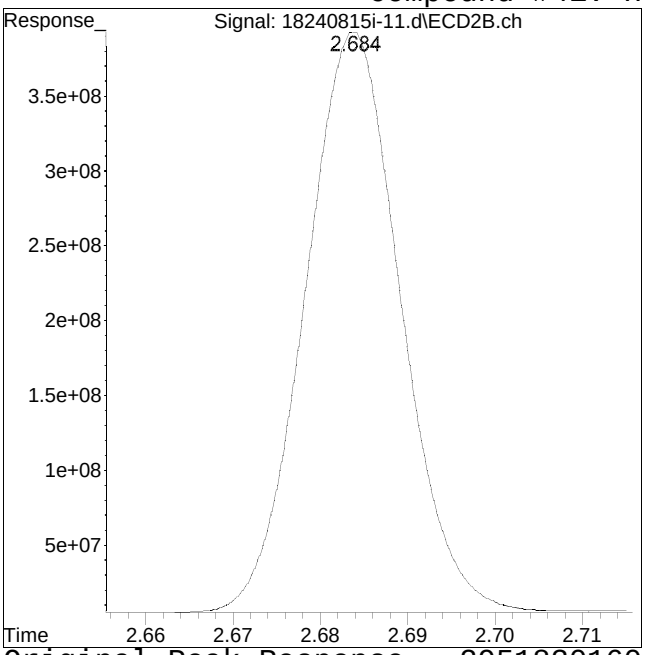


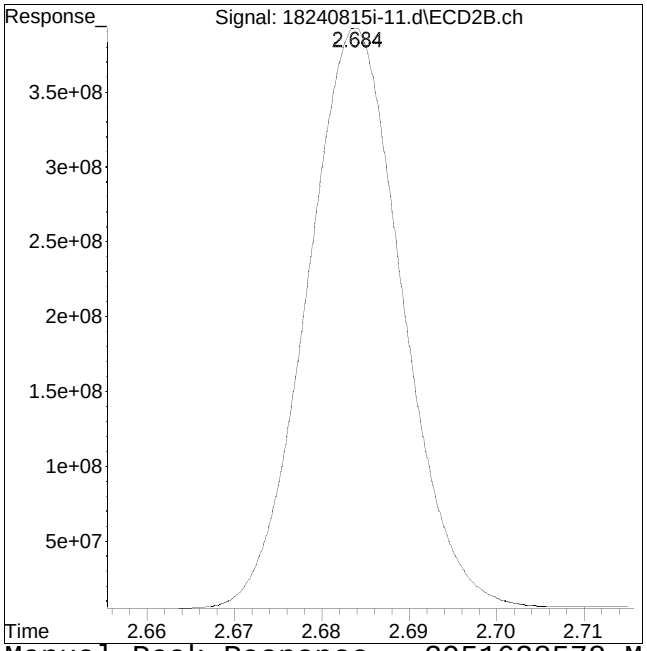
Original Peak Response = 5381120910 Manual Peak Response = 5339060669 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #41: Hexachlorobenzene #2



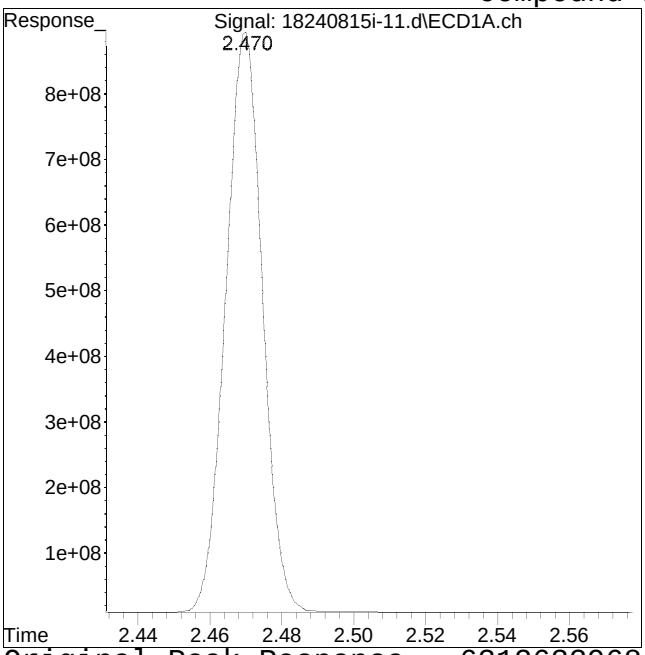


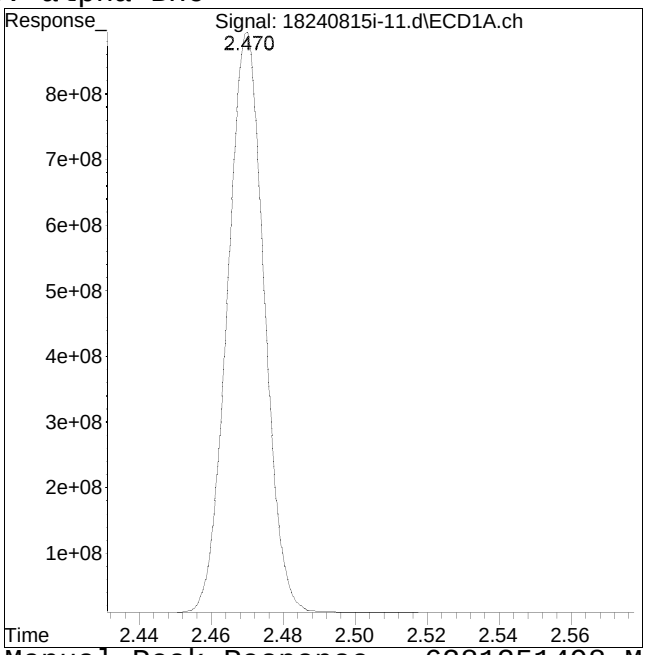
Original Peak Response = 2951830160 Manual Peak Response = 2951628578 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #4: alpha-BHC



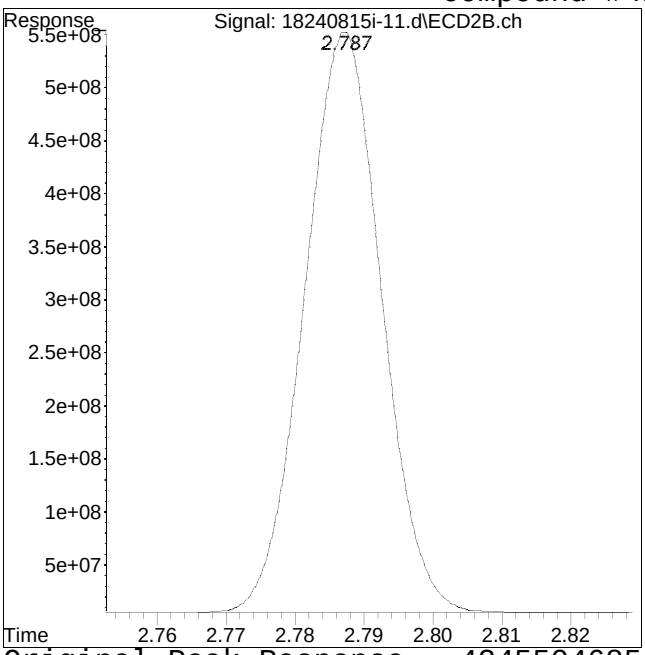


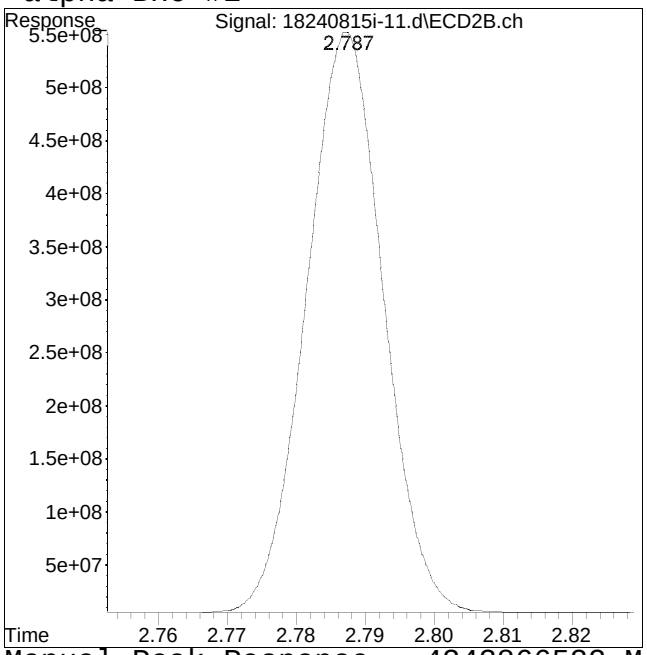
Original Peak Response = 6312633968 Manual Peak Response = 6281251498 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #42: alpha-BHC #2



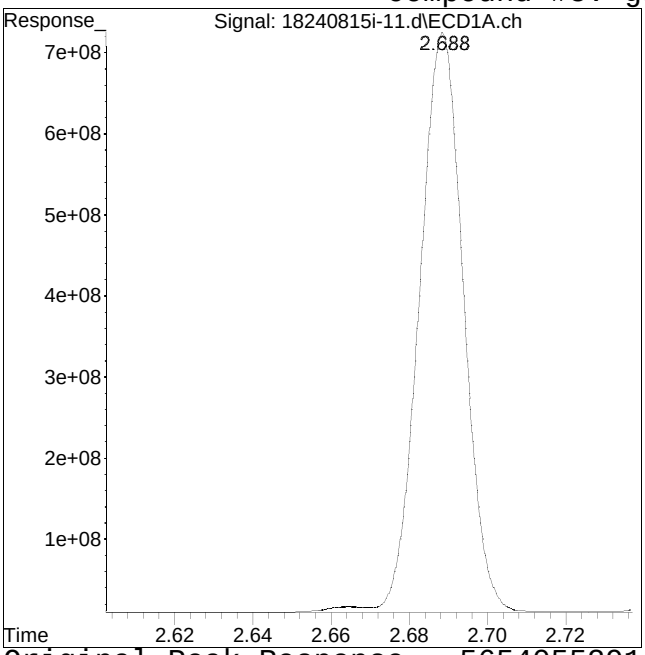


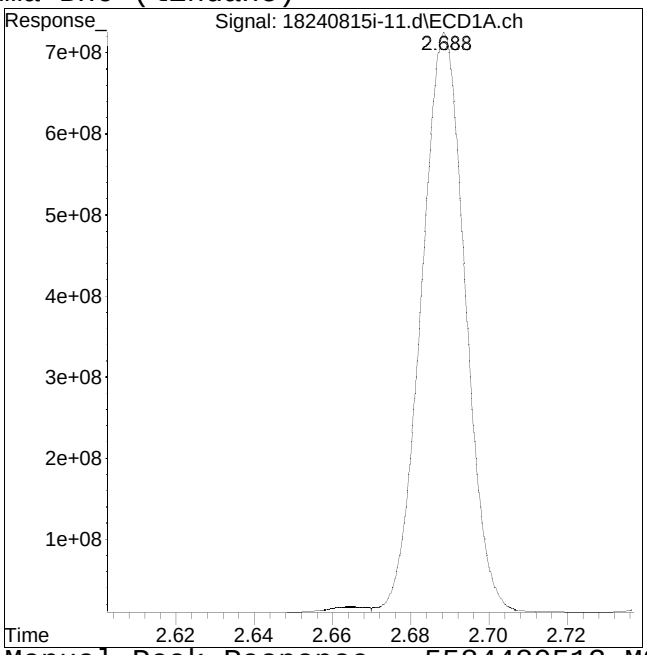
Original Peak Response = 4245504685 Manual Peak Response = 4243866522 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #5: gamma-BHC (lindane)



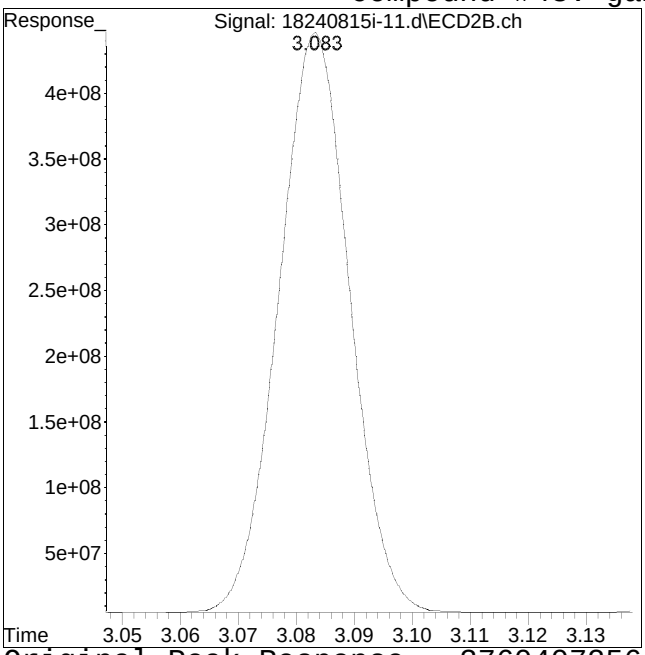


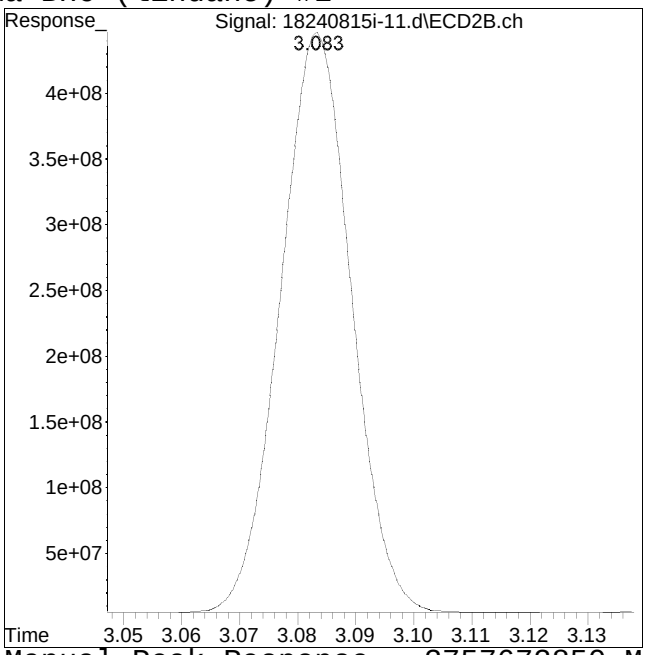
Original Peak Response = 5654055291 Manual Peak Response = 5584480513 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #43: gamma-BHC (lindane) #2



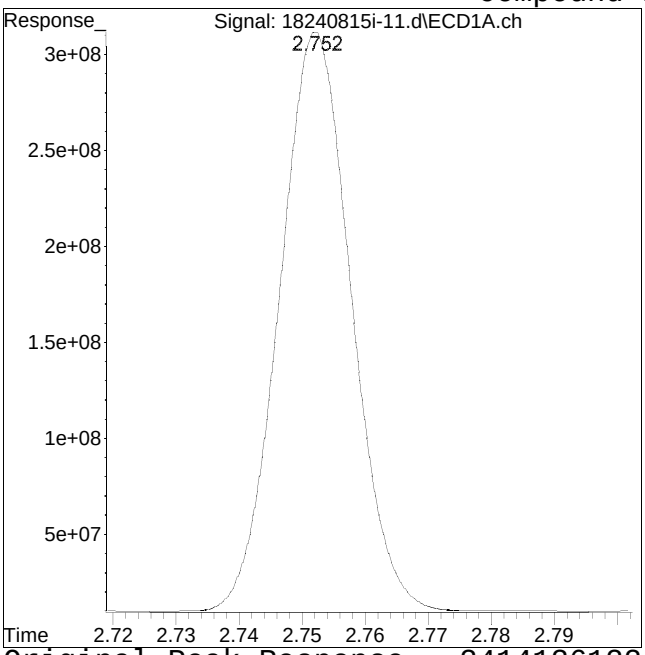


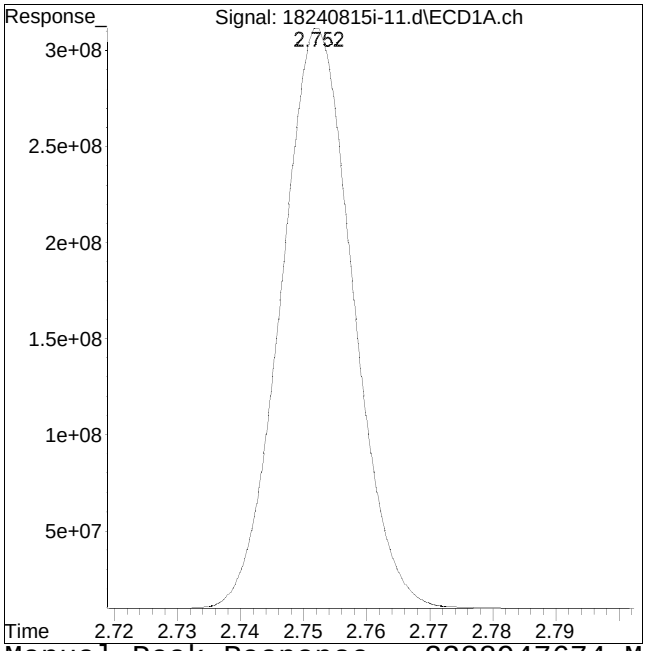
Original Peak Response = 3760407256 Manual Peak Response = 3757673850 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #6: beta-BHC



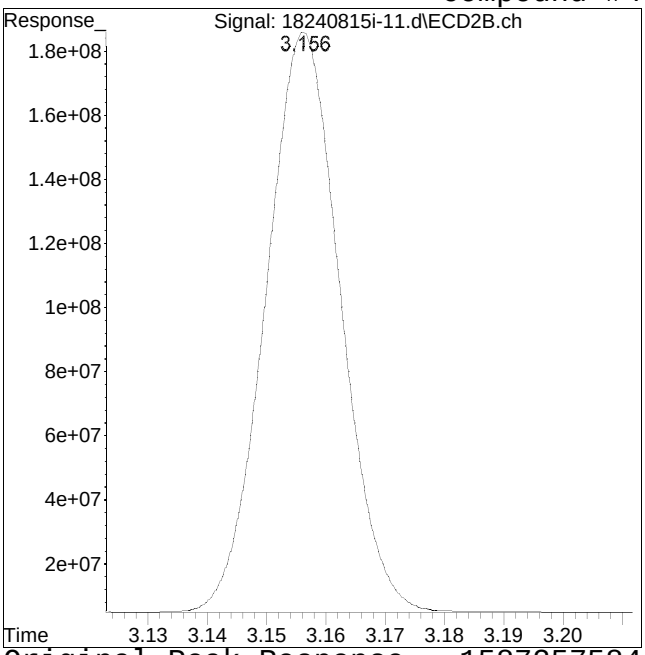


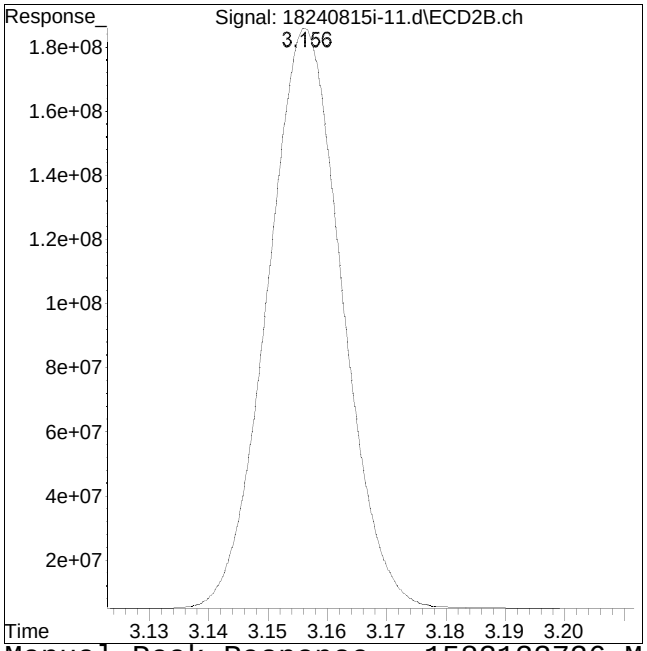
Original Peak Response = 2414126122 Manual Peak Response = 2388947674 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #44: beta-BHC #2



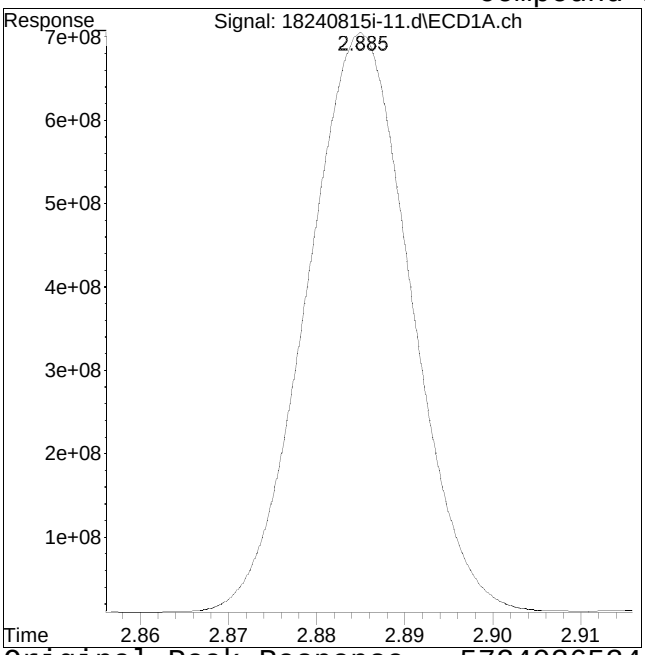


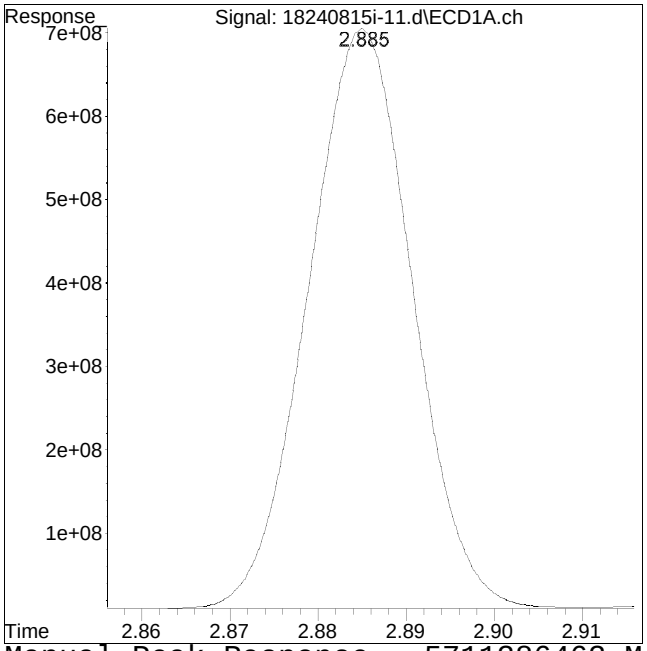
Original Peak Response = 1587257584 Manual Peak Response = 1583133736 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #7: delta-BHC



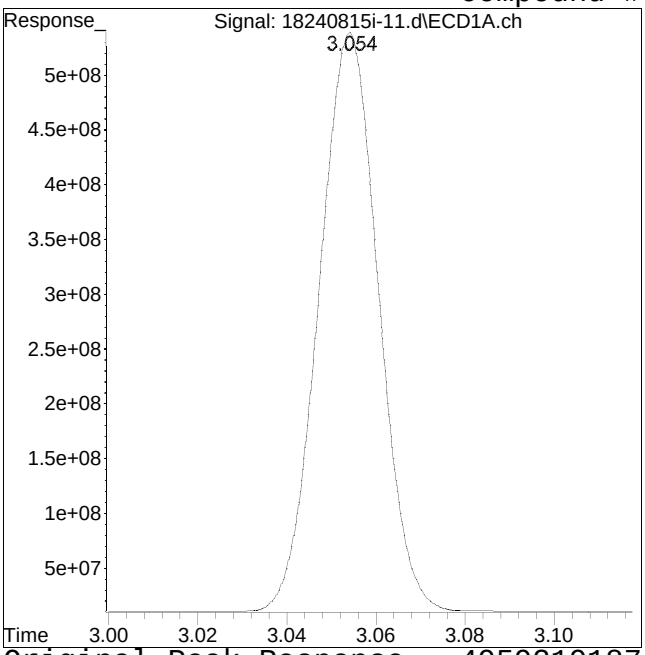


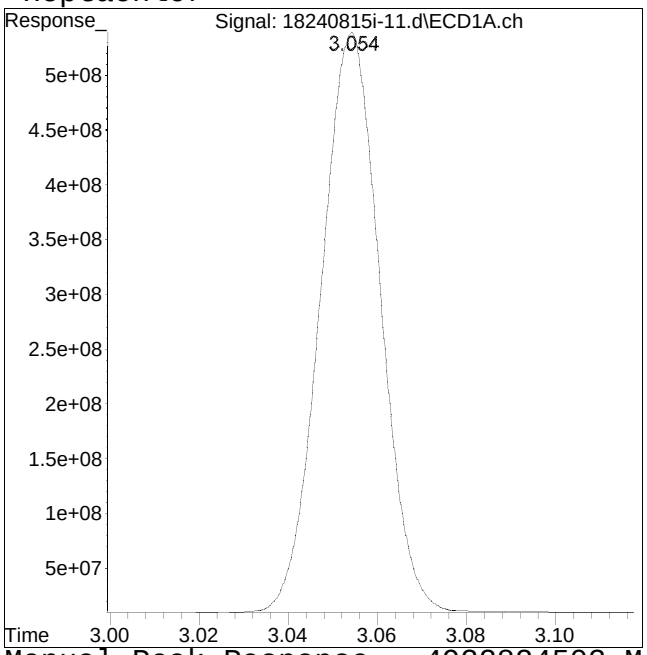
Original Peak Response = 5724036534 Manual Peak Response = 5711386463 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #8: Heptachlor



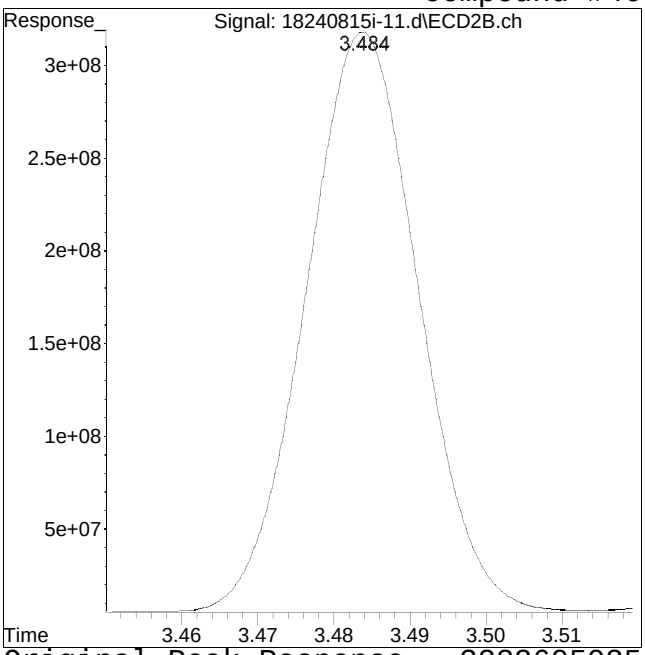


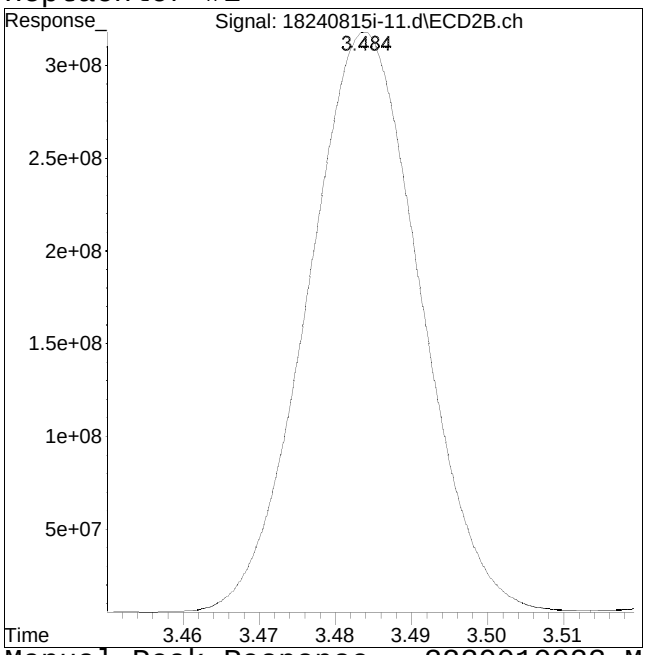
Original Peak Response = 4959219187 Manual Peak Response = 4922824503 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-11.d
Date Inj'd : 8/15/2024 15:36
Sample : il10pest,42e,,pp 11679 L0.
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:27 am

Compound #46: Heptachlor #2





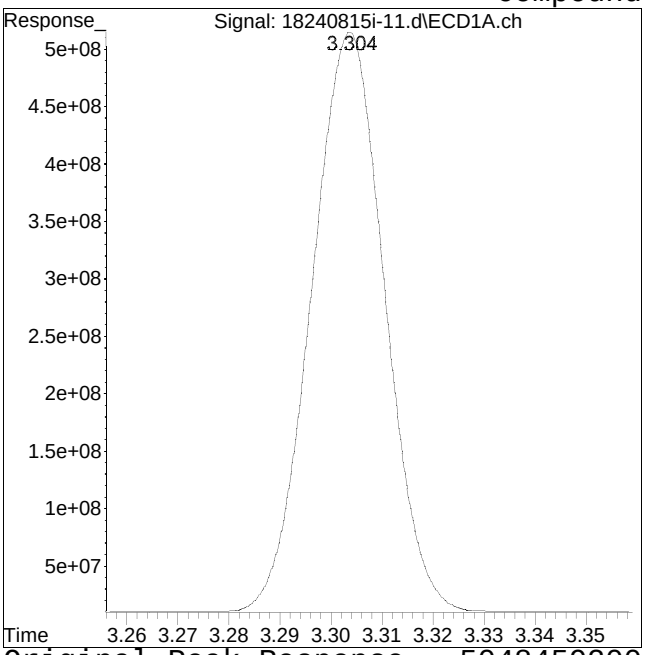
Original Peak Response = 3233605035 Manual Peak Response = 3229010923 M4
M4 = Poor automated baseline construction.

Manual Integration Report

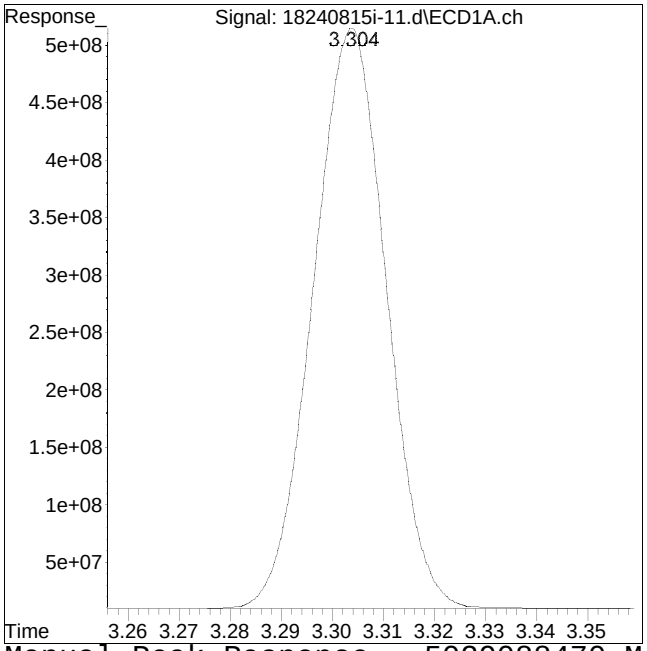
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-11.d
Date Inj'd : 8/15/2024 15:36
Sample : il10pest,42e,,pp 11679 L0.

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:27 am

Compound #9: Aldrin



Original Peak Response = 5048459200



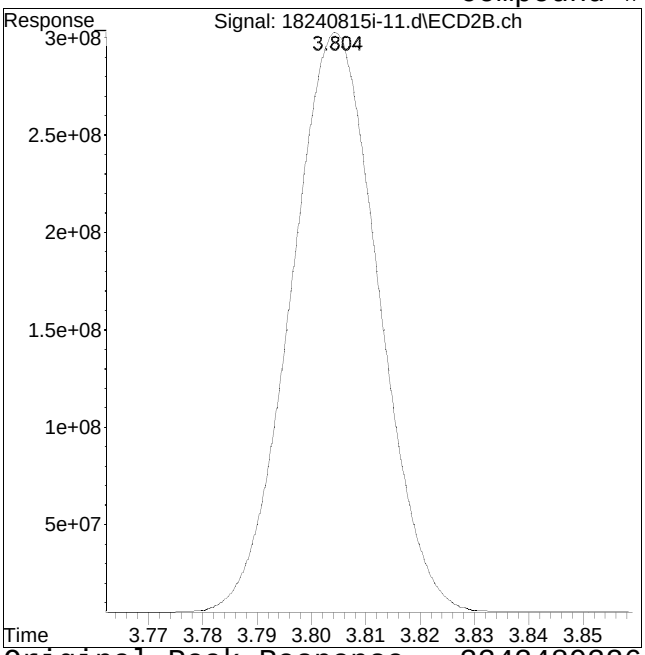
Manual Peak Response = 5029088470 M4

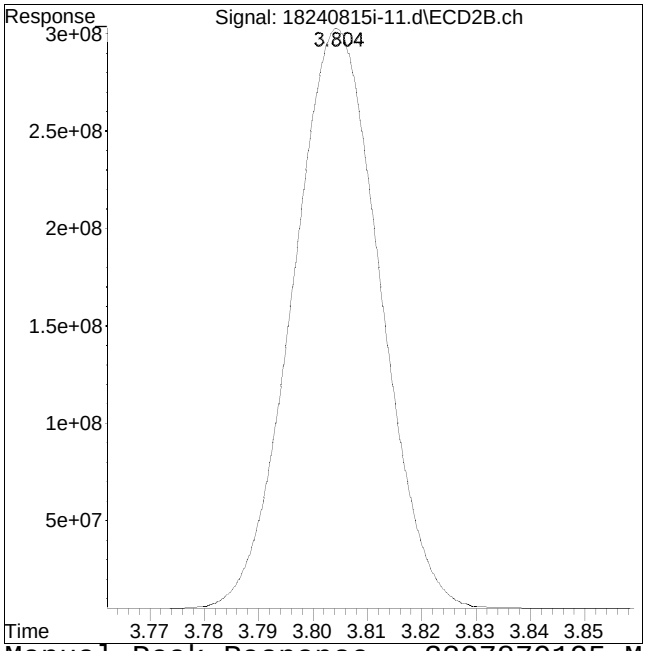
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #47: Aldrin #2



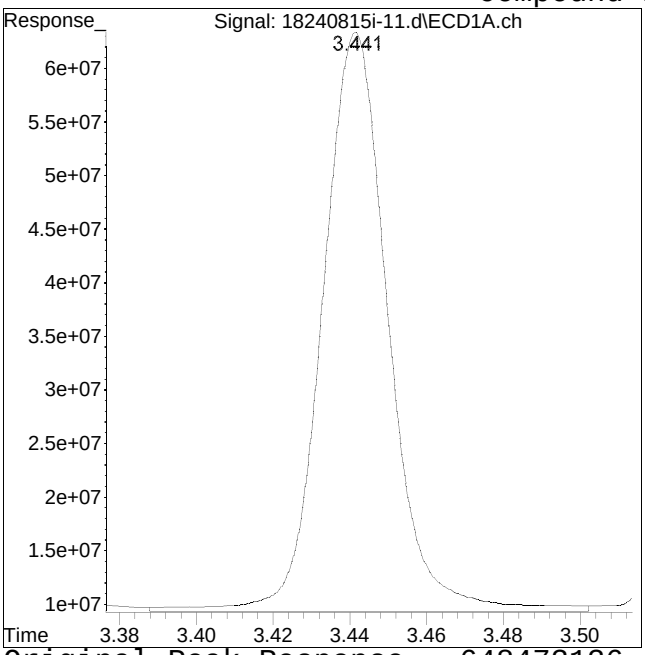


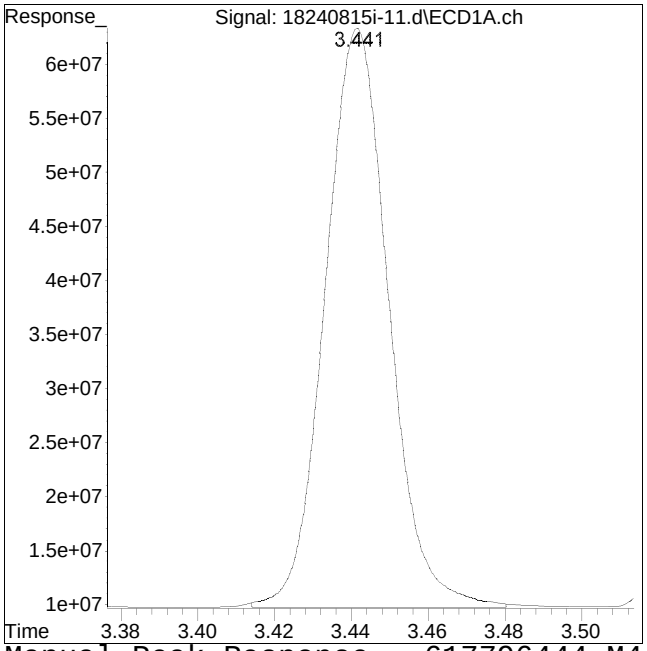
Original Peak Response = 3343489326 Manual Peak Response = 3337879125 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #10: Alachlor



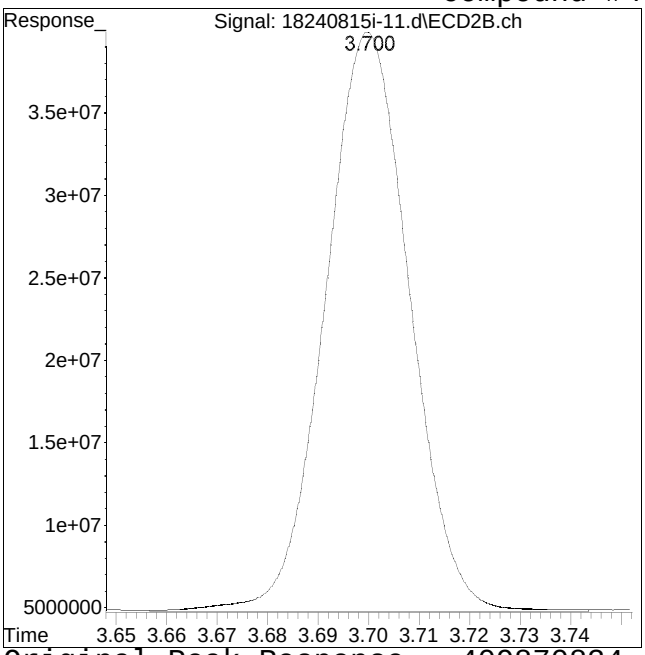


Original Peak Response = 648473136 Manual Peak Response = 617796444 M4
M4 = Poor automated baseline construction.

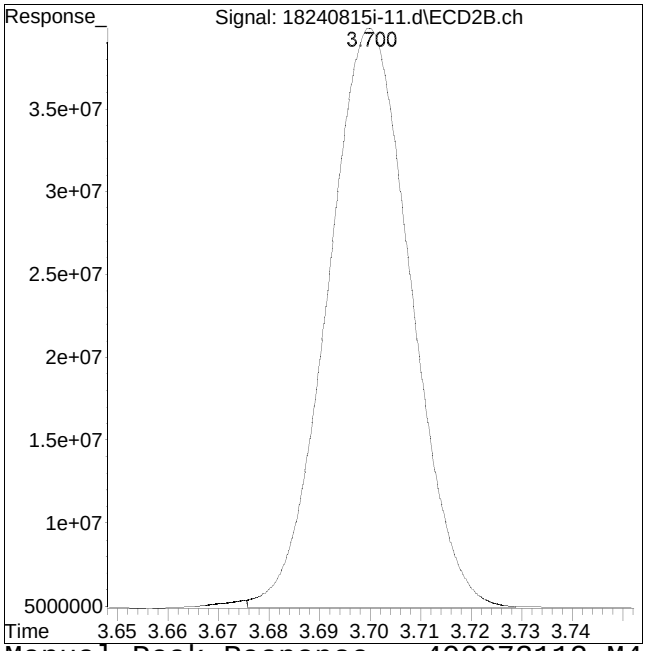
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #48: Alachlor #2



Original Peak Response = 409870834



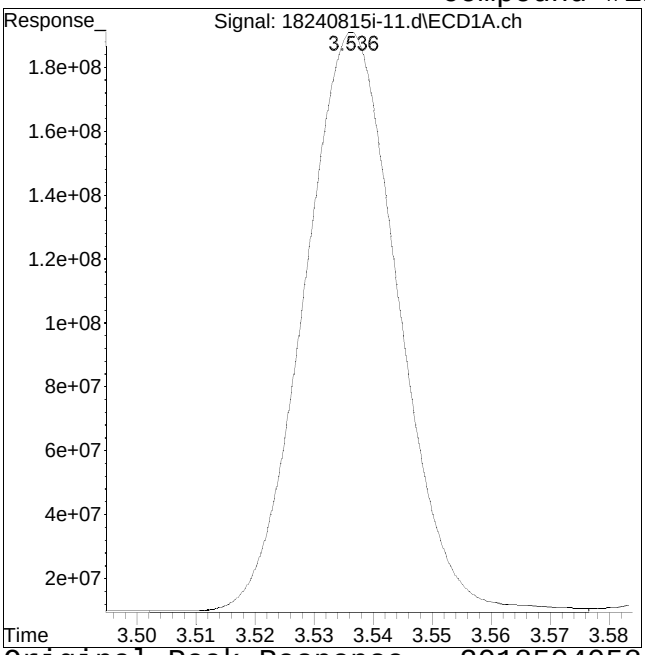
Manual Peak Response = 400673112 M4

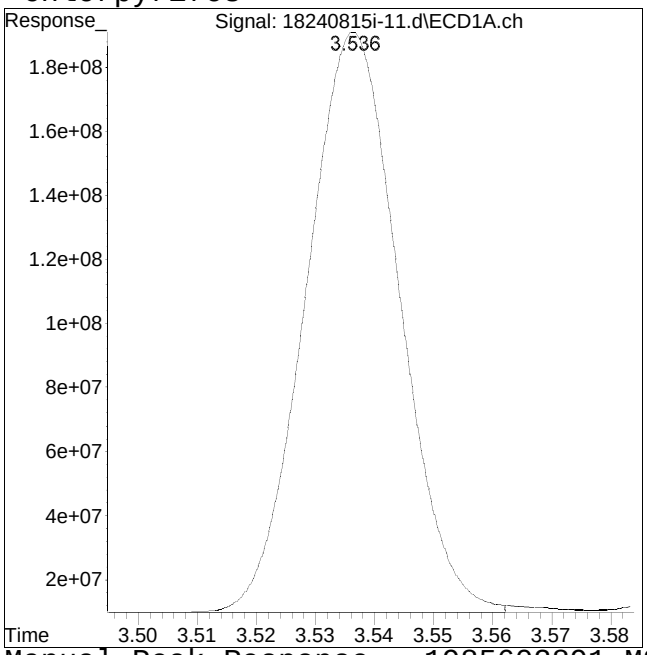
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #11: Chlorpyrifos



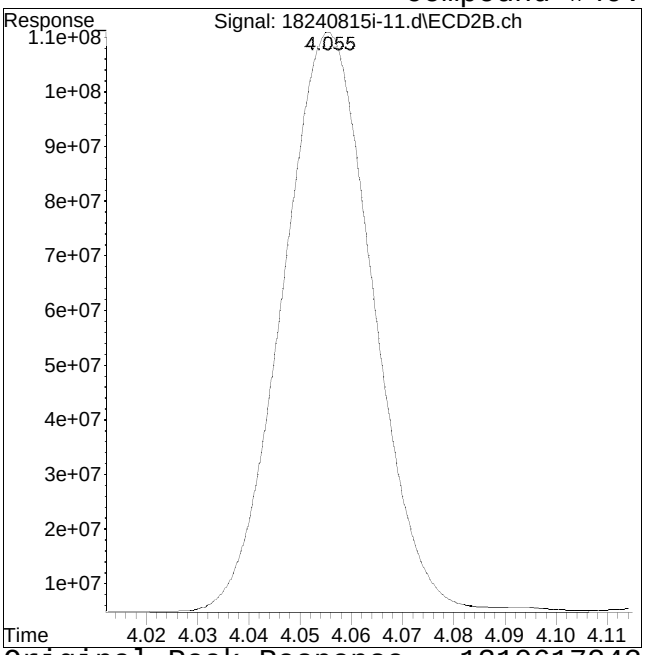


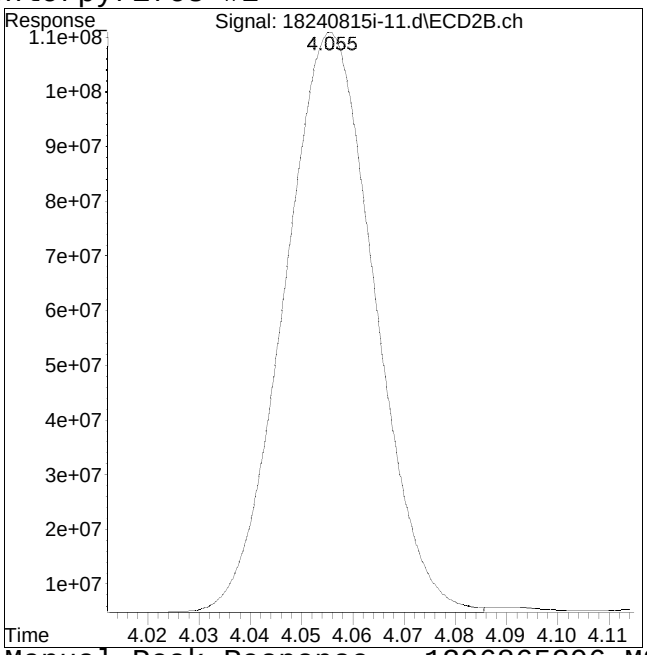
Original Peak Response = 2018594058 Manual Peak Response = 1985602891 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #49: Chlorpyrifos #2



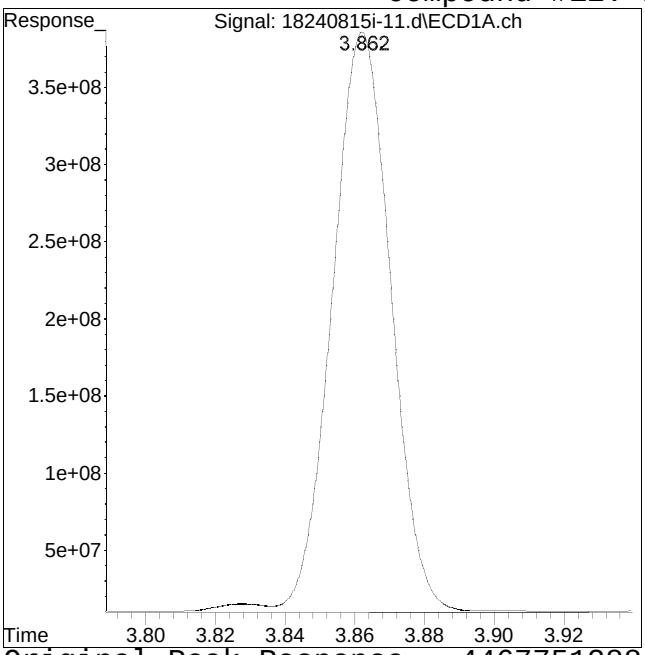


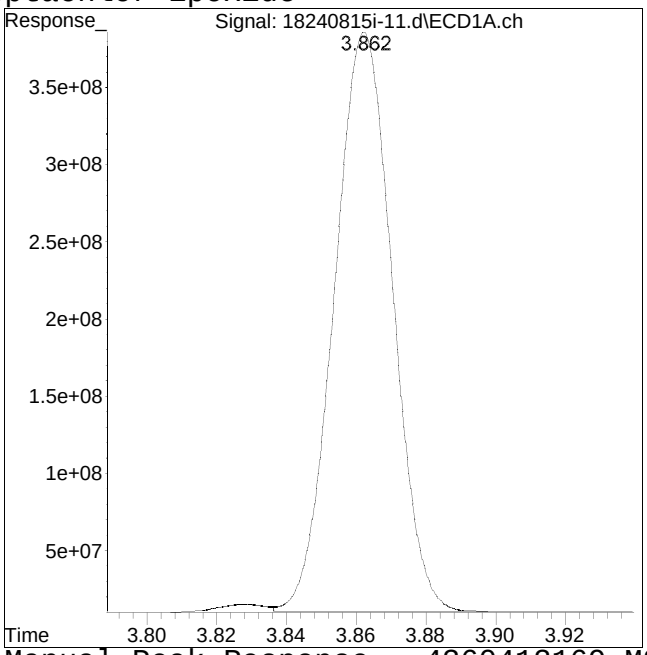
Original Peak Response = 1310617242 Manual Peak Response = 1296865306 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #12: Heptachlor Epoxide



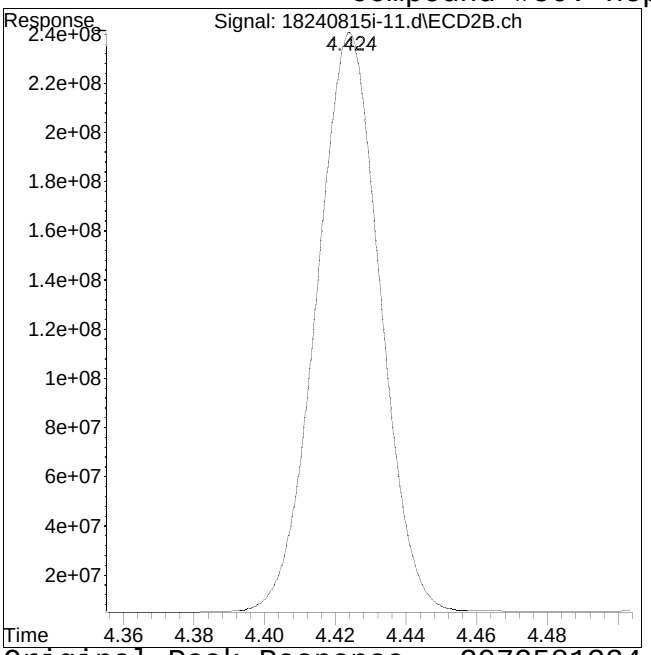


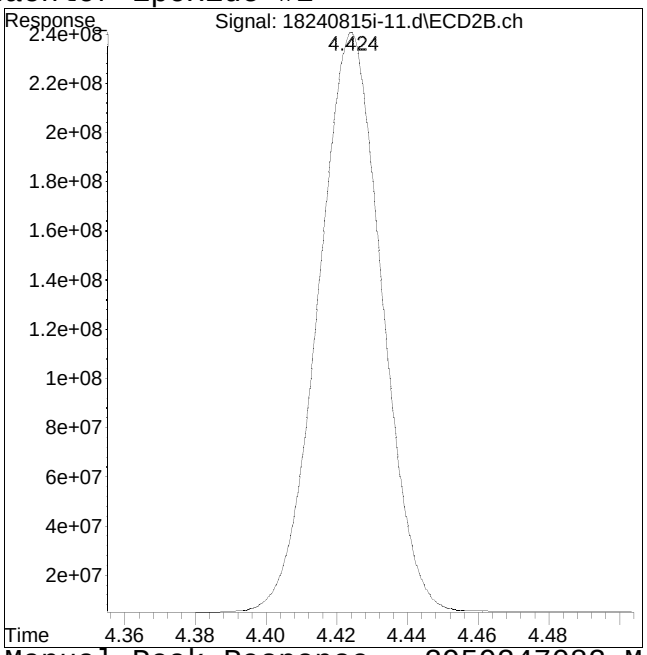
Original Peak Response = 4467751288 Manual Peak Response = 4360413169 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #50: Heptachlor Epoxide #2



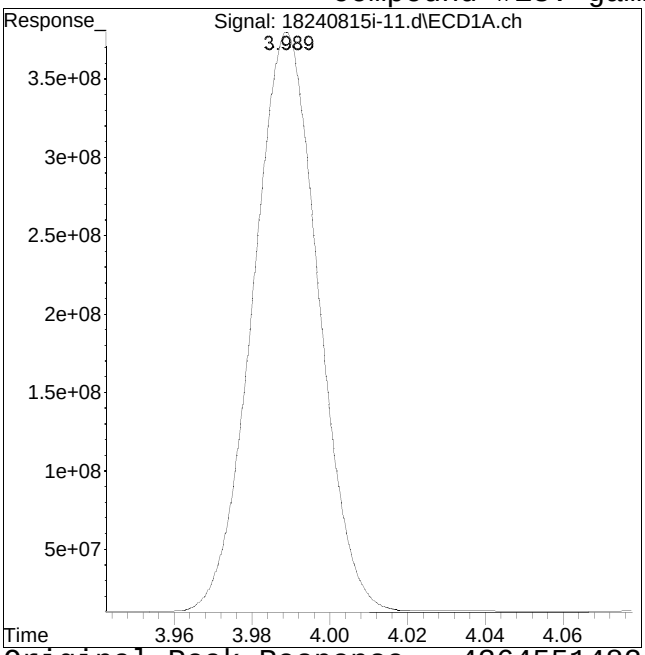


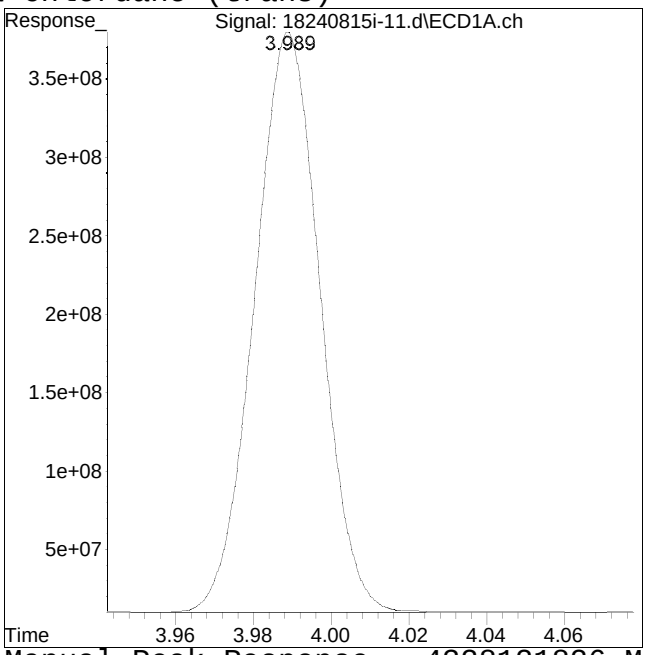
Original Peak Response = 2972581334 Manual Peak Response = 2959247082 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-11.d
Date Inj'd : 8/15/2024 15:36
Sample : il10pest,42e,,pp 11679 L0.
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:27 am

Compound #13: gamma-Chlordane (trans)



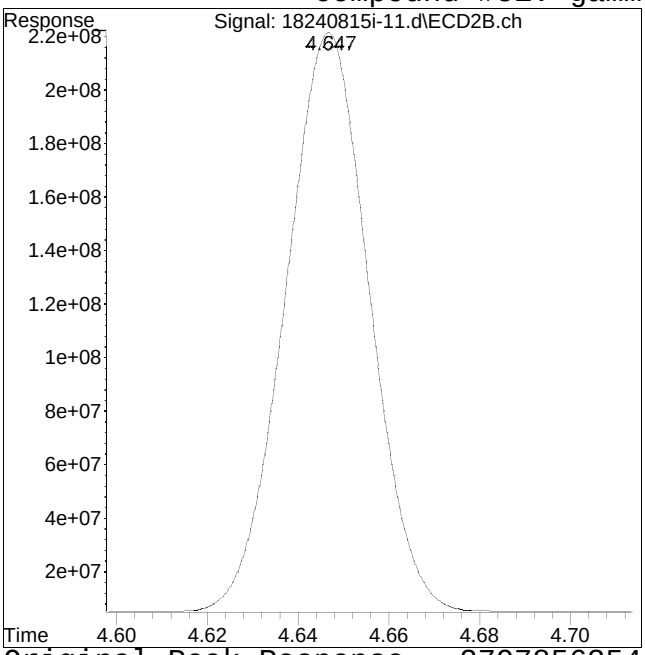


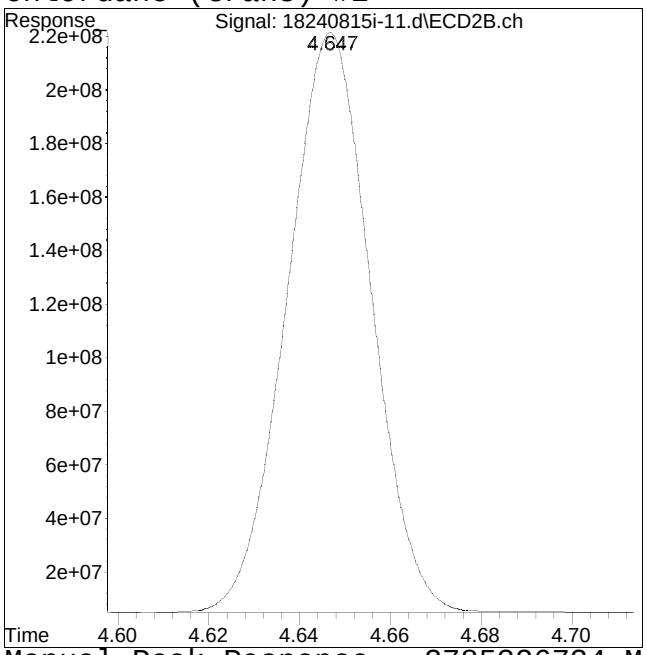
Original Peak Response = 4364551482 Manual Peak Response = 4328121826 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #51: gamma-Chlordane (trans) #2



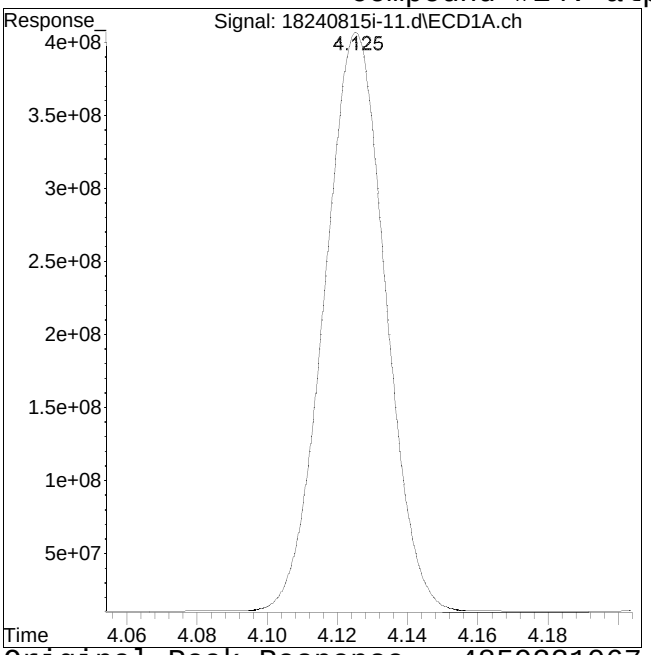


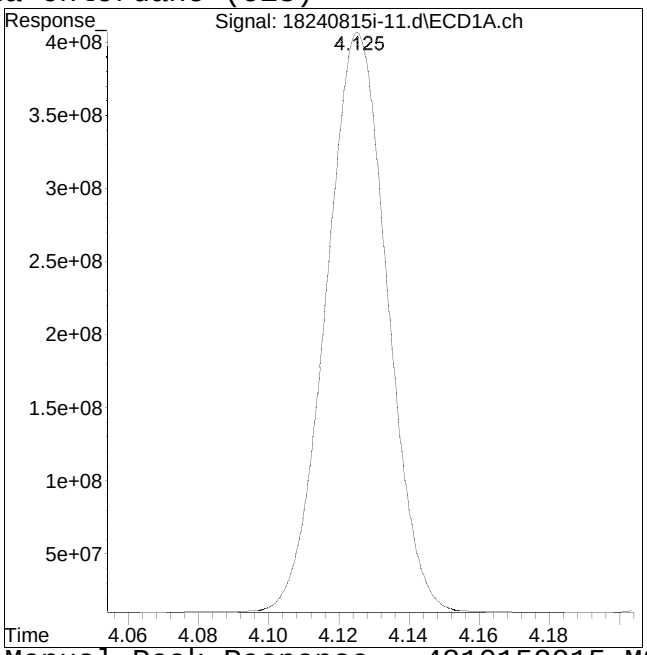
Original Peak Response = 2797856354 Manual Peak Response = 2785326734 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #14: alpha-Chlordane (cis)



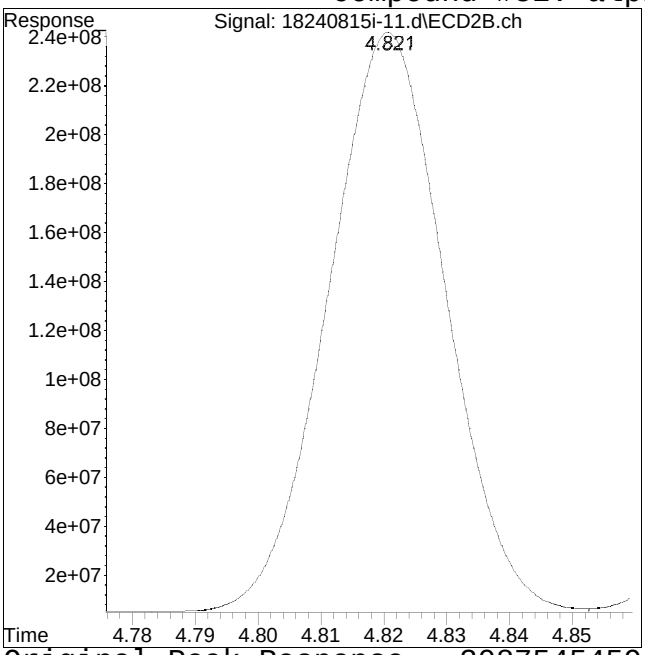


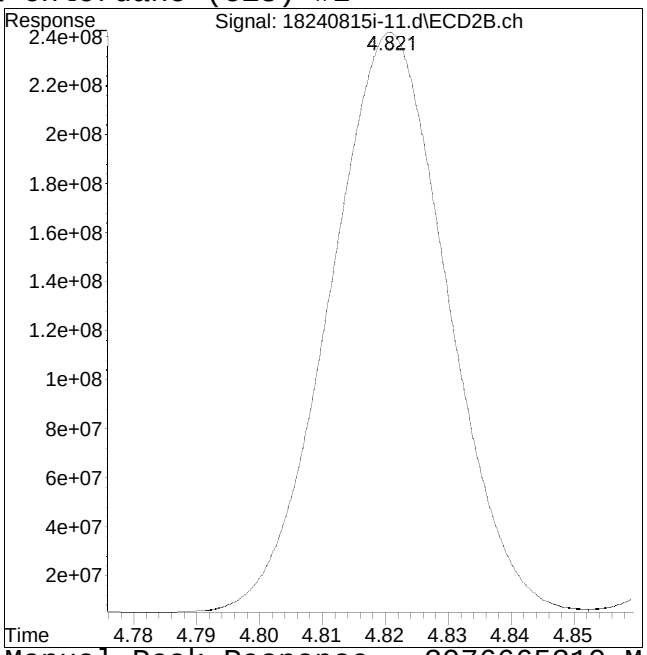
Original Peak Response = 4859331067 Manual Peak Response = 4810152915 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #52: alpha-Chlordane (cis) #2



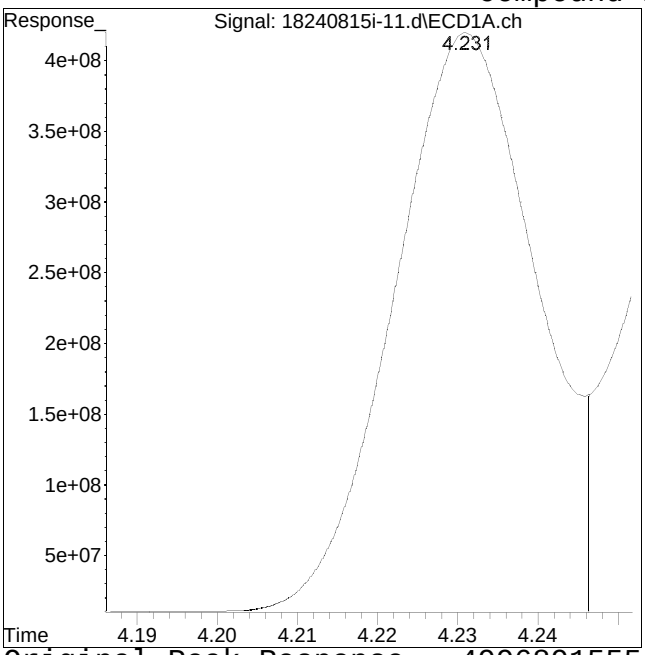


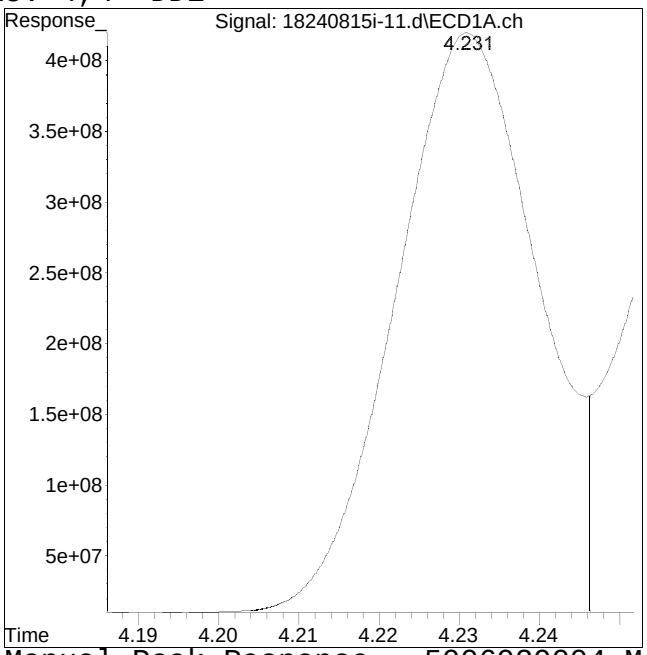
Original Peak Response = 3087545459 Manual Peak Response = 3076665310 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #15: 4,4'-DDE



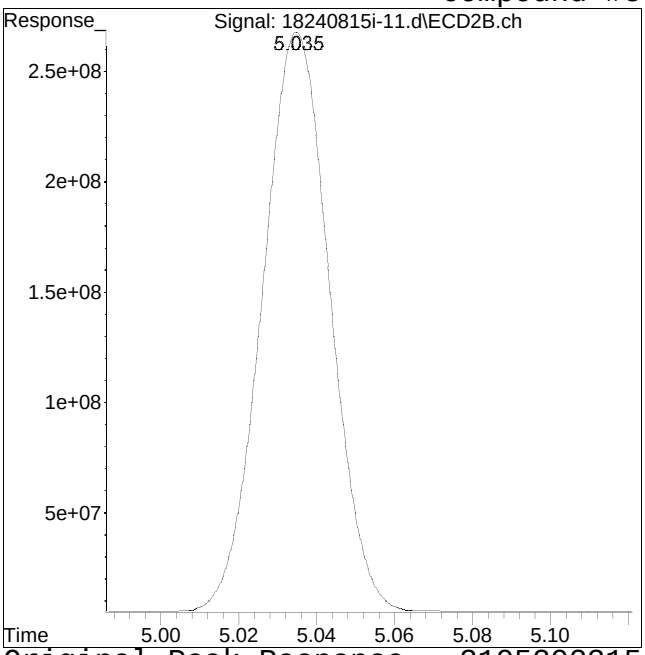


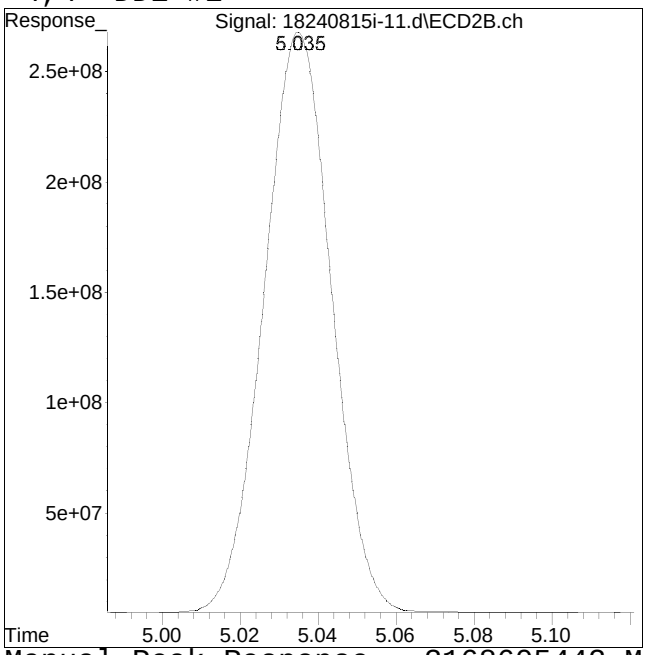
Original Peak Response = 4996891555 Manual Peak Response = 5006929004 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #53: 4,4'-DDE #2



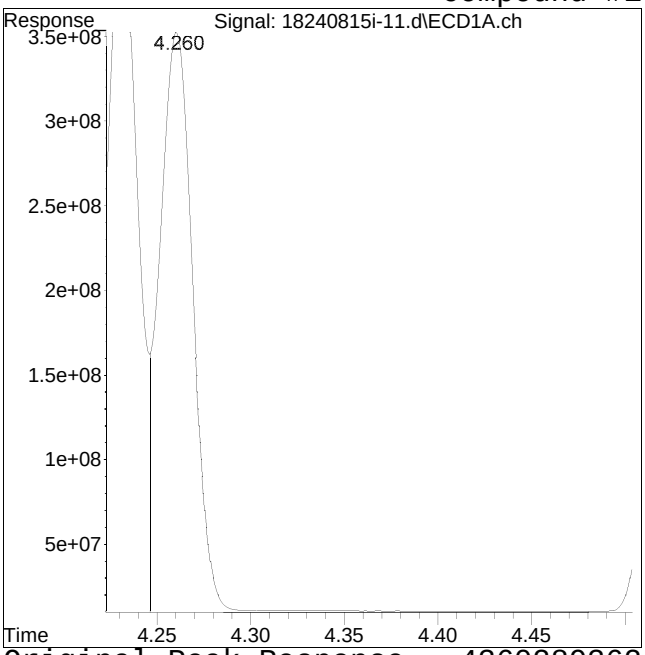


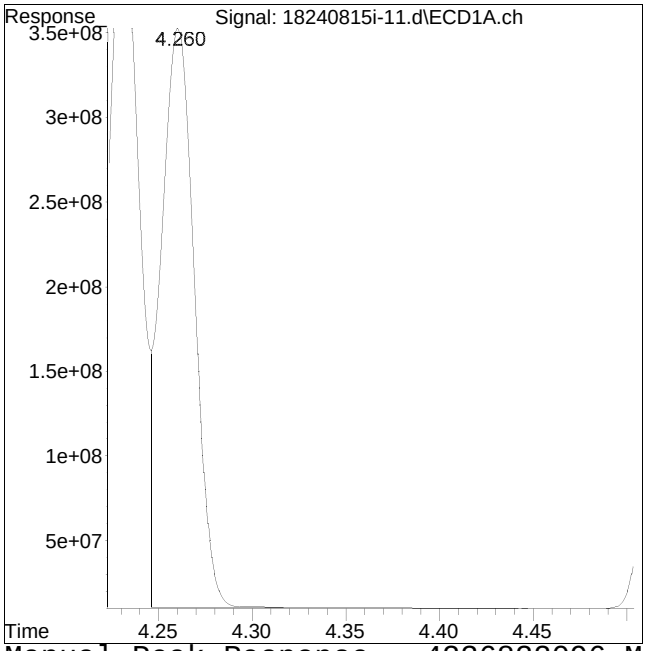
Original Peak Response = 3195292315 Manual Peak Response = 3168605442 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #16: Endosulfan I



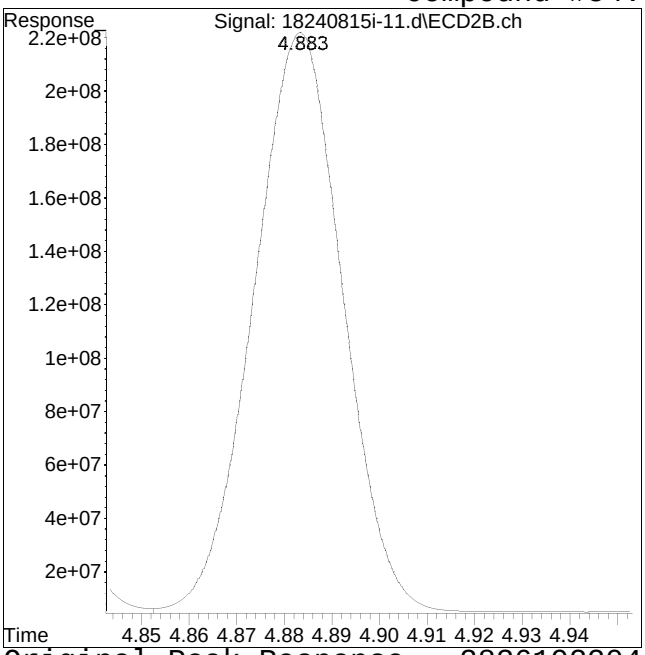


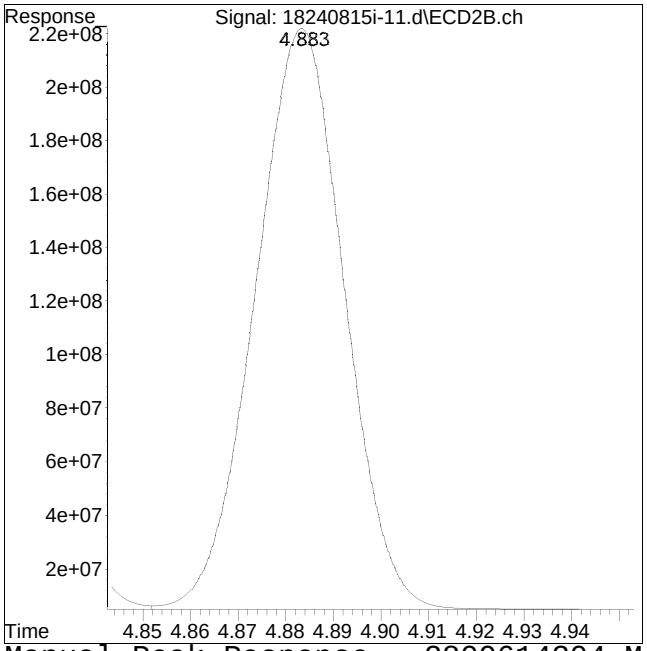
Original Peak Response = 4360289362 Manual Peak Response = 4236832096 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #54: Endosulfan I #2



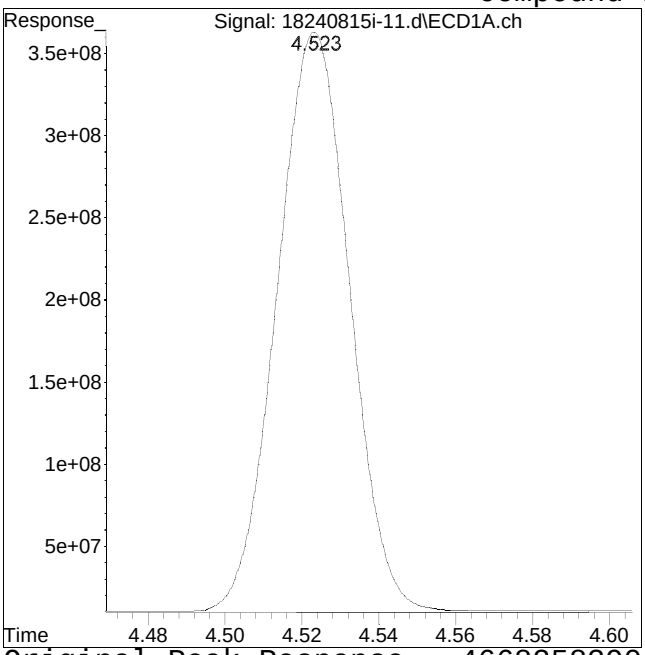


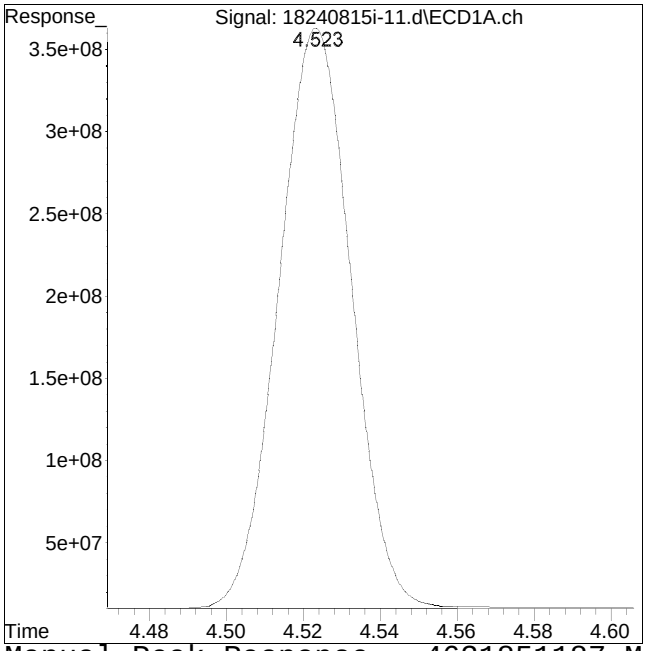
Original Peak Response = 2836192204 Manual Peak Response = 2809614304 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #17: Dieldrin



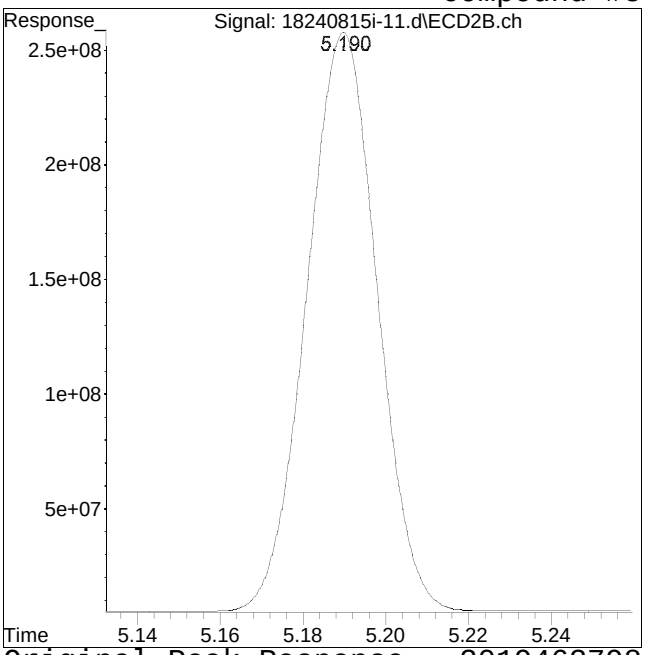


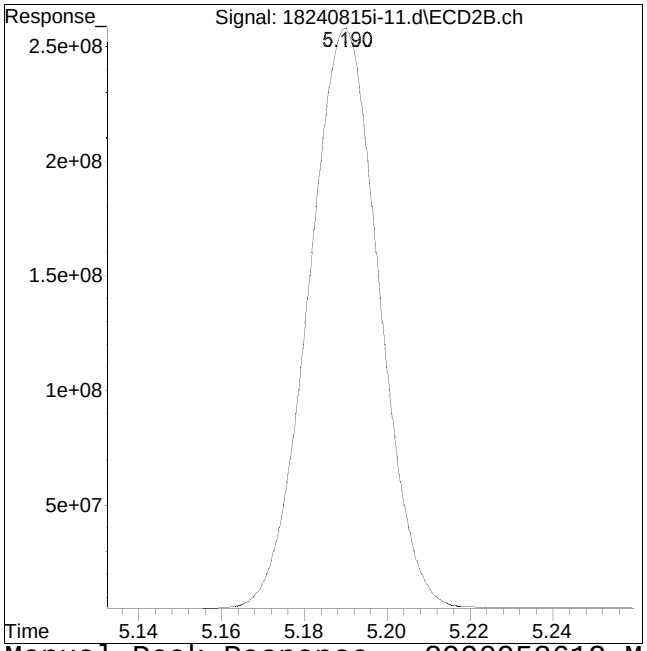
Original Peak Response = 4668258390 Manual Peak Response = 4631851187 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #55: Dieldrin #2



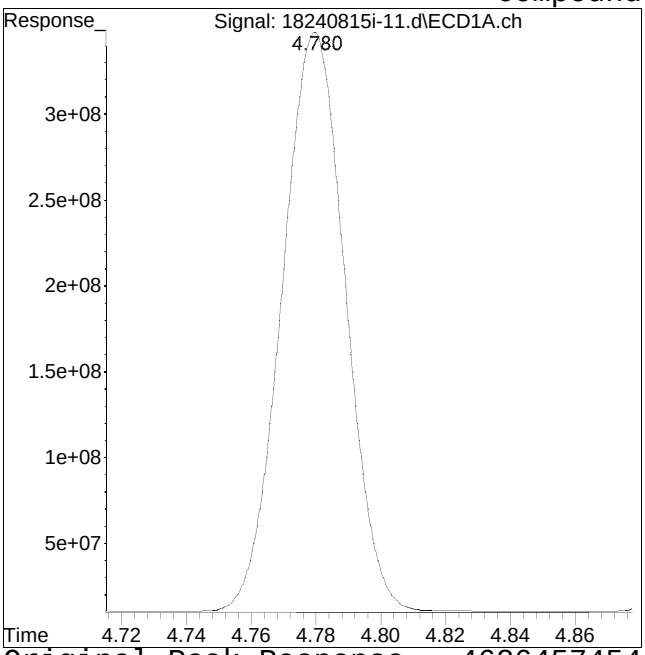


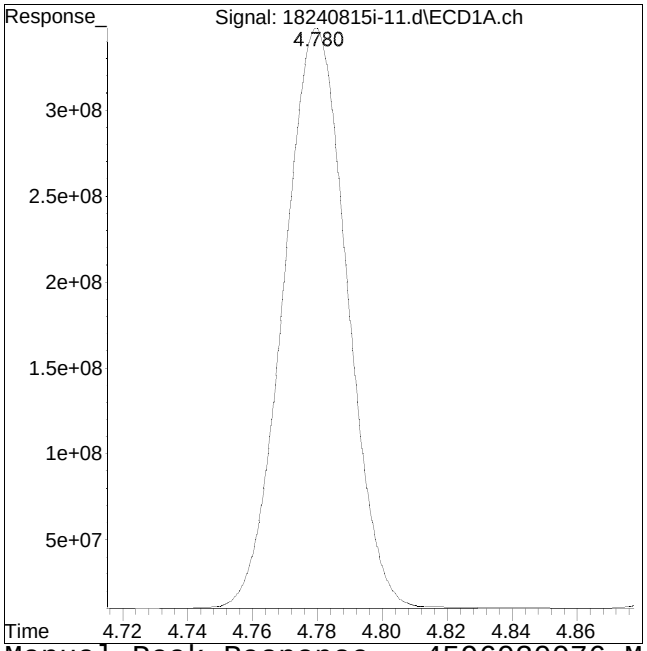
Original Peak Response = 3019463798 Manual Peak Response = 2990952612 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #18: Endrin



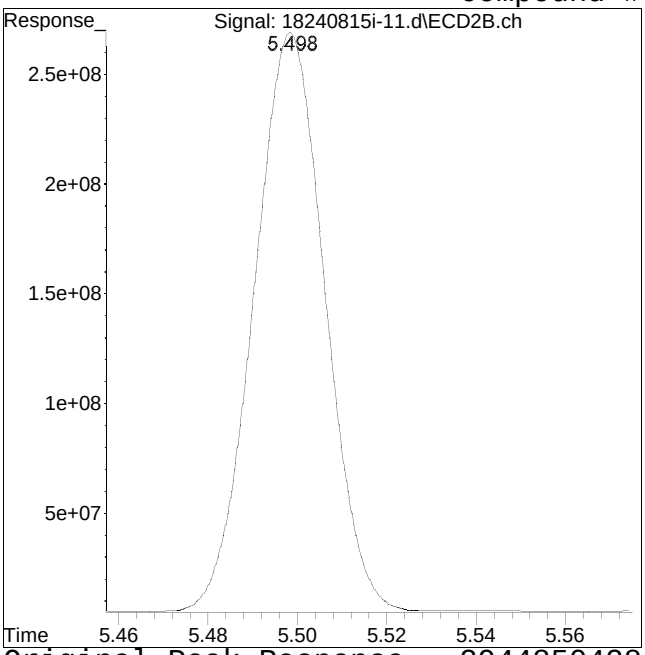


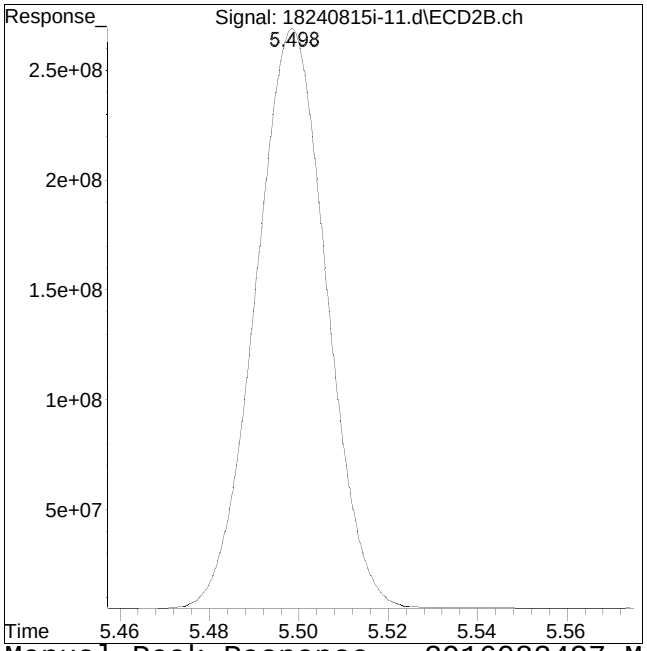
Original Peak Response = 4626457454 Manual Peak Response = 4596030076 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #56: Endrin #2



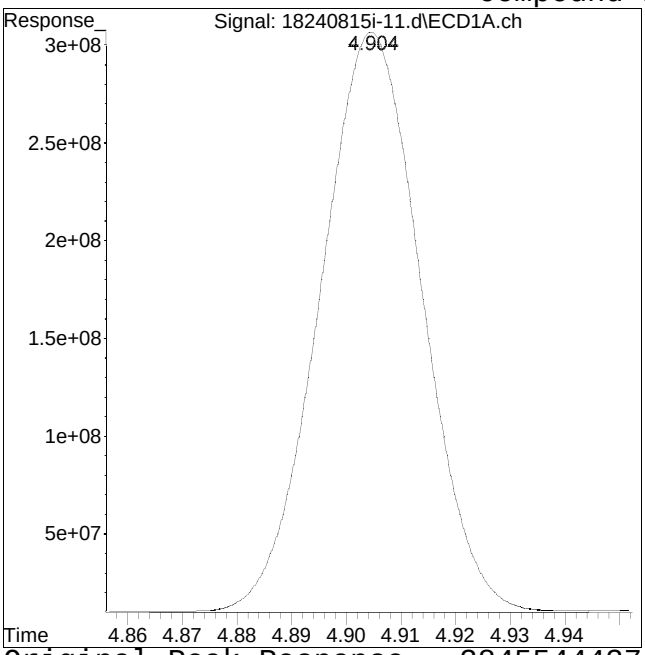


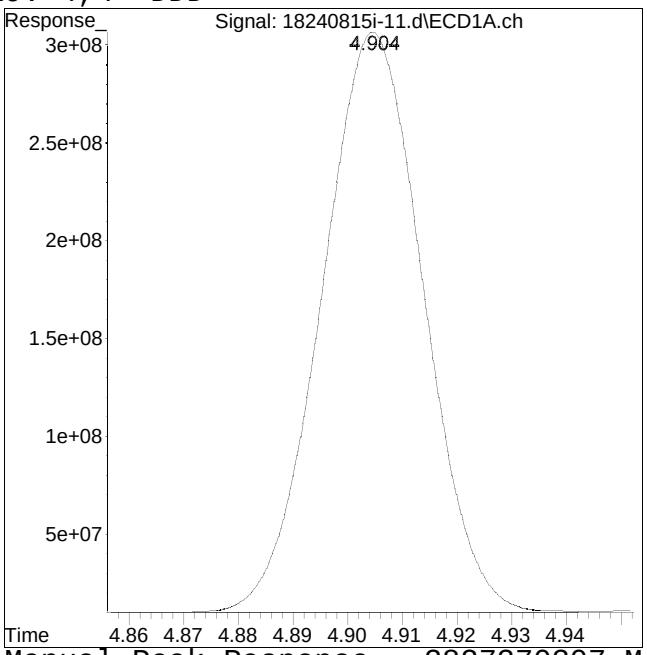
Original Peak Response = 2944850428 Manual Peak Response = 2916082437 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #19: 4,4'-DDD



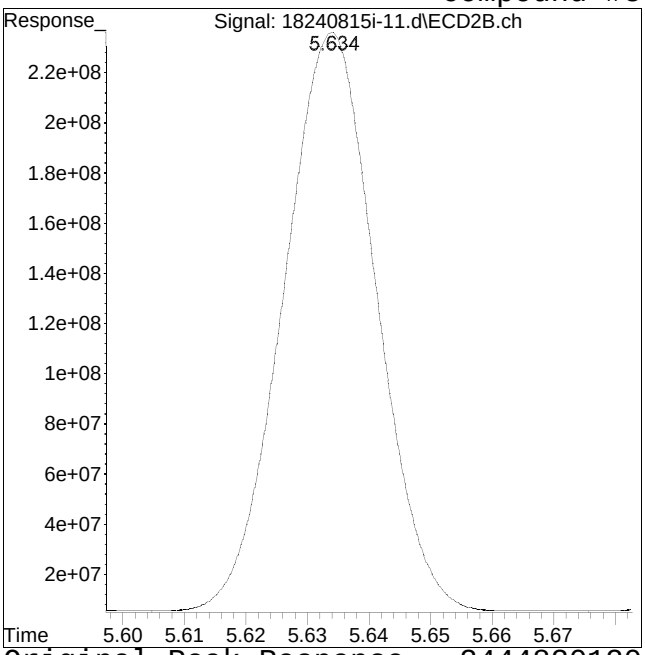


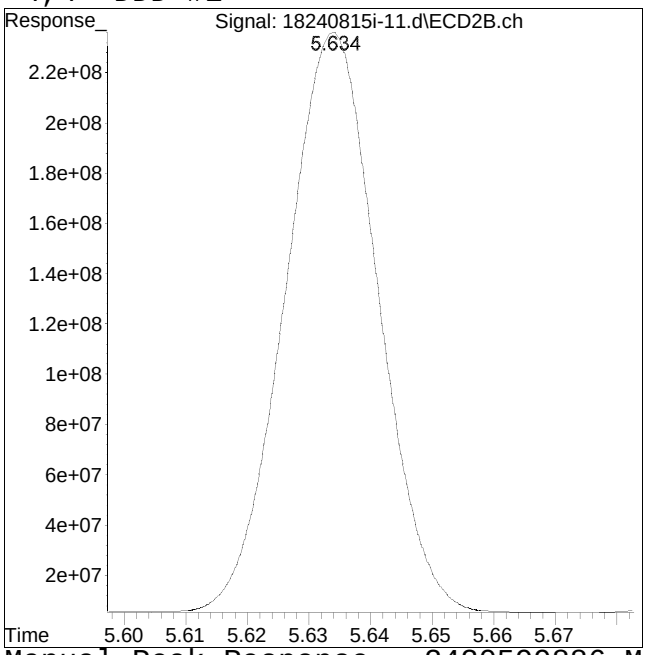
Original Peak Response = 3845544437 Manual Peak Response = 3827370307 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #57: 4,4'-DDD #2



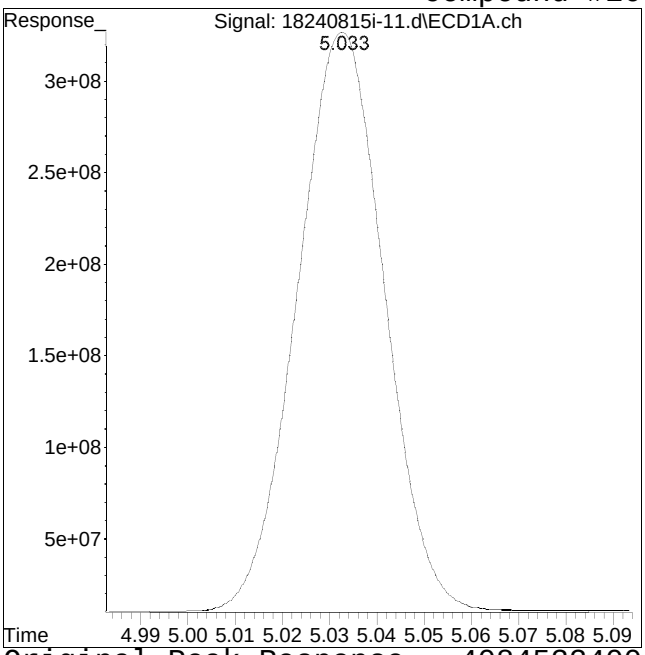


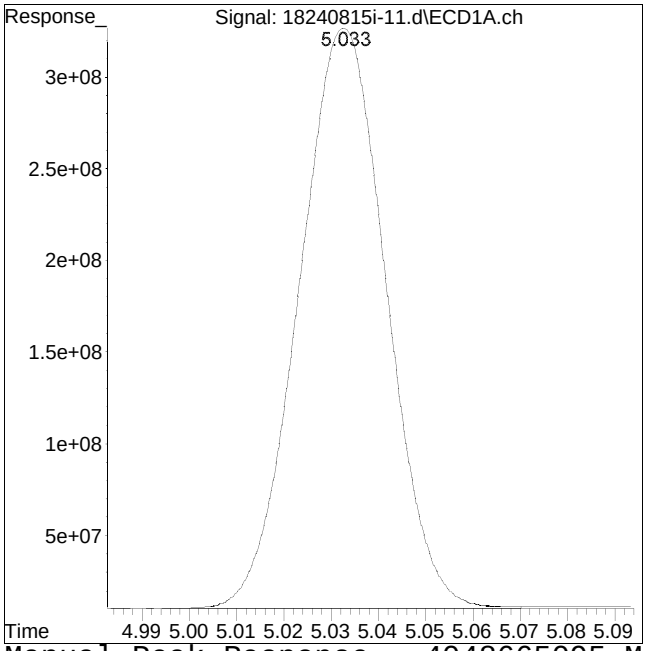
Original Peak Response = 2444820120 Manual Peak Response = 2420599886 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #20: Endosulfan II



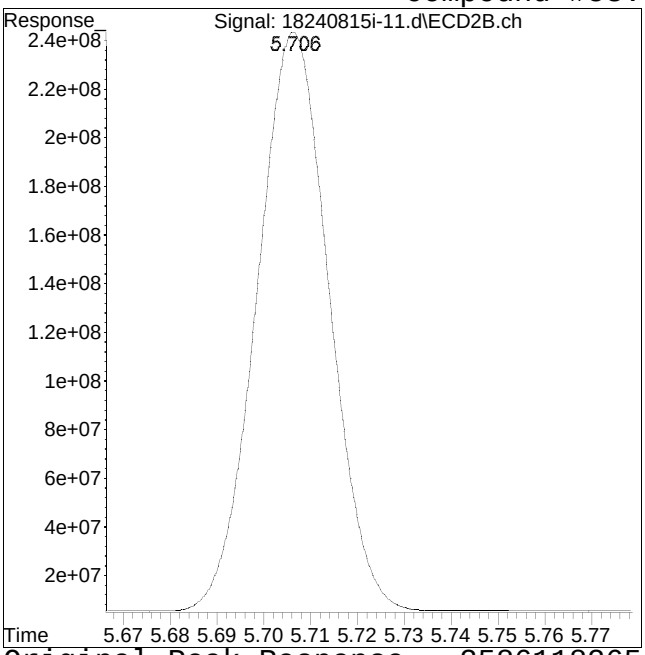


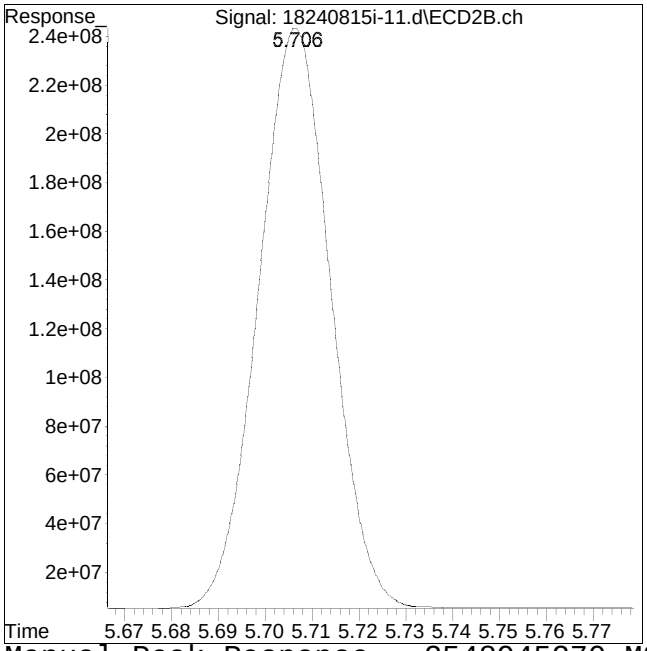
Original Peak Response = 4084533400 Manual Peak Response = 4048665095 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #58: Endosulfan II #2



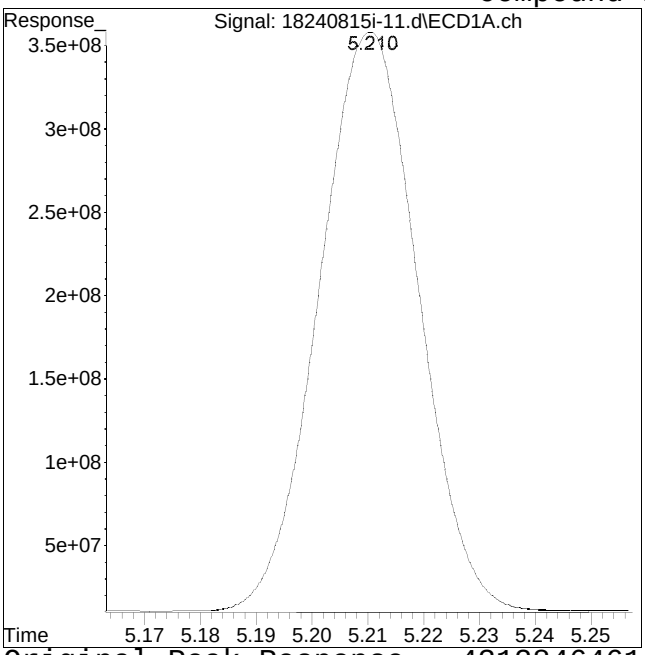


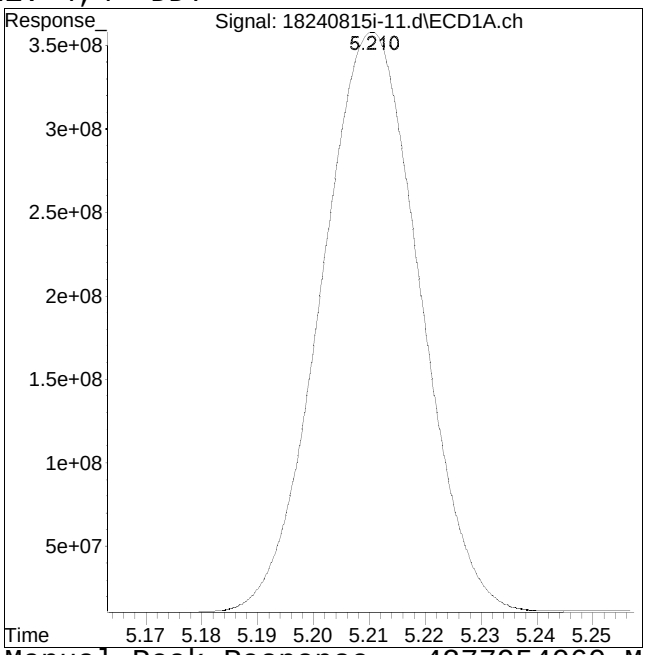
Original Peak Response = 2586118265 Manual Peak Response = 2548945270 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #21: 4,4'-DDT



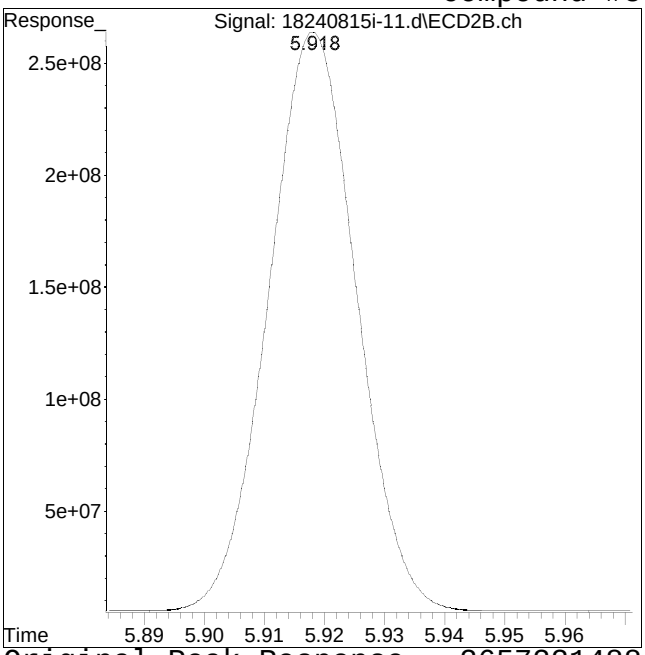


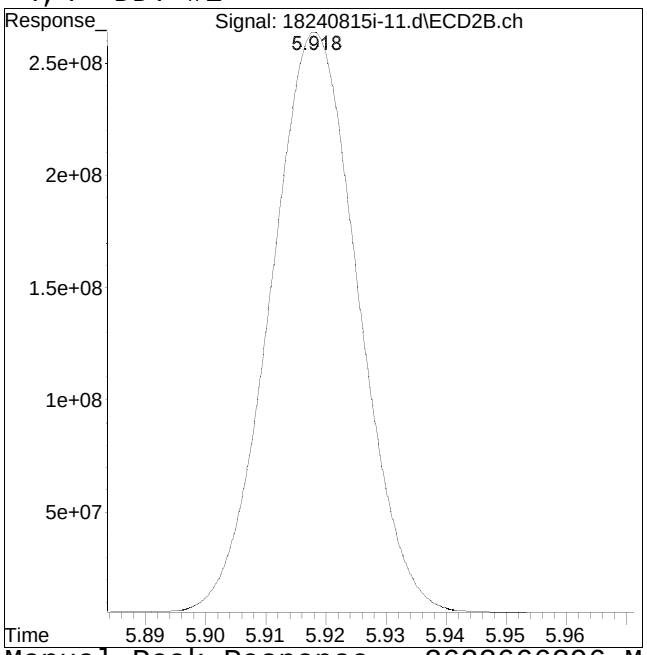
Original Peak Response = 4312846461 Manual Peak Response = 4277954060 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #59: 4,4'-DDT #2



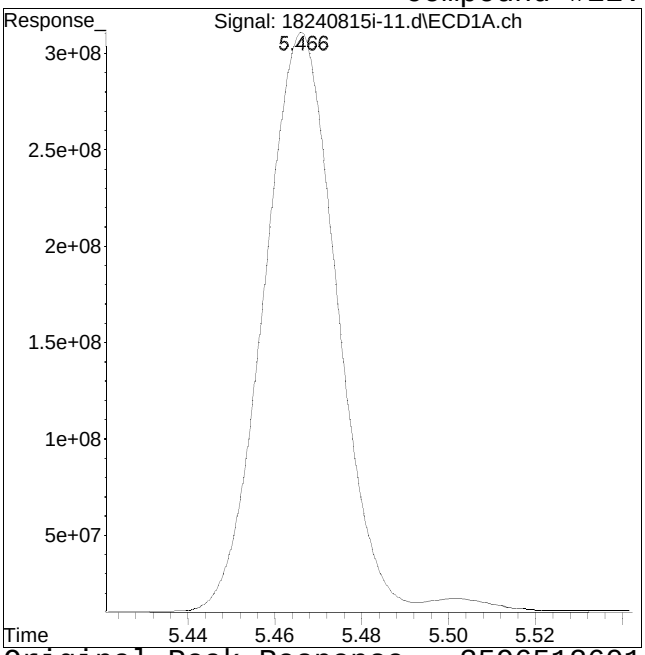


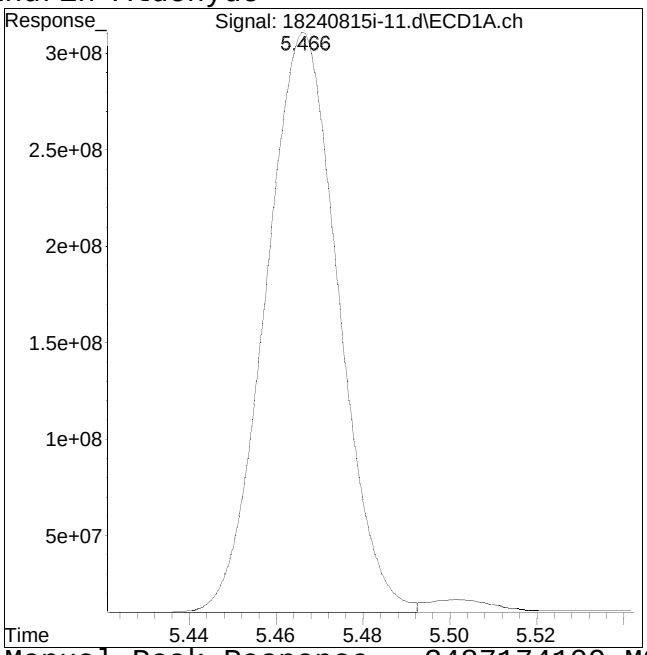
Original Peak Response = 2657221488 Manual Peak Response = 2623666296 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #22: Endrin Aldehyde



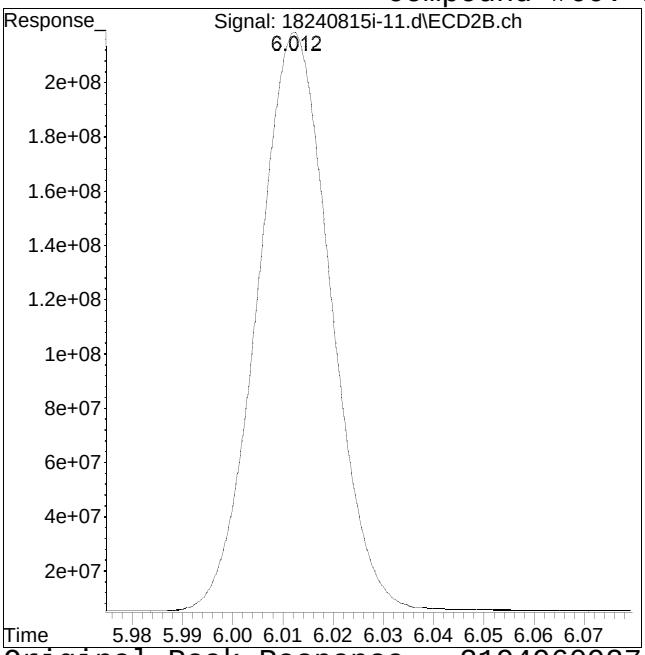


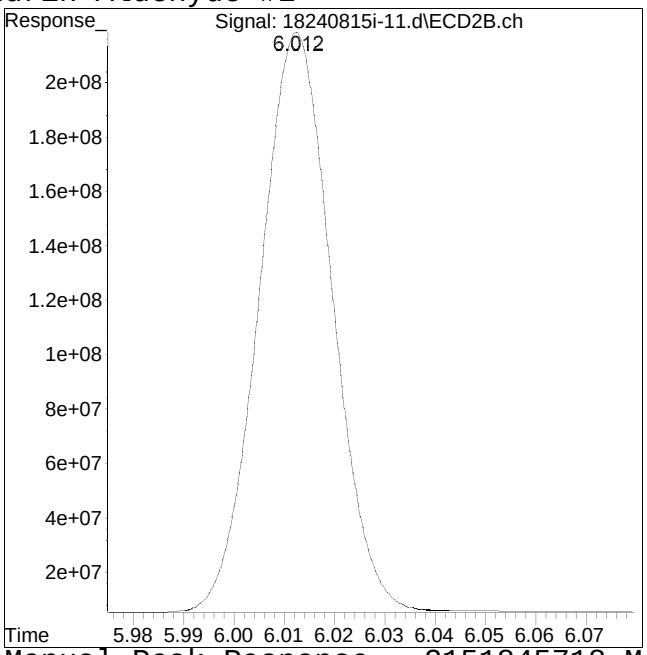
Original Peak Response = 3596512601 Manual Peak Response = 3487174109 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #60: Endrin Aldehyde #2





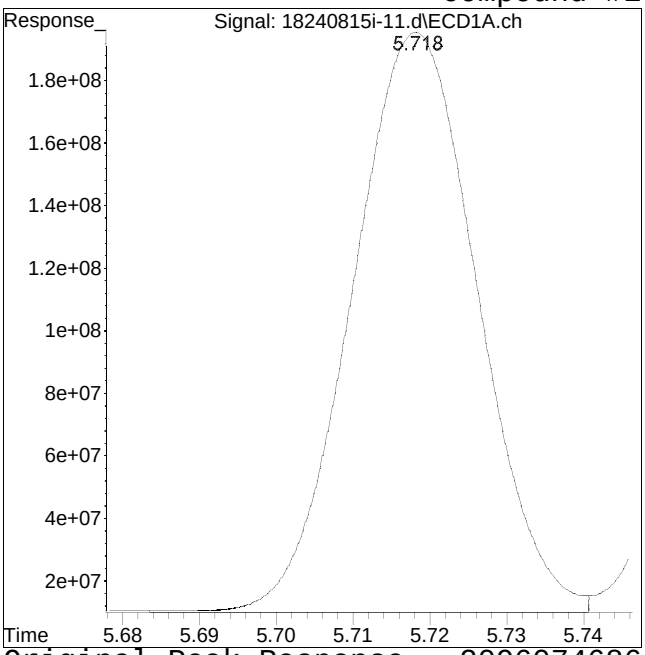
Original Peak Response = 2194960927 Manual Peak Response = 2151845718 M4
M4 = Poor automated baseline construction.

Manual Integration Report

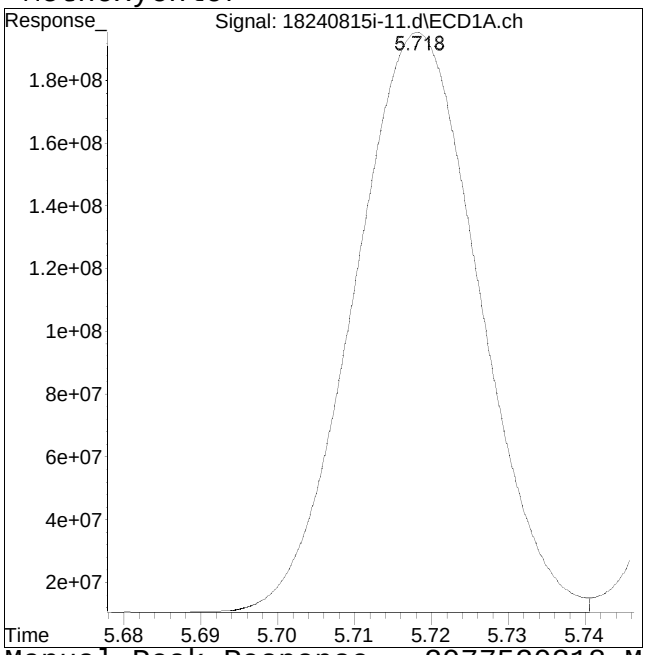
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-11.d
Date Inj'd : 8/15/2024 15:36
Sample : il10pest,42e,,pp 11679 L0.

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:27 am

Compound #23: Methoxychlor



Original Peak Response = 2096074686



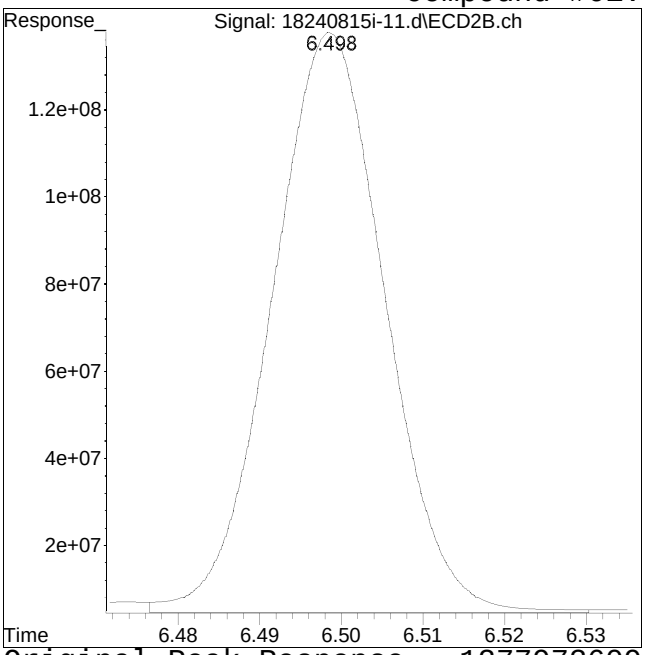
Manual Peak Response = 2077520318 M4

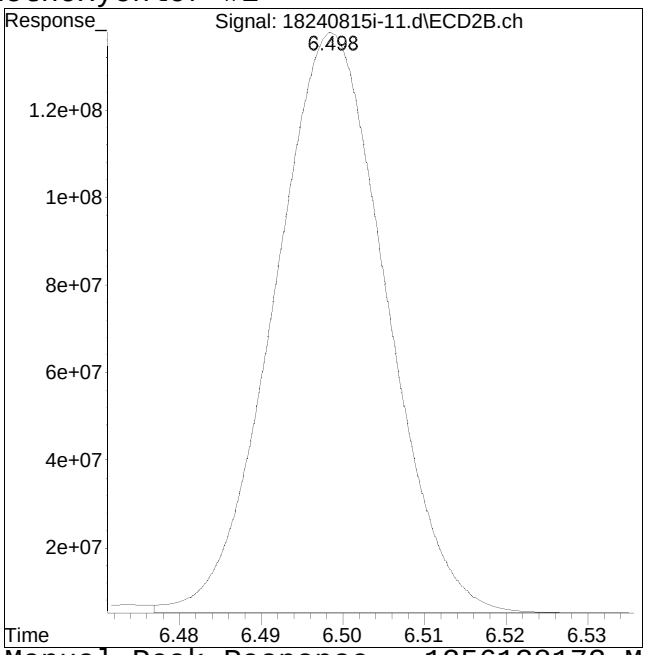
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #61: Methoxychlor #2



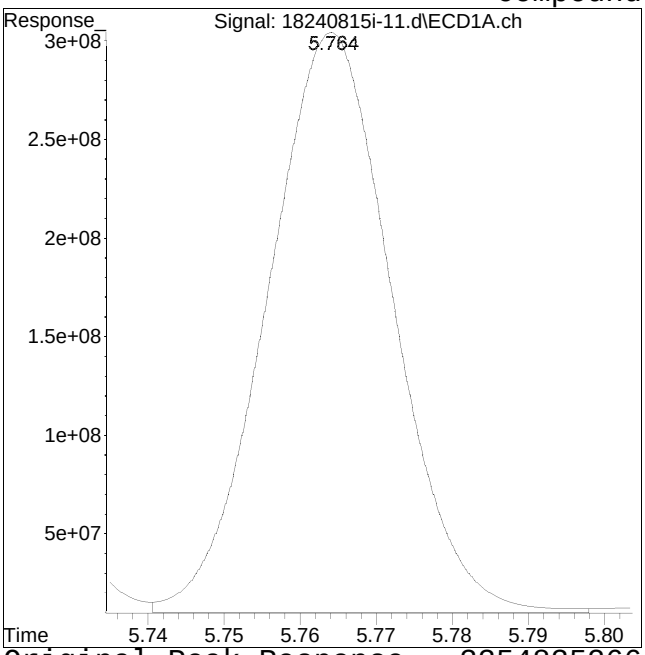


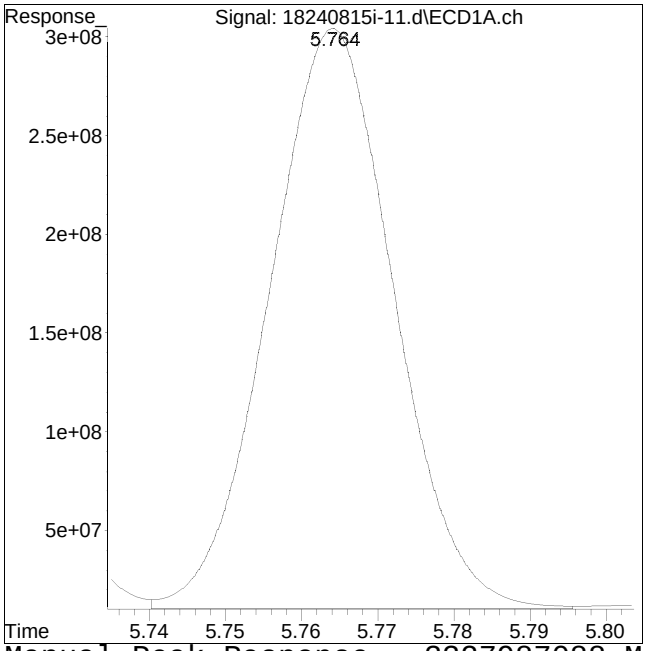
Original Peak Response = 1277973609 Manual Peak Response = 1256138173 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #24: Mirex





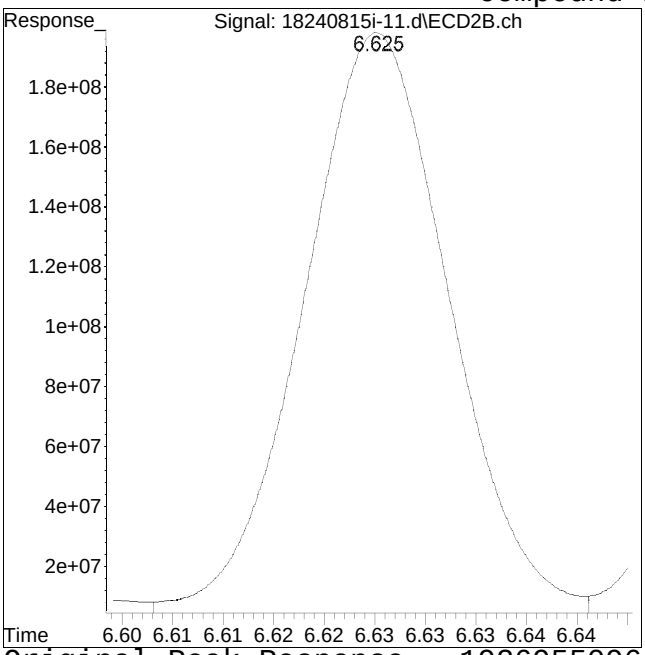
Original Peak Response = 3354835266 Manual Peak Response = 3327987088 M4
M4 = Poor automated baseline construction.

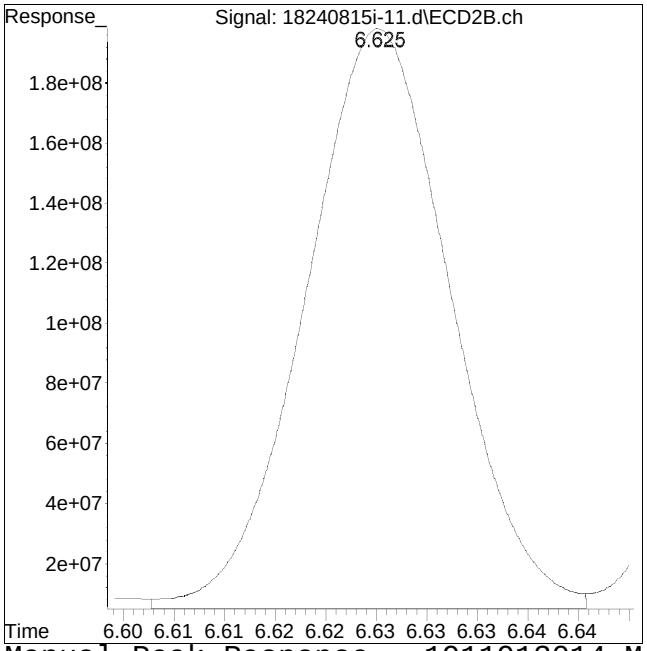
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-11.d
Date Inj'd : 8/15/2024 15:36
Sample : il10pest,42e,,pp 11679 L0.

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:27 am

Compound #62: Mirex #2



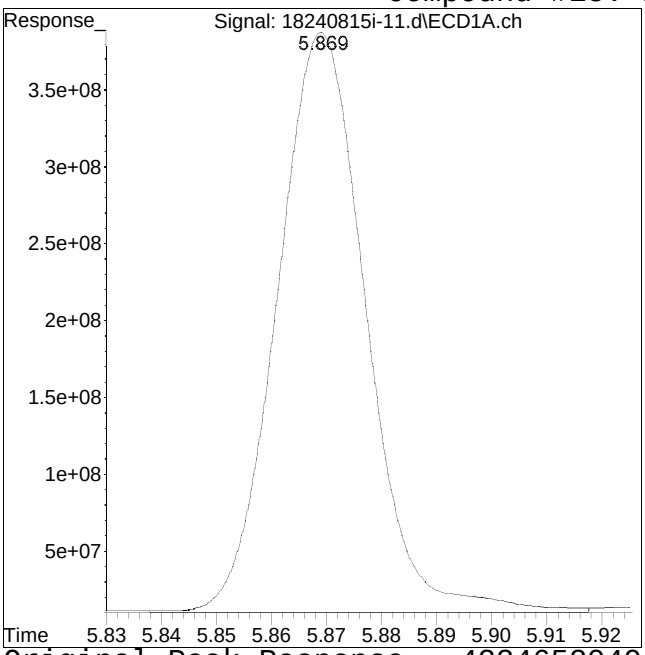


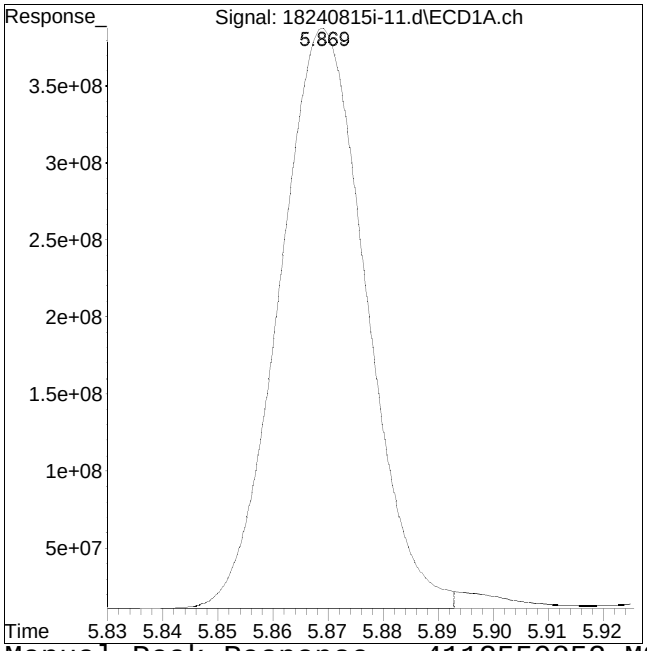
Original Peak Response = 1926955096 Manual Peak Response = 1911913014 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #25: Endosulfan Sulfate



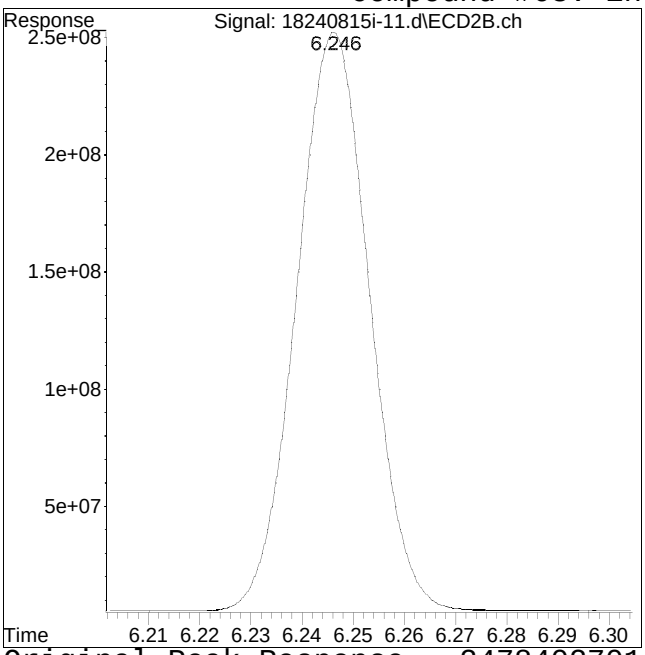


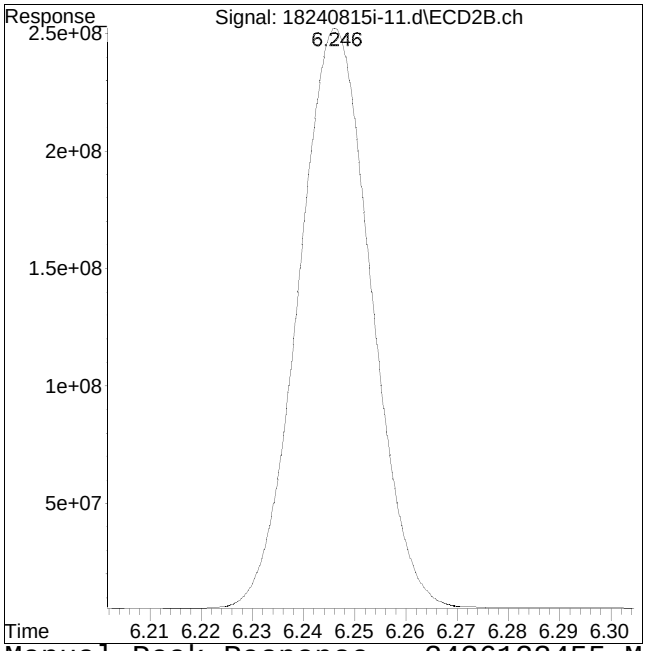
Original Peak Response = 4234652049 Manual Peak Response = 4112550852 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #63: Endosulfan Sulfate #2



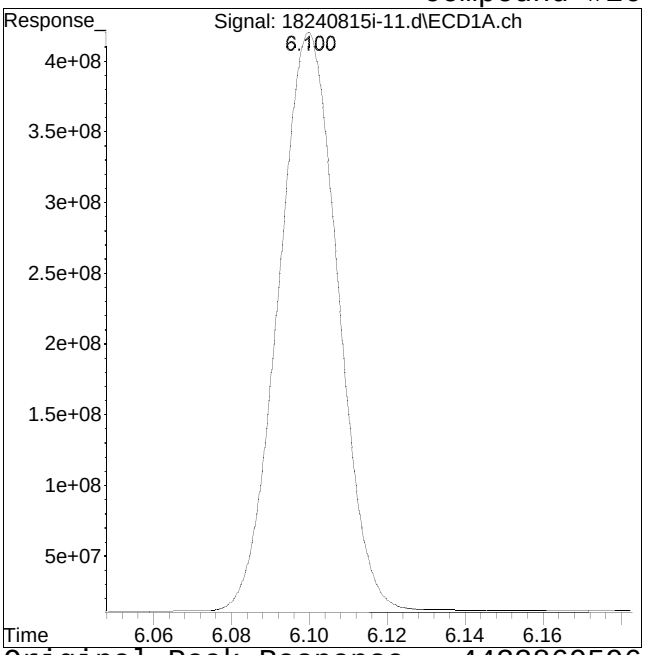


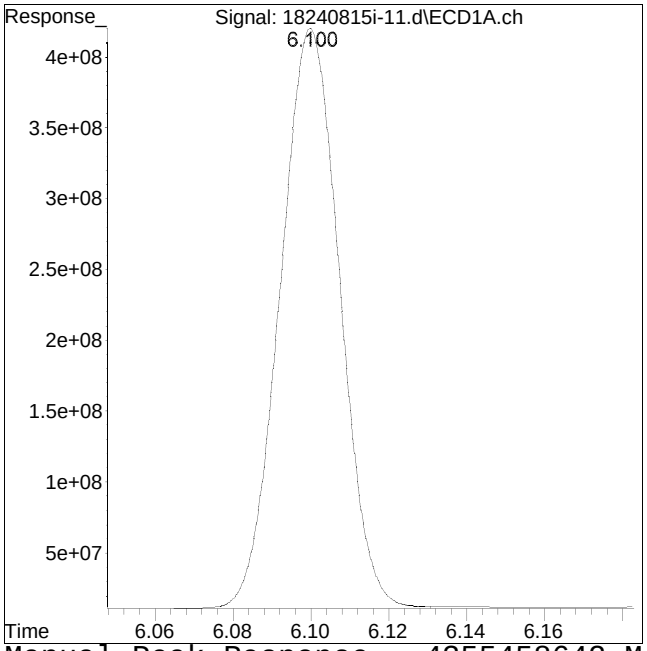
Original Peak Response = 2478402701 Manual Peak Response = 2436123455 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #26: Endrin Ketone



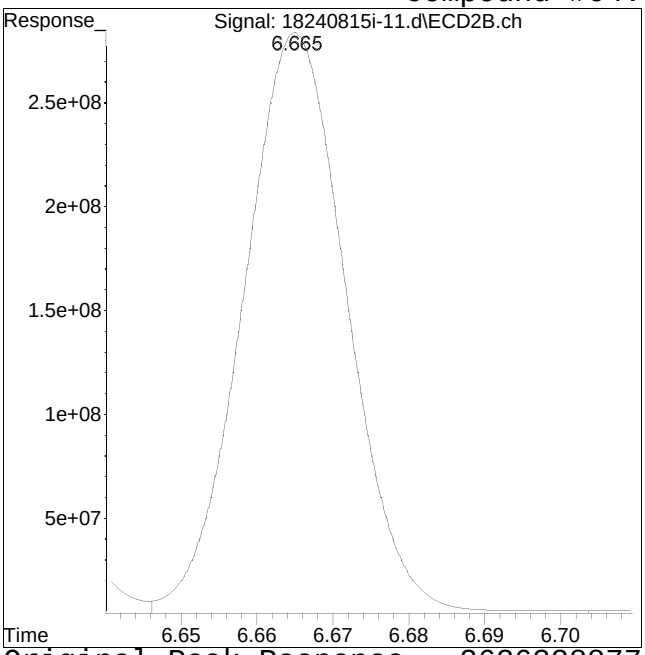


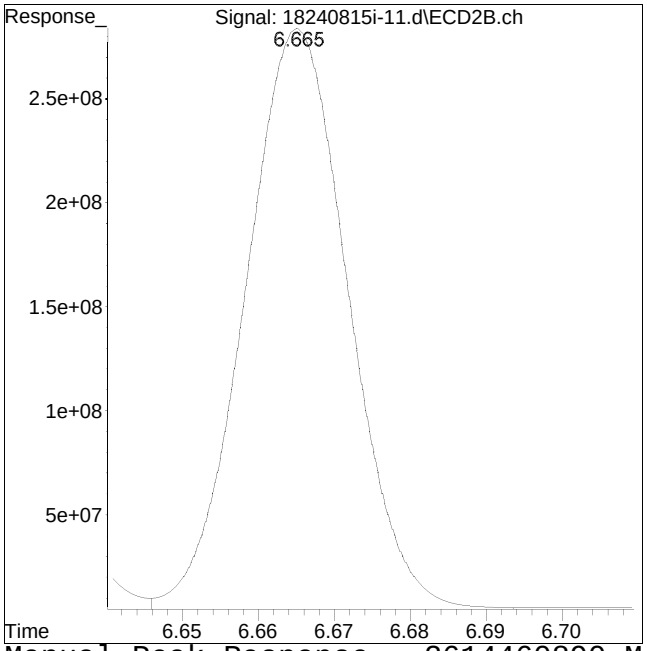
Original Peak Response = 4433869596 Manual Peak Response = 4355458642 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #64: Endrin Ketone #2



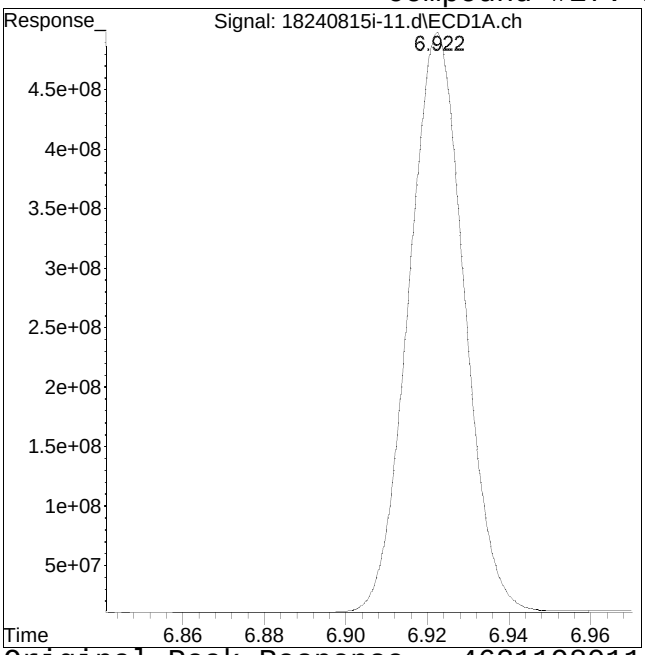


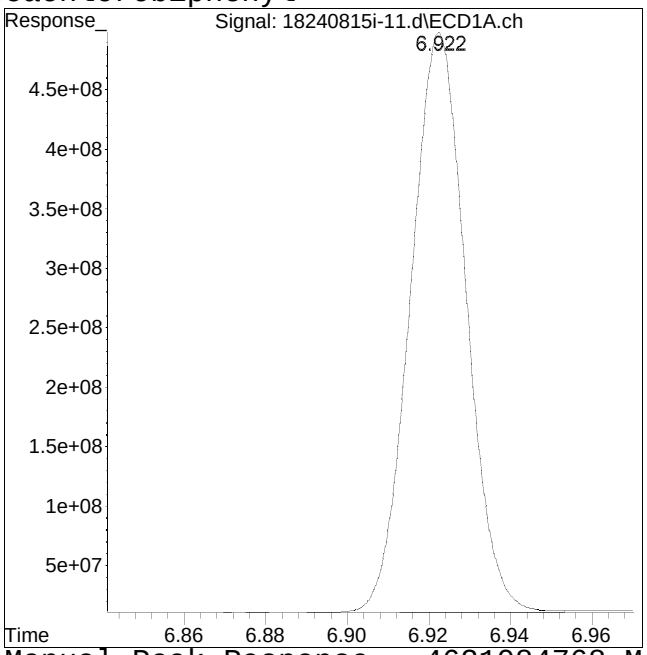
Original Peak Response = 2636328877 Manual Peak Response = 2614460890 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #27: Decachlorobiphenyl



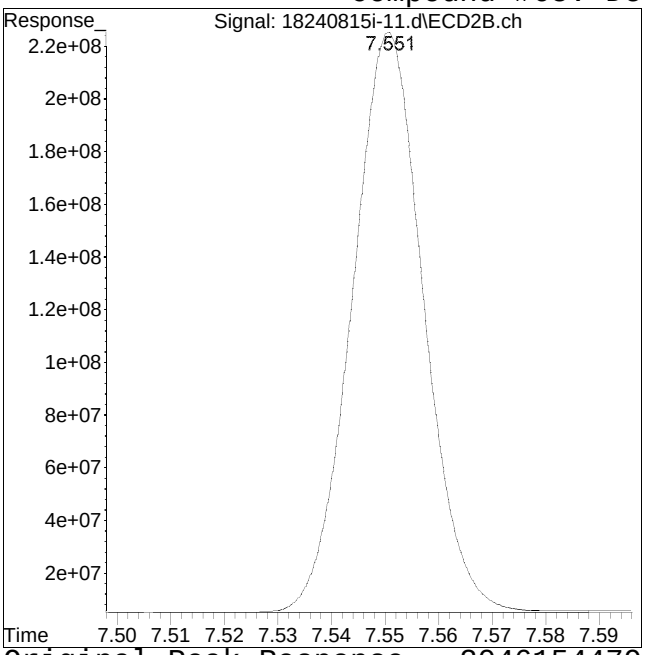


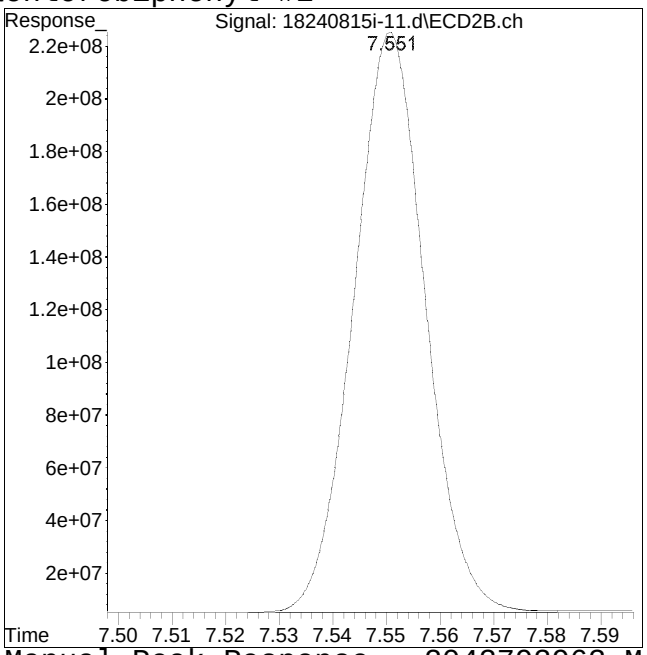
Original Peak Response = 4631198011 Manual Peak Response = 4621084768 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-11.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:36 Instrument : Pest 18
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/16/2024 6:27 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 2046154479 Manual Peak Response = 2043793963 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:48
Operator : PEST18:peg
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1961557,ical
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:57:21 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:57:10 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.683	1.784	552.7E6	339.1E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.118	2.340	9556.6E6	6138.8E6	388.556M3	401.096M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =	777.11%#	802.19%#	
27) s	Decachlorobi	6.922	7.548	10767.4E6	4867.2E6	420.508M4	424.116M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =	841.02%#	848.23%#	
	Target Compounds						
3)	Hexachlorobe	2.358	2.684	11399.3E6	6374.6E6	399.096M3	407.749M4
4)	alpha-BHC	2.470	2.787	13945.5E6	9427.6E6	415.352M4	424.297M4
5)	gamma-BHC (l	2.689	3.083	12164.0E6	8336.9E6	408.193M3	422.021M4
6)	beta-BHC	2.752	3.156	5084.5E6	3474.6E6	398.318M4	410.821M4
7)	delta-BHC	2.885	3.426	12587.5E6	8610.1E6	412.657M4	427.175M4
8)	Heptachlor	3.054	3.484	10152.5E6	7032.2E6	381.488M4	407.042M4
9)	Aldrin	3.304	3.804	10786.5E6	7483.8E6	396.892M4	418.070M4
10)	Alachlor	3.441	3.699	1204.7E6	815.4E6	347.207M4	364.749M4
11)	Chlorpyrifos	3.536	4.055	4022.9E6	2759.7E6	363.292M4	378.417M3

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:48
Operator : PEST18:peg
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1961557,ical
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:57:21 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:57:10 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	3.862	4.424	9163.6E6	6635.9E6	387.279M3	411.934M4
13)		gamma-Chlord	3.988	4.646	9694.4E6	6557.1E6	411.668M4	431.657M4
14)		alpha-Chlord	4.125	4.821	10833.1E6	7219.3E6	410.886M3	429.527
15)		4,4'-DDE	4.231	5.035	11386.7E6	7407.2E6	415.583M4	428.532M4
16)		Endosulfan I	4.260	4.883	8888.0E6	6348.1E6	385.284M4	413.999M4
17)		Dieldrin	4.523	5.190	10059.8E6	6890.3E6	398.938M4	423.144M4
18)		Endrin	4.779	5.498	9802.5E6	6638.5E6	391.757M4	417.632M4
19)		4,4'-DDD	4.905	5.634	8610.8E6	5799.1E6	411.876M4	435.952M4
20)		Endosulfan I	5.032	5.706	8558.3E6	5712.4E6	386.050M4	409.614M4
21)		4,4'-DDT	5.210	5.918	9659.5E6	6245.3E6	411.554M4	432.120M4
22)		Endrin Aldeh	5.466	6.012	7528.3E6	4975.6E6	396.439M4	422.366M4
23)		Methoxychlor	5.718	6.498	4324.0E6	2830.5E6	370.190M4	400.533M4
24)		Mirex	5.764	6.625	7660.1E6	4618.9E6	412.130M3	428.408M4
25)		Endosulfan S	5.869	6.246	8945.3E6	5669.6E6	397.525M3	423.051M4
26)		Endrin Keton	6.099	6.665	9107.3E6	5992.6E6	377.876M4	415.710M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:48
Operator : PEST18:peg
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1961557,ical
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:57:21 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:57:10 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

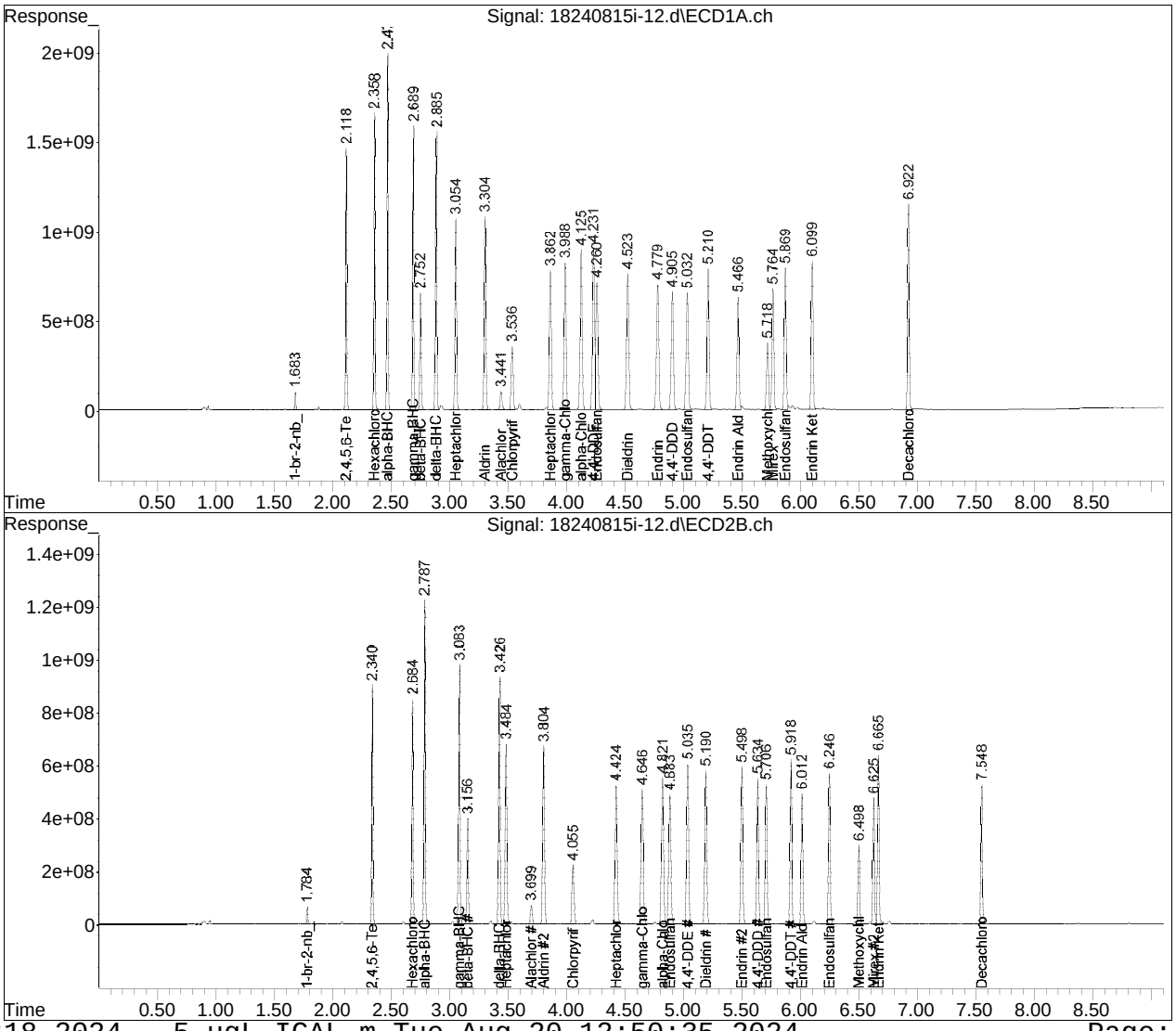
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:48
Operator : PEST18:peg
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1961557,ical
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 06:57:21 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 06:57:10 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

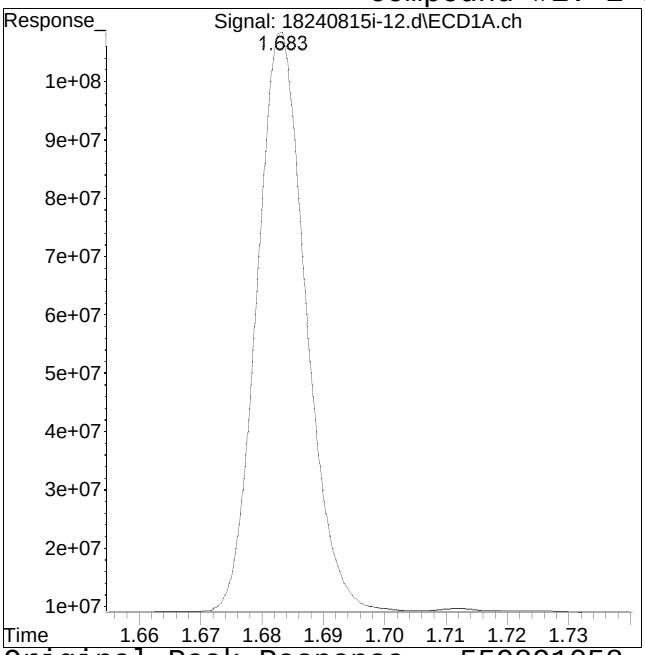


Manual Integration Report

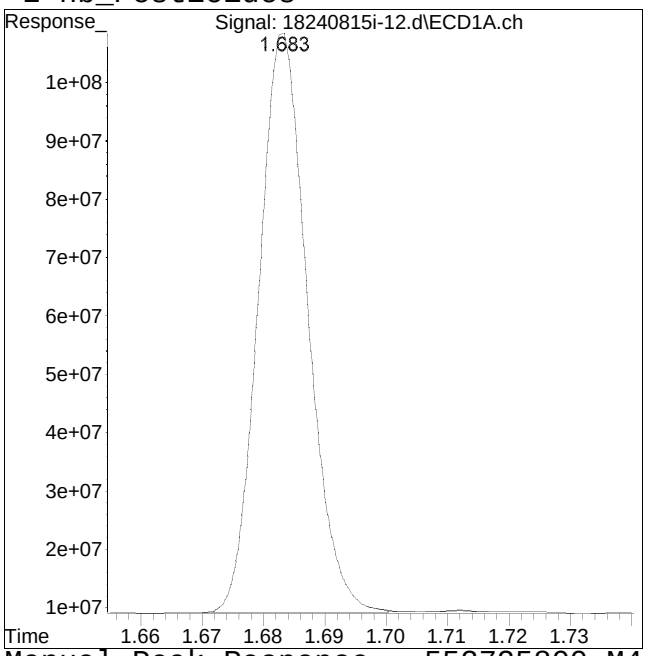
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-12.d
Date Inj'd : 8/15/2024 15:48
Sample : il11pest,42e,,pp 11678 L0.

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:57 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 559891058



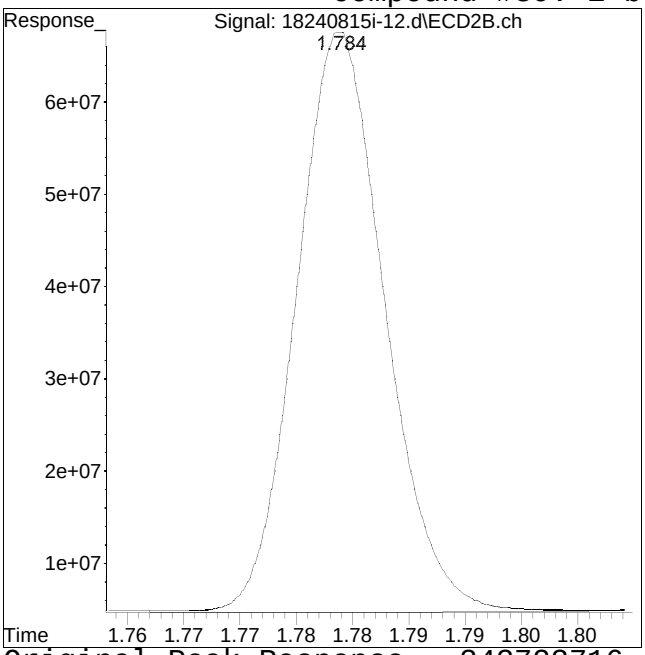
Manual Peak Response = 552725800 M4

M4 = Poor automated baseline construction.

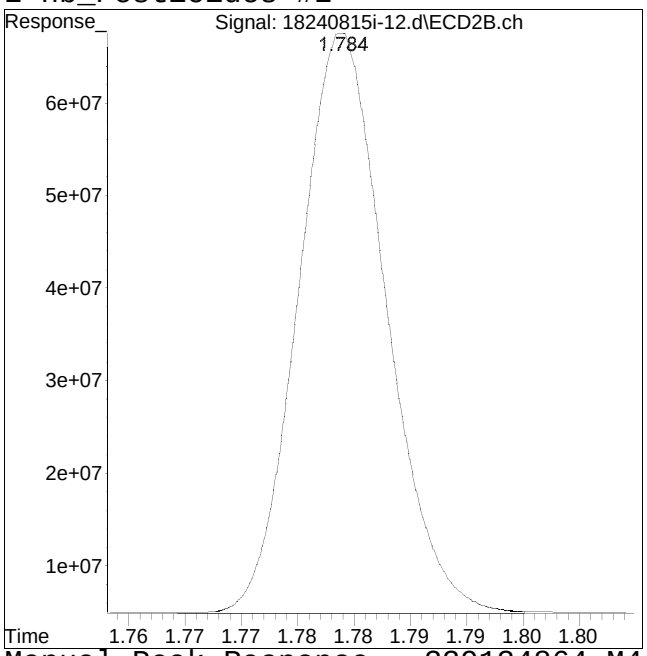
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 343723716



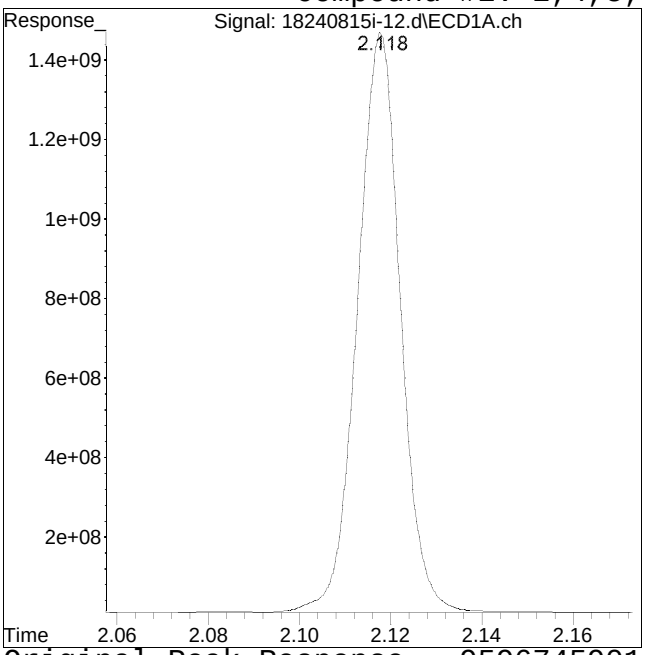
Manual Peak Response = 339134864 M4

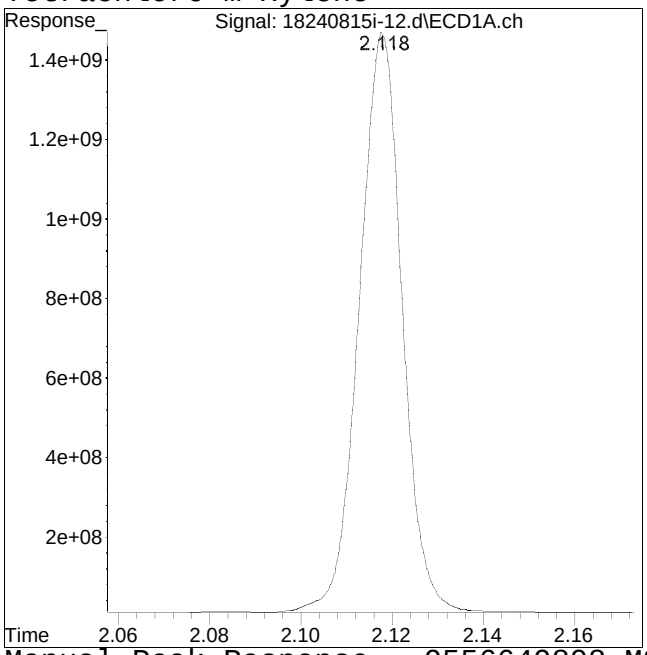
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



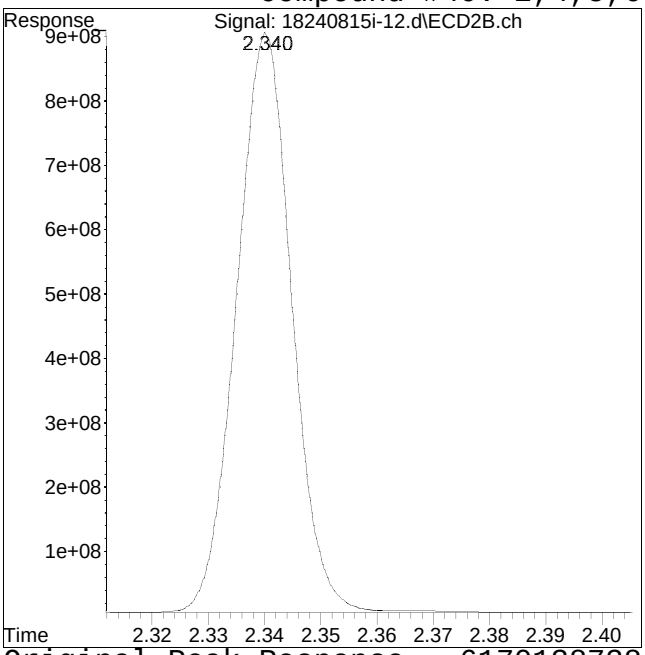


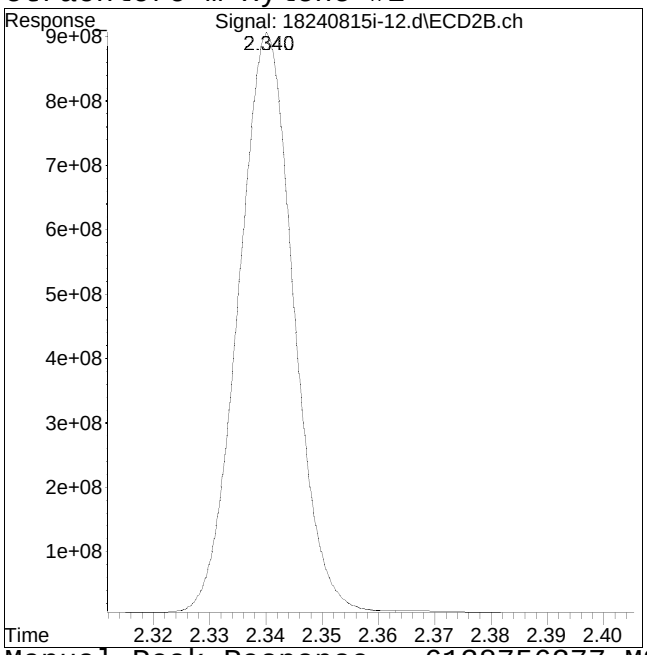
Original Peak Response = 9596745901 Manual Peak Response = 9556649808 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



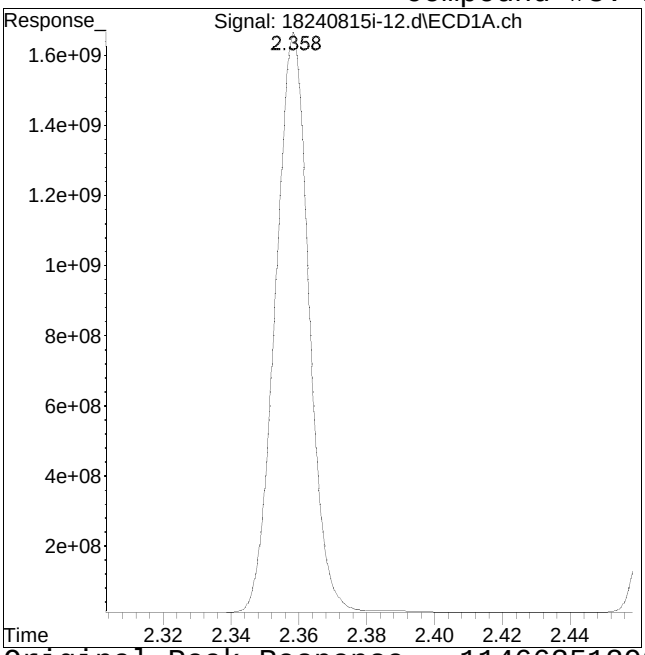


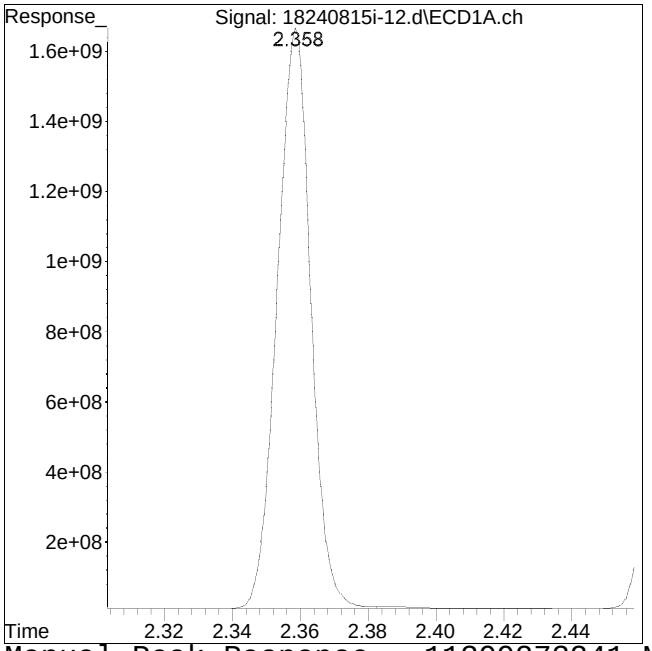
Original Peak Response = 6170138738 Manual Peak Response = 6138756377 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #3: Hexachlorobenzene



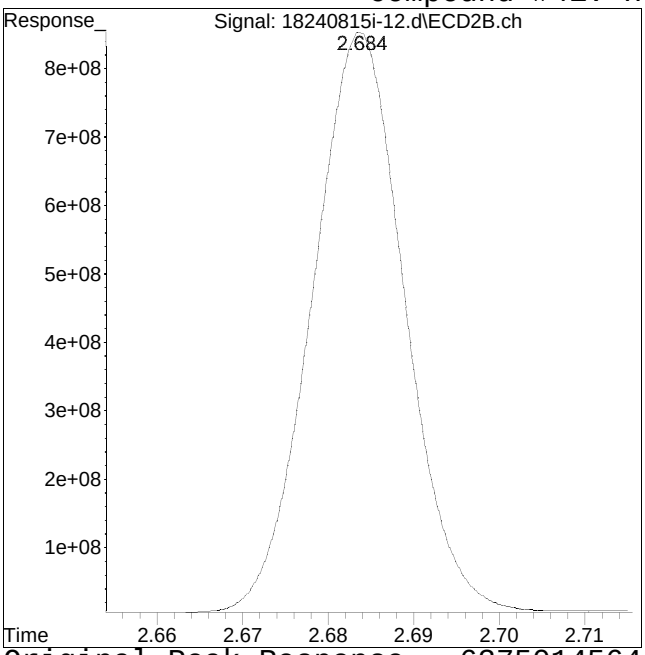


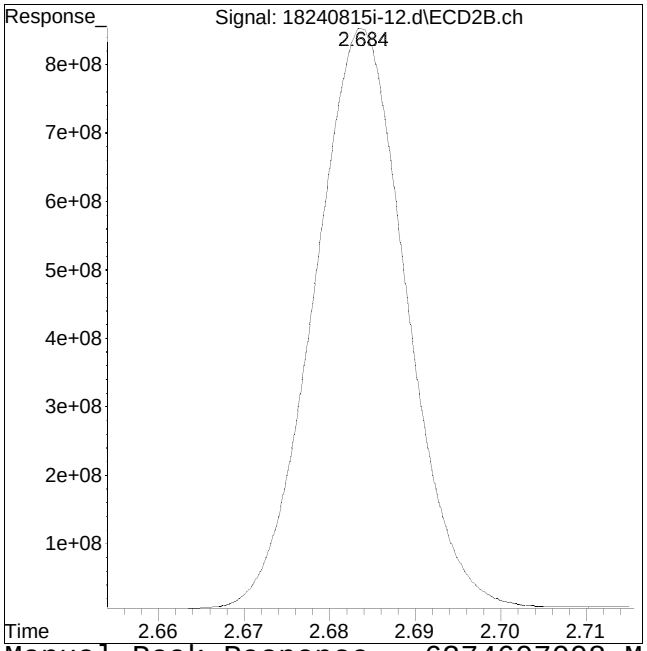
Original Peak Response = 11466251290 Manual Peak Response = 11399273241 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-12.d
Date Inj'd : 8/15/2024 15:48
Sample : il11pest,42e,,pp 11678 L0.
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:57 am

Compound #41: Hexachlorobenzene #2



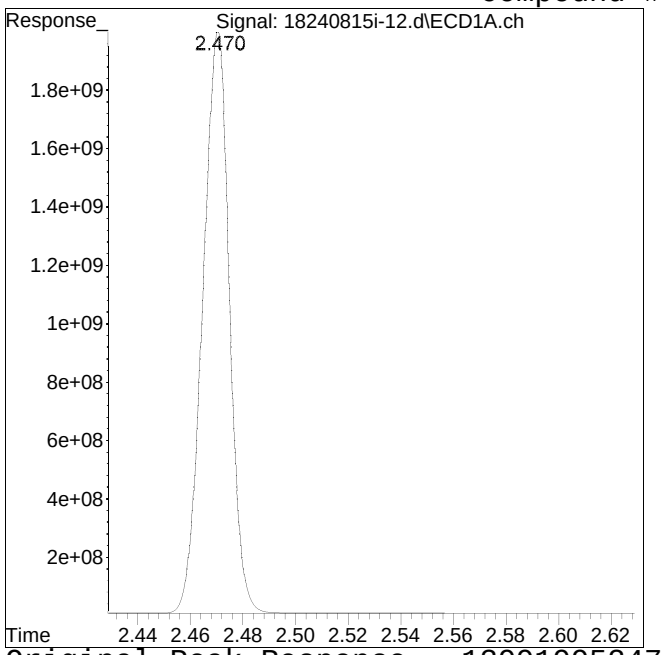


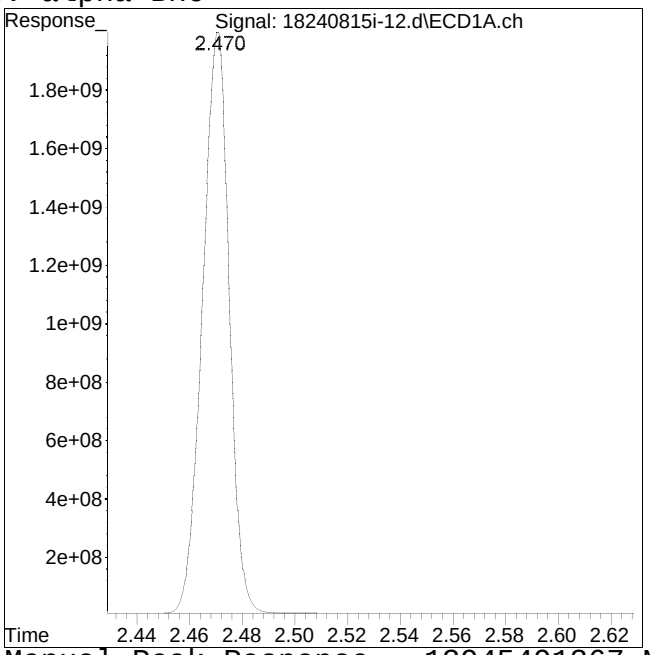
Original Peak Response = 6375014564 Manual Peak Response = 6374607008 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #4: alpha-BHC



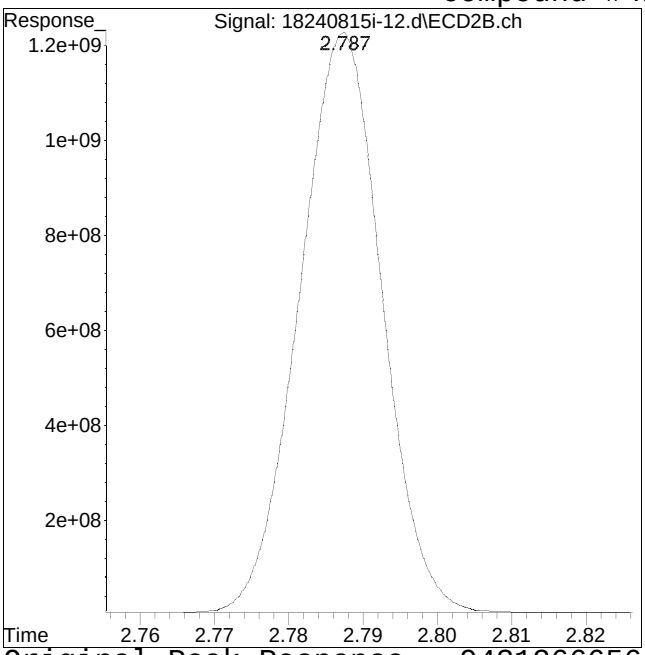


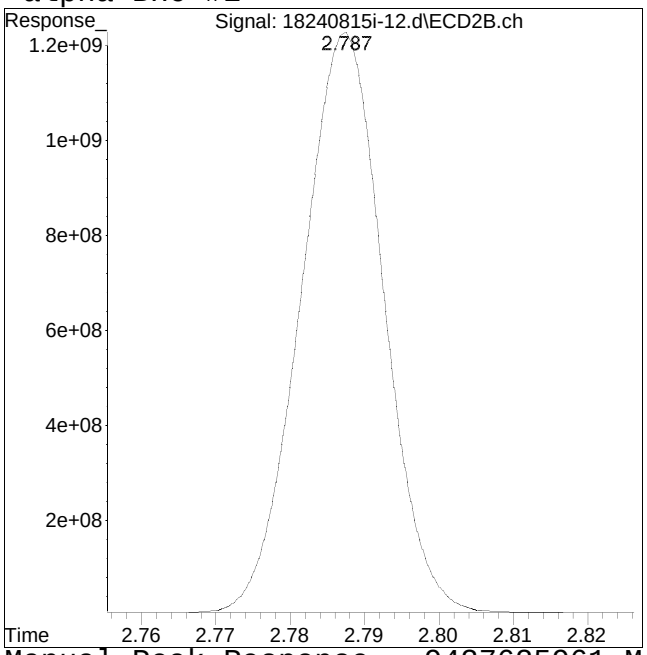
Original Peak Response = 13991995247 Manual Peak Response = 13945491367 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #42: alpha-BHC #2



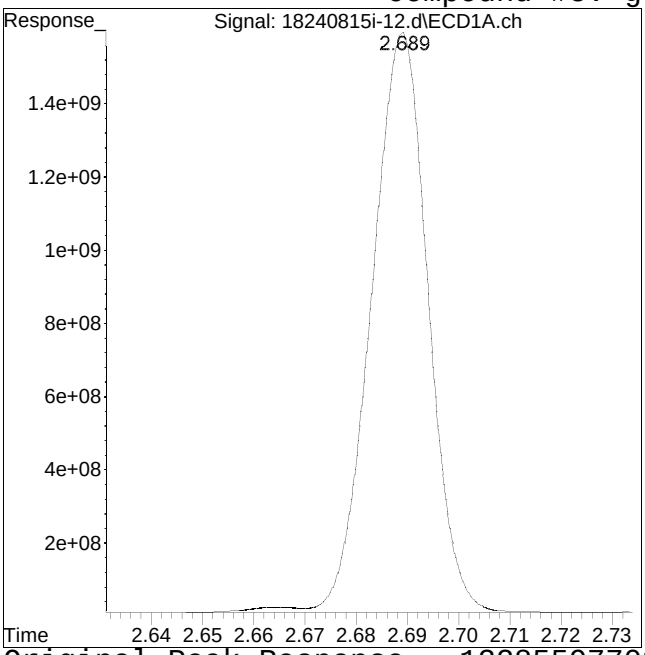


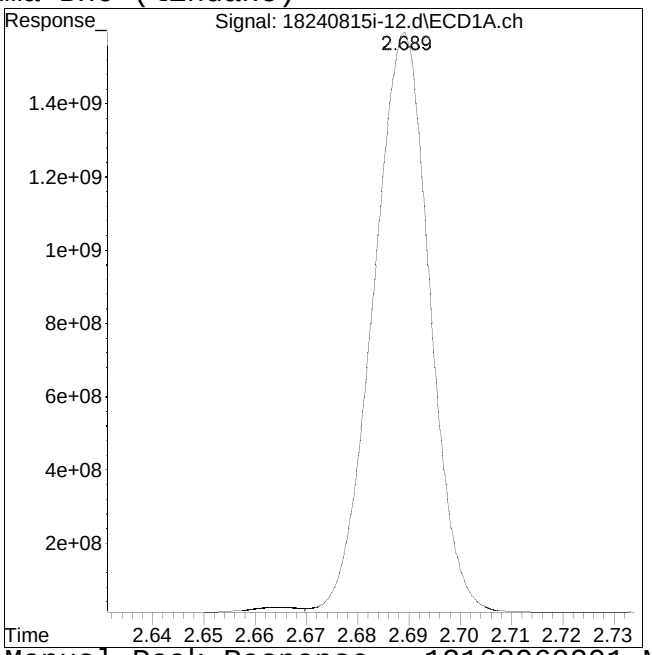
Original Peak Response = 9431266656 Manual Peak Response = 9427625961 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #5: gamma-BHC (lindane)



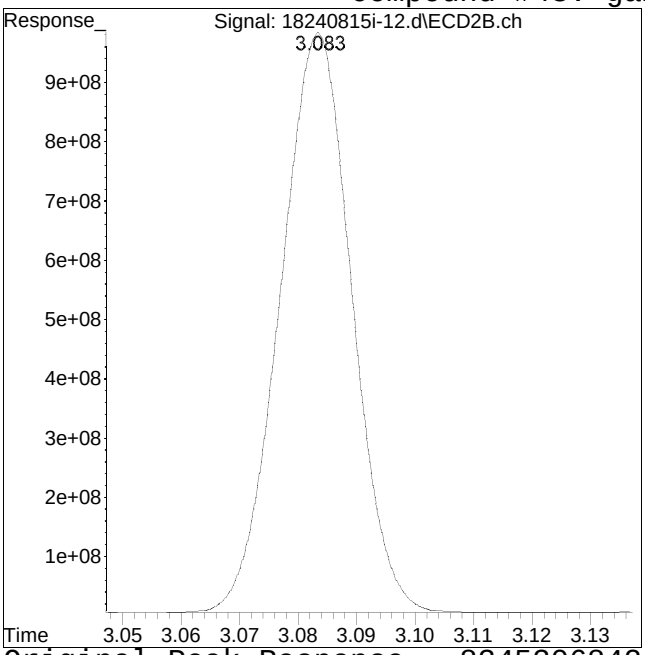


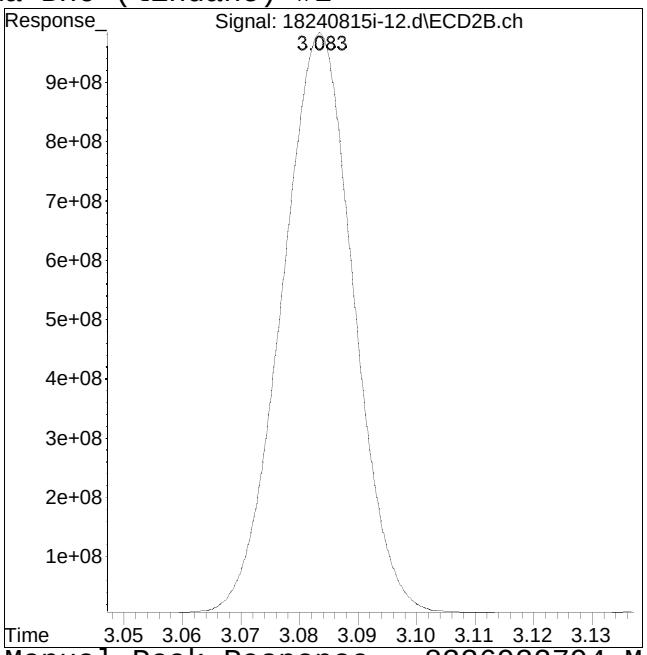
Original Peak Response = 12285597703 Manual Peak Response = 12163969291 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #43: gamma-BHC (lindane) #2



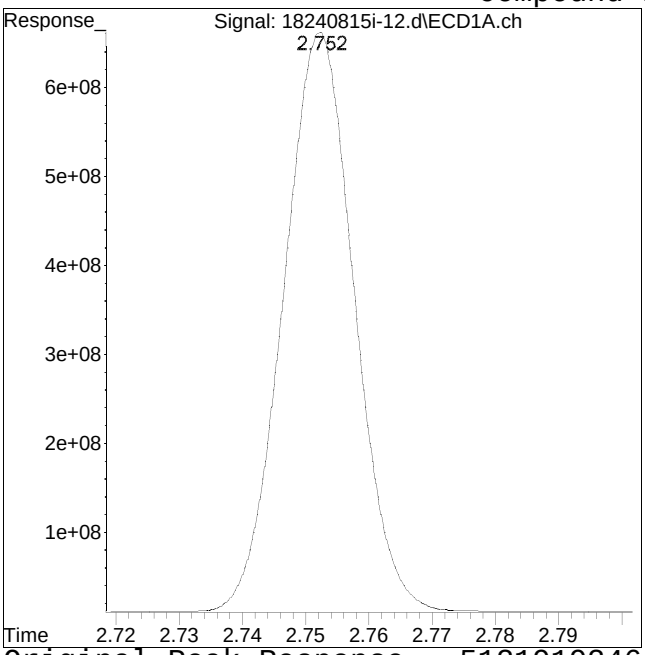


Original Peak Response = 8345306842 Manual Peak Response = 8336932794 M4
M4 = Poor automated baseline construction.

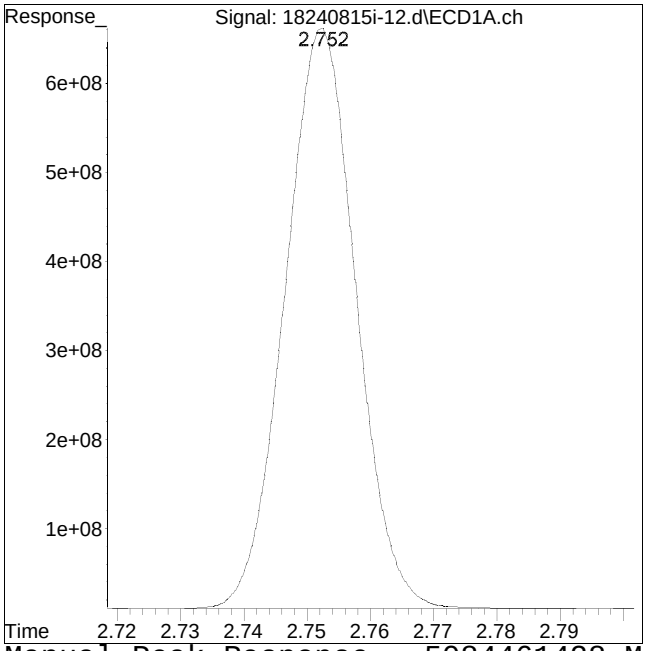
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #6: beta-BHC



Original Peak Response = 5121919246

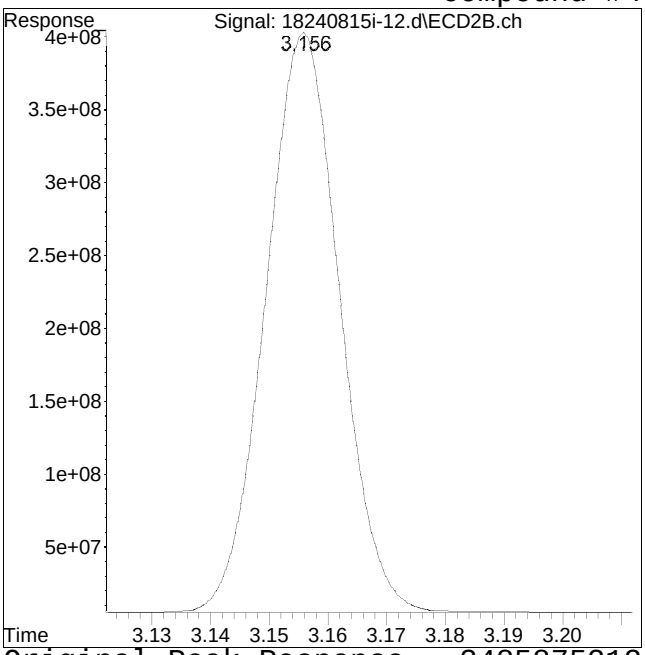


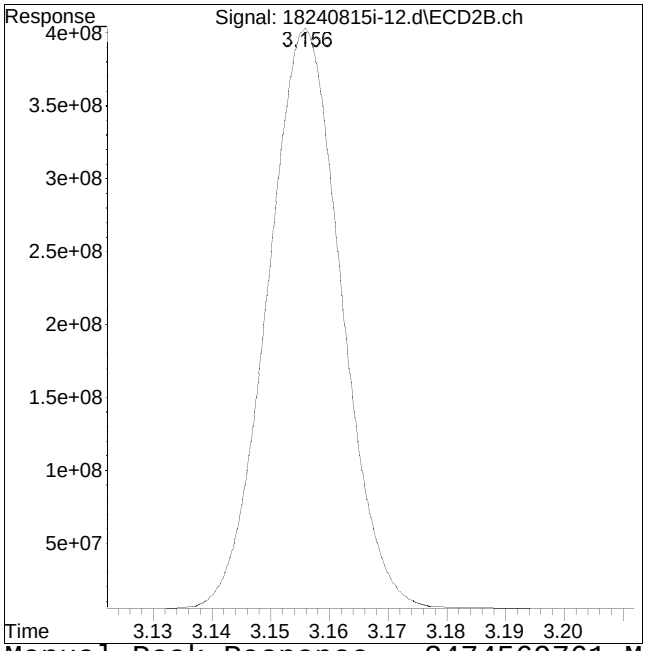
Manual Peak Response = 5084461428 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-12.d
Date Inj'd : 8/15/2024 15:48
Sample : il11pest,42e,,pp 11678 L0.
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:57 am

Compound #44: beta-BHC #2



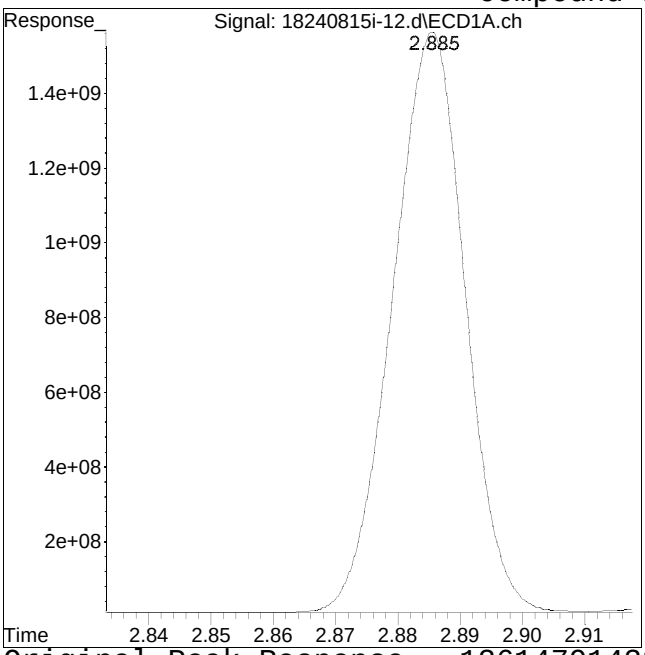


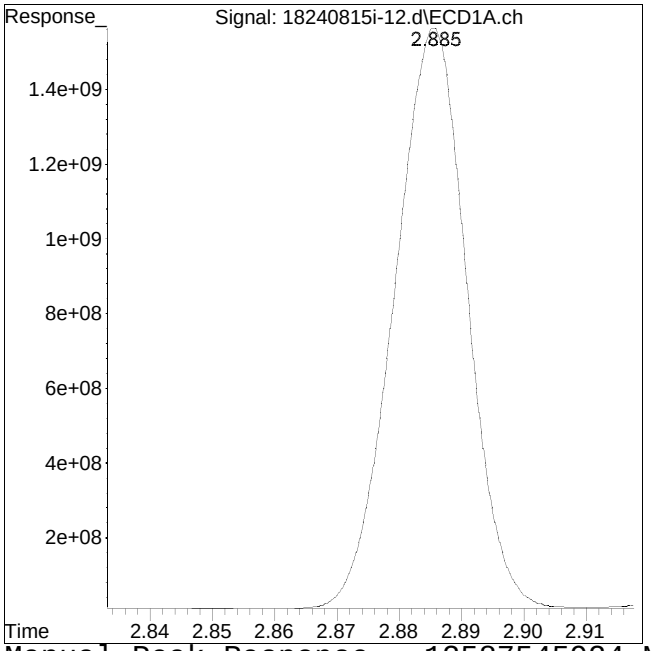
Original Peak Response = 3485875212 Manual Peak Response = 3474569761 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #7: delta-BHC



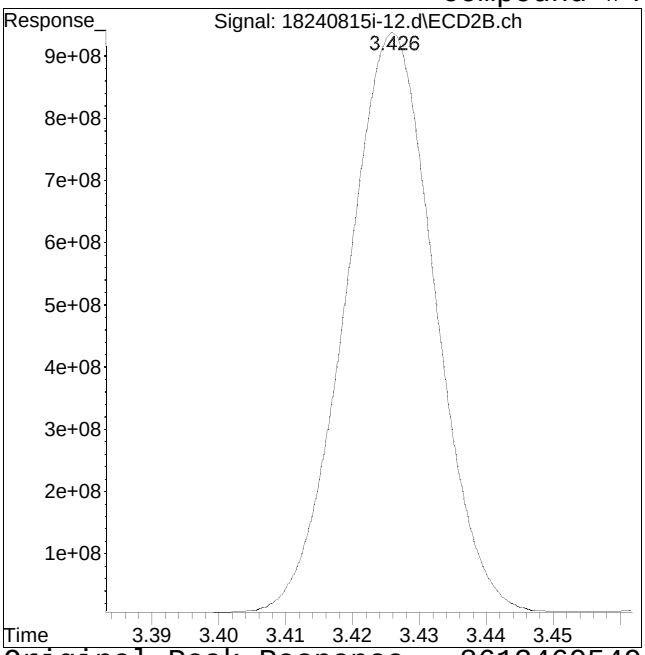


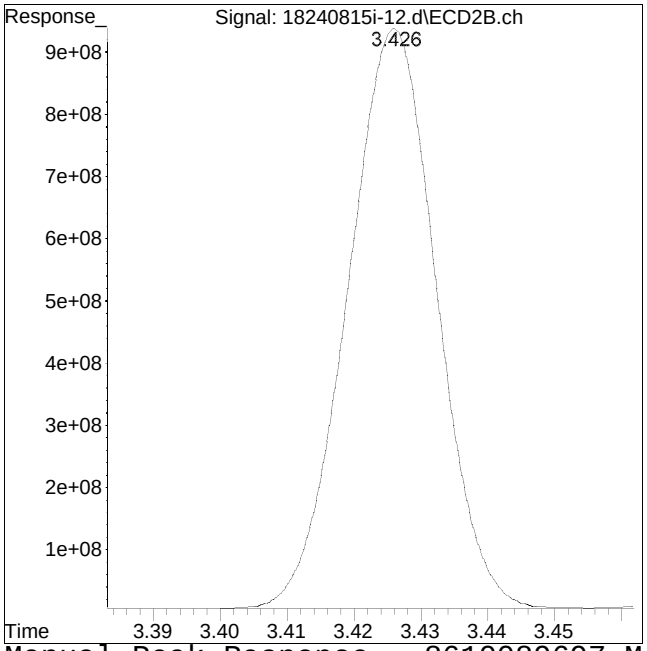
Original Peak Response = 12614791438 Manual Peak Response = 12587545924 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #45: delta-BHC #2



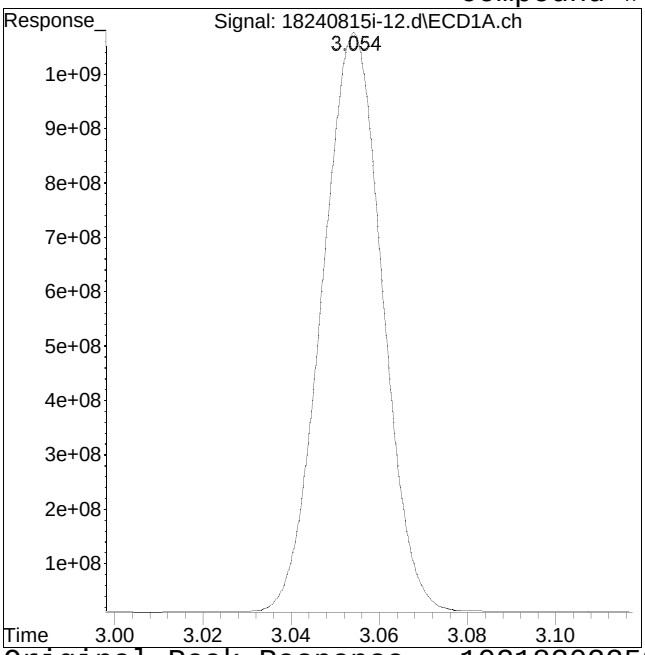


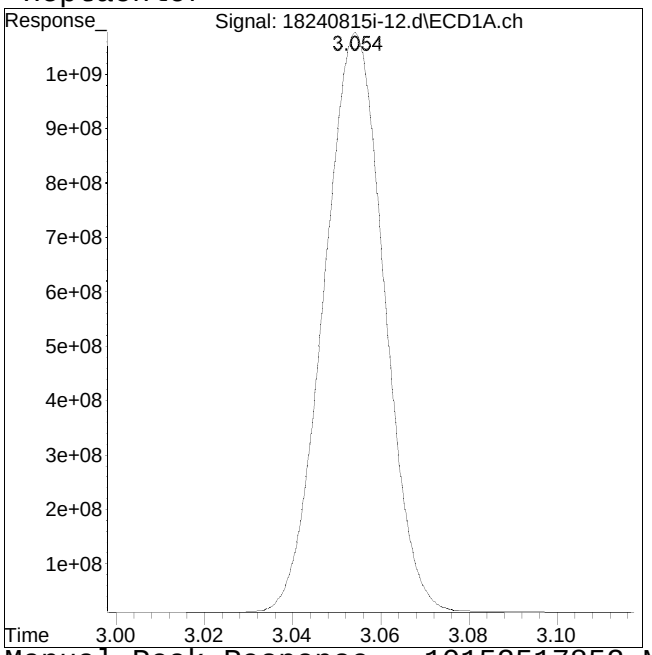
Original Peak Response = 8613469549 Manual Peak Response = 8610089697 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #8: Heptachlor



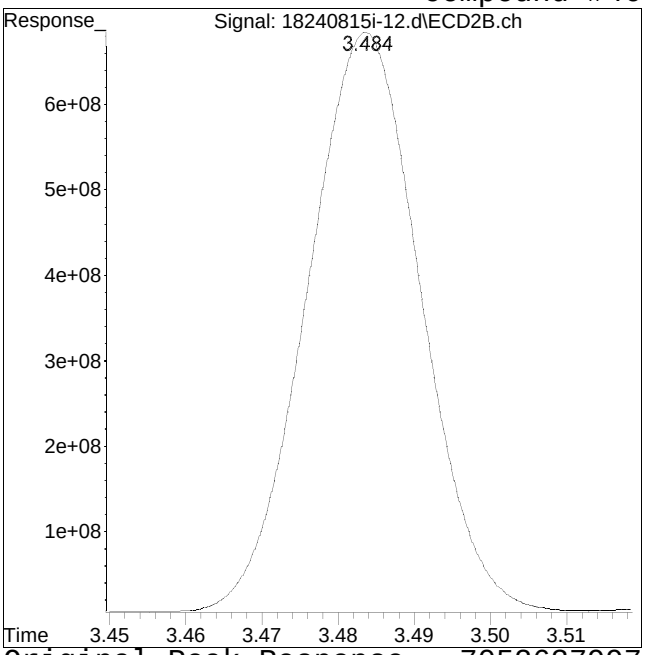


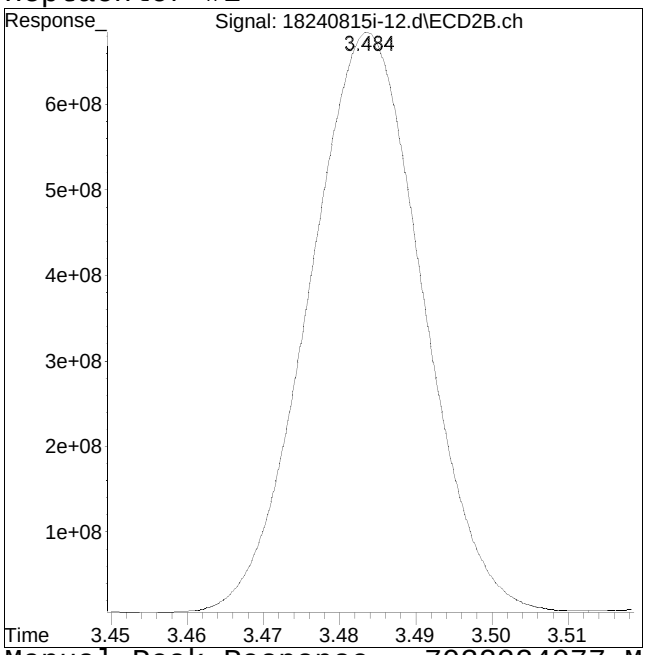
Original Peak Response = 10218302253 Manual Peak Response = 10152517852 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #46: Heptachlor #2



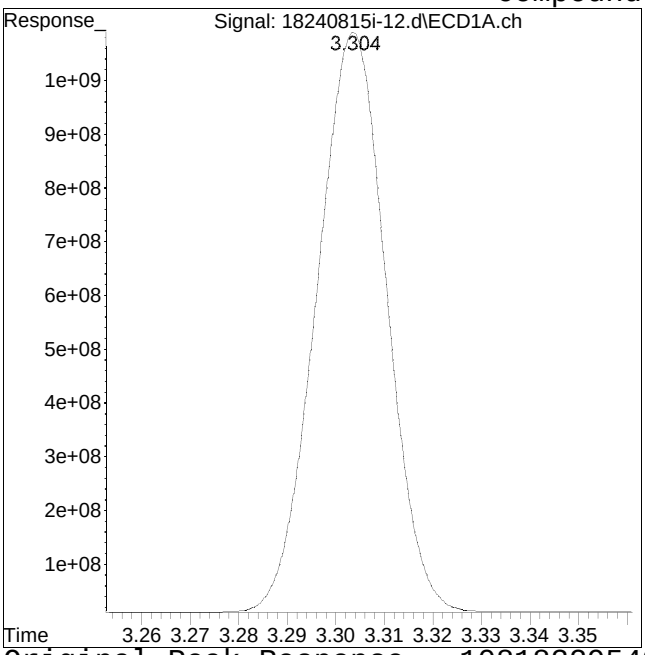


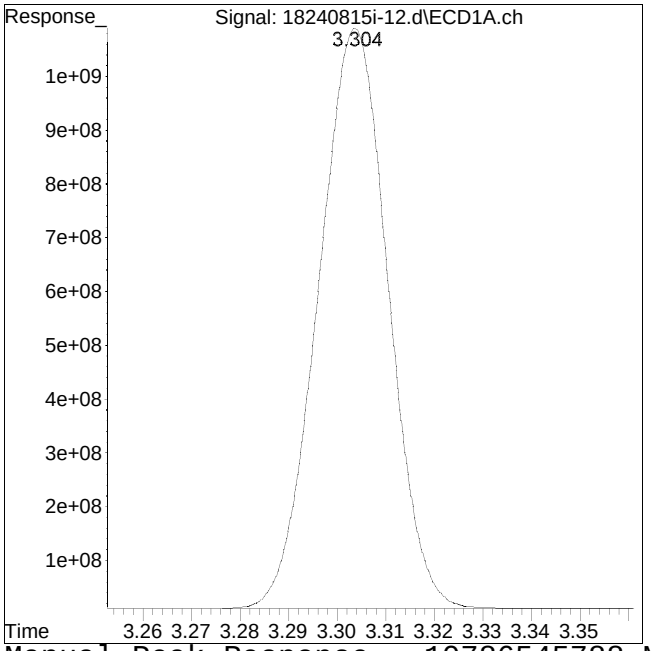
Original Peak Response = 7052637997 Manual Peak Response = 7032224077 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #9: Aldrin



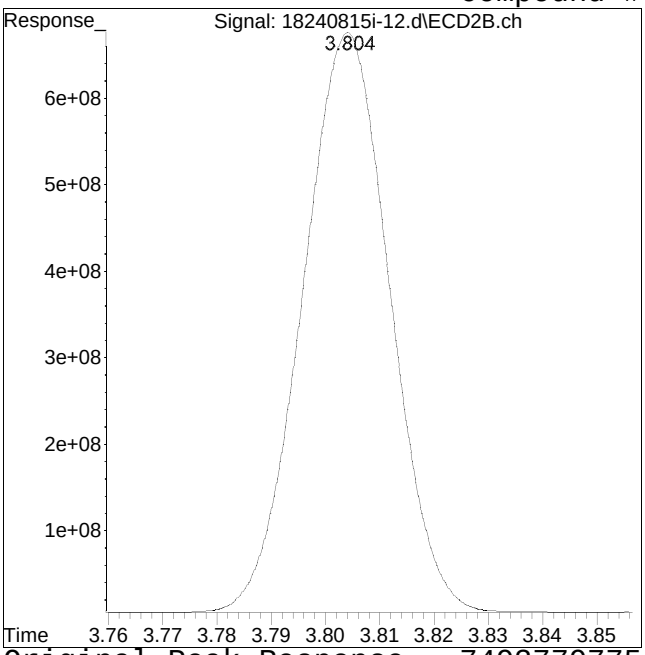


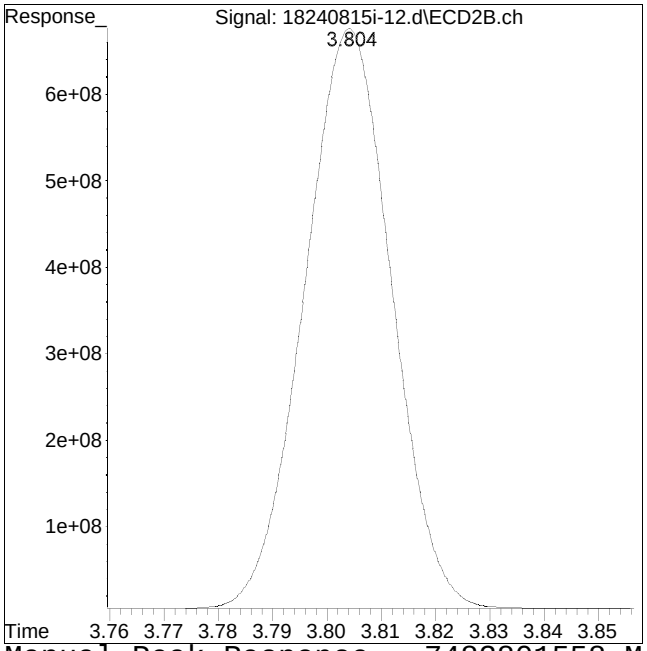
Original Peak Response = 10818329549 Manual Peak Response = 10786545788 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #47: Aldrin #2



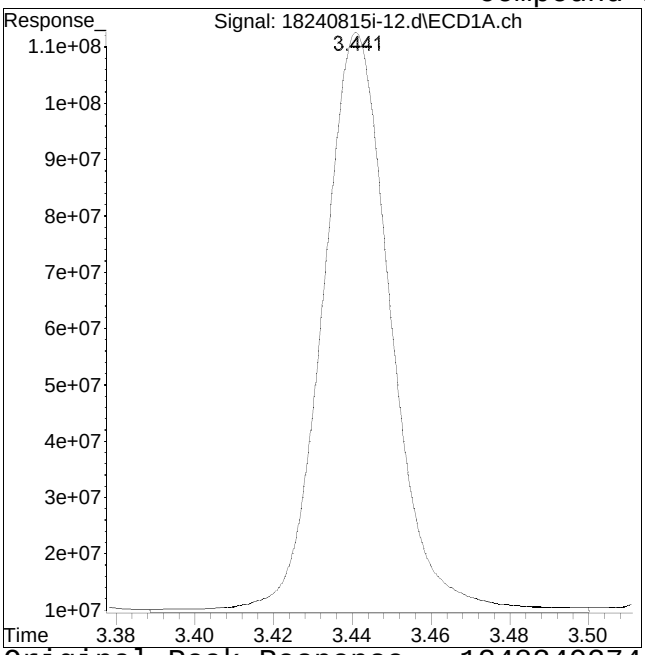


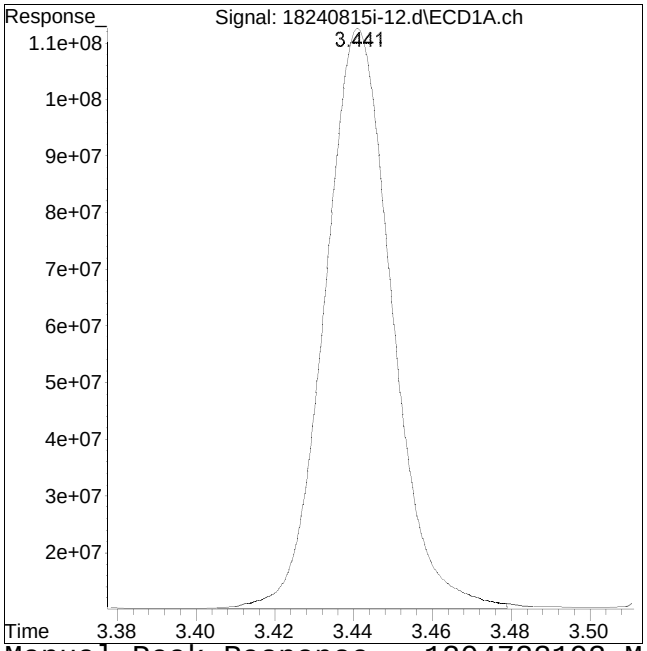
Original Peak Response = 7493779775 Manual Peak Response = 7483801558 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #10: Alachlor



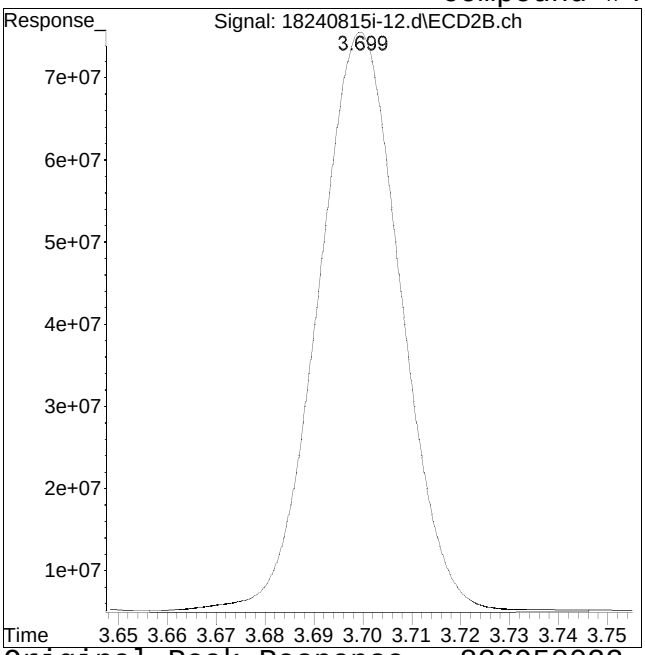


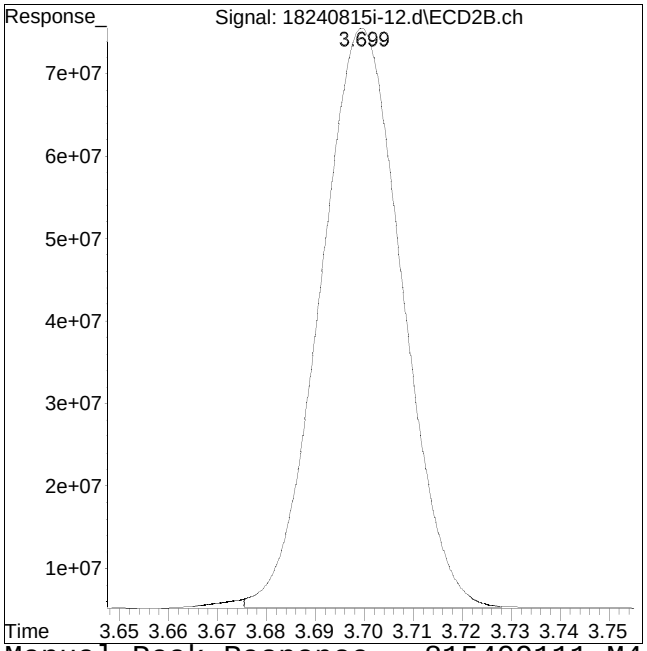
Original Peak Response = 1248249274 Manual Peak Response = 1204723193 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #48: Alachlor #2



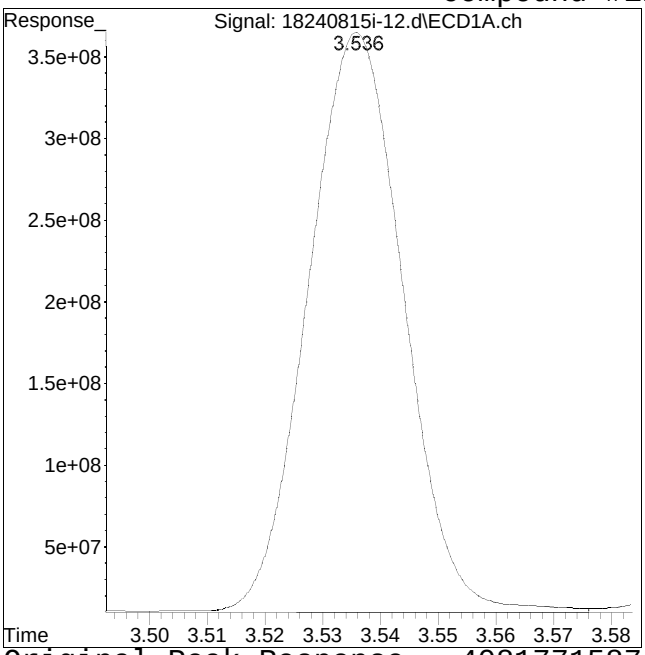


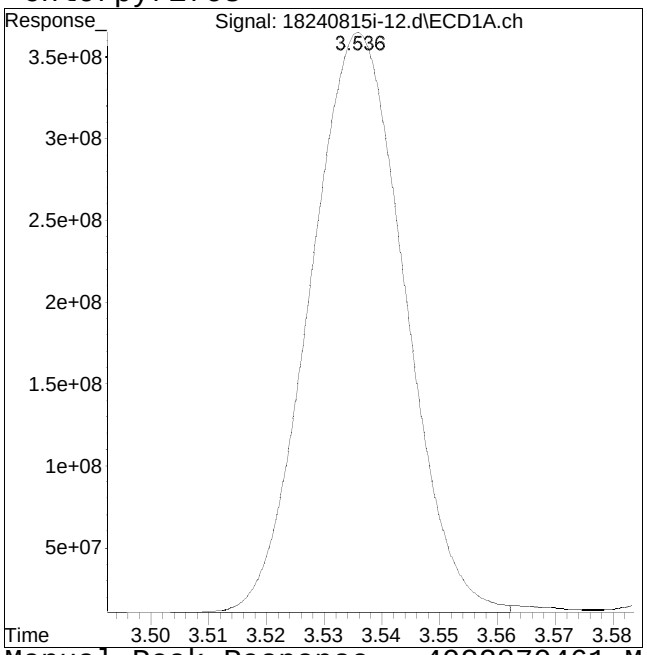
Original Peak Response = 836950022 Manual Peak Response = 815409111 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #11: Chlorpyrifos



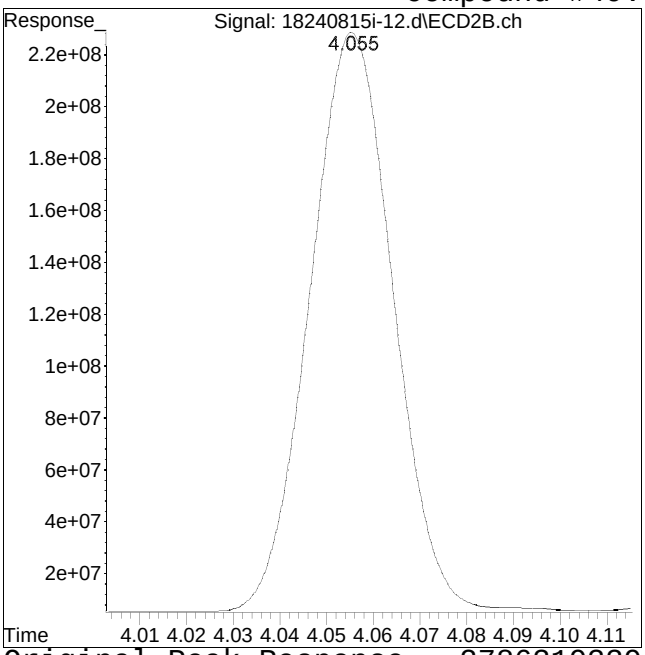


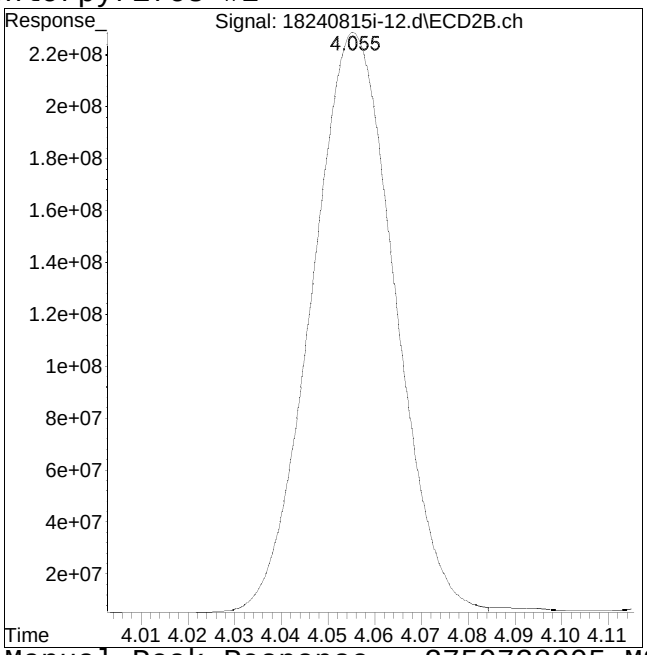
Original Peak Response = 4081771587 Manual Peak Response = 4022870461 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #49: Chlorpyrifos #2



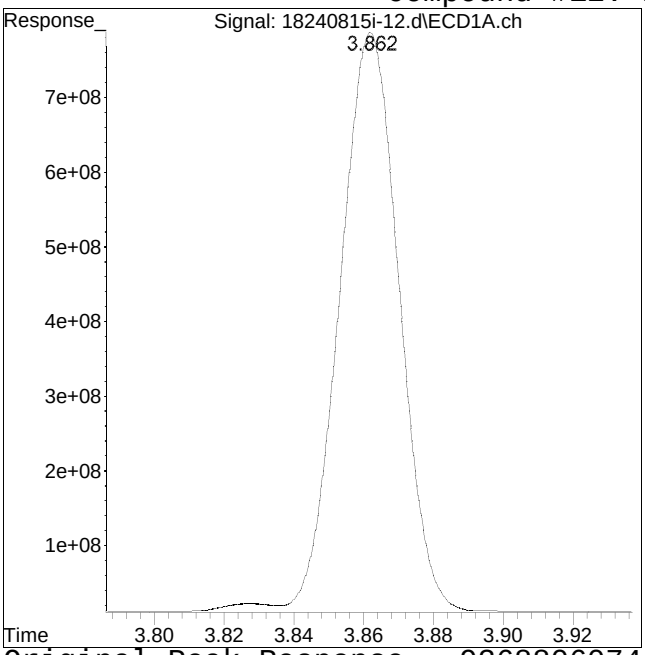


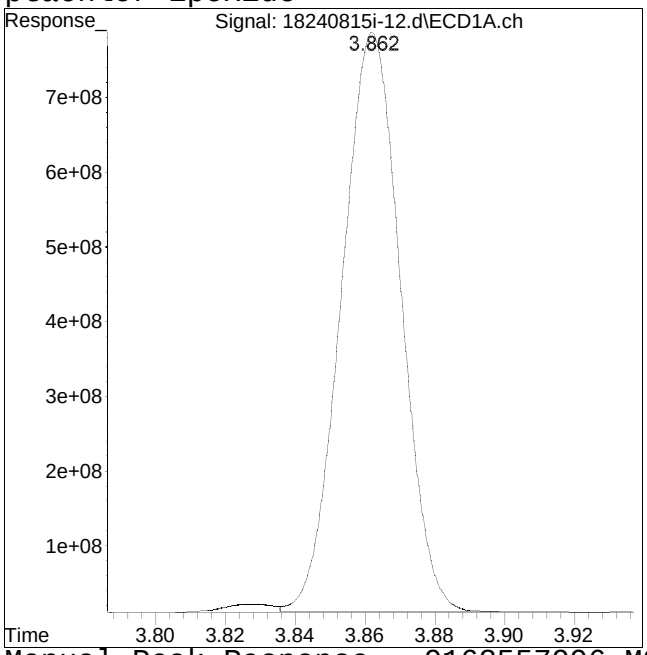
Original Peak Response = 2786319339 Manual Peak Response = 2759728905 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #12: Heptachlor Epoxide



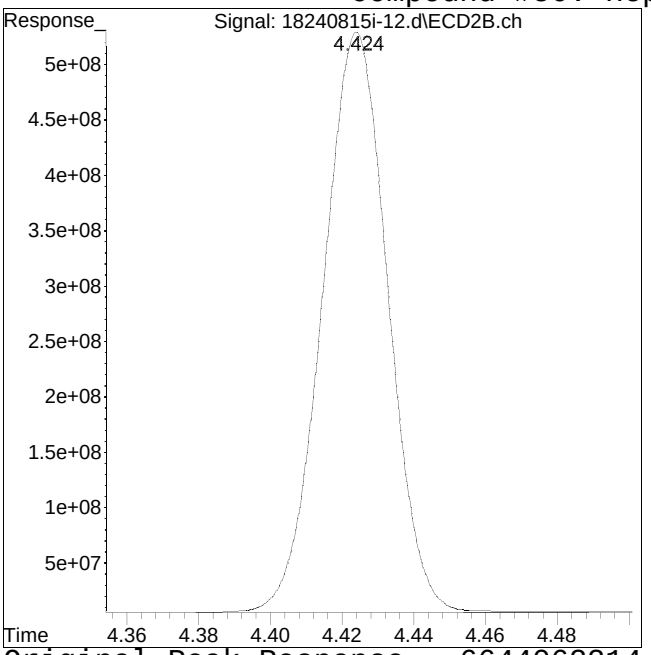


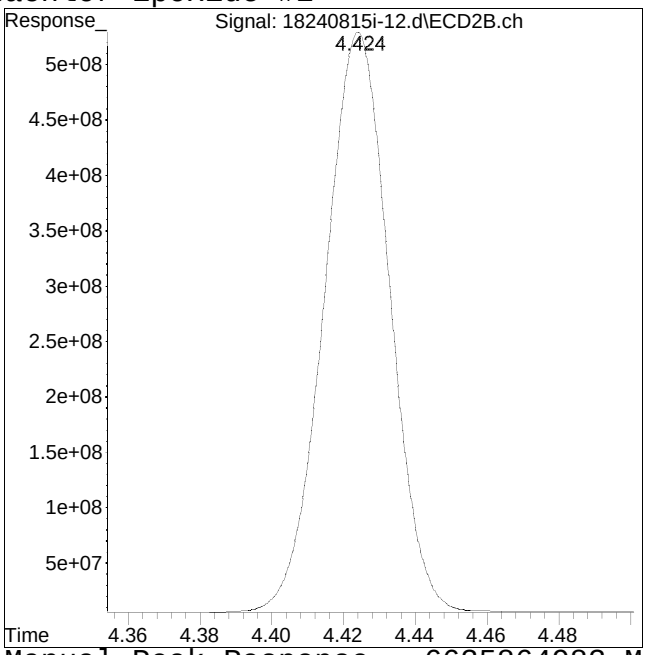
Original Peak Response = 9368806074 Manual Peak Response = 9163557996 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #50: Heptachlor Epoxide #2



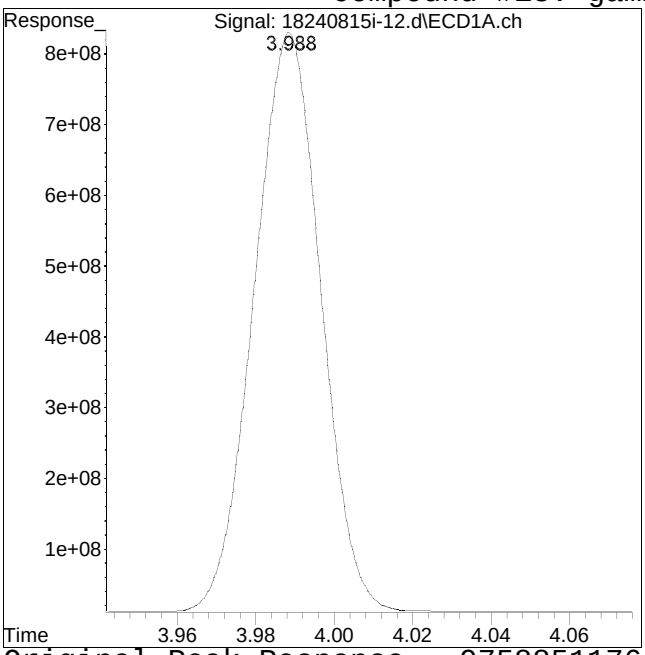


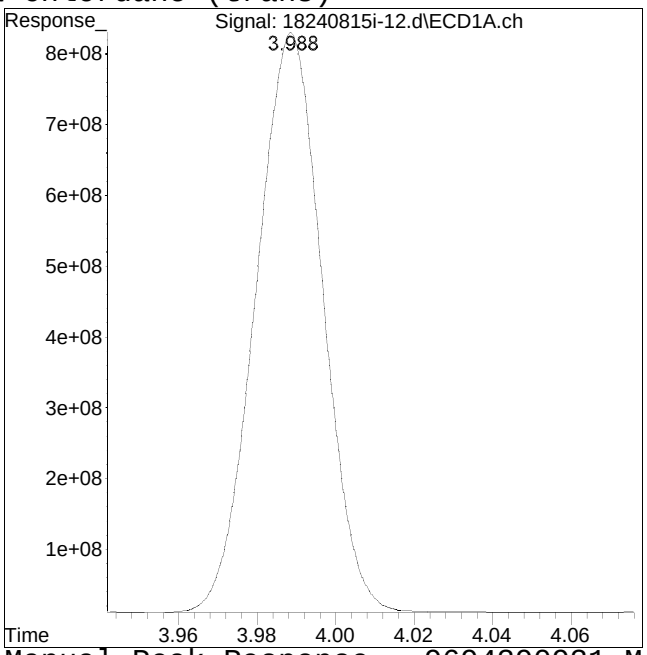
Original Peak Response = 6644062214 Manual Peak Response = 6635864983 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #13: gamma-Chlordane (trans)



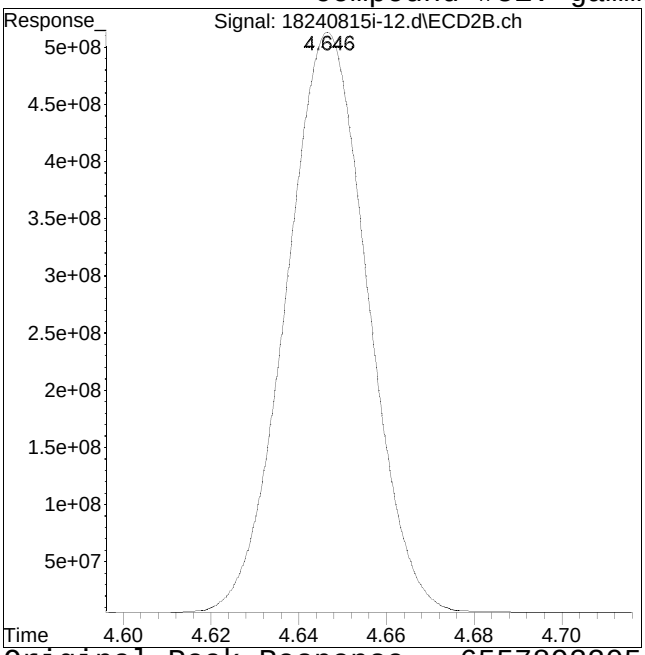


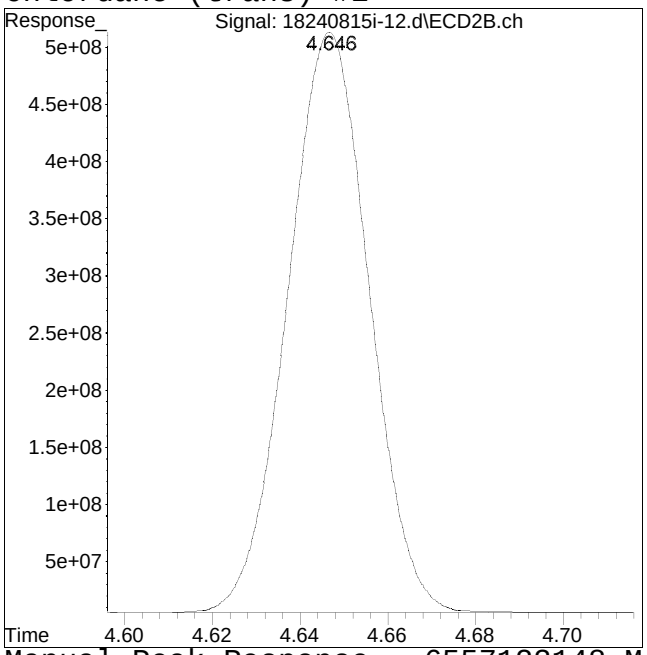
Original Peak Response = 9758851176 Manual Peak Response = 9694390931 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #51: gamma-Chlordane (trans) #2



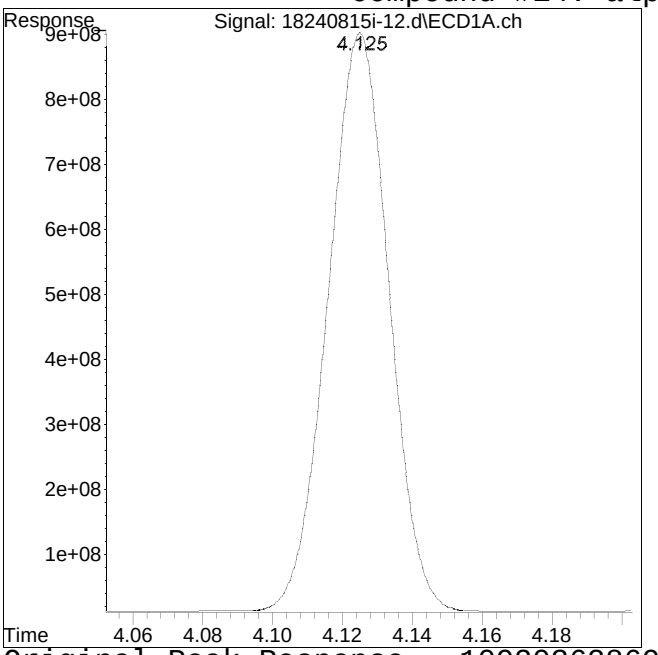


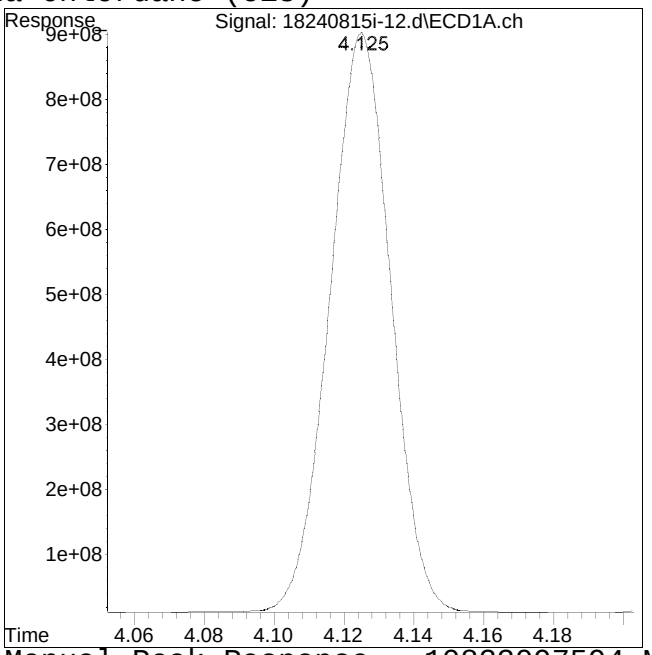
Original Peak Response = 6557893205 Manual Peak Response = 6557123148 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #14: alpha-Chlordane (cis)



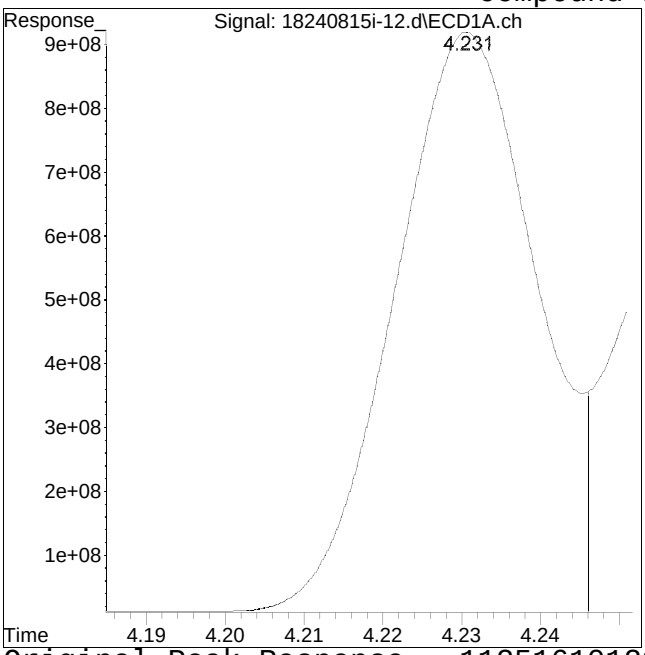


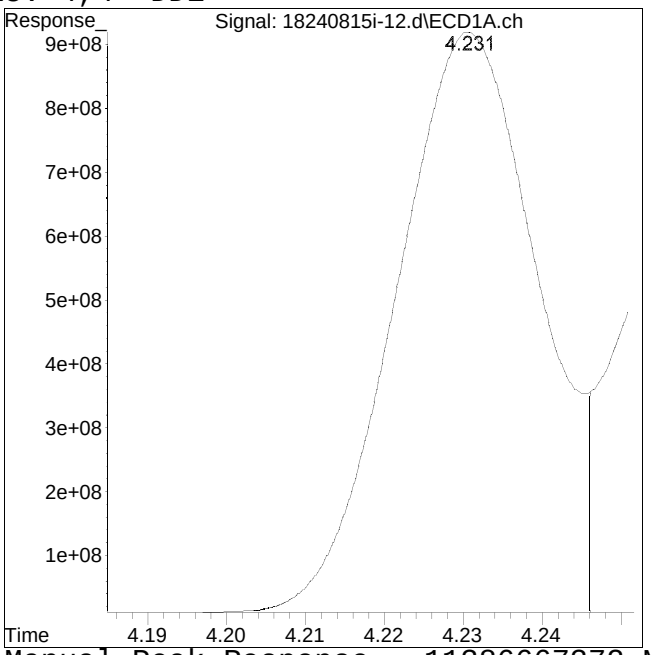
Original Peak Response = 10920362869 Manual Peak Response = 10833097594 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #15: 4,4'-DDE



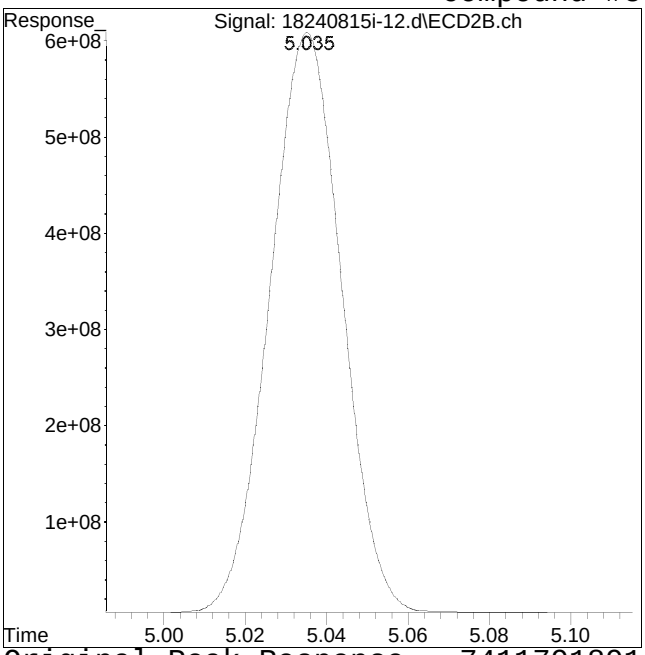


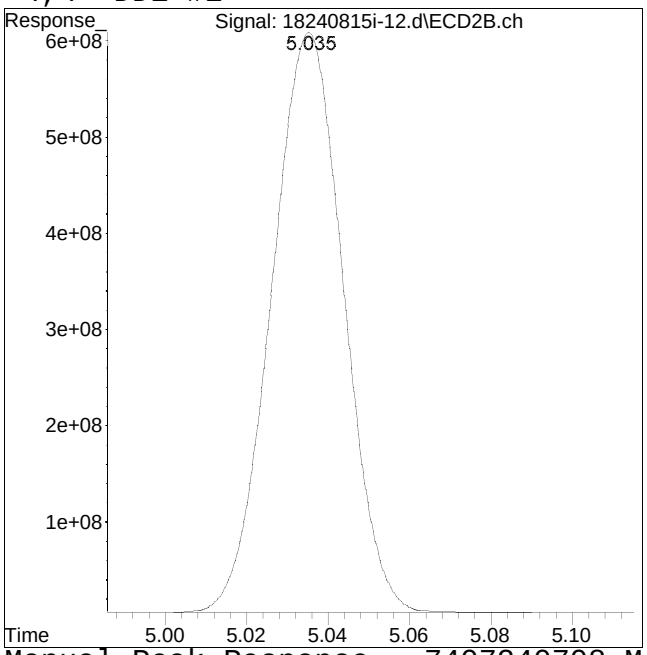
Original Peak Response = 11251610121 Manual Peak Response = 11386667372 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #53: 4,4'-DDE #2



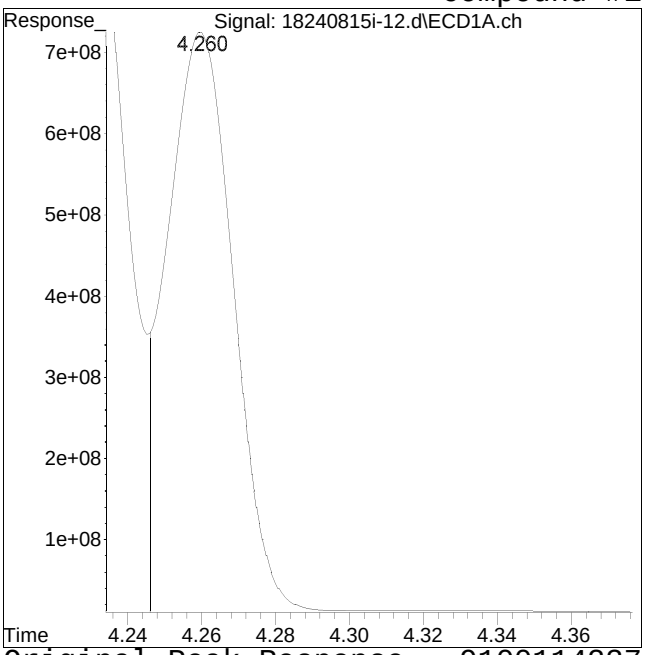


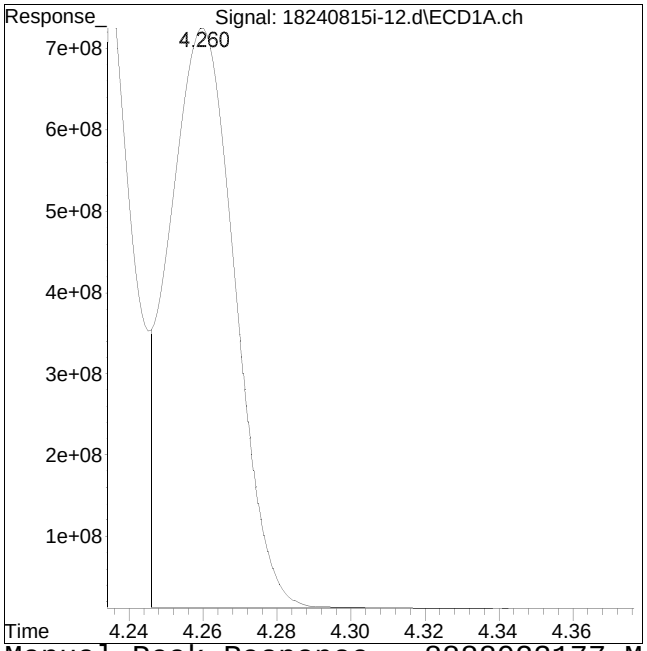
Original Peak Response = 7411791891 Manual Peak Response = 7407240708 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #16: Endosulfan I



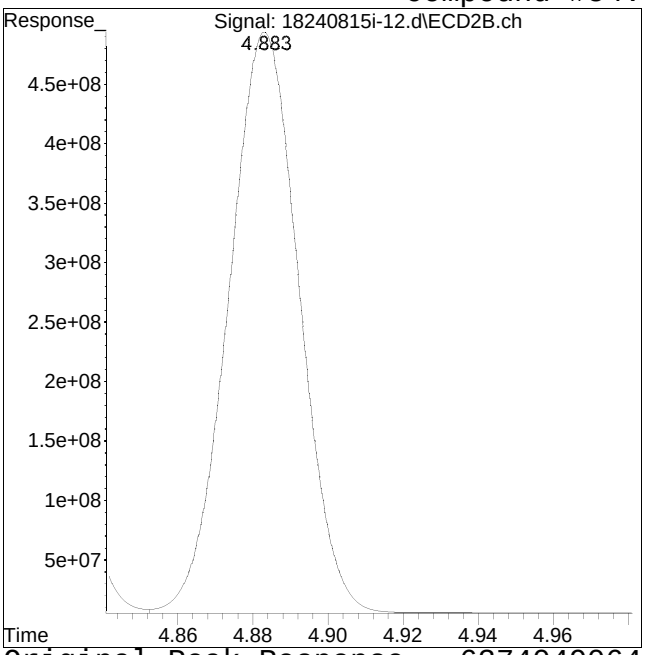


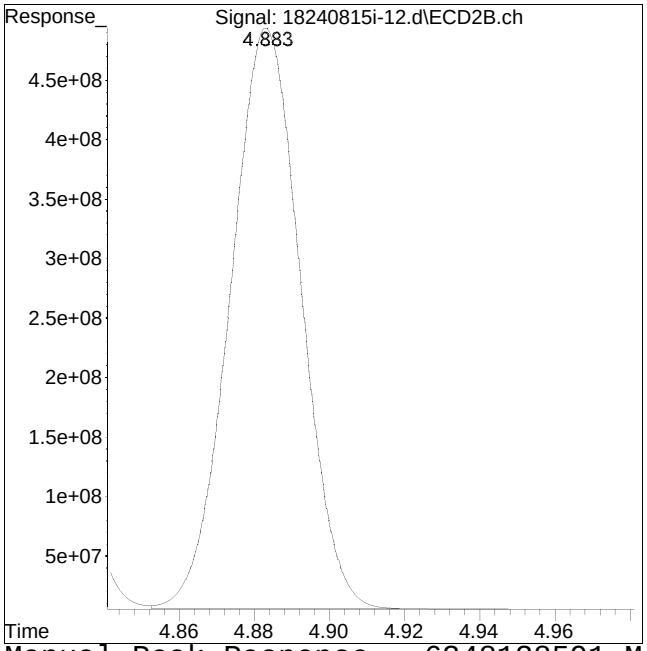
Original Peak Response = 9100114237 Manual Peak Response = 8888023177 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #54: Endosulfan I #2



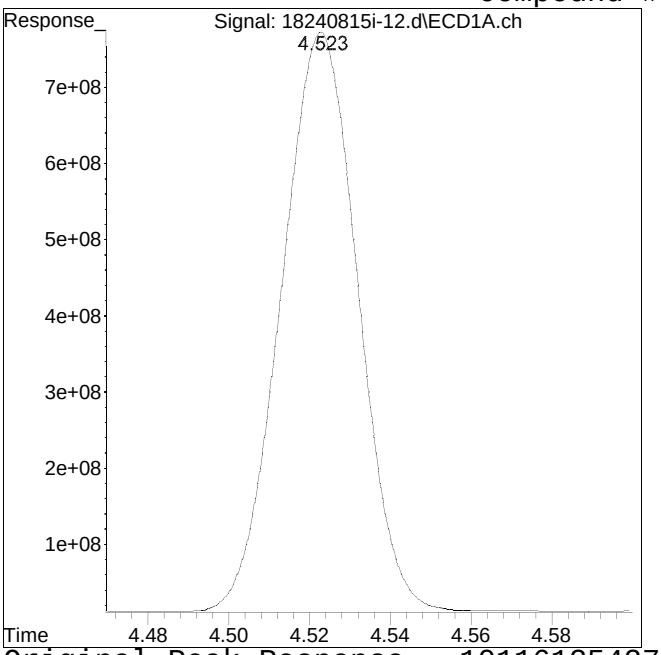


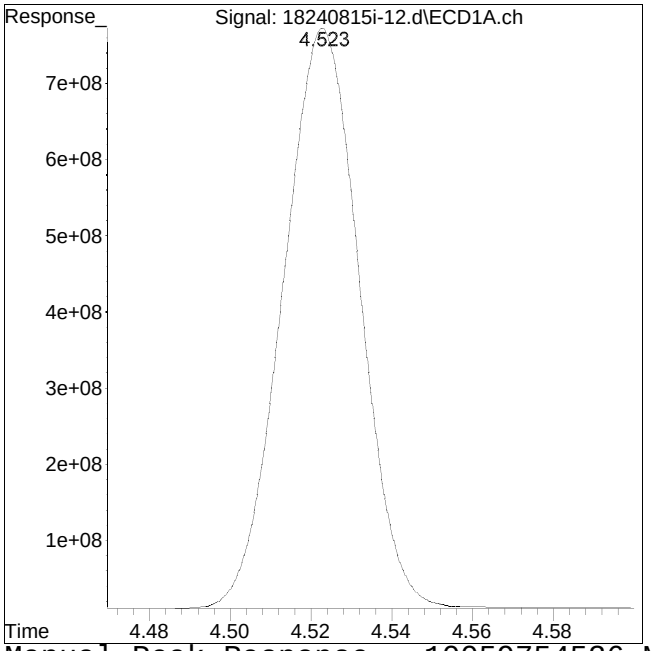
Original Peak Response = 6374049064 Manual Peak Response = 6348138591 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #17: Dieldrin



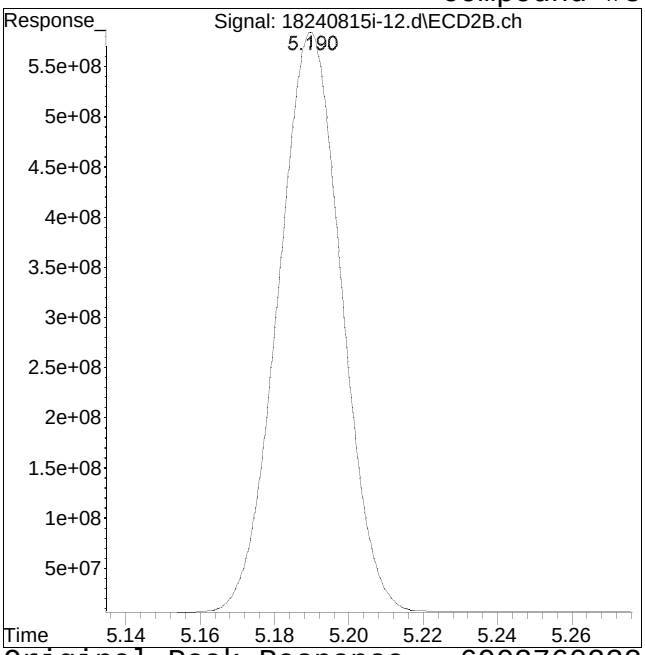


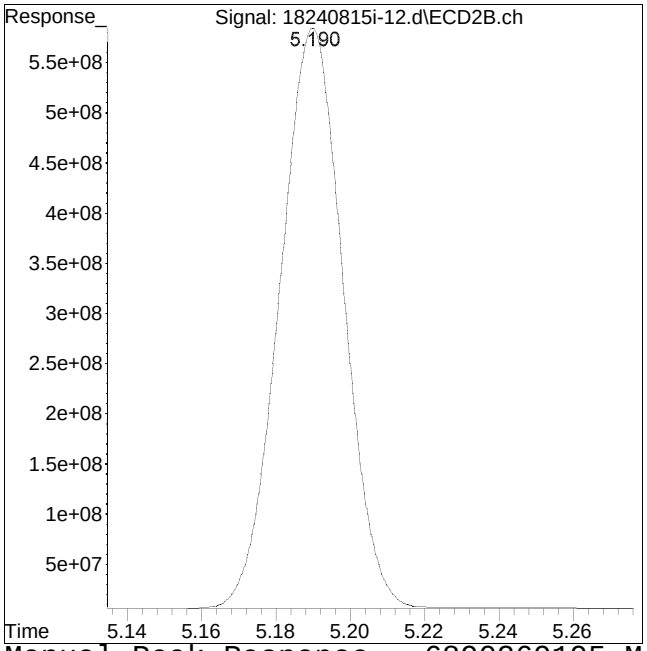
Original Peak Response = 10116125427 Manual Peak Response = 10059754536 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #55: Dieldrin #2





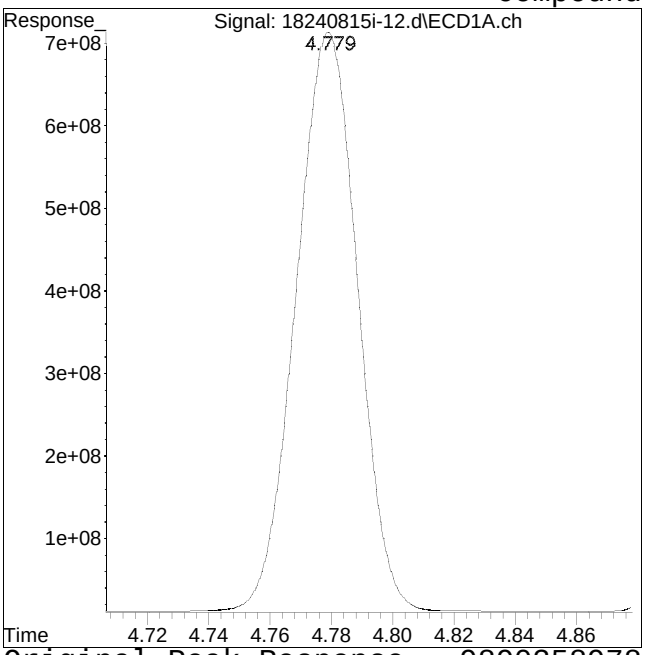
Original Peak Response = 6903760232 Manual Peak Response = 6890269195 M4
M4 = Poor automated baseline construction.

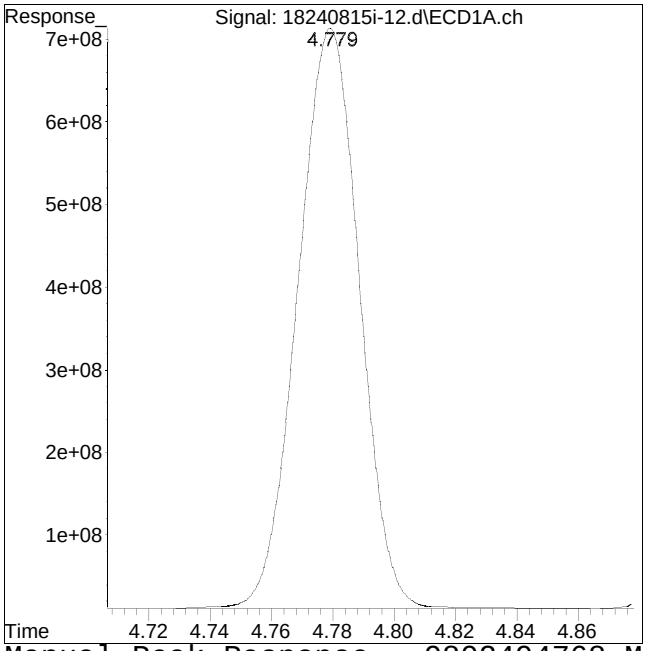
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-12.d
Date Inj'd : 8/15/2024 15:48
Sample : il11pest,42e,,pp 11678 L0.

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/16/2024 6:57 am

Compound #18: Endrin



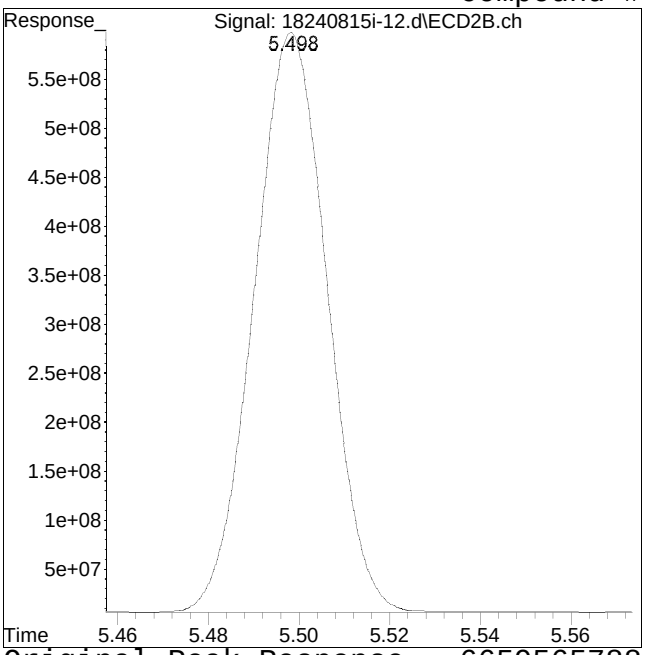


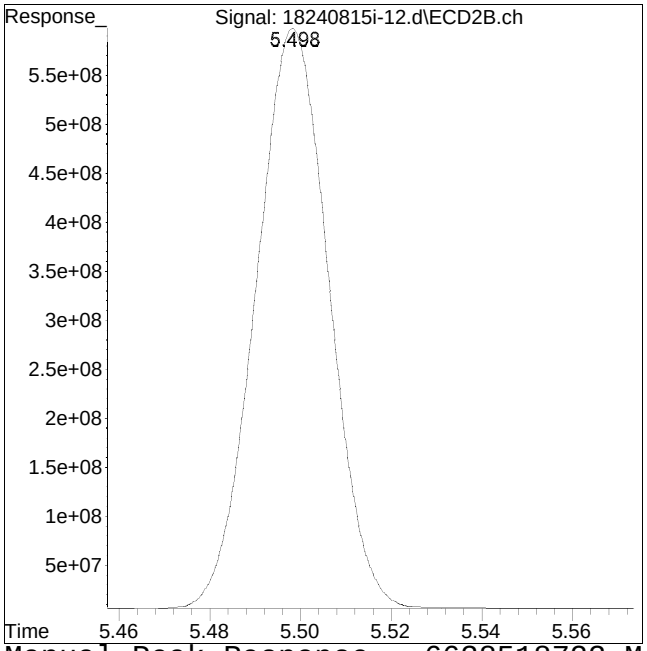
Original Peak Response = 9890358978 Manual Peak Response = 9802494768 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #56: Endrin #2



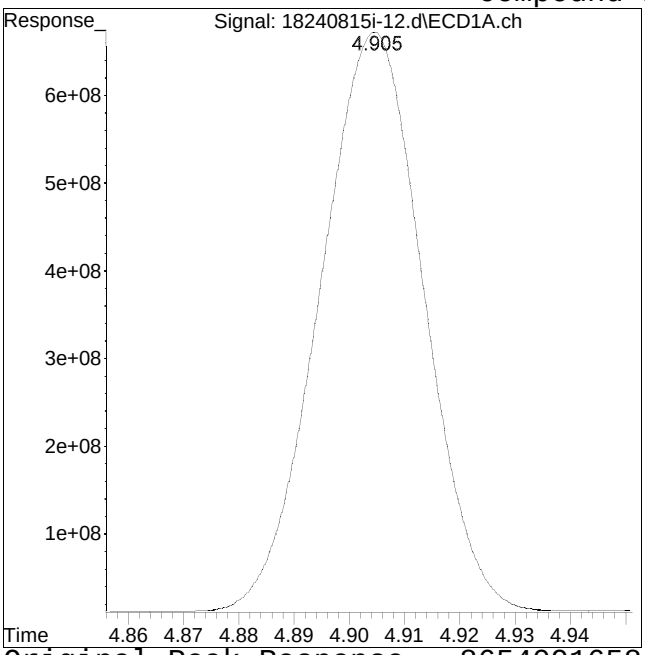


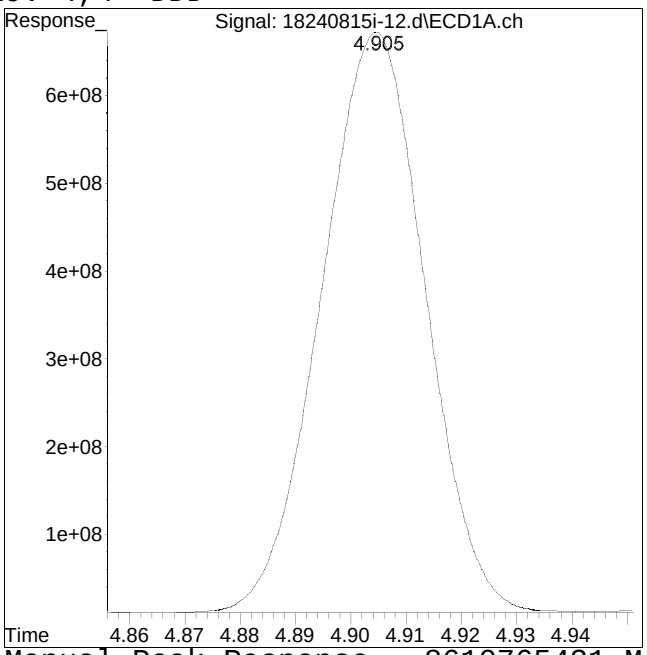
Original Peak Response = 6659565788 Manual Peak Response = 6638518723 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #19: 4,4'-DDD



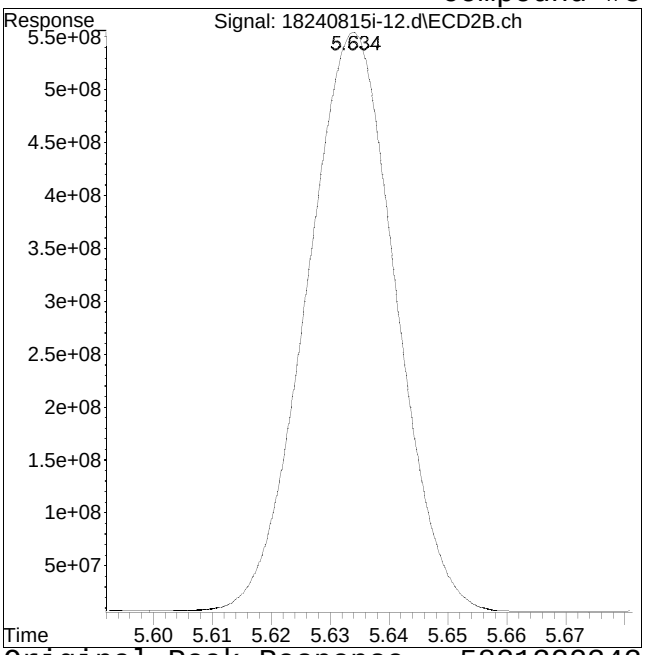


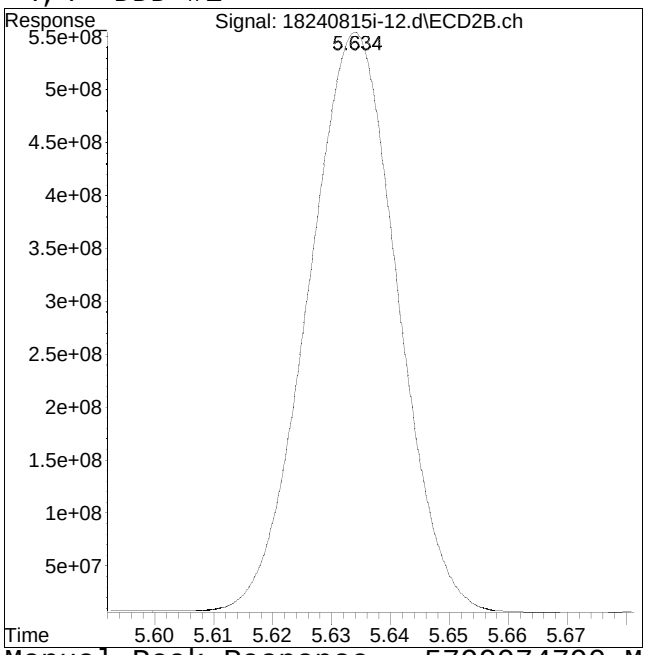
Original Peak Response = 8654091658 Manual Peak Response = 8610765431 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #57: 4,4'-DDD #2



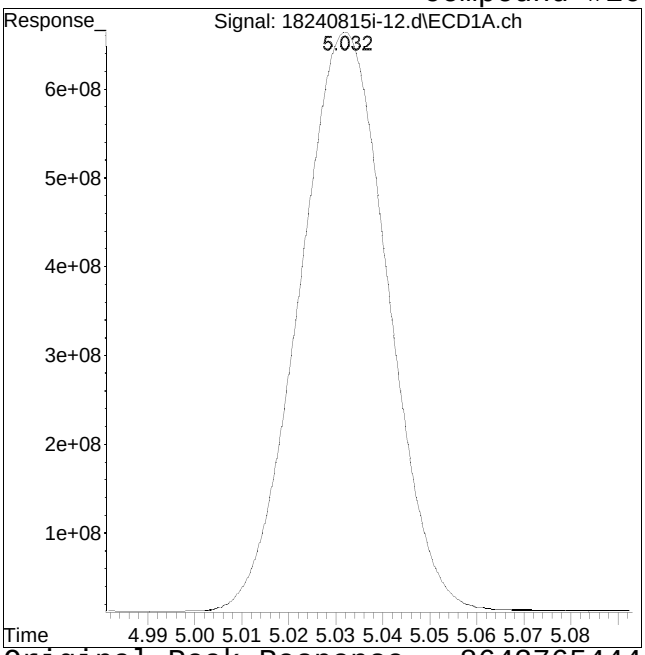


Original Peak Response = 5821322343 Manual Peak Response = 5799074790 M4
M4 = Poor automated baseline construction.

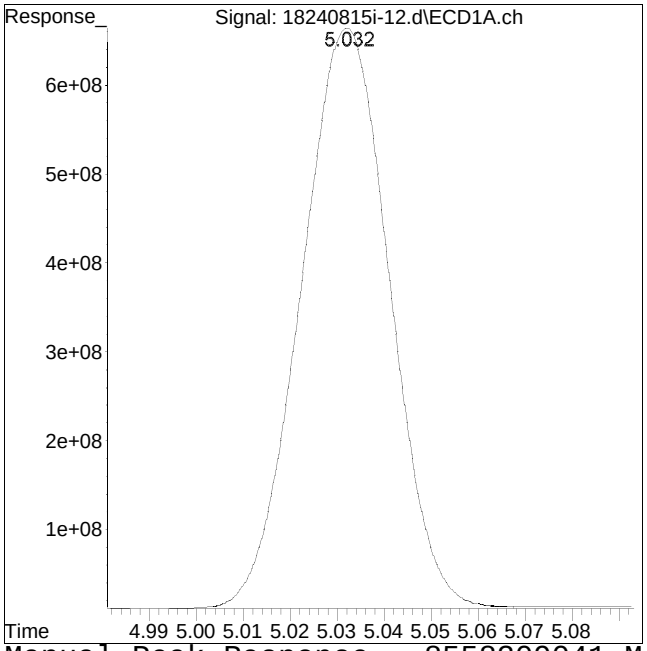
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #20: Endosulfan II



Original Peak Response = 8643765444

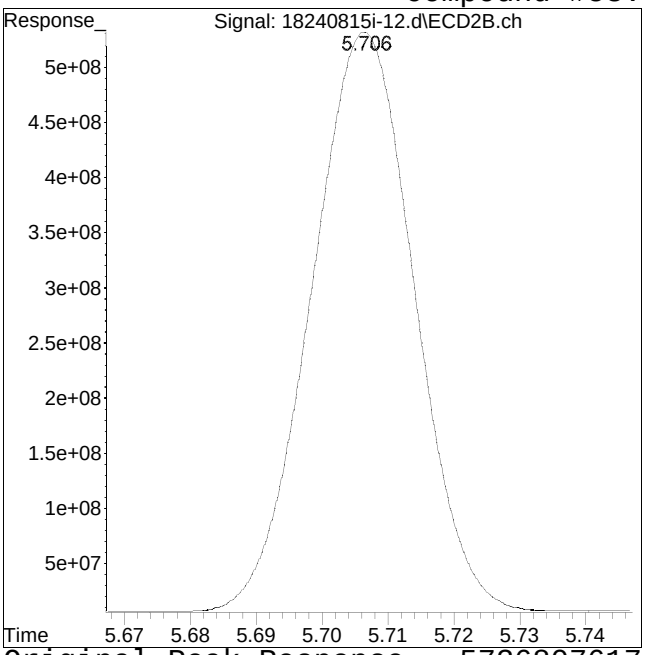


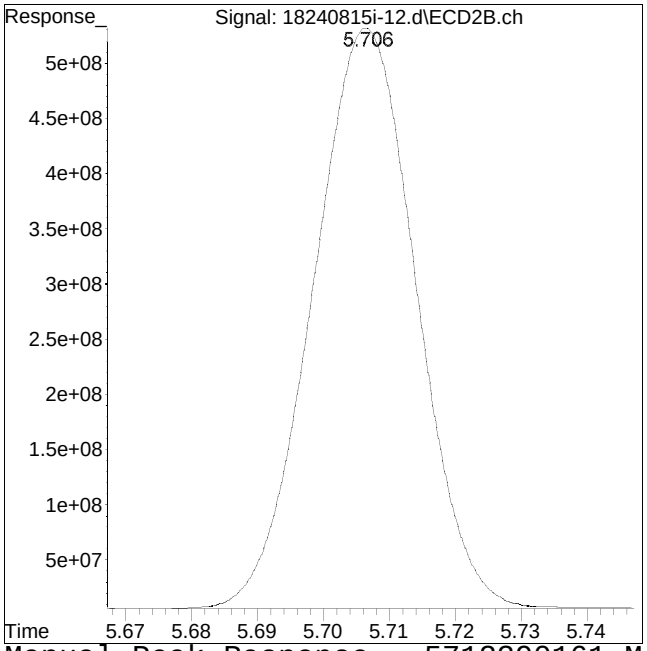
Manual Peak Response = 8558309041 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #58: Endosulfan II #2



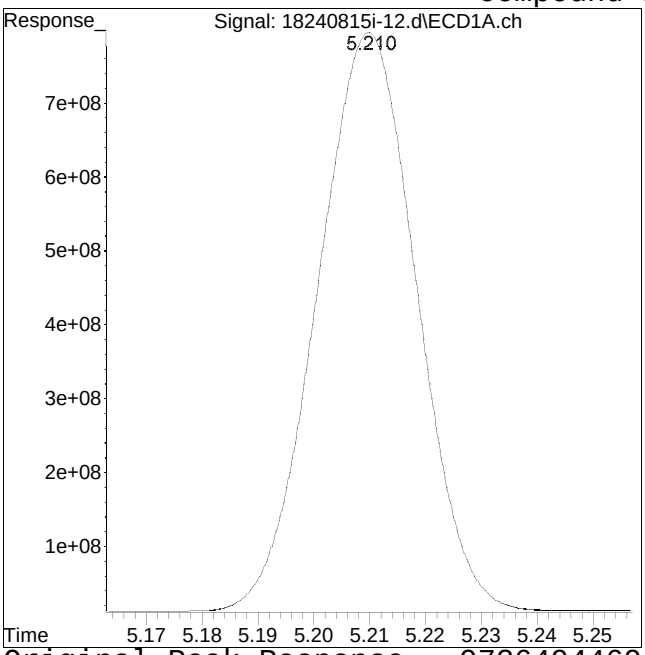


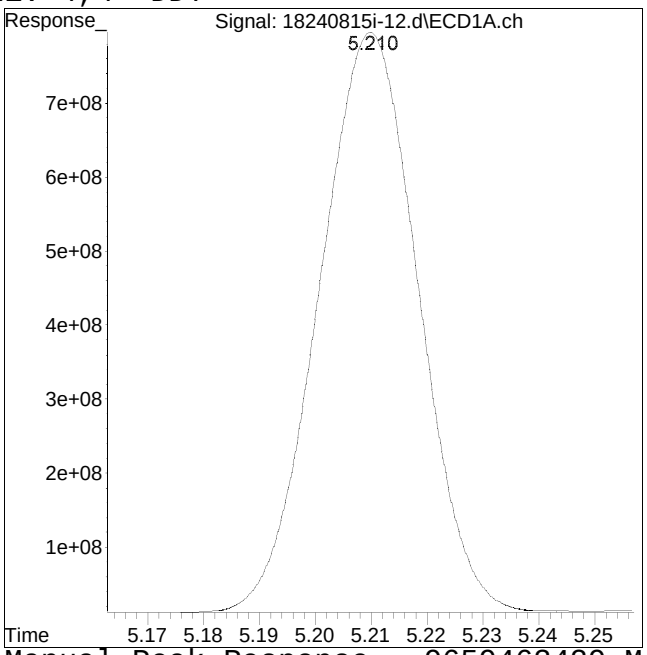
Original Peak Response = 5736807617 Manual Peak Response = 5712390161 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #21: 4,4'-DDT



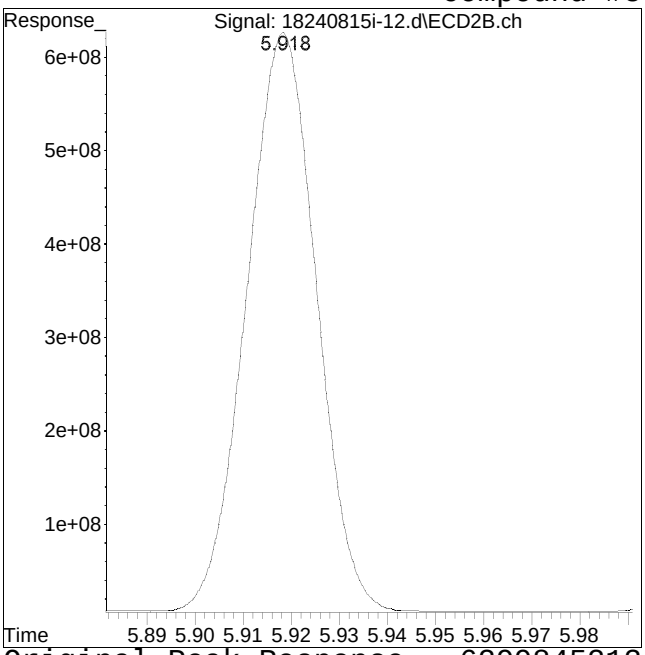


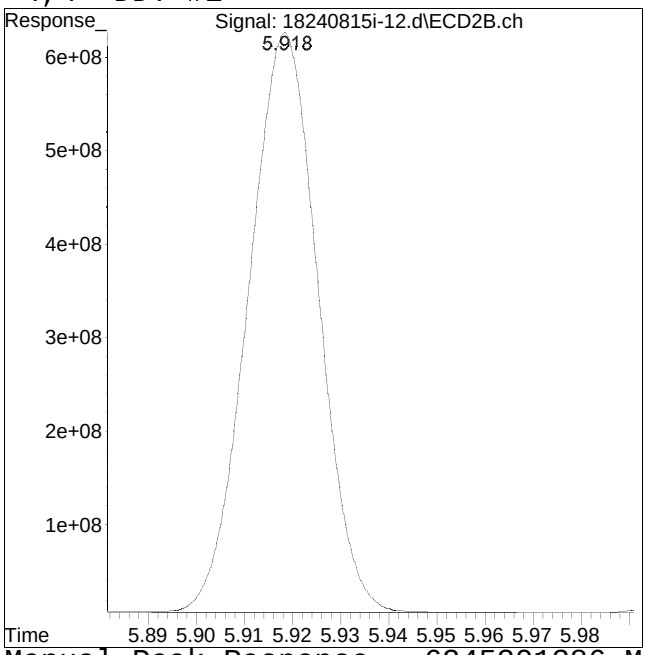
Original Peak Response = 9736494469 Manual Peak Response = 9659463429 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #59: 4,4'-DDT #2



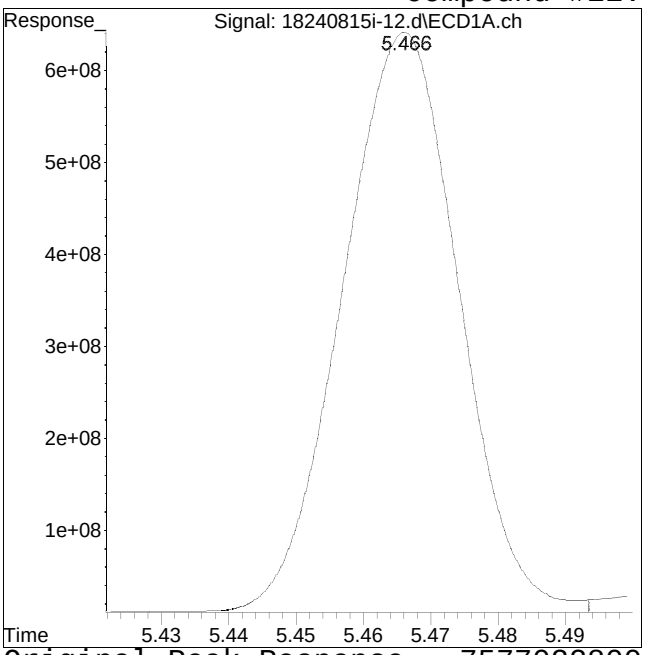


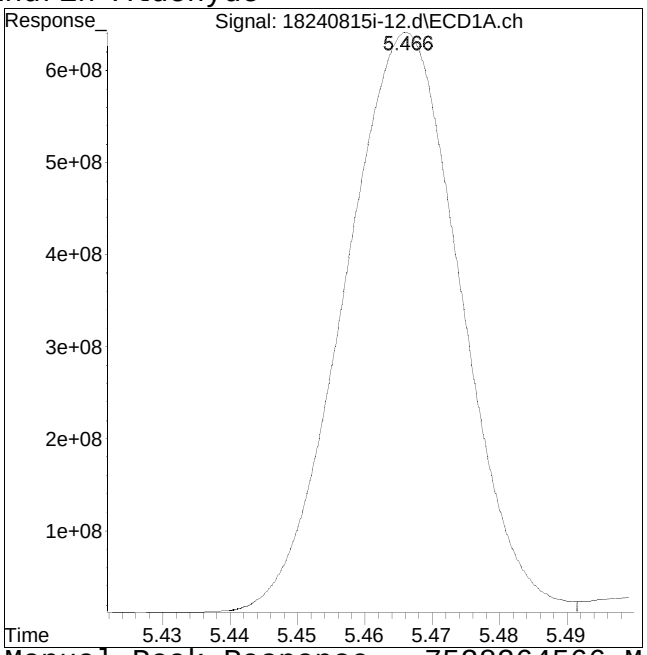
Original Peak Response = 6299845213 Manual Peak Response = 6245301386 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #22: Endrin Aldehyde



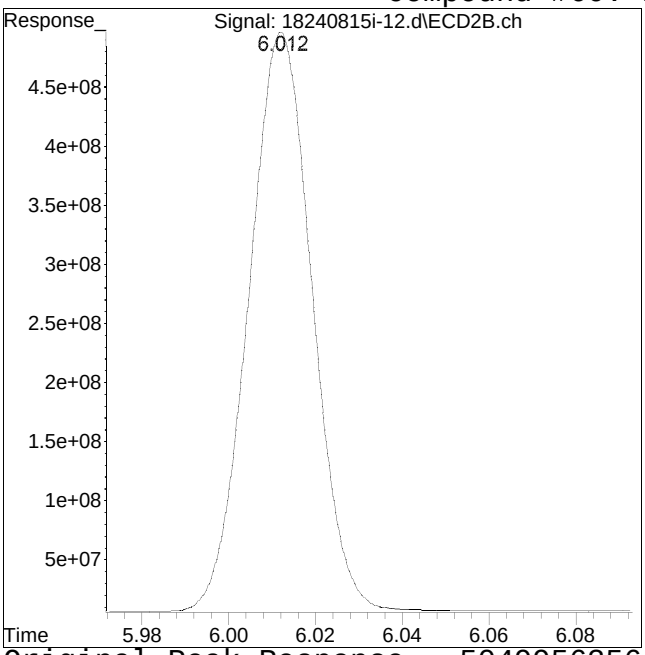


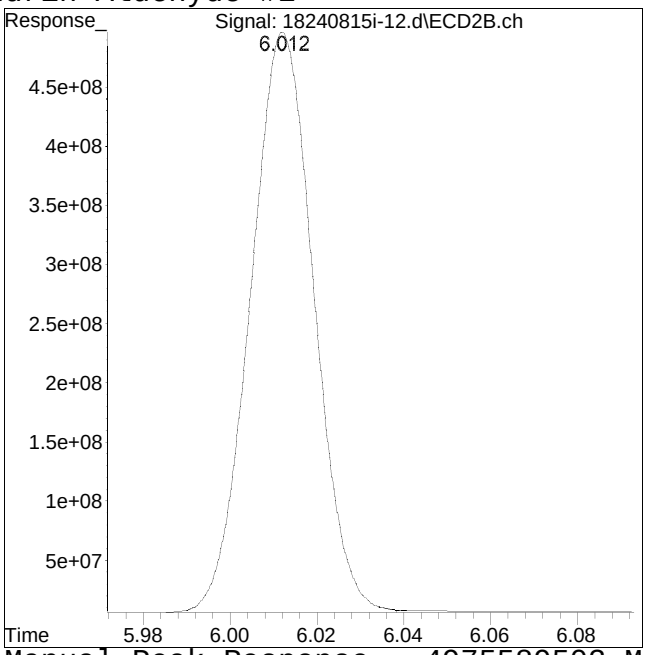
Original Peak Response = 7577022800 Manual Peak Response = 7528264566 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #60: Endrin Aldehyde #2



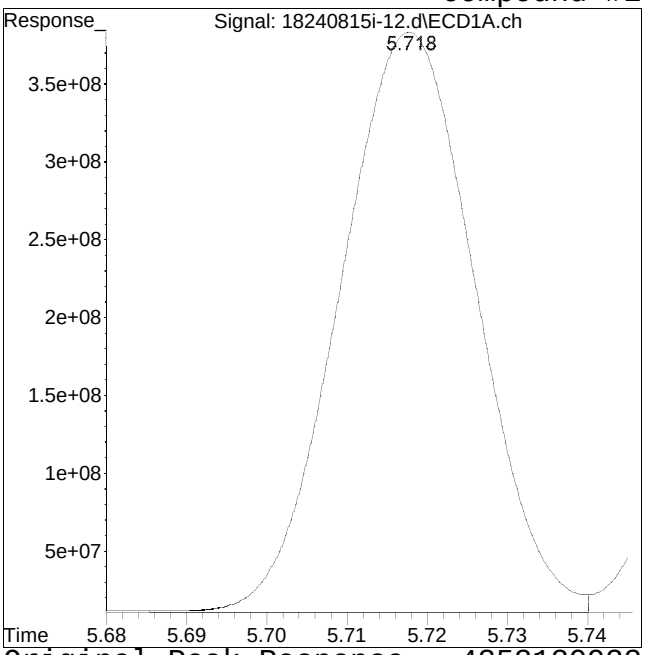


Original Peak Response = 5049956356 Manual Peak Response = 4975589503 M4
M4 = Poor automated baseline construction.

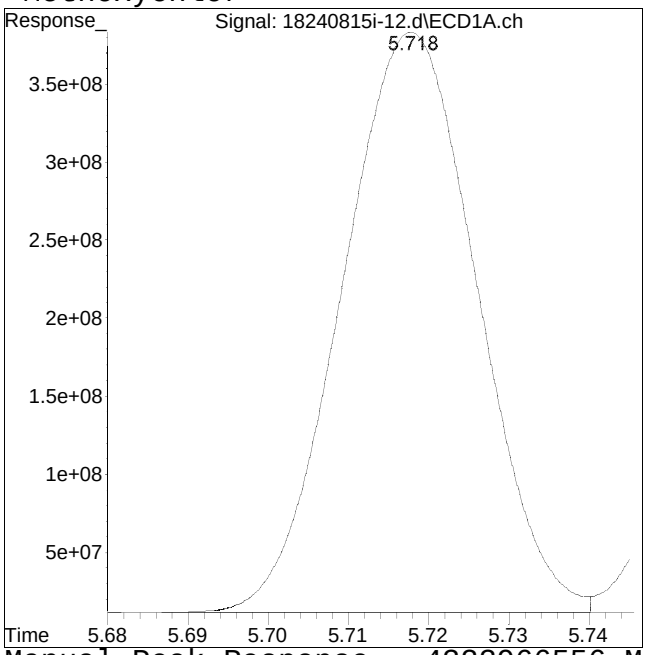
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #23: Methoxychlor



Original Peak Response = 4353129933

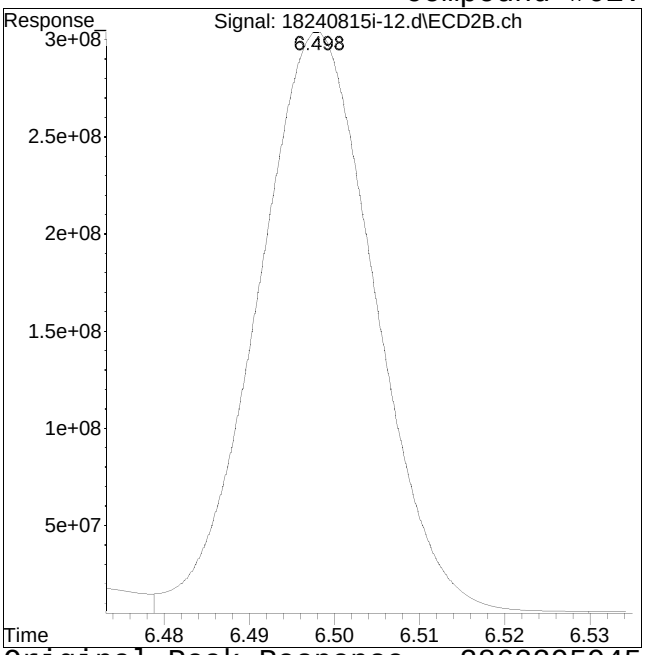


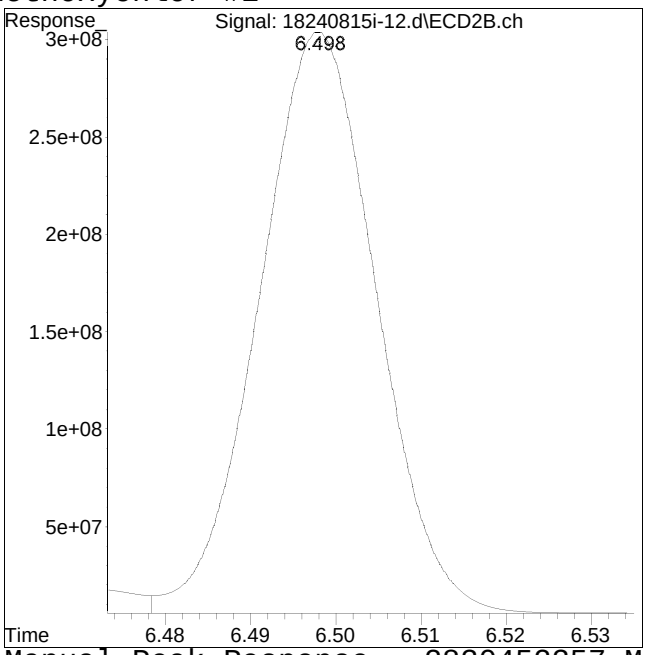
Manual Peak Response = 4323966556 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #61: Methoxychlor #2



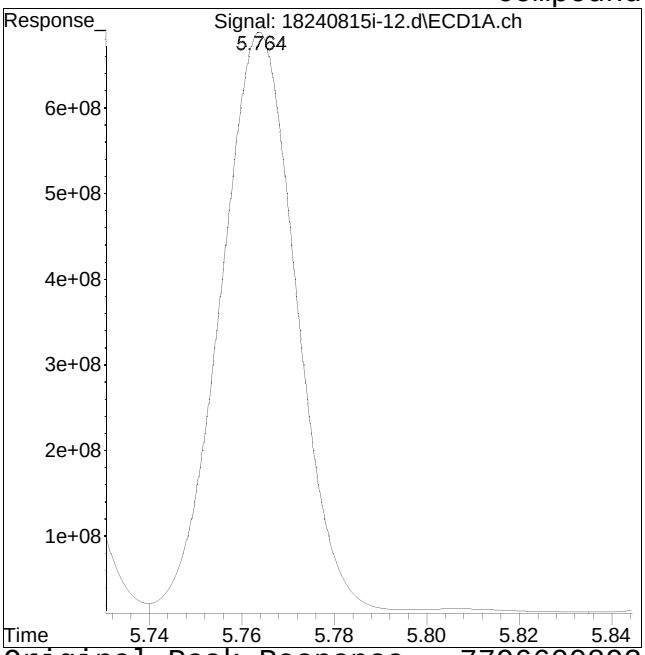


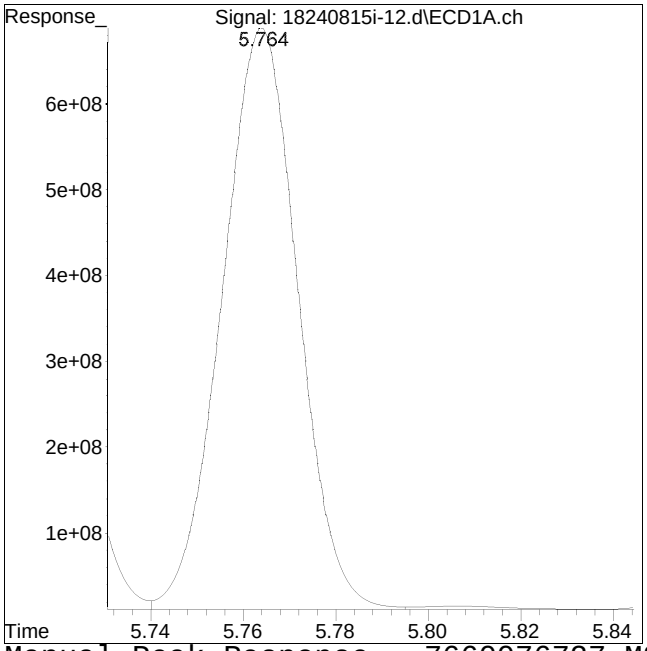
Original Peak Response = 2862295945 Manual Peak Response = 2830452357 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #24: Mirex



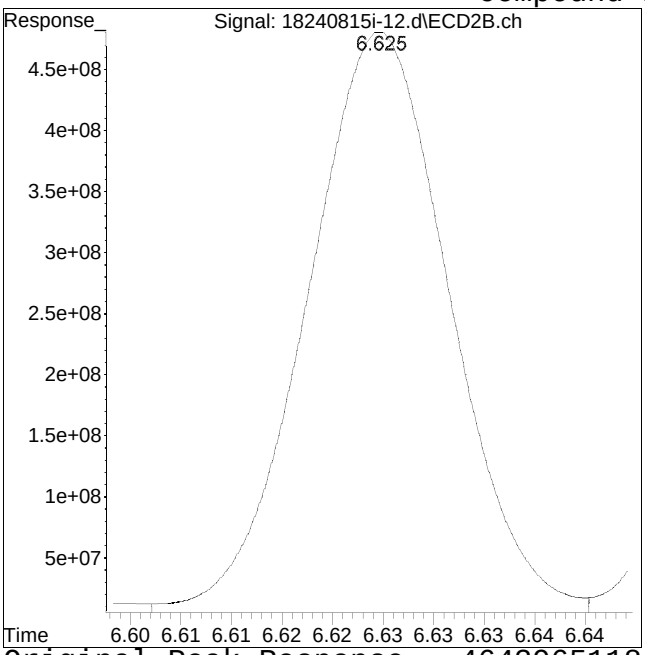


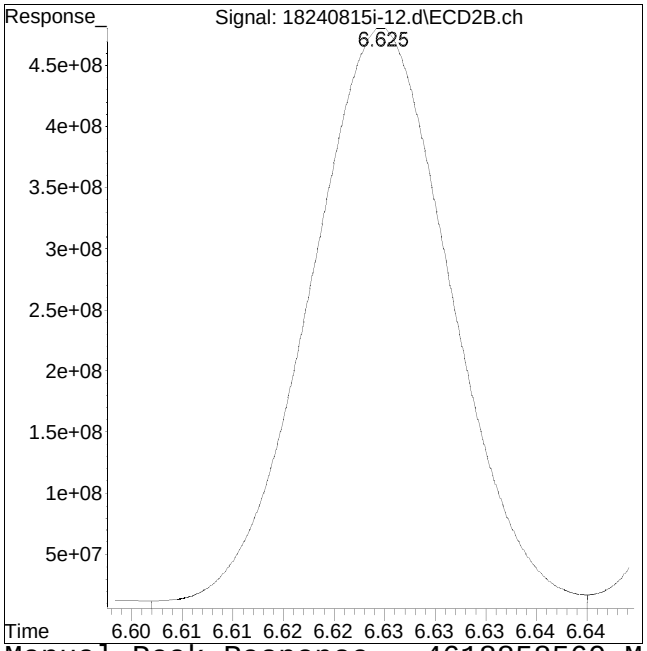
Original Peak Response = 7796609893 Manual Peak Response = 7660076727 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #62: Mirex #2



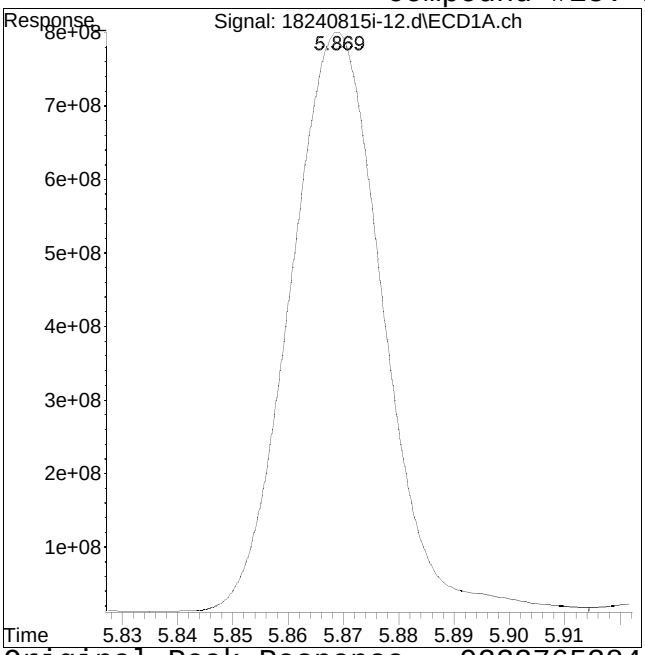


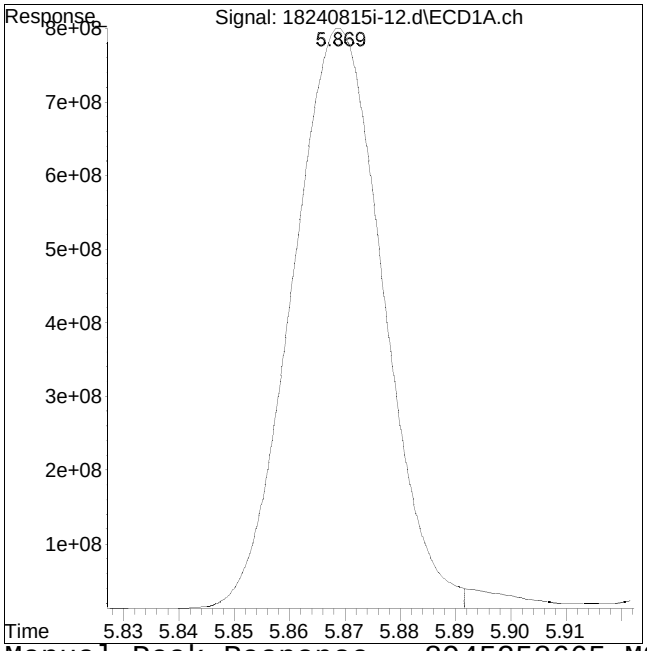
Original Peak Response = 4643965118 Manual Peak Response = 4618858560 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #25: Endosulfan Sulfate



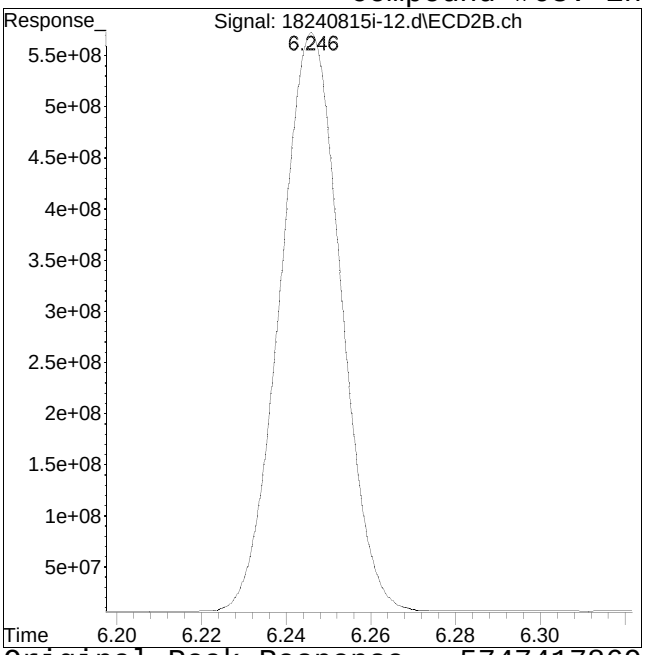


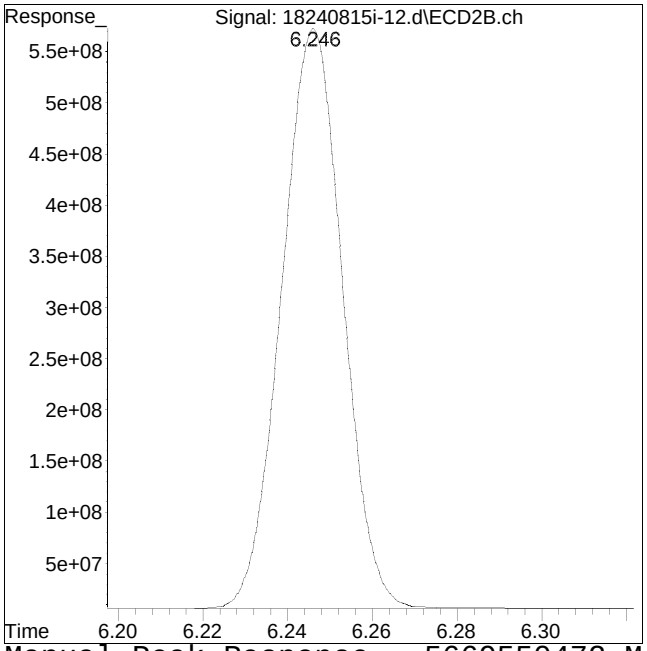
Original Peak Response = 9233765384 Manual Peak Response = 8945258665 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #63: Endosulfan Sulfate #2



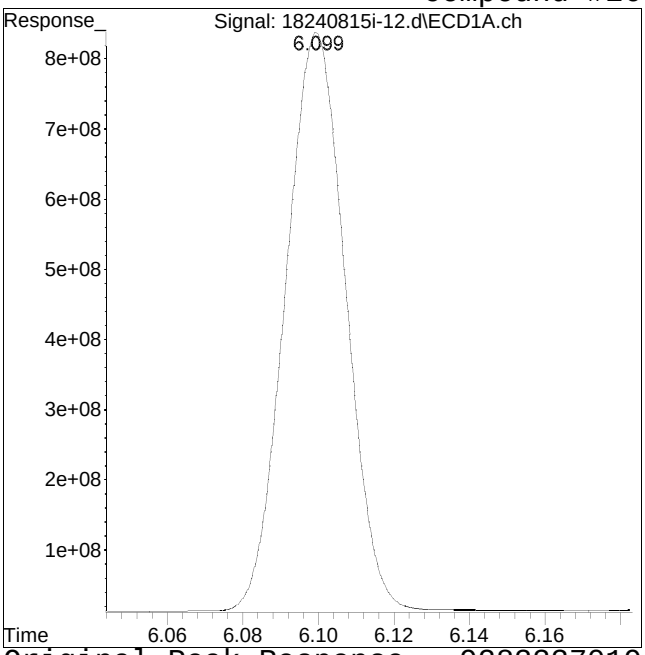


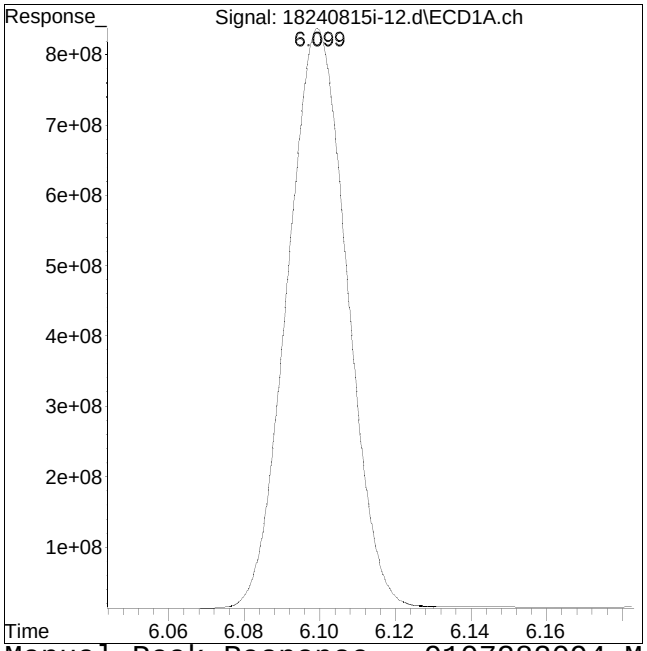
Original Peak Response = 5747417869 Manual Peak Response = 5669550472 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #26: Endrin Ketone



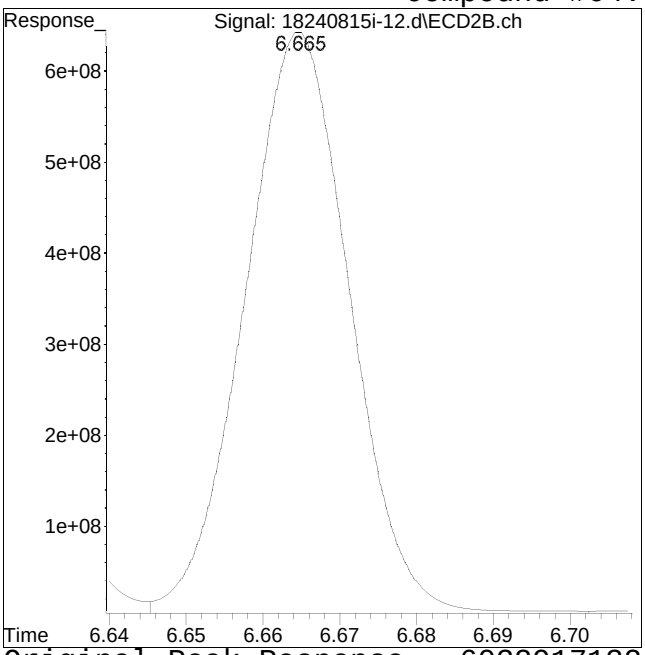


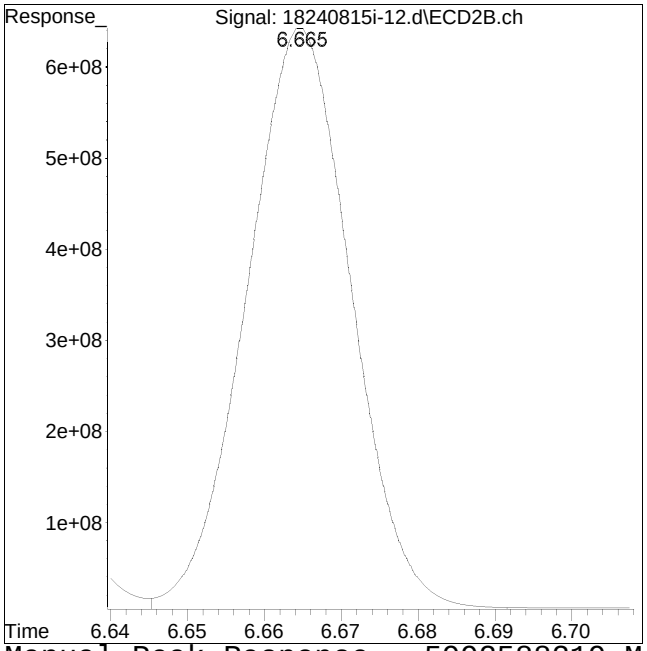
Original Peak Response = 9283337019 Manual Peak Response = 9107282094 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #64: Endrin Ketone #2



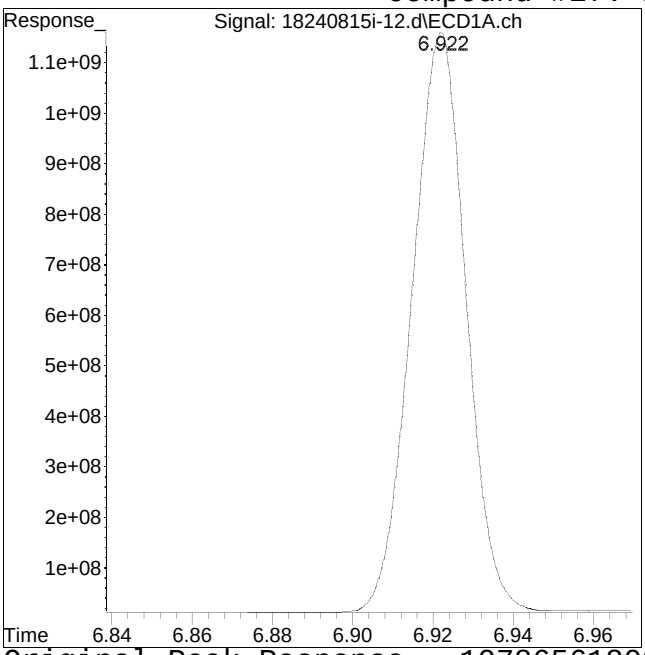


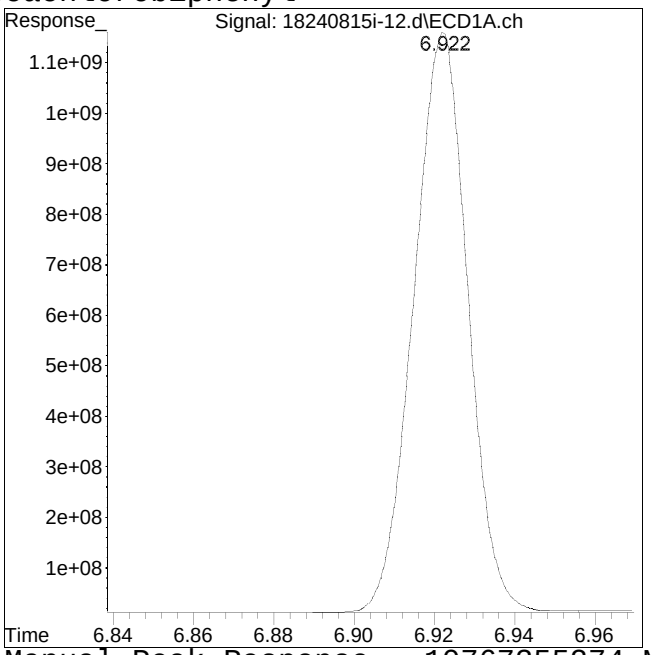
Original Peak Response = 6032917132 Manual Peak Response = 5992588219 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #27: Decachlorobiphenyl



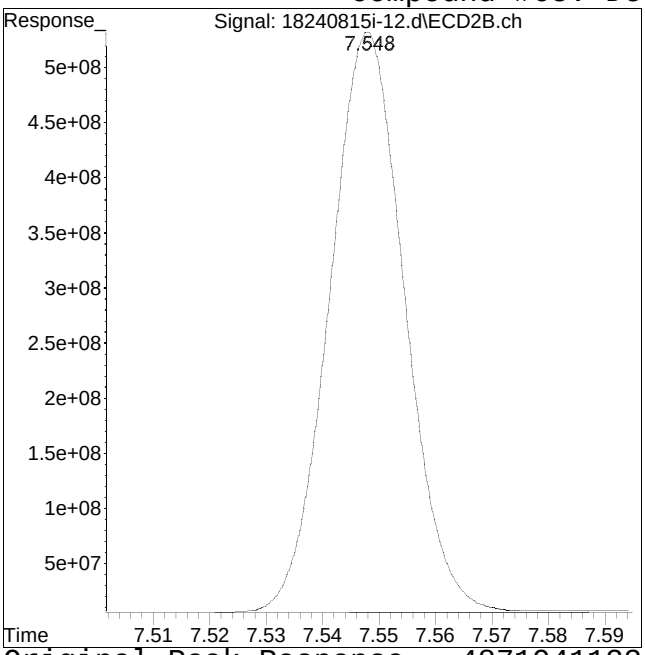


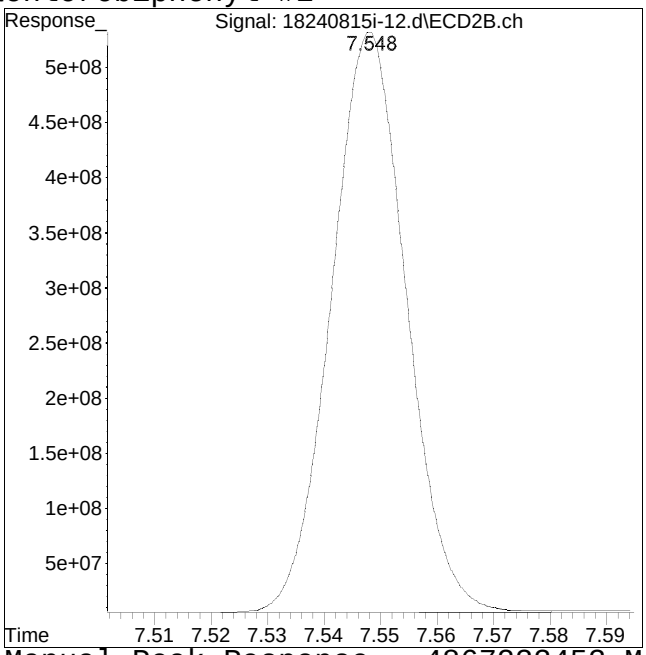
Original Peak Response = 10786561803 Manual Peak Response = 10767355274 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-12.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:48 Instrument : Pest 18
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/16/2024 6:57 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 4871941123 Manual Peak Response = 4867233453 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Aug 2024 15:59
Operator : PEST18:peg
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:40:26 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	104	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.220	1.166	4.4	99	0.00
3		Hexachlorobenzene		1.431	1.345	6.0	99	0.00
4		alpha-BHC		1.531	1.506	1.6	97	0.00
5		gamma-BHC (lindane)		1.404	1.321	5.9	95	0.00
6		beta-BHC		0.638	0.593	7.1	98	0.00
7		delta-BHC		1.404	1.314	6.4	93	0.00
8		Heptachlor		1.315	1.295	1.5	99	0.00
9		Aldrin		1.284	1.310	-2.0	101	0.00
10		Alachlor		0.194	0.189	2.6	103	0.00
11		Chlorpyrifos	*	50.000	60.122	-20.2	103	0.00
12		Heptachlor Epoxide		1.161	1.165	-0.3	101	0.00
13		gamma-Chlordane (trans)		1.140	1.267	-11.1	115	0.00
14		alpha-Chlordane (cis)		1.273	1.251	1.7	100	0.00
15		4,4'-DDE		1.268	1.317	-3.9	103	0.00
16		Endosulfan I		1.138	1.128	0.9	100	0.00
17		Dieldrin		1.209	1.311	-8.4	109	0.00
18		Endrin		1.209	1.213	-0.3	100	0.00
19		4,4'-DDD		0.982	1.064	-8.4	108	0.00
20		Endosulfan II		1.096	1.119	-2.1	103	0.00
21		4,4'-DDT		1.107	1.150	-3.9	104	0.00
22		Endrin Aldehyde		0.923	0.860	6.8	94	0.00
23		Methoxychlor	*	50.000	60.108	-20.2	105	0.00
24		Mirex	*	50.000	55.986	-12.0	106	0.00
25		Endosulfan Sulfate		1.087	1.121	-3.1	104	0.00
26		Endrin Ketone		1.216	1.293	-6.3	108	0.00
27	s	Decachlorobiphenyl	*	50.000	53.275	-6.5	104	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Aug 2024 15:59
Operator : PEST18:peg
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:40:26 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	106	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.179	1.156	2.0	101	0.00
3		Hexachlorobenzene		1.260	1.186	5.9	102	0.00
4		alpha-BHC		1.569	1.580	-0.7	100	0.00
5		gamma-BHC (lindane)		1.462	1.398	4.4	98	0.00
6		beta-BHC		0.679	0.627	7.7	100	0.00
7		delta-BHC		1.445	1.373	5.0	95	0.00
8		Heptachlor		1.318	1.318	0.0	102	0.00
9		Aldrin		1.307	1.350	-3.3	102	0.00
10		Alachlor		0.196	0.193	1.5	104	0.00
11		Chlorpyrifos	*	50.000	57.727	-15.5	103	0.00
12		Heptachlor Epoxide		1.247	1.218	2.3	100	0.00
13		gamma-Chlordane (trans)		1.137	1.288	-13.3	116	0.00
14		alpha-Chlordane (cis)		1.268	1.268	0.0	102	0.00
15		4,4'-DDE		1.245	1.305	-4.8	103	0.00
16		Endosulfan I		1.167	1.167	0.0	101	0.00
17		Dieldrin		1.196	1.326	-10.9	110	0.00
18		Endrin		1.197	1.205	-0.7	101	0.00
19		4,4'-DDD		0.976	1.068	-9.4	110	0.00
20		Endosulfan II		1.072	1.103	-2.9	104	0.00
21		4,4'-DDT		1.070	1.108	-3.6	104	0.00
22		Endrin Aldehyde		0.903	0.833	7.8	95	0.00
23		Methoxychlor		0.581	0.585	-0.7	105	0.00
24		Mirex		0.903	0.872	3.4	106	0.00
25		Endosulfan Sulfate		1.032	1.041	-0.9	104	0.00
26		Endrin Ketone		1.116	1.183	-6.0	108	0.00
27	s	Decachlorobiphenyl		0.953	0.916	3.9	104	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Aug 2024 15:59
Operator : PEST18:peg
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:40:26 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.68#
29	l1	chlordane-1		0.078	0.000	100.0#	0#	-3.05#
30	l1	chlordane-3		0.050	0.000	100.0#	0#	-3.42#
31	l1	chlordane-4		0.176	0.000	100.0#	0#	-3.99#
32	l1	chlordane-5		0.270	0.000	100.0#	0#	-4.12#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.68#
34	l2	toxaphene-1		0.050	0.000	100.0#	0#	-5.02#
35	l2	toxaphene-2		0.054	0.000	100.0#	0#	-5.15#
36	l2	toxaphene-3		0.055	0.000	100.0#	0#	-5.39#
37	l2	toxaphene-4		0.055	0.000	100.0#	0#	-5.77#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.78#
29	l1	chlordane-1		0.041	0.000	100.0#	0#	-3.35#
30	l1	chlordane-3		0.046	0.000	100.0#	0#	-3.96#
31	l1	chlordane-4		0.164	0.000	100.0#	0#	-4.64#
32	l1	chlordane-5		0.131	0.000	100.0#	0#	-4.82#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.78#
34	l2	toxaphene-1		0.025	0.000	100.0#	0#	-5.66#
35	l2	toxaphene-2		0.038	0.000	100.0#	0#	-5.69#
36	l2	toxaphene-3		0.045	0.000	100.0#	0#	-6.02#
37	l2	toxaphene-4		0.040	0.000	100.0#	0#	-6.43#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:59
Operator : PEST18:peg
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:40:26 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
		Internal Standards						
1)	i	1-br-2-nb_Pe	1.683	1.784	551.3E6	340.8E6	25.000M4	25.000M4
28)	i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33)	i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
		System Monitoring Compounds						
2)	s	2,4,5,6-Tetr	2.117	2.340	1285.2E6	788.3E6	47.784M4	49.036M4
		Spiked Amount 50.000	Range 30 - 150		Recovery =		95.57%	98.07%
27)	s	Decachlorobi	6.921	7.549	1388.5E6	624.5E6	53.275M4	48.078
		Spiked Amount 50.000	Range 30 - 150		Recovery =		106.55%	96.16%
		Target Compounds						
3)		Hexachlorobe	2.358	2.683	1482.5E6	808.8E6	46.982M4	47.069M4
4)		alpha-BHC	2.470	2.787	1660.8E6	1077.2E6	49.205M4	50.351M4
5)		gamma-BHC (l	2.688	3.083	1456.2E6	953.2E6	47.035M4	47.810M4
6)		beta-BHC	2.752	3.156	654.3E6	427.6E6	46.483M4	46.157M4
7)		delta-BHC	2.885	3.426	1448.9E6	935.8E6	46.806M4	47.518
8)		Heptachlor	3.054	3.484	1427.9E6	898.5E6	49.253M4	50.001
9)		Aldrin	3.303	3.804	1444.6E6	920.0E6	51.031M4	51.629M4
10)		Alachlor	3.442	3.700	208.9E6	131.8E6	48.917M4	49.258M4
11)		Chlorpyrifos	3.537	4.056	646.4E6	417.5E6	60.122M4	57.727

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:59
Operator : PEST18:peg
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:40:26 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)		Heptachlor E	3.862	4.424	1284.6E6	830.2E6	50.188M4	48.825M3
13)		gamma-Chlord	3.989	4.646	1396.6E6	877.7E6	55.550M4	56.638M4
14)		alpha-Chlord	4.125	4.821	1379.3E6	864.2E6	49.150M4	49.977
15)		4,4'-DDE	4.231	5.035	1452.4E6	889.4E6	51.948M4	52.389
16)		Endosulfan I	4.260	4.883	1244.0E6	795.2E6	49.574M4	49.994M4
17)		Dieldrin	4.523	5.190	1445.4E6	904.2E6	54.221M4	55.473M4
18)		Endrin	4.779	5.499	1337.7E6	821.1E6	50.162M4	50.300
19)		4,4'-DDD	4.905	5.634	1173.1E6	727.9E6	54.172M4	54.684M4
20)		Endosulfan I	5.032	5.706	1233.4E6	751.7E6	51.023M4	51.436M4
21)		4,4'-DDT	5.210	5.917	1268.2E6	755.6E6	51.952M4	51.775M4
22)		Endrin Aldeh	5.466	6.012	948.4E6	567.9E6	46.589M4	46.107M4
23)		Methoxychlor	5.718	6.498	696.7E6	399.1E6	60.108M4	50.396M4
24)		Mirex	5.764	6.625	1048.6E6	594.6E6	55.986M3	48.289M3
25)		Endosulfan S	5.869	6.246	1236.0E6	709.8E6	51.586M3	50.452M4
26)		Endrin Keton	6.099	6.664	1425.8E6	806.3E6	53.183M4	52.996M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:59
Operator : PEST18:peg
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:40:26 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

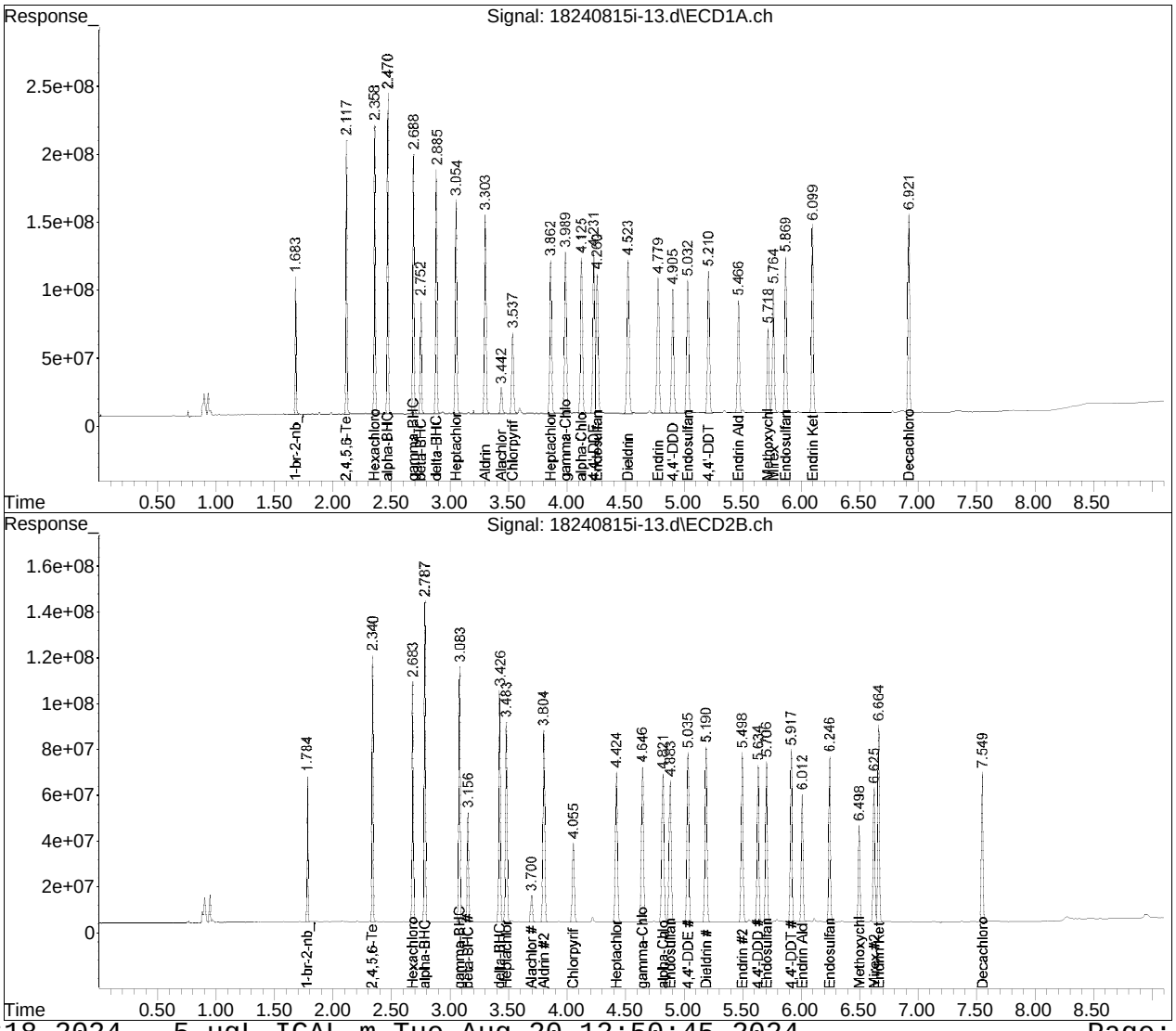
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 15:59
Operator : PEST18:peg
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:40:26 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

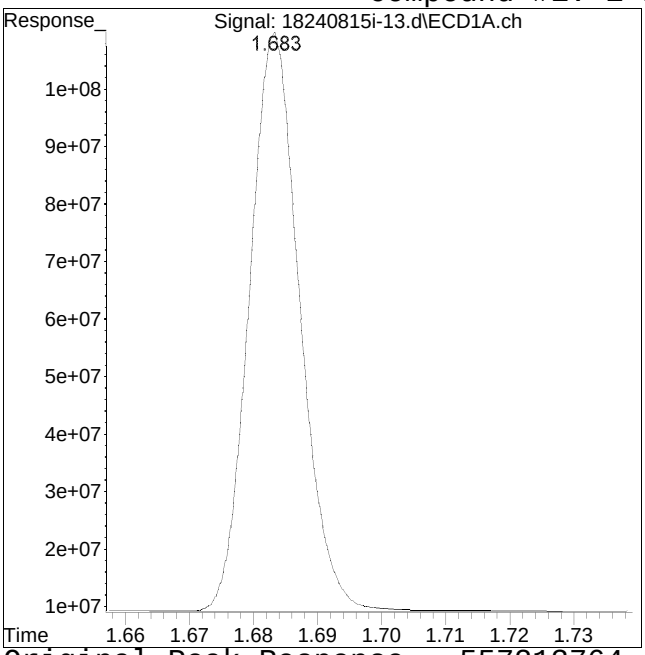
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



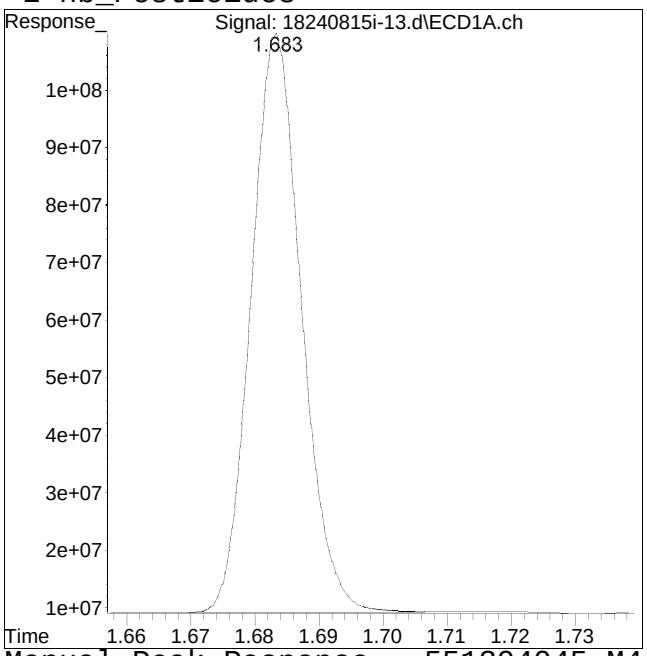
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-13.d
Date Inj'd : 8/15/2024 15:59
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:40 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 557213764



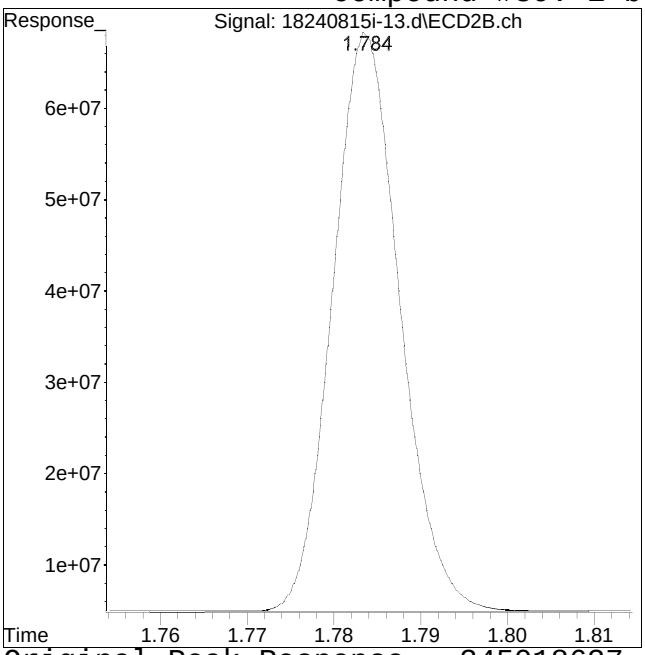
Manual Peak Response = 551304045 M4

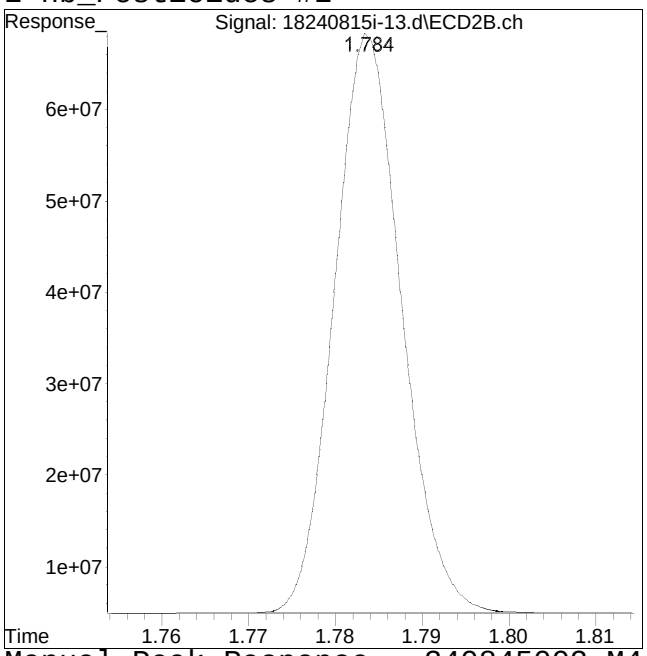
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #39: 1-br-2-nb_Pesticides #2



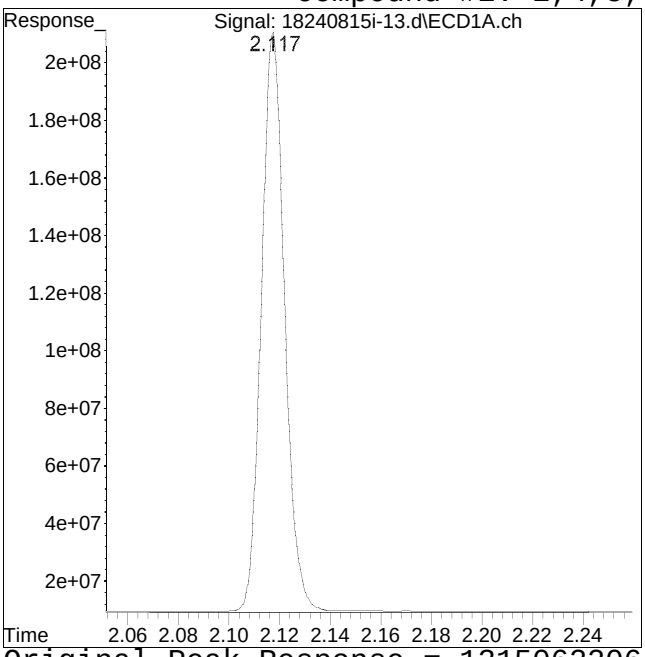


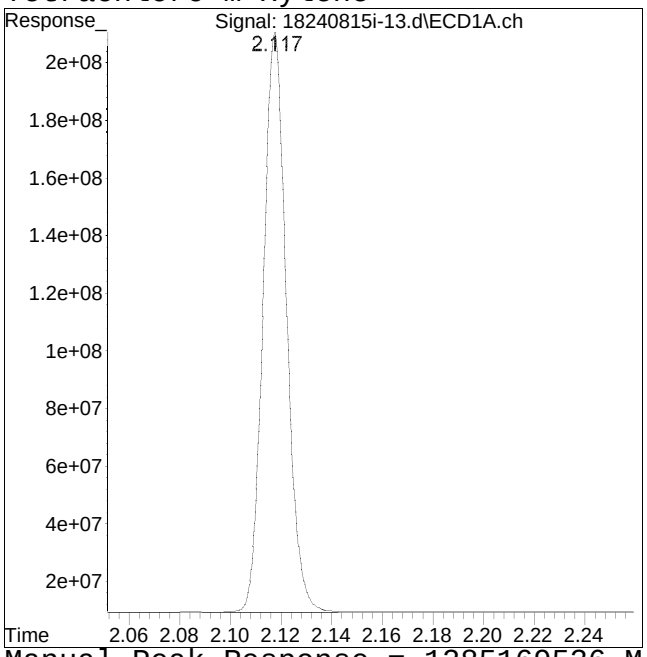
Original Peak Response = 345018637 Manual Peak Response = 340845002 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



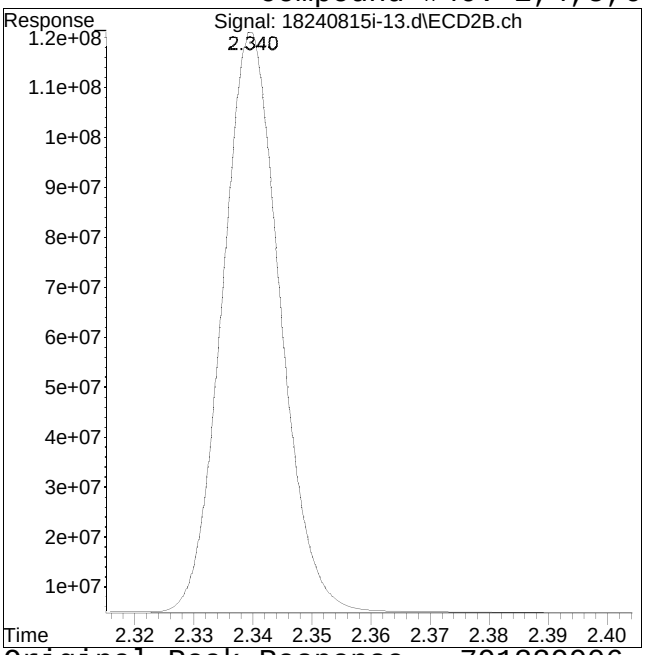


Original Peak Response = 1315062206 Manual Peak Response = 1285169536 M4
M4 = Poor automated baseline construction.

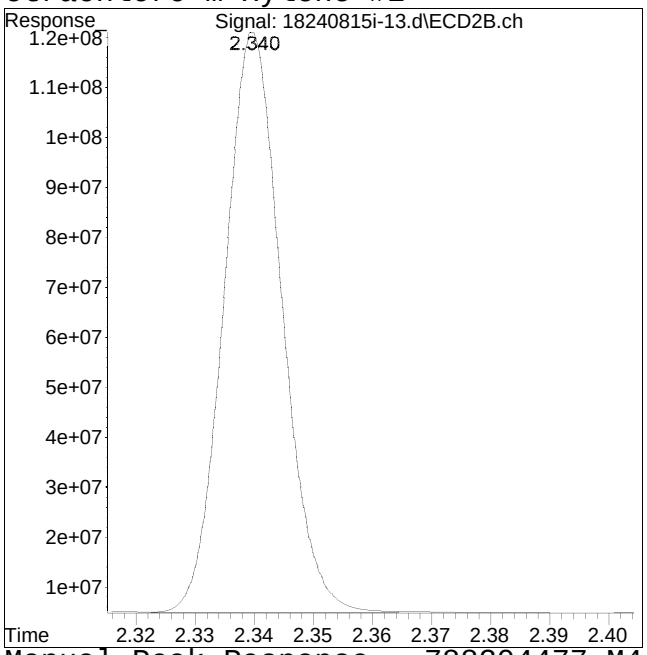
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 791339906



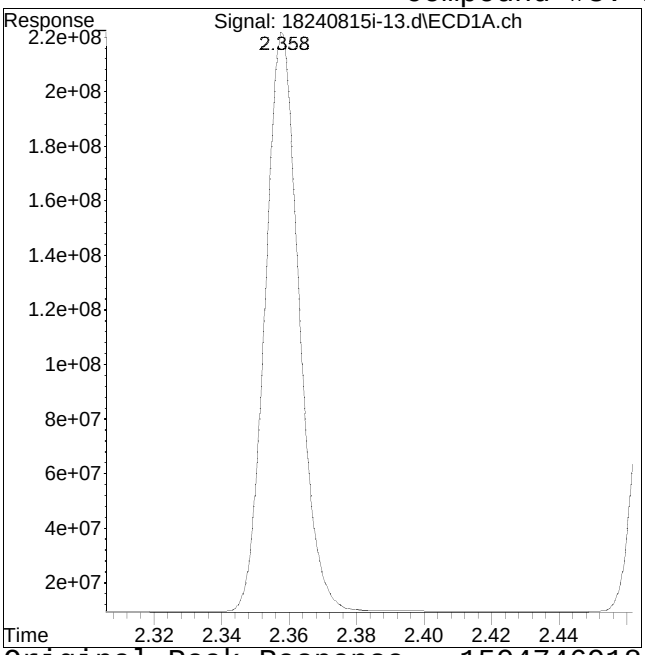
Manual Peak Response = 788304477 M4

M4 = Poor automated baseline construction.

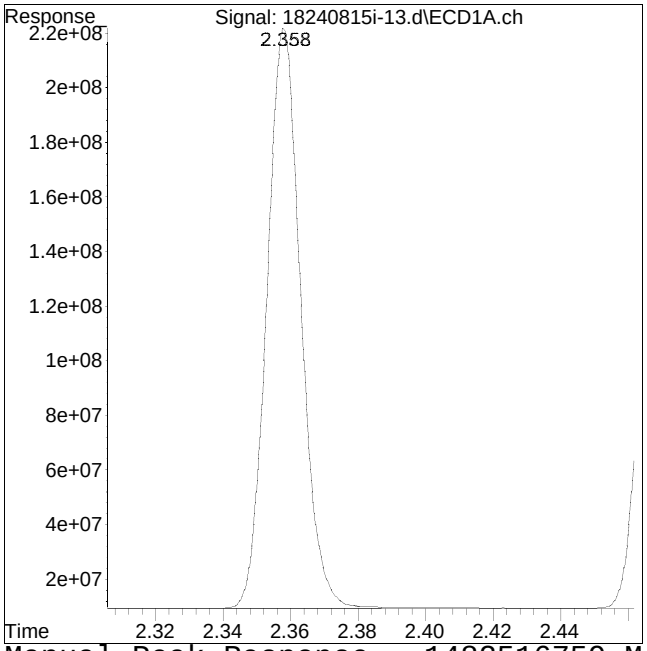
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-13.d
Date Inj'd : 8/15/2024 15:59
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:40 pm

Compound #3: Hexachlorobenzene



Original Peak Response = 1504746918



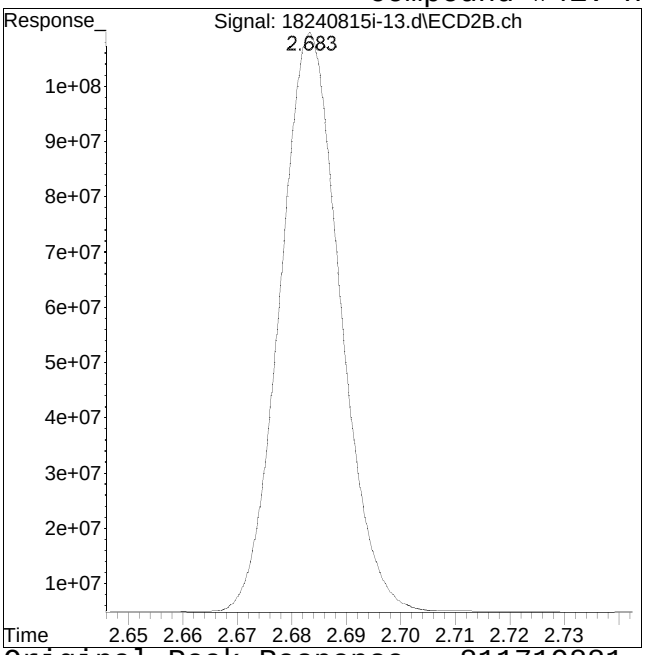
Manual Peak Response = 1482516759 M4

M4 = Poor automated baseline construction.

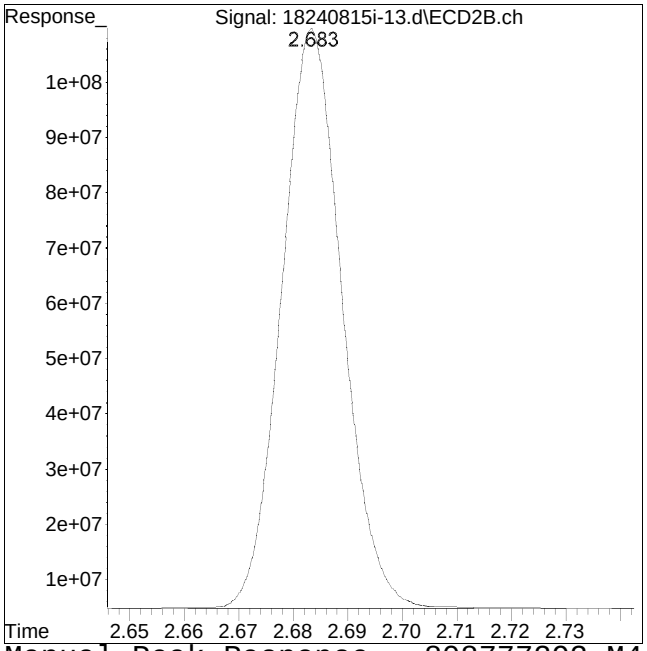
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #41: Hexachlorobenzene #2



Original Peak Response = 811719881



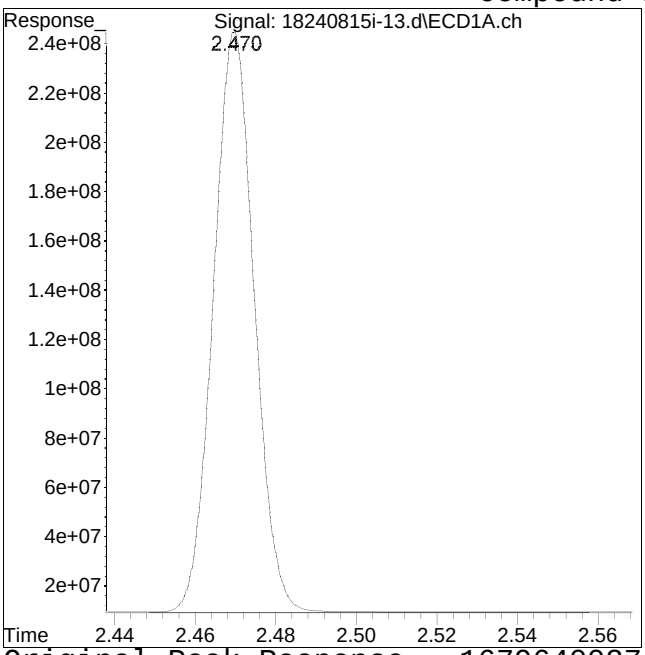
Manual Peak Response = 808777293 M4

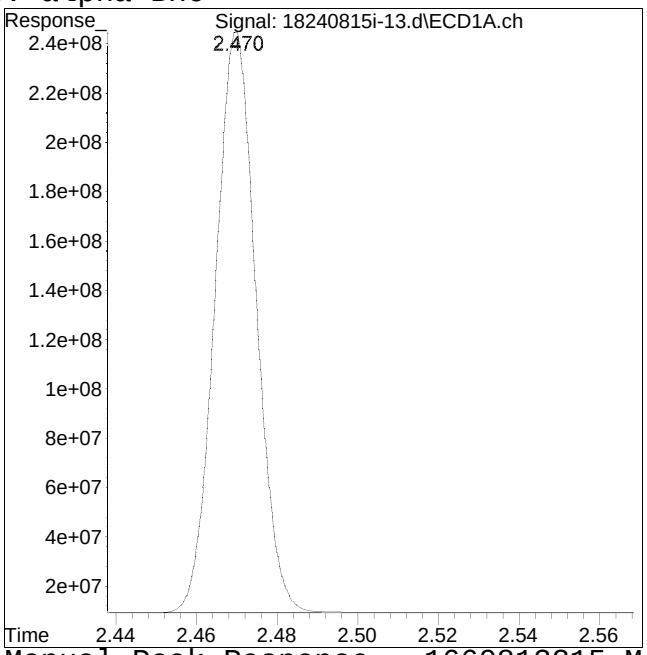
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #4: alpha-BHC



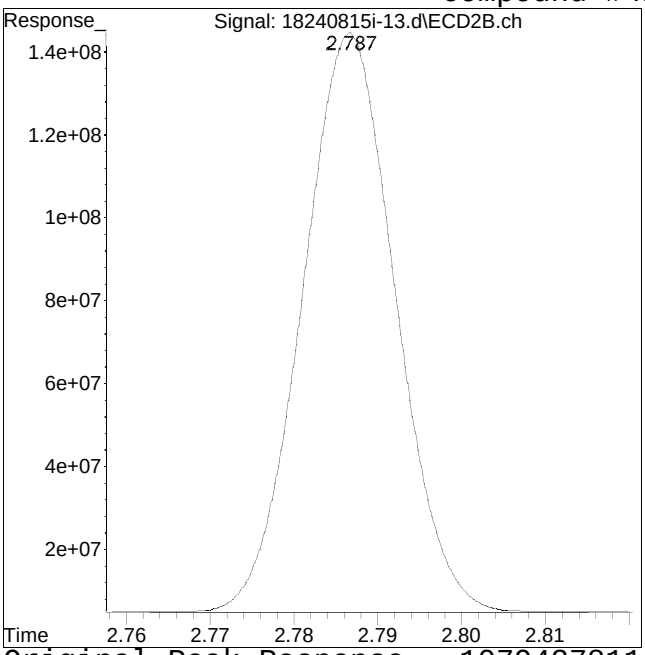


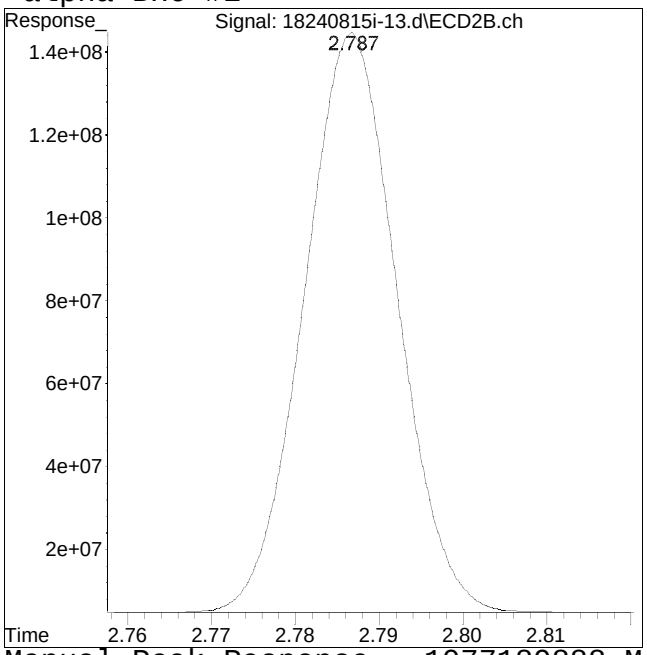
Original Peak Response = 1679640027 Manual Peak Response = 1660813215 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #42: alpha-BHC #2



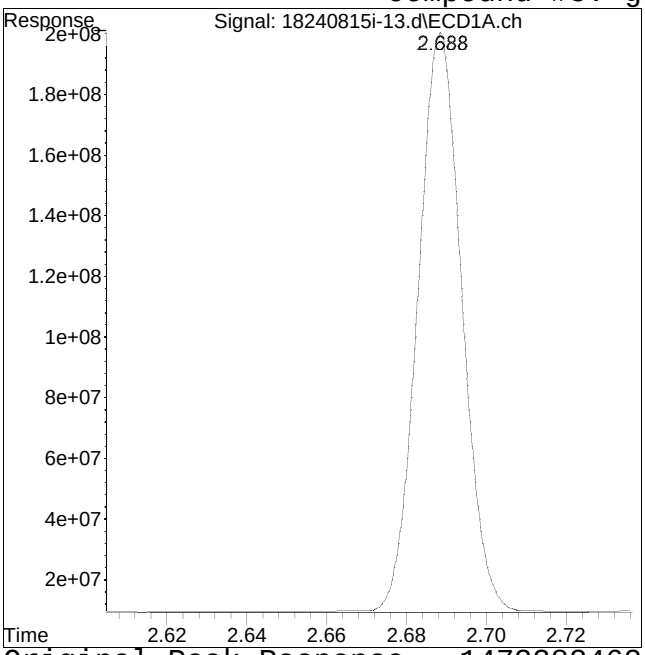


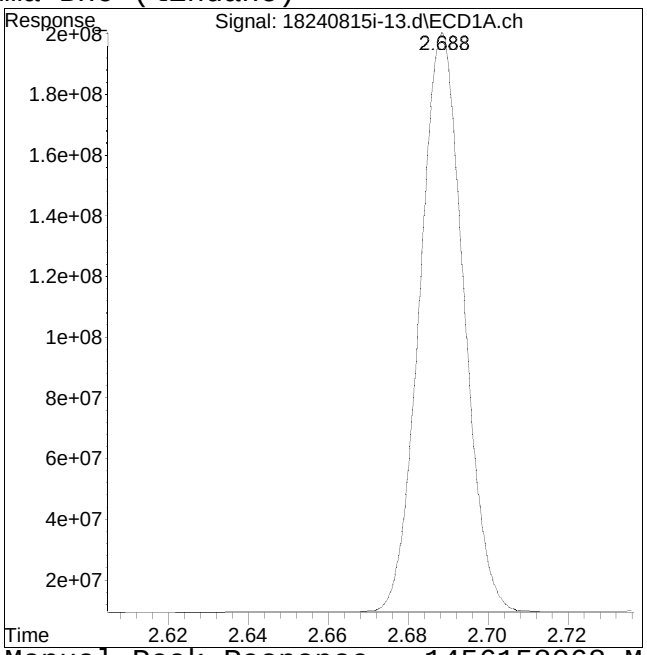
Original Peak Response = 1079427811 Manual Peak Response = 1077189888 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #5: gamma-BHC (lindane)



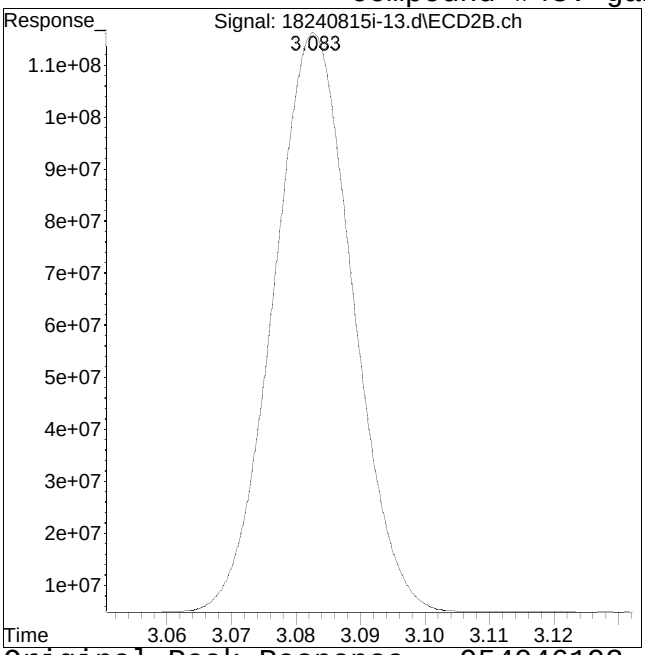


Original Peak Response = 1473282462 Manual Peak Response = 1456158068 M4
M4 = Poor automated baseline construction.

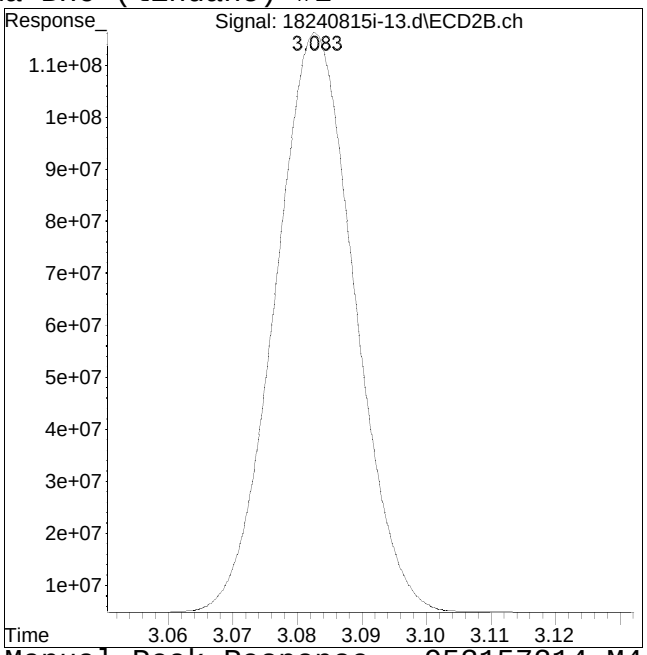
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 954046193



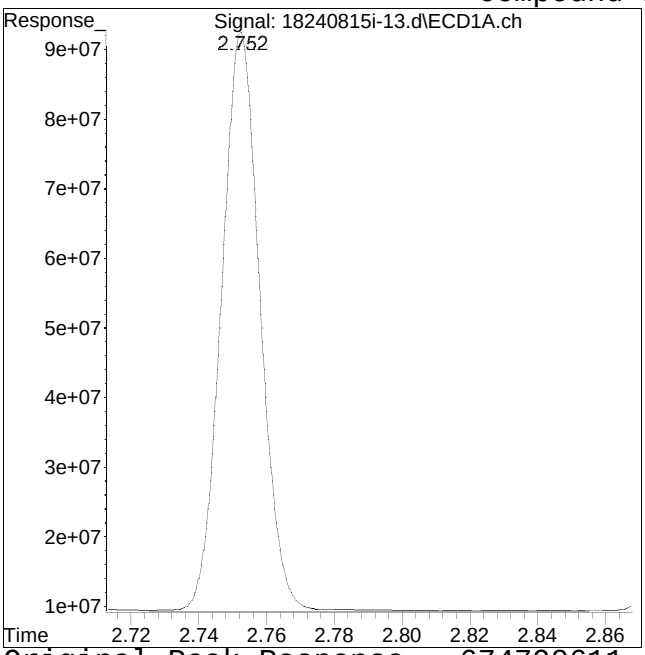
Manual Peak Response = 953157214 M4

M4 = Poor automated baseline construction.

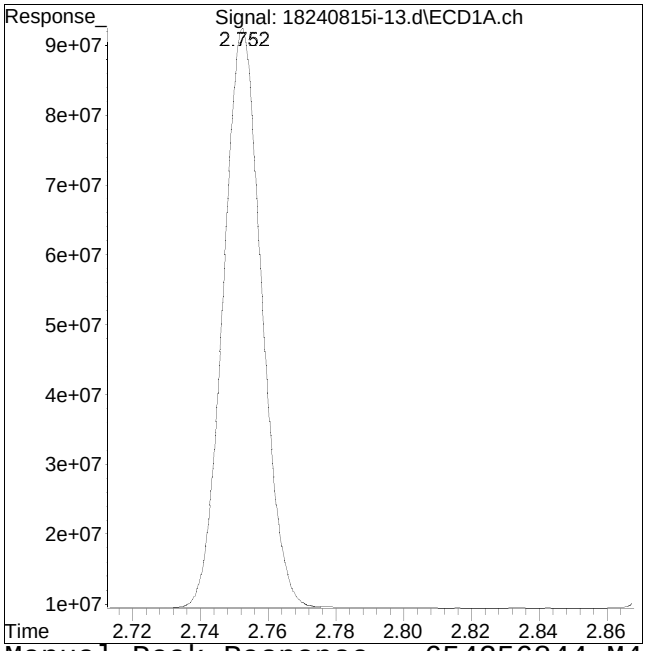
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #6: beta-BHC



Original Peak Response = 674790611



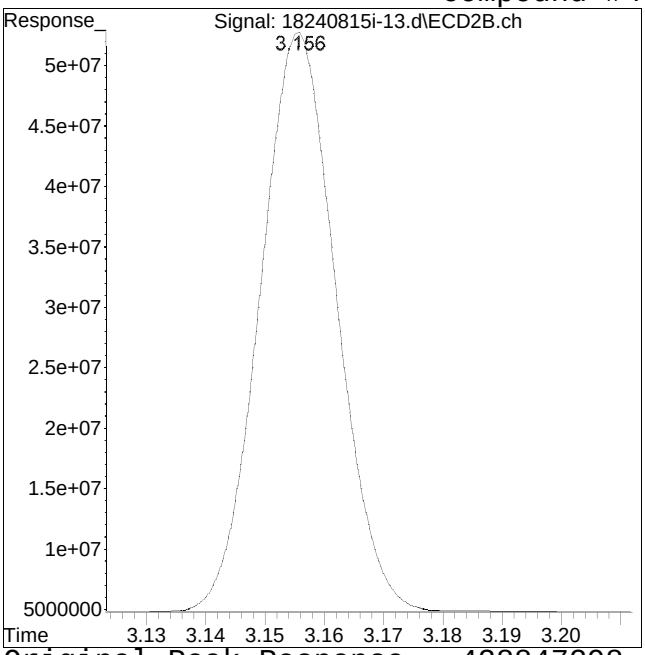
Manual Peak Response = 654256844 M4

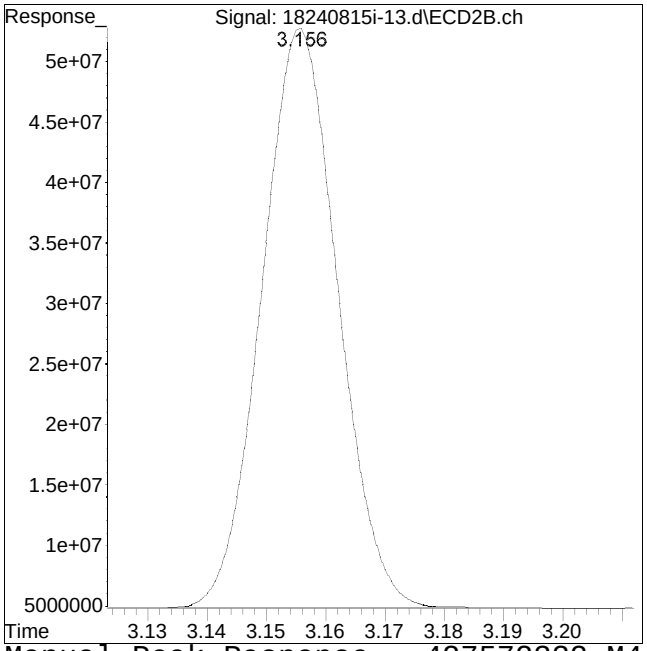
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #44: beta-BHC #2



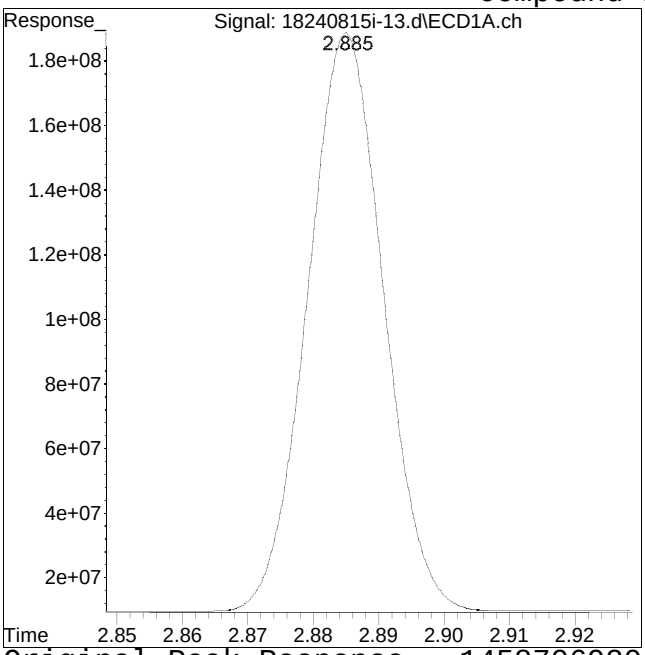


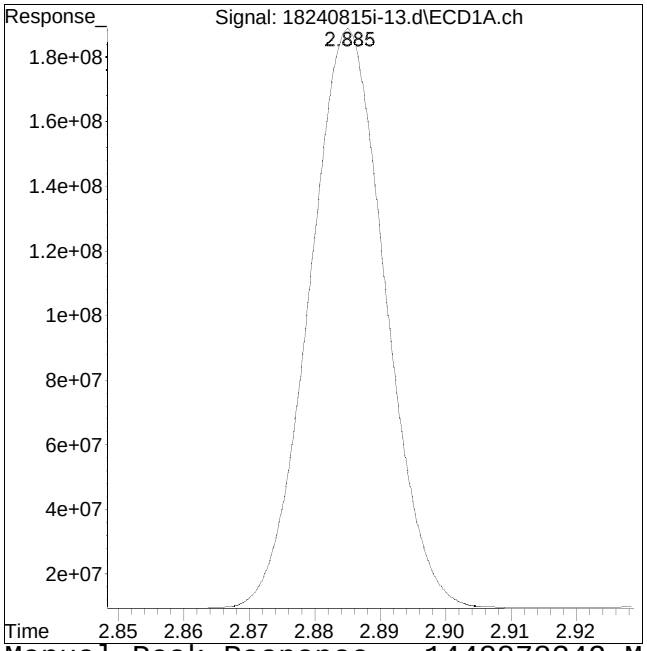
Original Peak Response = 428847298 Manual Peak Response = 427572332 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #7: delta-BHC



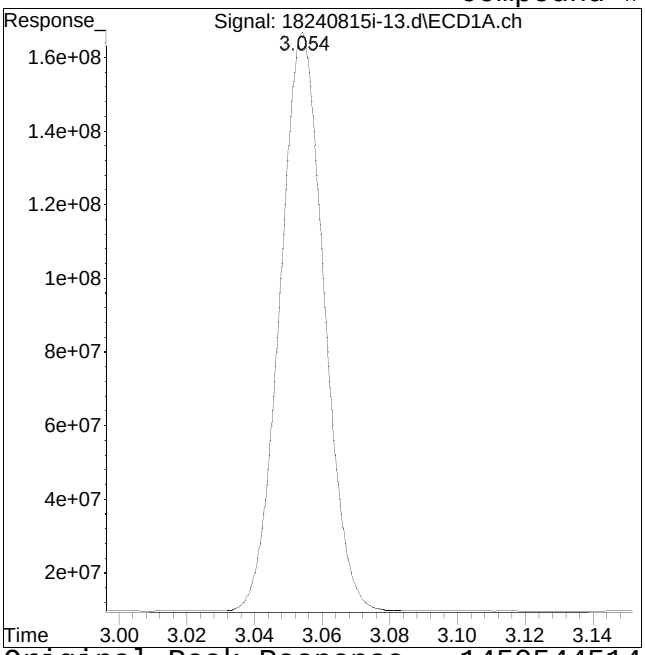


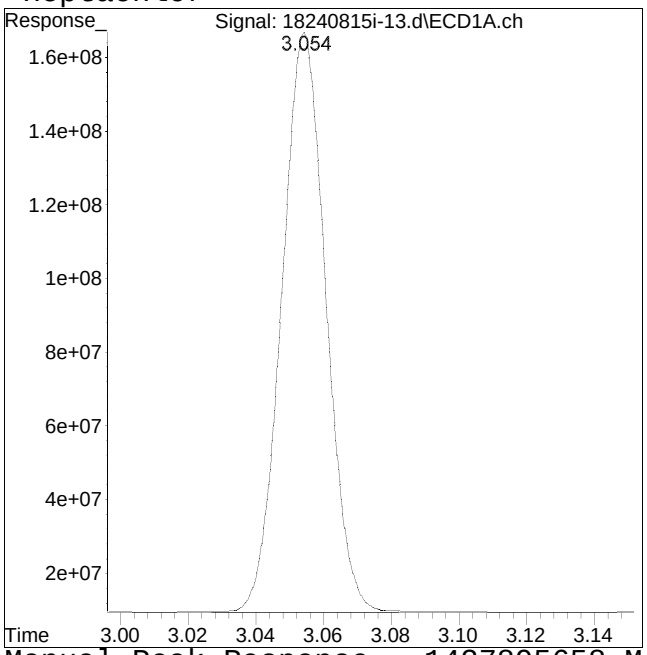
Original Peak Response = 1458706920 Manual Peak Response = 1448878342 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #8: Heptachlor



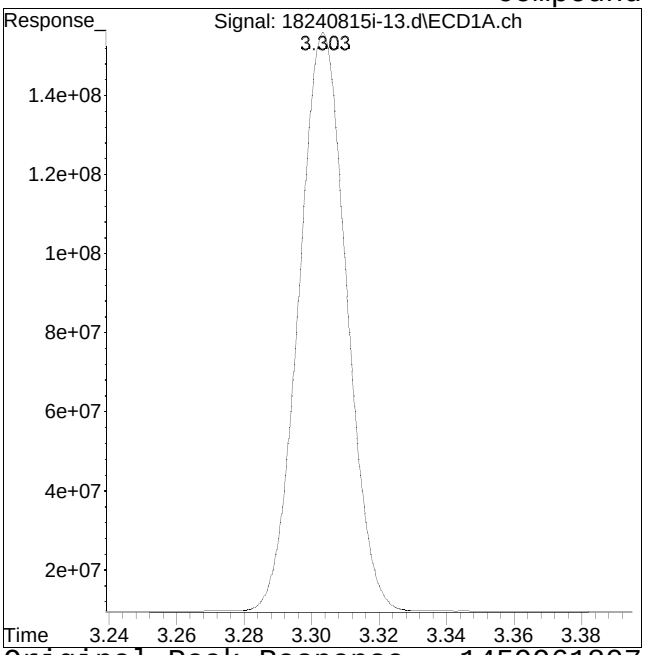


Original Peak Response = 1450544514 Manual Peak Response = 1427895658 M4
M4 = Poor automated baseline construction.

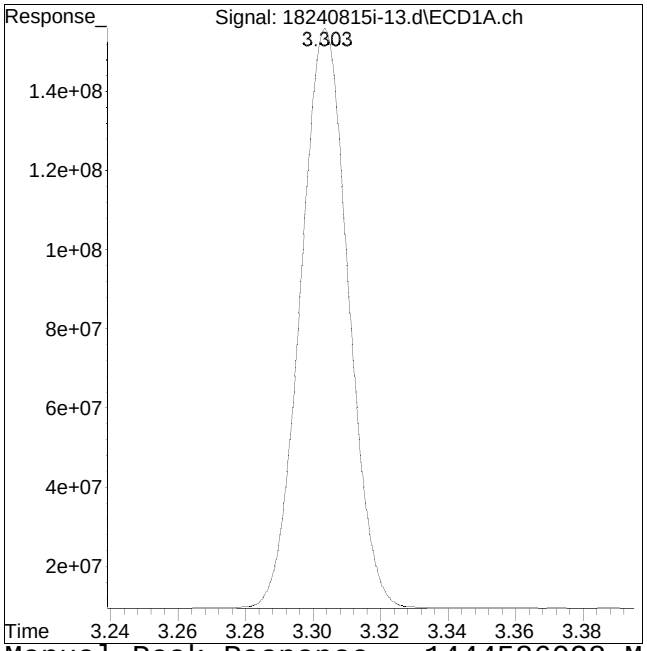
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #9: Aldrin



Original Peak Response = 1459961807

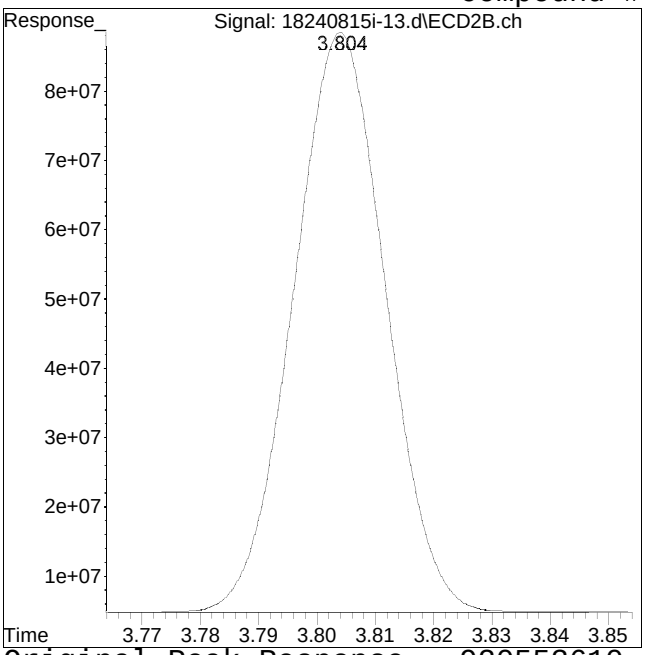


Manual Peak Response = 1444586028 M4
M4 = Poor automated baseline construction.

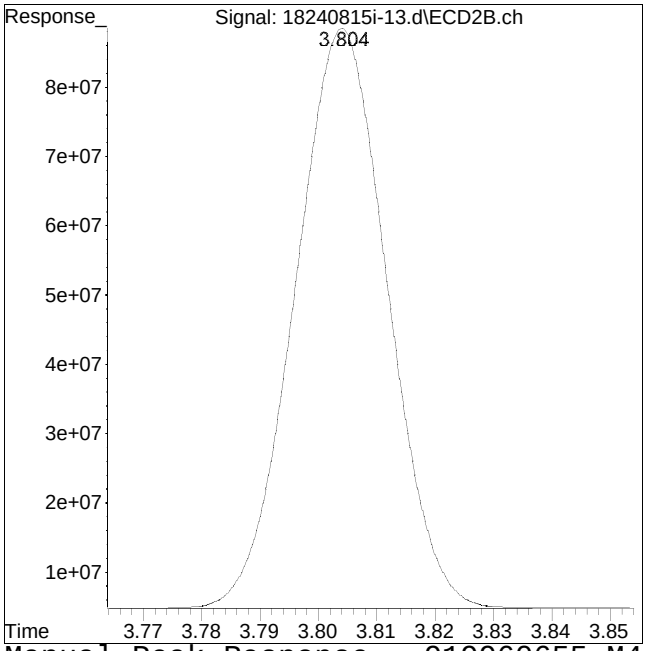
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #47: Aldrin #2



Original Peak Response = 920553610



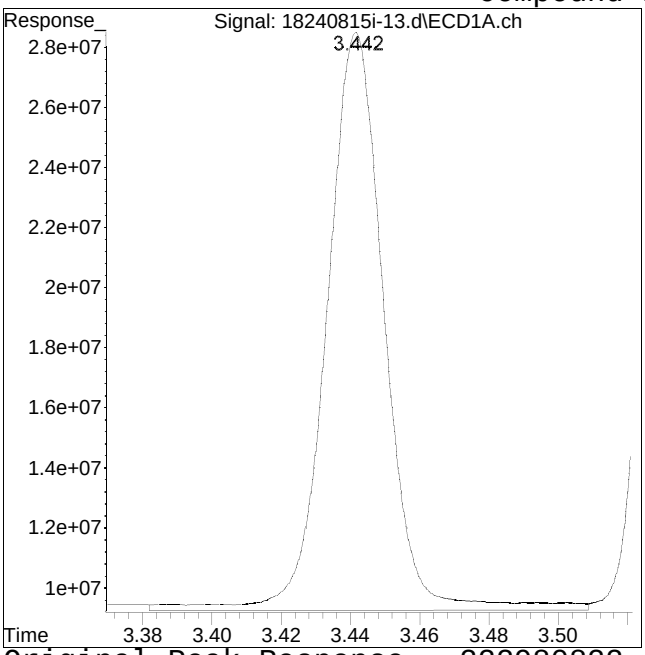
Manual Peak Response = 919960655 M4
M4 = Poor automated baseline construction.

Manual Integration Report

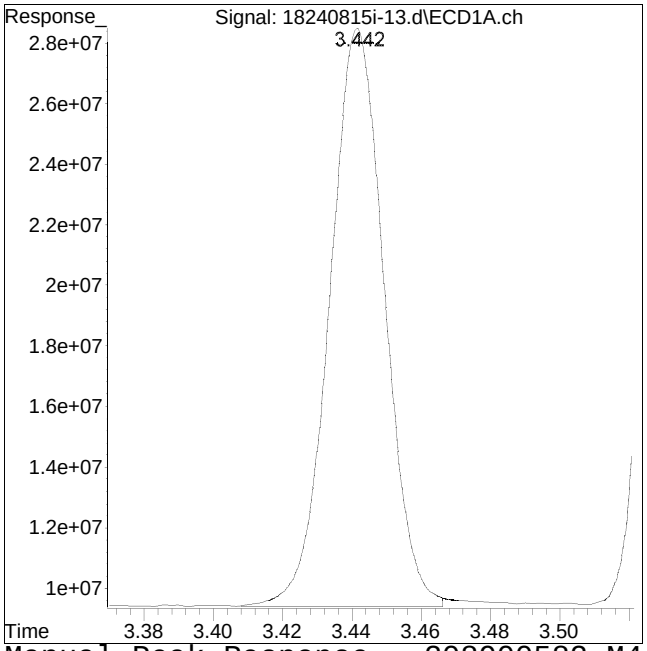
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-13.d
Date Inj'd : 8/15/2024 15:59
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:40 pm

Compound #10: Alachlor



Original Peak Response = 222980822



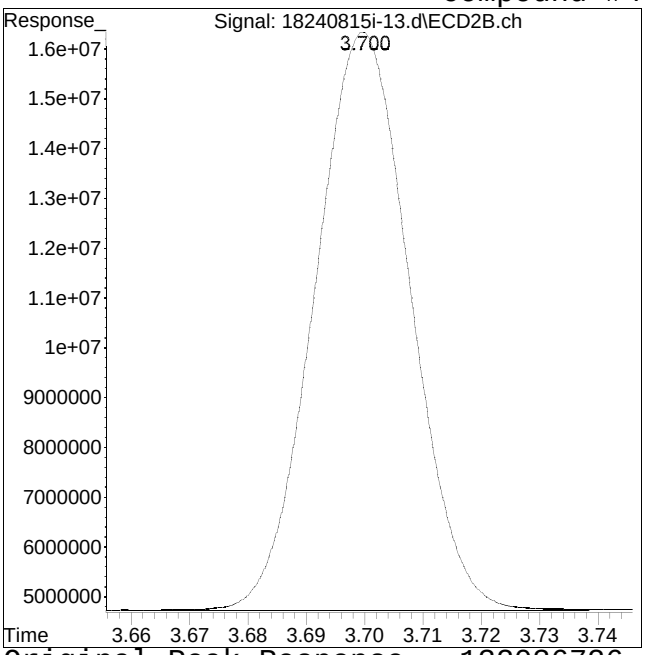
Manual Peak Response = 208900582 M4

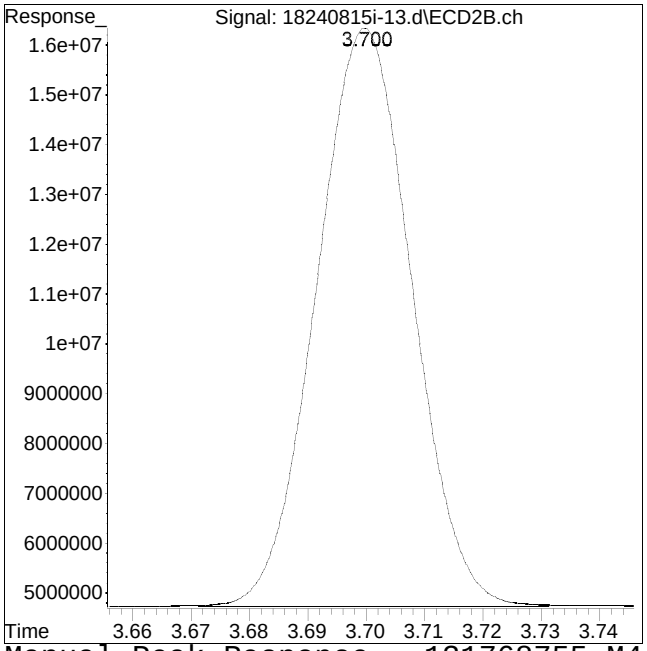
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #48: Alachlor #2



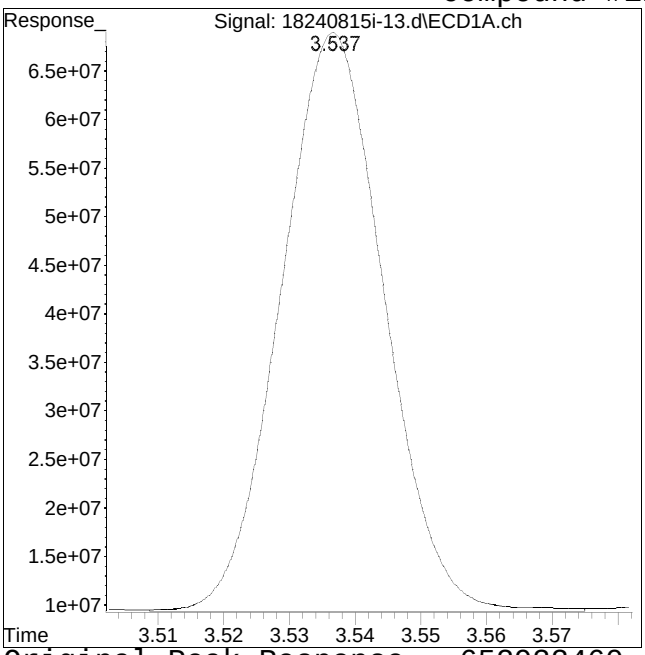


Original Peak Response = 132036726 Manual Peak Response = 131768755 M4
M4 = Poor automated baseline construction.

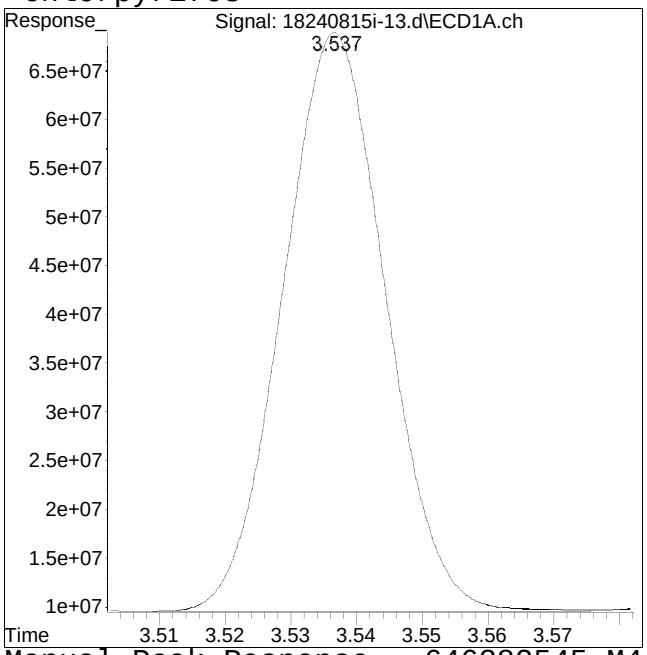
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-13.d
Date Inj'd : 8/15/2024 15:59
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:40 pm

Compound #11: Chlorpyrifos



Original Peak Response = 652932460



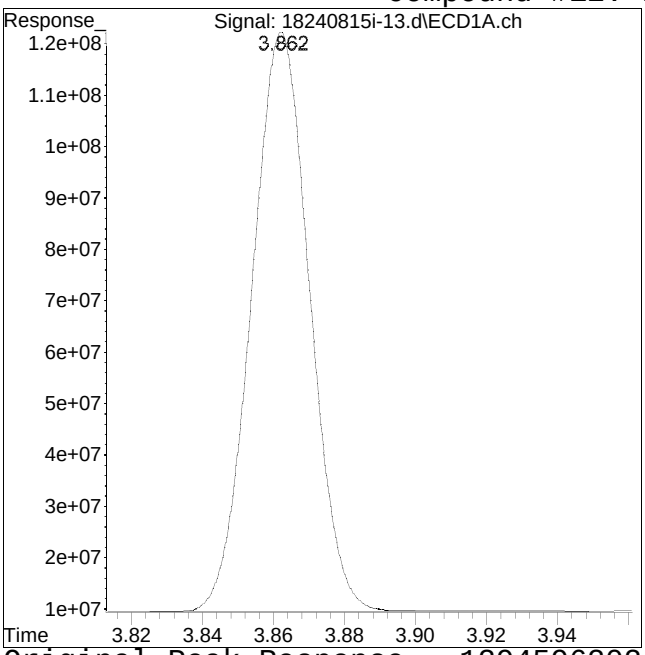
Manual Peak Response = 646382545 M4

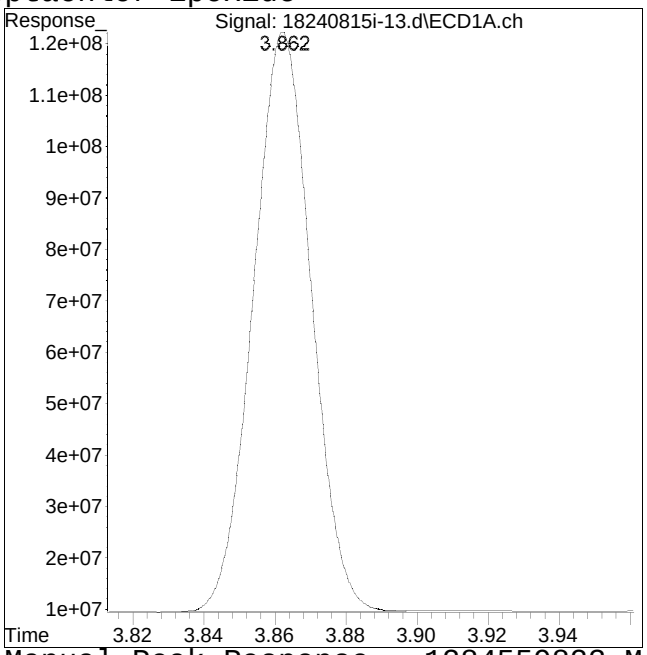
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #12: Heptachlor Epoxide



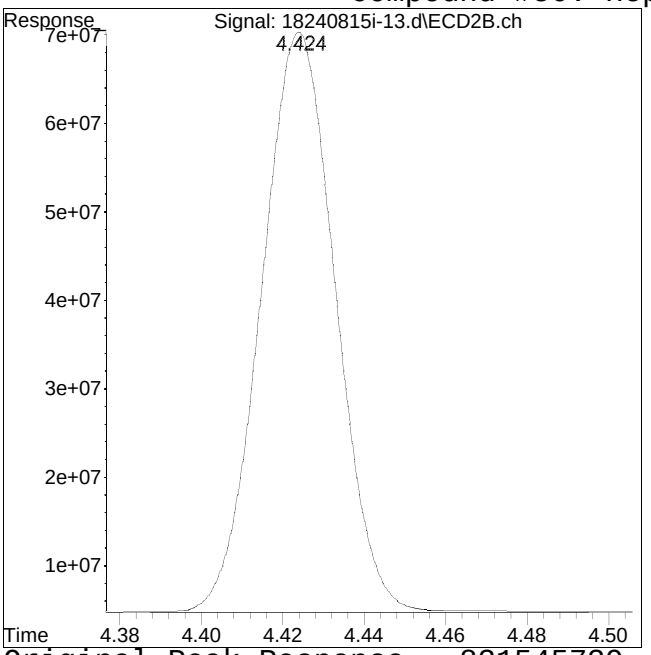


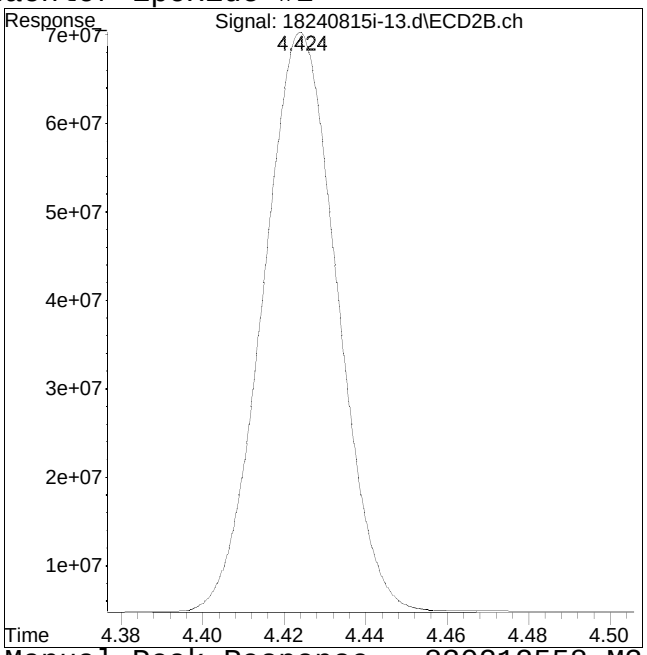
Original Peak Response = 1294596202 Manual Peak Response = 1284559823 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #50: Heptachlor Epoxide #2



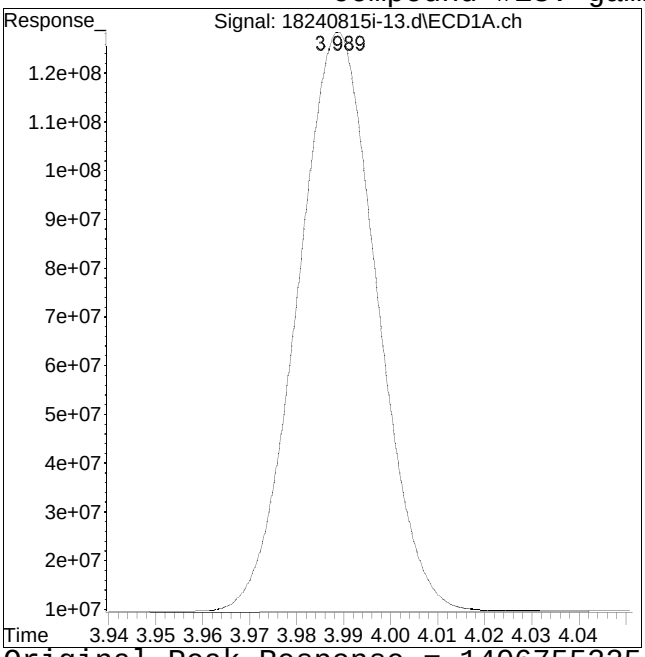


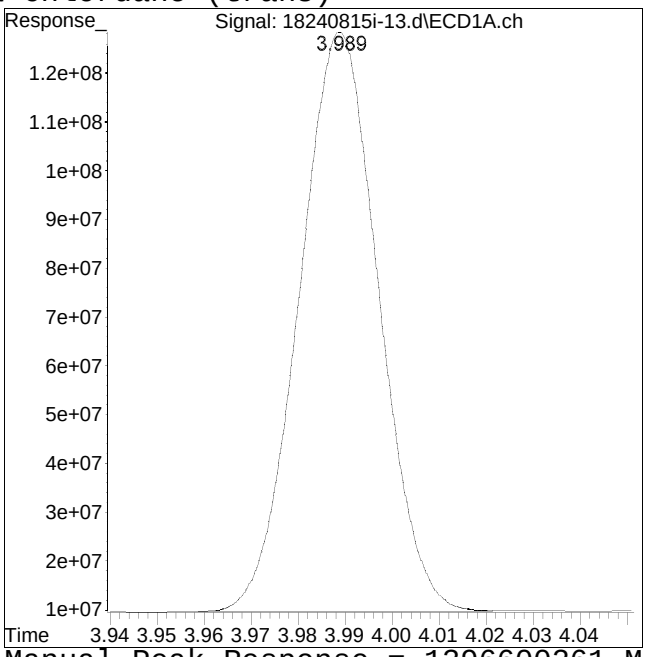
Original Peak Response = 831545739 Manual Peak Response = 830212558 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #13: gamma-Chlordane (trans)



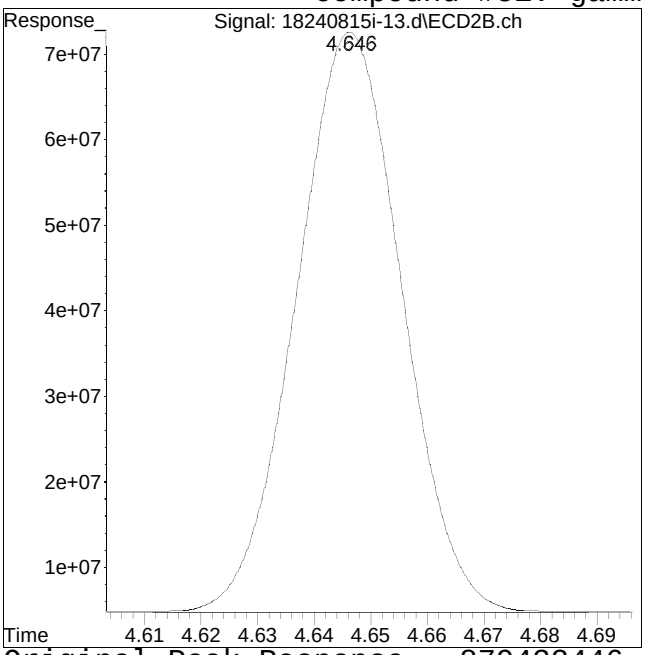


Original Peak Response = 1406755225 Manual Peak Response = 1396600261 M4
M4 = Poor automated baseline construction.

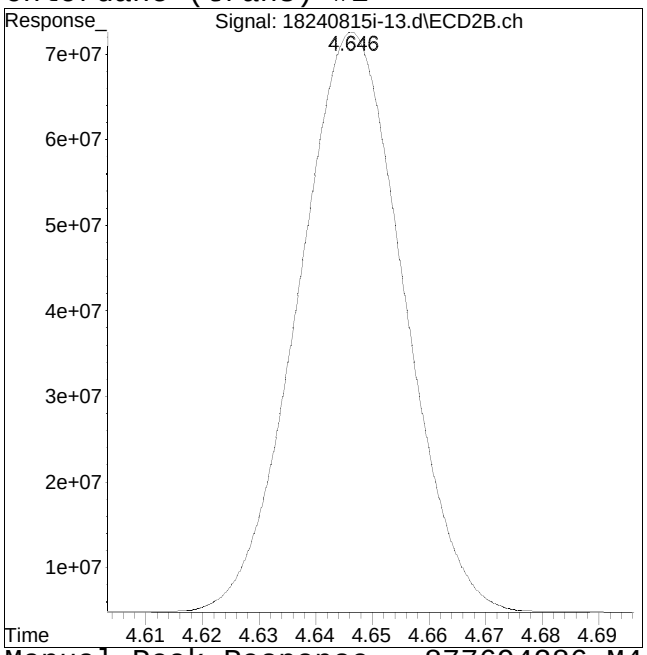
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 879432446

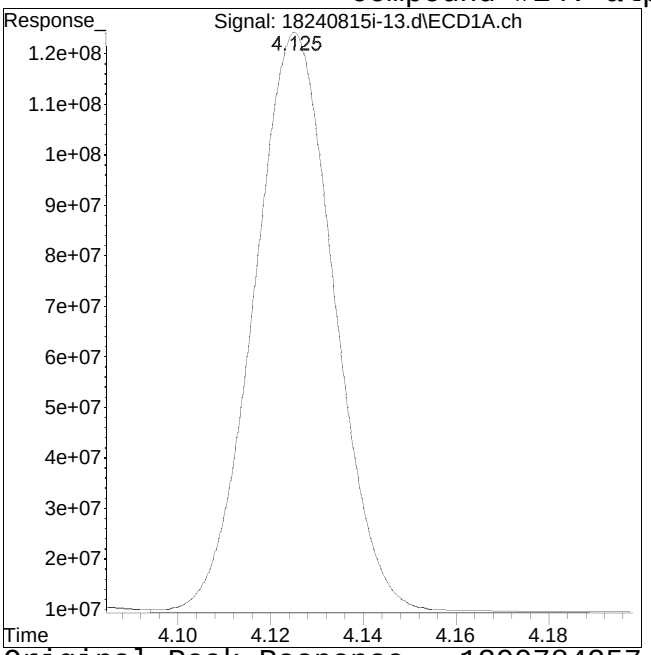


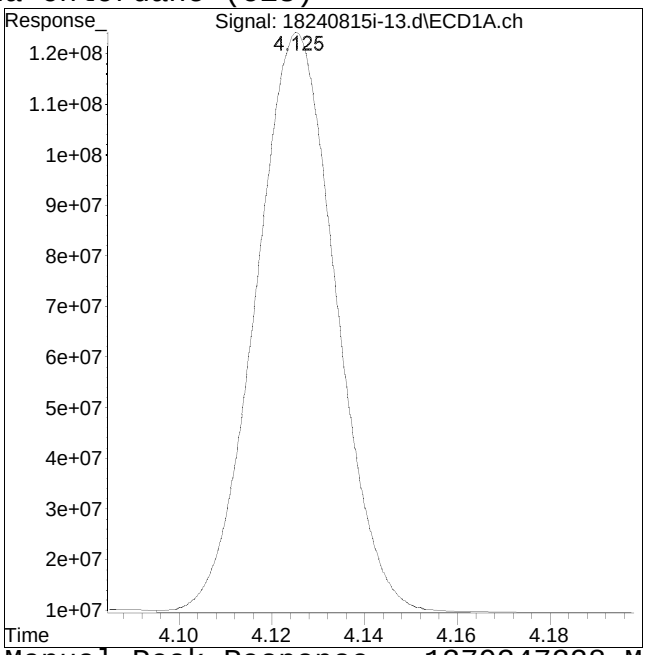
Manual Peak Response = 877694286 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #14: alpha-Chlordane (cis)



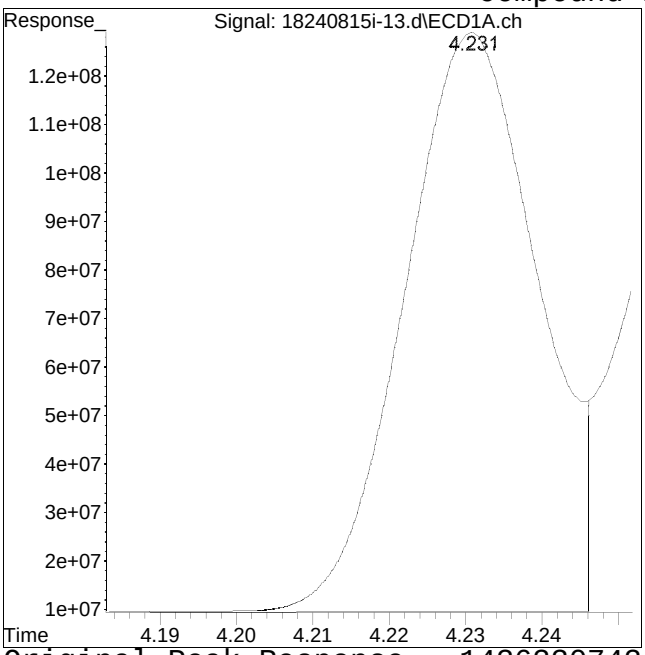


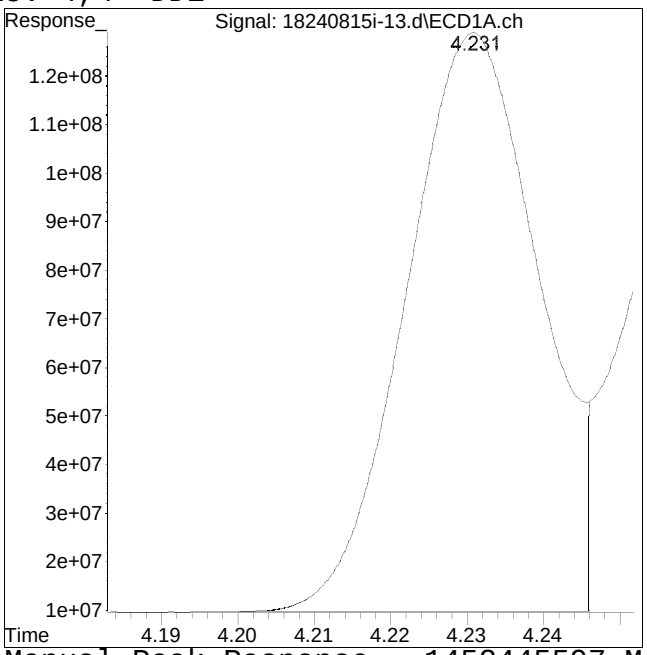
Original Peak Response = 1390784257 Manual Peak Response = 1379347328 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #15: 4,4'-DDE



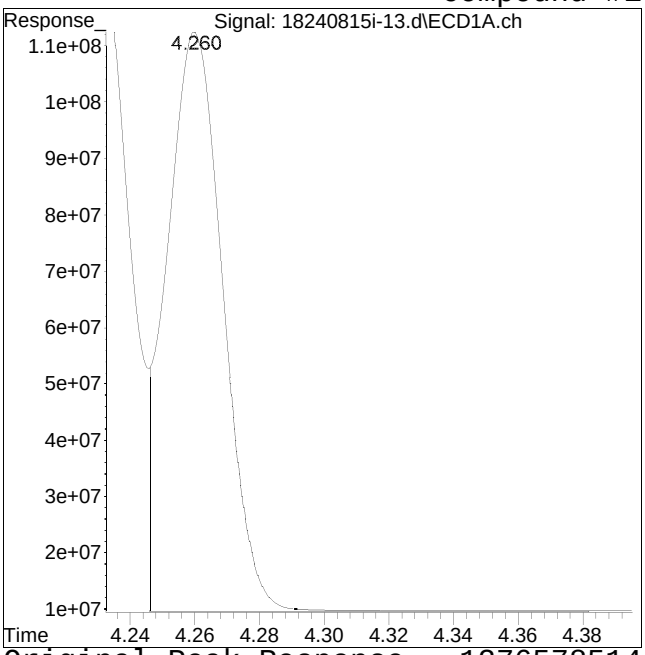


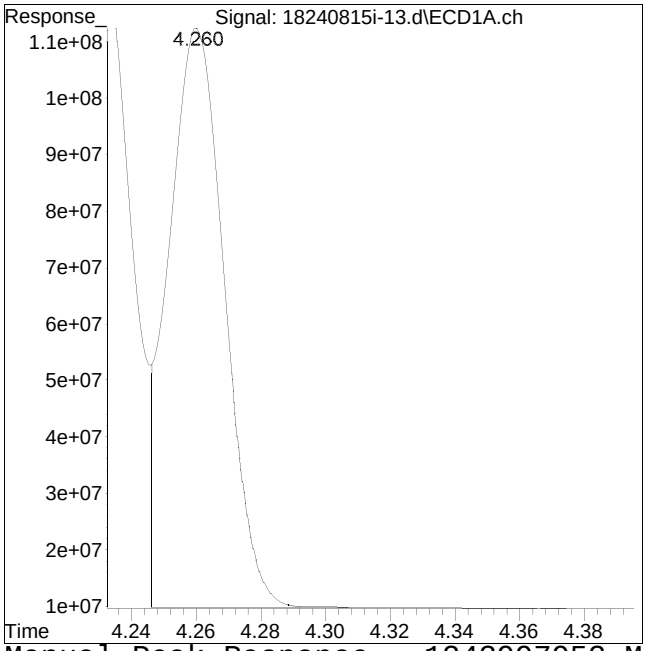
Original Peak Response = 1436330743 Manual Peak Response = 1452445597 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #16: Endosulfan I



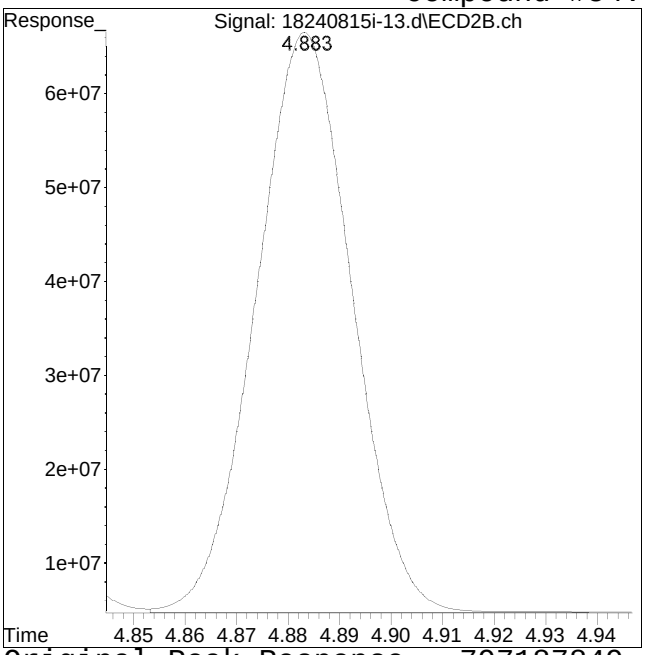


Original Peak Response = 1276578514 Manual Peak Response = 1243997953 M4
M4 = Poor automated baseline construction.

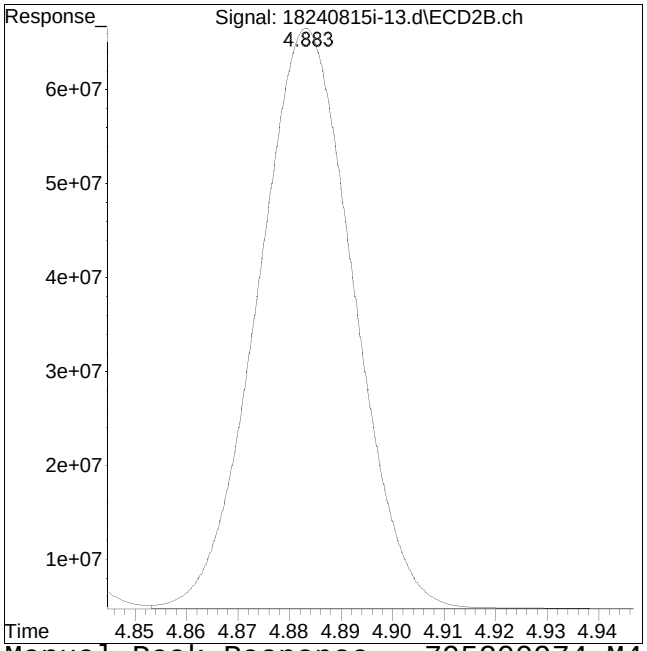
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #54: Endosulfan I #2



Original Peak Response = 797187849



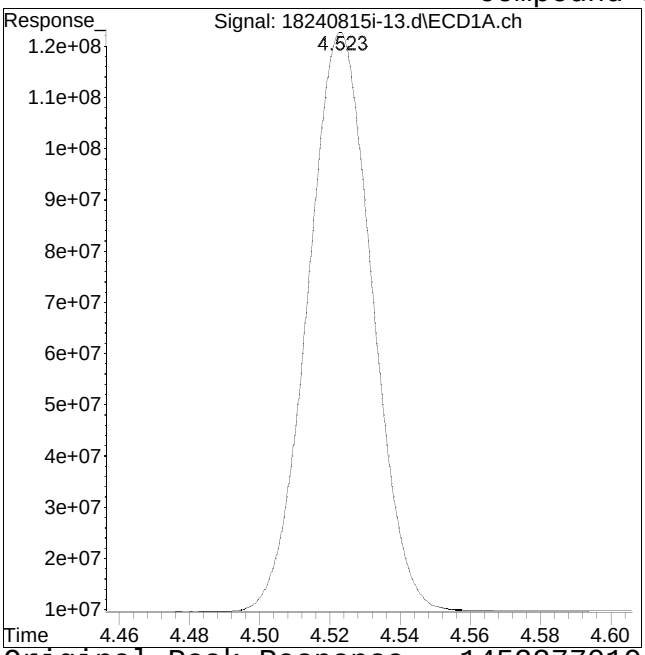
Manual Peak Response = 795200974 M4

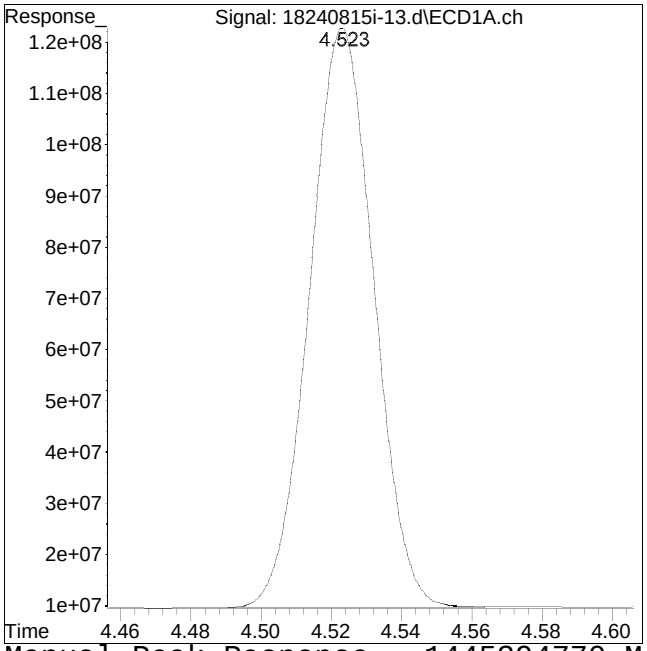
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #17: Dieldrin





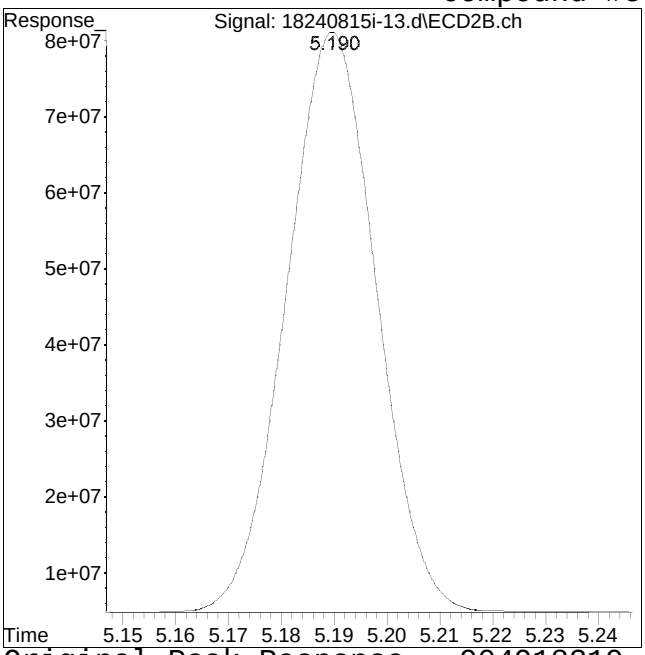
Original Peak Response = 1452277019 Manual Peak Response = 1445394770 M4
M4 = Poor automated baseline construction.

Manual Integration Report

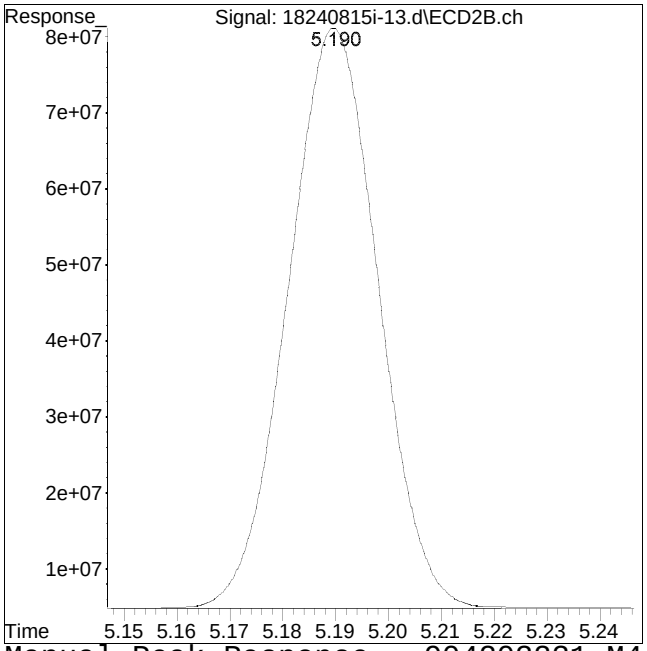
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-13.d
Date Inj'd : 8/15/2024 15:59
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:40 pm

Compound #55: Dieldrin #2



Original Peak Response = 904918319



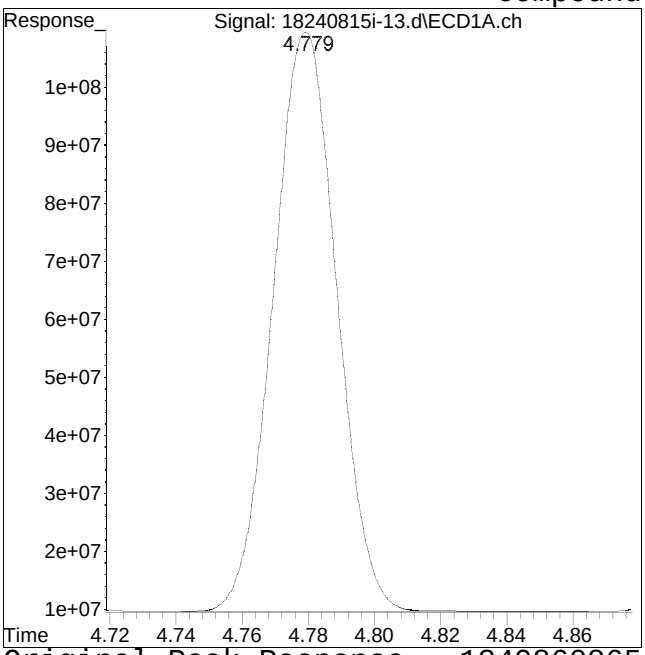
Manual Peak Response = 904203231 M4

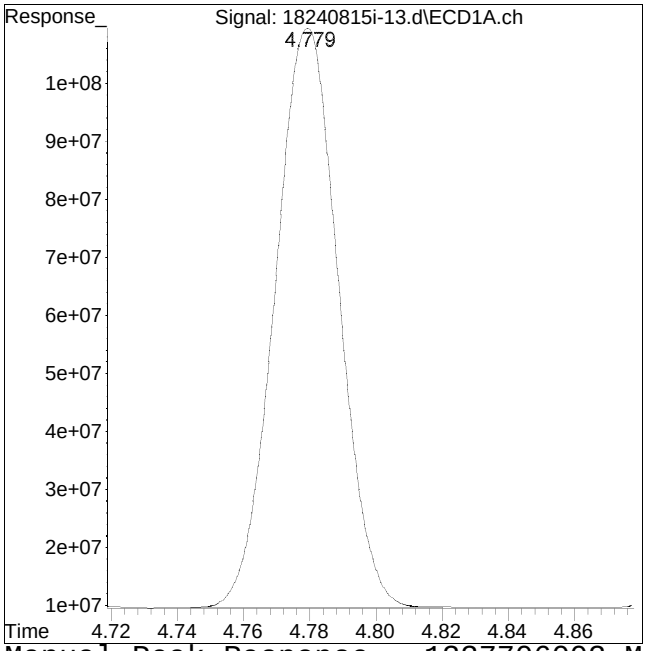
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #18: Endrin



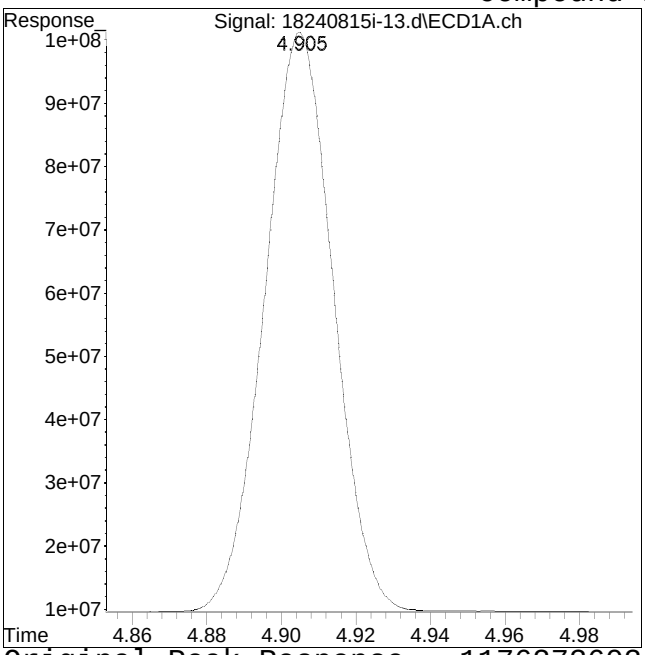


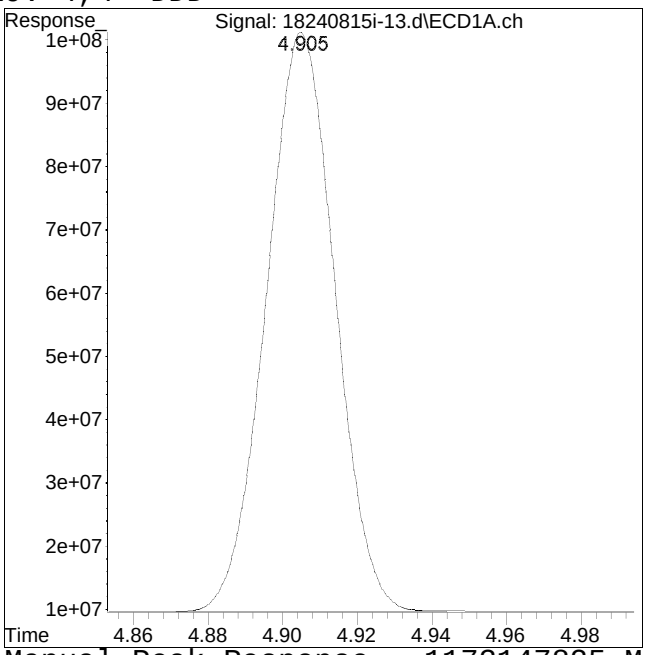
Original Peak Response = 1340860865 Manual Peak Response = 1337706003 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #19: 4,4'-DDD



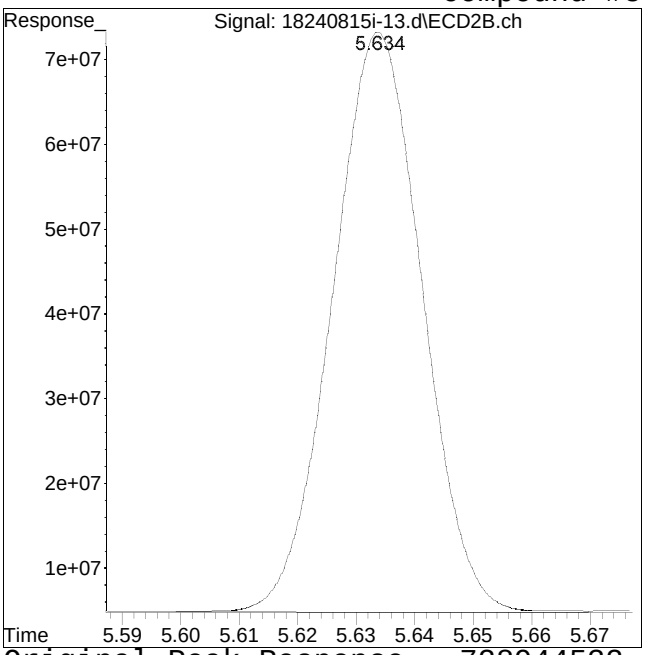


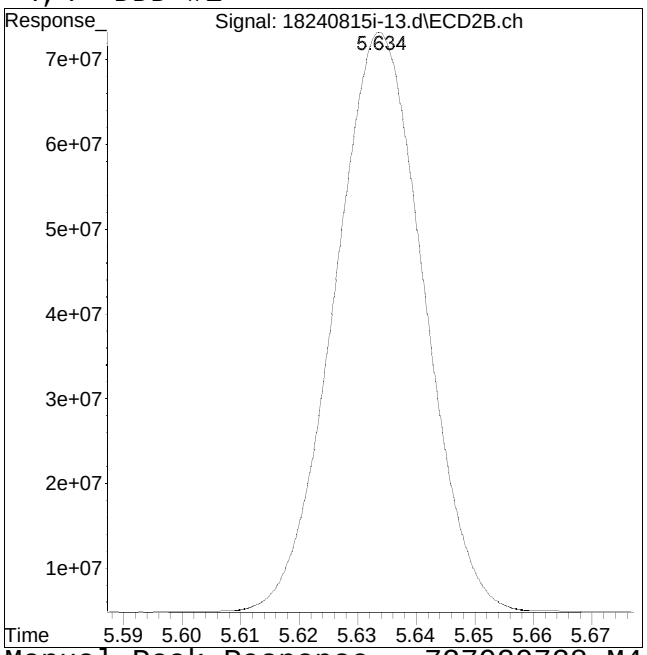
Original Peak Response = 1176273603 Manual Peak Response = 1173147825 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #57: 4,4'-DDD #2



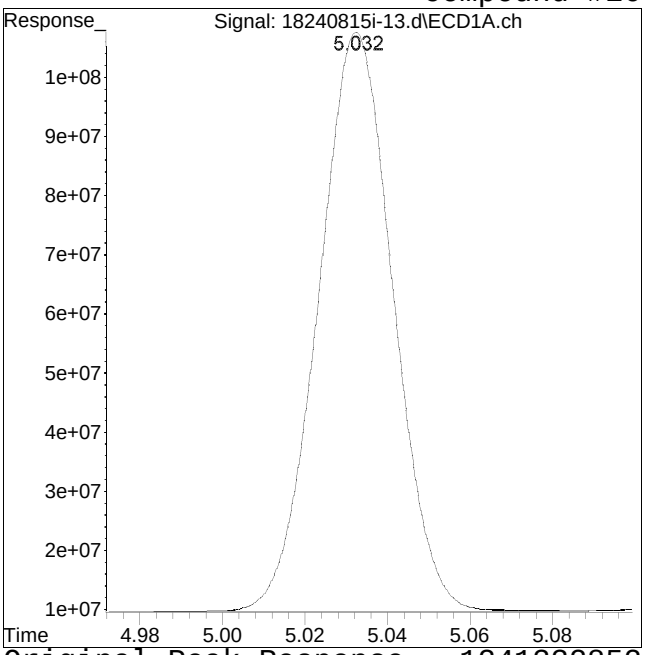


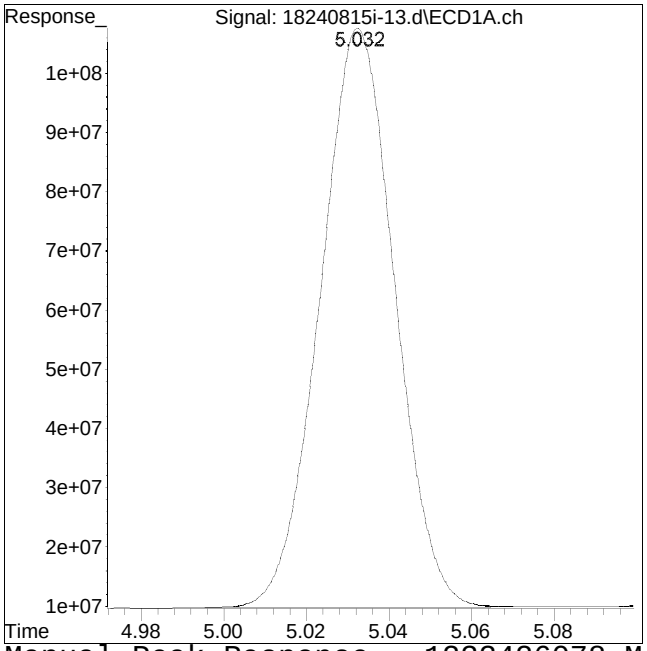
Original Peak Response = 728944532 Manual Peak Response = 727920728 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #20: Endosulfan II



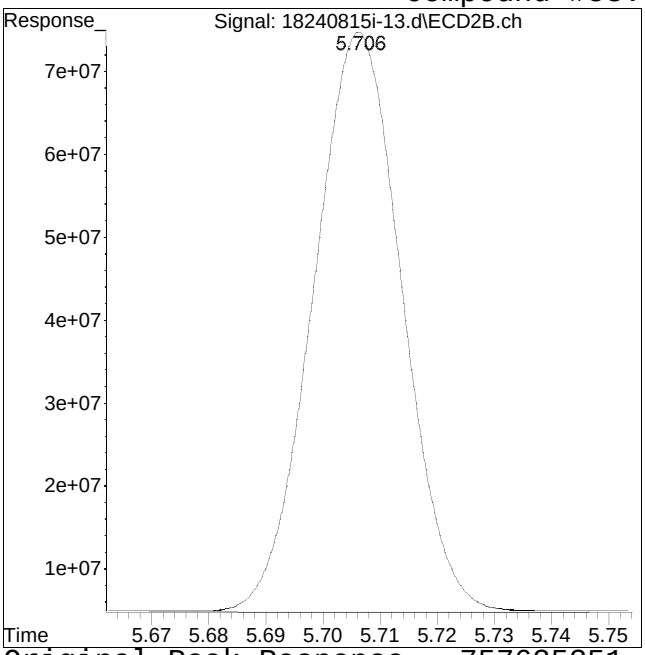


Original Peak Response = 1241332852 Manual Peak Response = 1233426078 M4
M4 = Poor automated baseline construction.

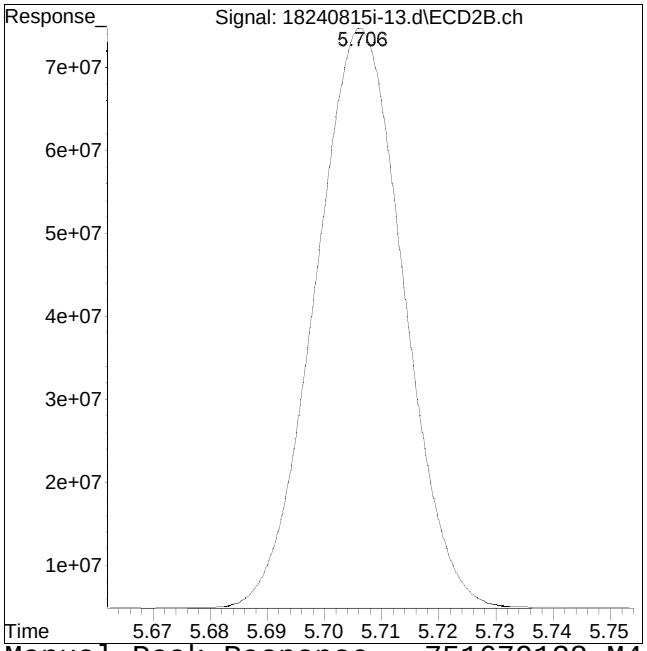
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #58: Endosulfan II #2



Original Peak Response = 757625351



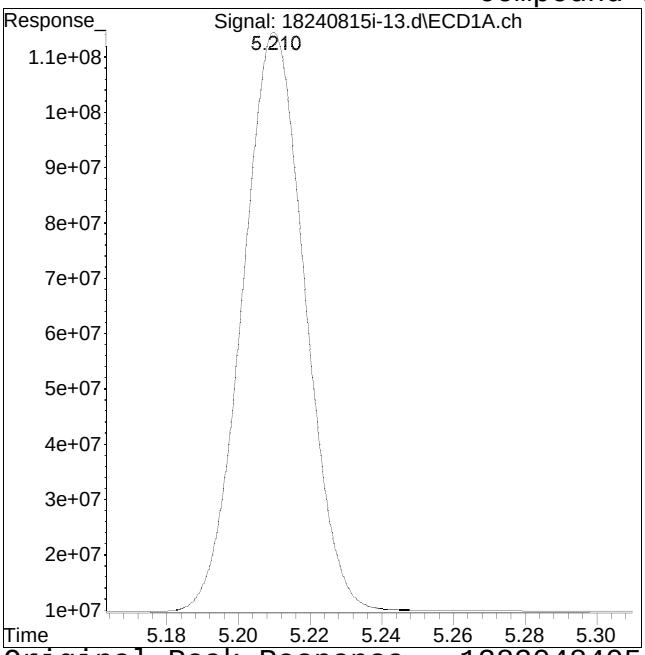
Manual Peak Response = 751679128 M4

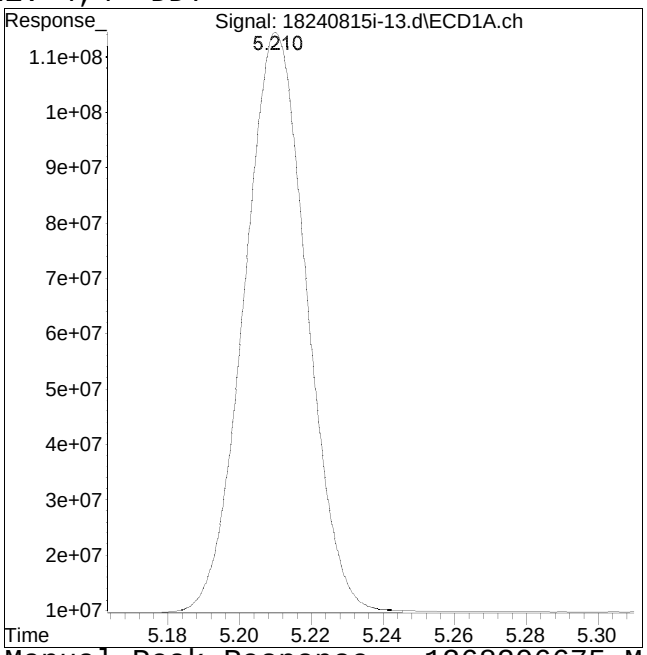
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #21: 4,4'-DDT



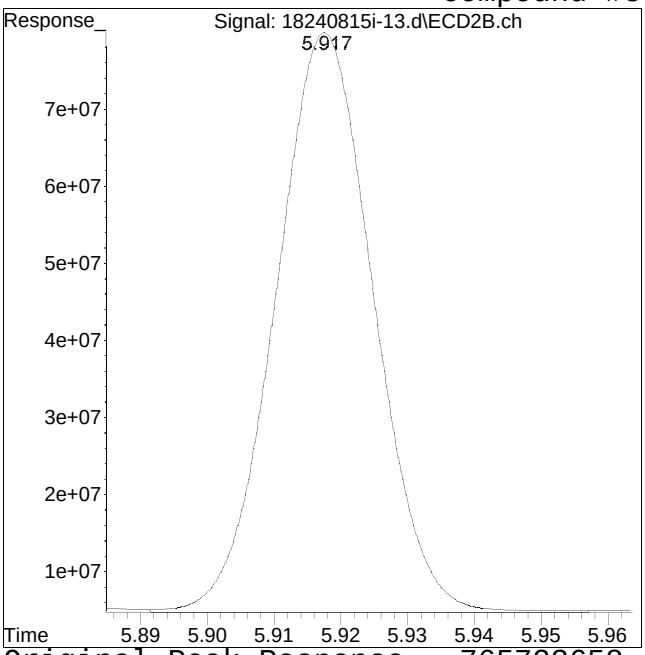


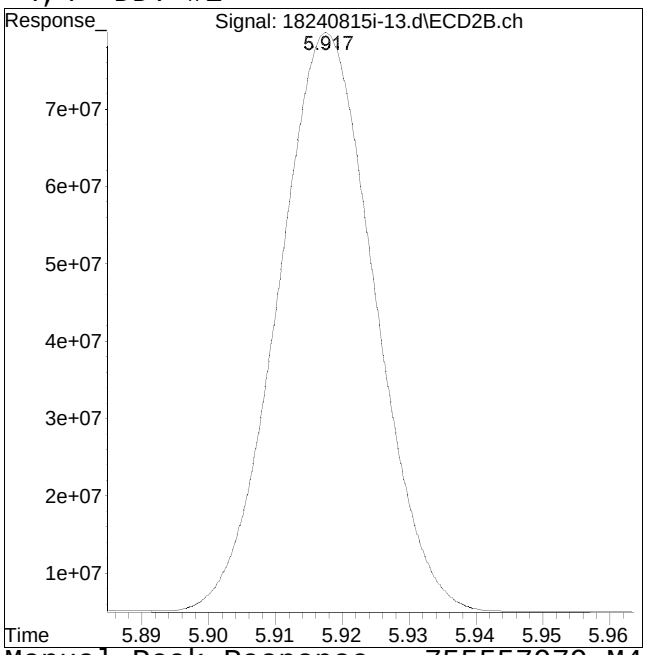
Original Peak Response = 1283048405 Manual Peak Response = 1268206675 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #59: 4,4'-DDT #2





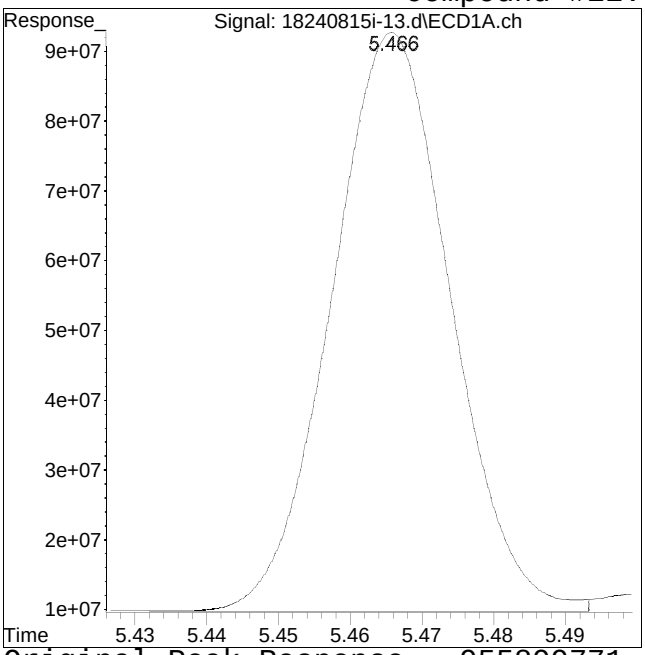
Original Peak Response = 765723658 Manual Peak Response = 755557979 M4
M4 = Poor automated baseline construction.

Manual Integration Report

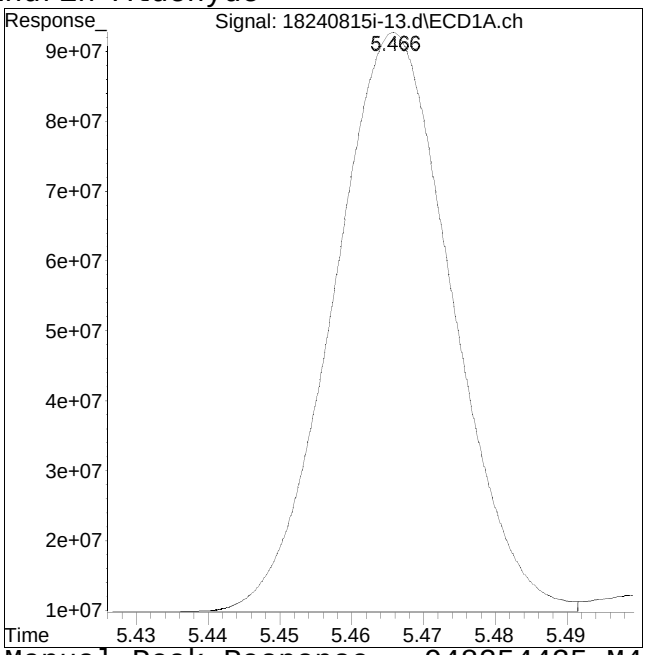
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-13.d
Date Inj'd : 8/15/2024 15:59
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:40 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 955899771



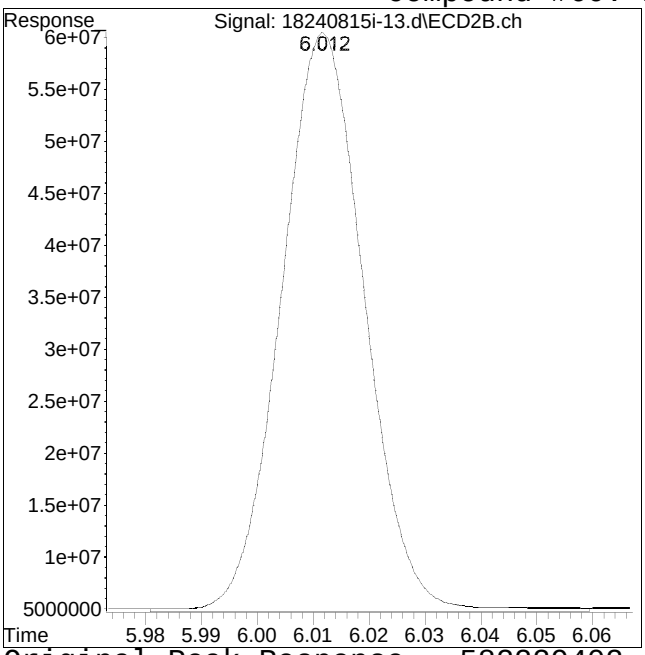
Manual Peak Response = 948354435 M4

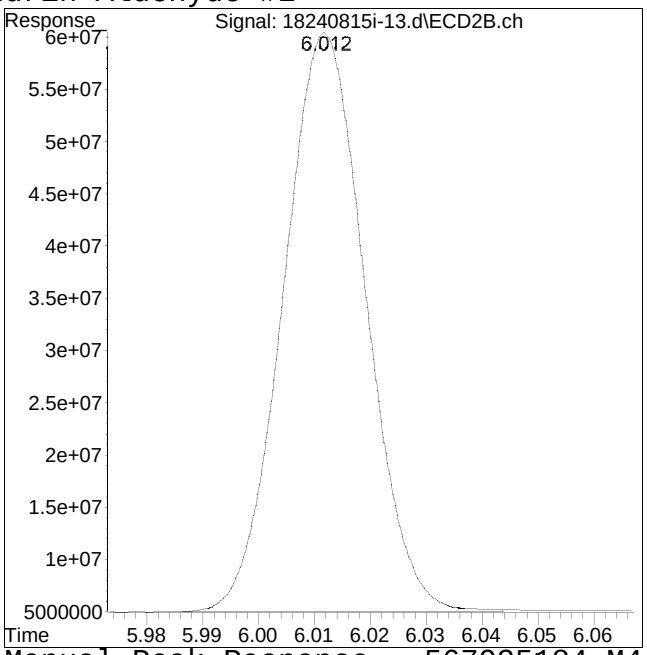
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #60: Endrin Aldehyde #2





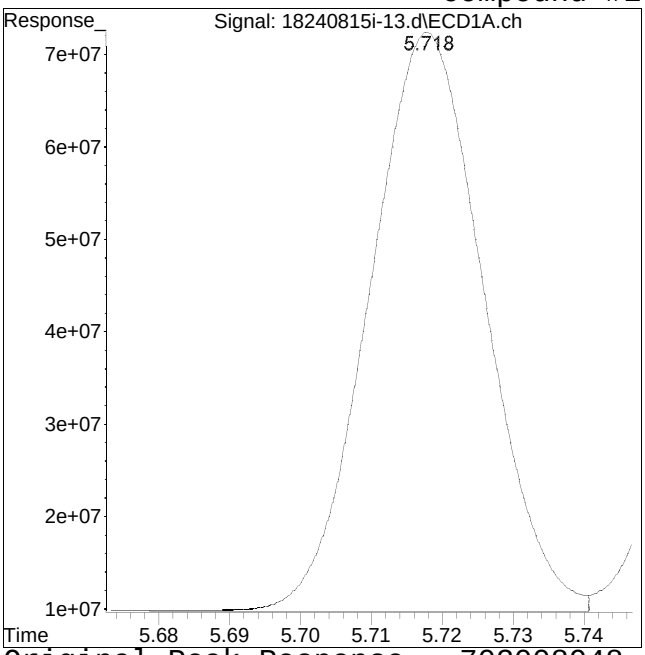
Original Peak Response = 582229402 Manual Peak Response = 567935184 M4
M4 = Poor automated baseline construction.

Manual Integration Report

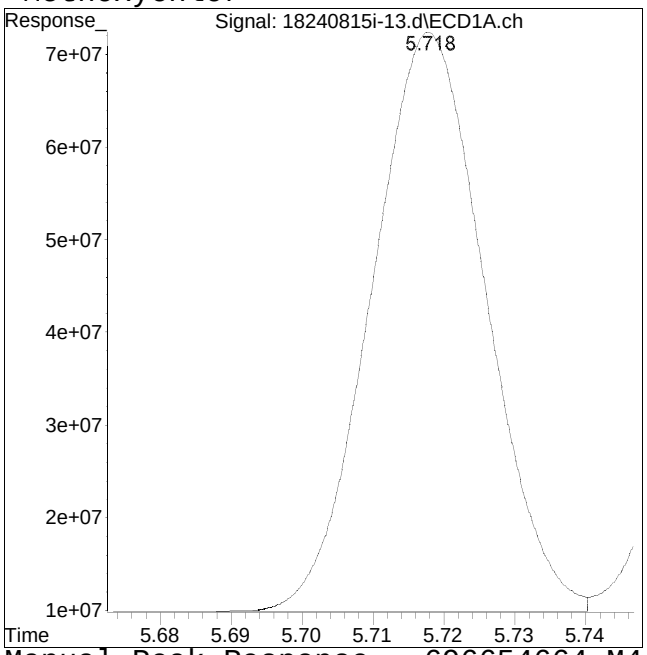
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-13.d
Date Inj'd : 8/15/2024 15:59
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:40 pm

Compound #23: Methoxychlor



Original Peak Response = 703008948



Manual Peak Response = 696654664 M4

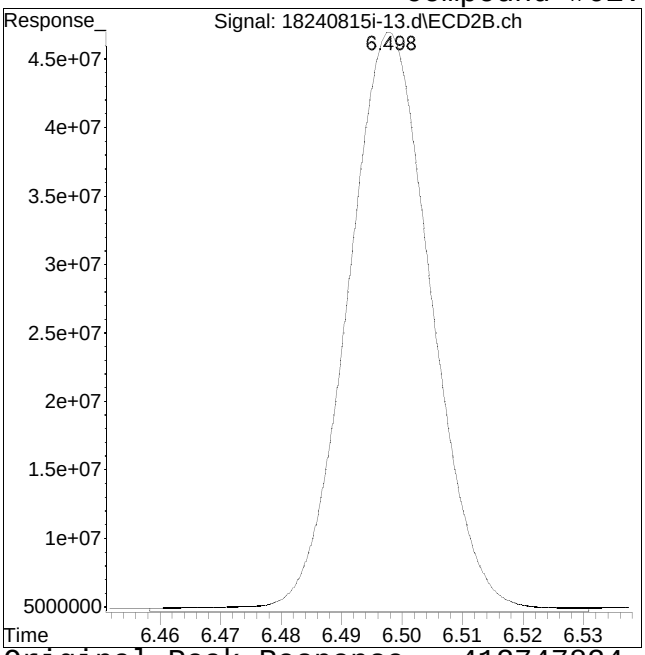
M4 = Poor automated baseline construction.

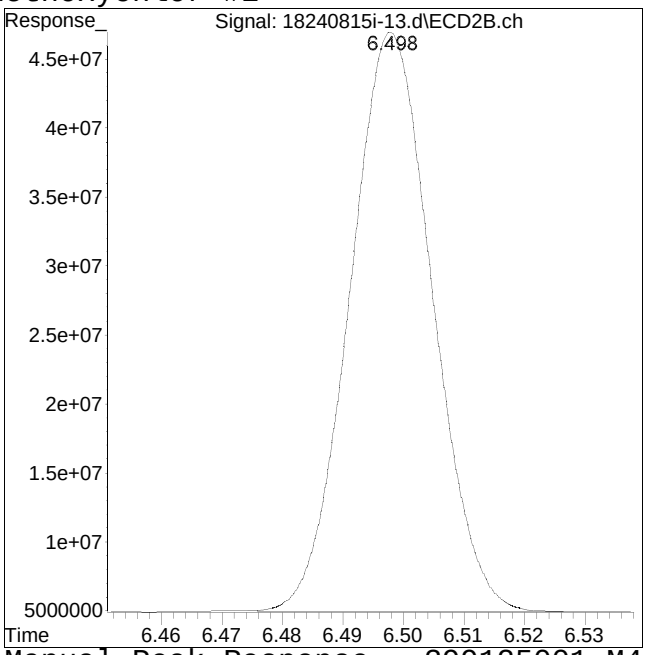
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-13.d
Date Inj'd : 8/15/2024 15:59
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:40 pm

Compound #61: Methoxychlor #2



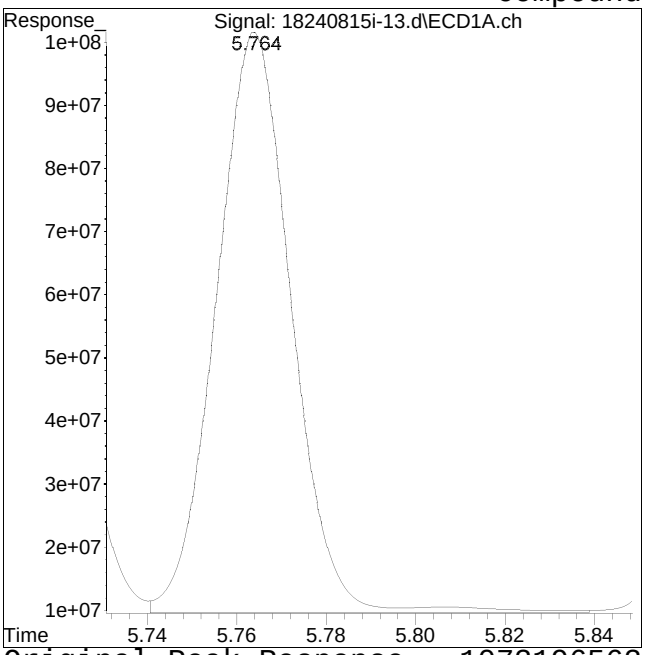


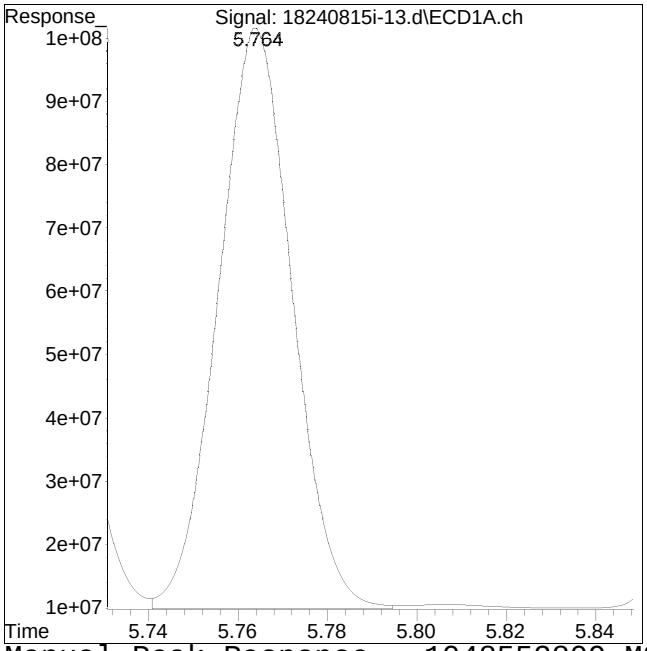
Original Peak Response = 412747824 Manual Peak Response = 399125001 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #24: Mirex



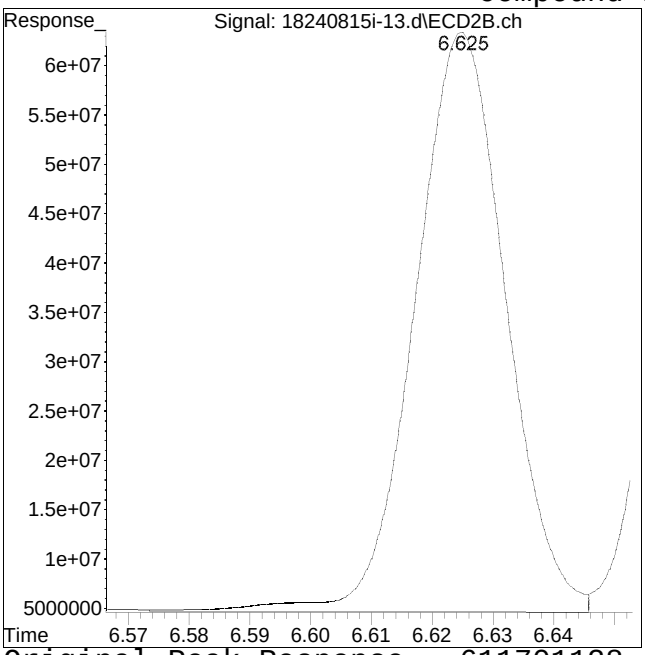


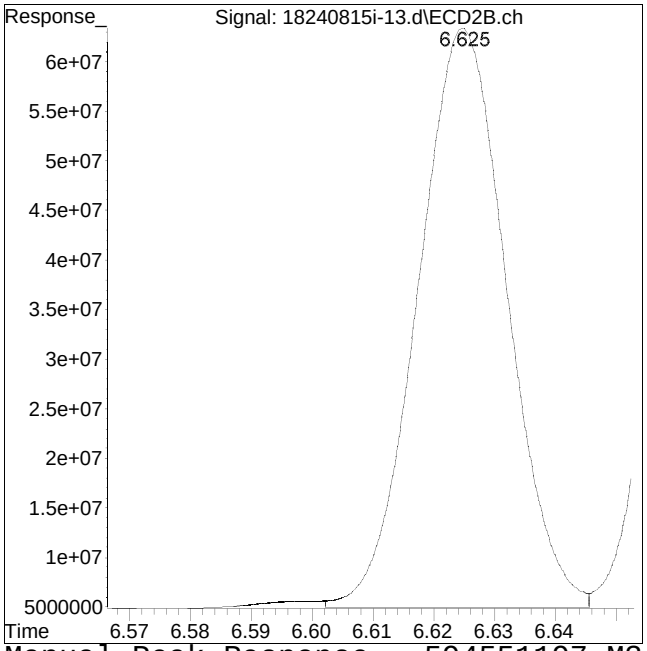
Original Peak Response = 1073196563 Manual Peak Response = 1048552809 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #62: Mirex #2



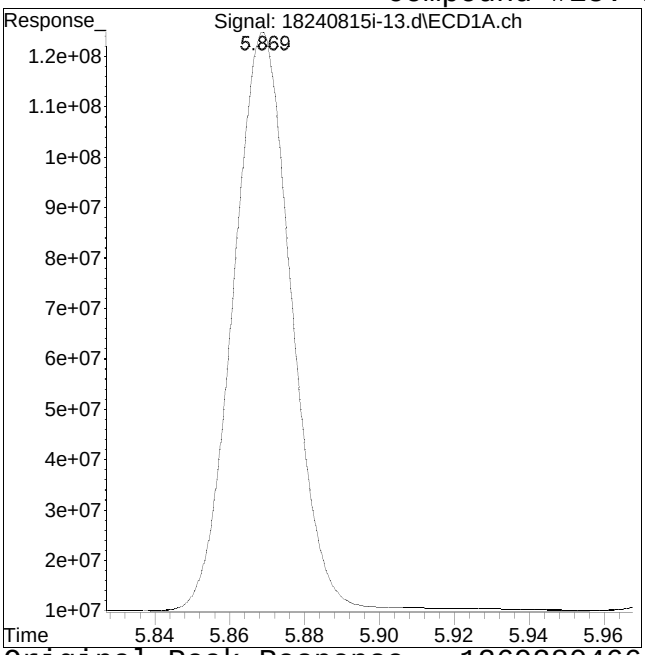


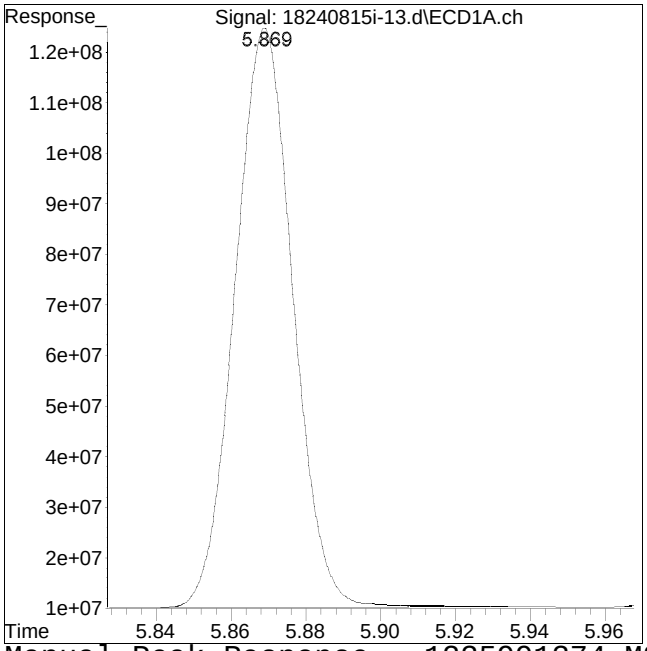
Original Peak Response = 611701128 Manual Peak Response = 594551197 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #25: Endosulfan Sulfate



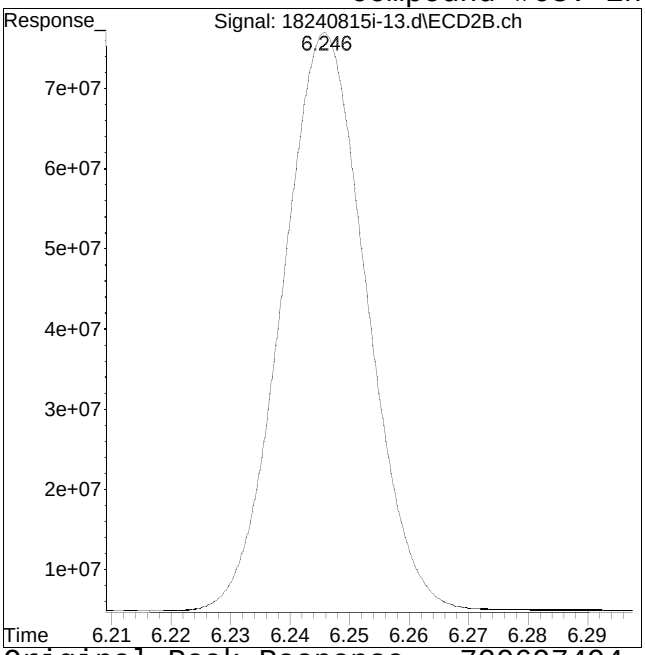


Original Peak Response = 1269280466 Manual Peak Response = 1235991374 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

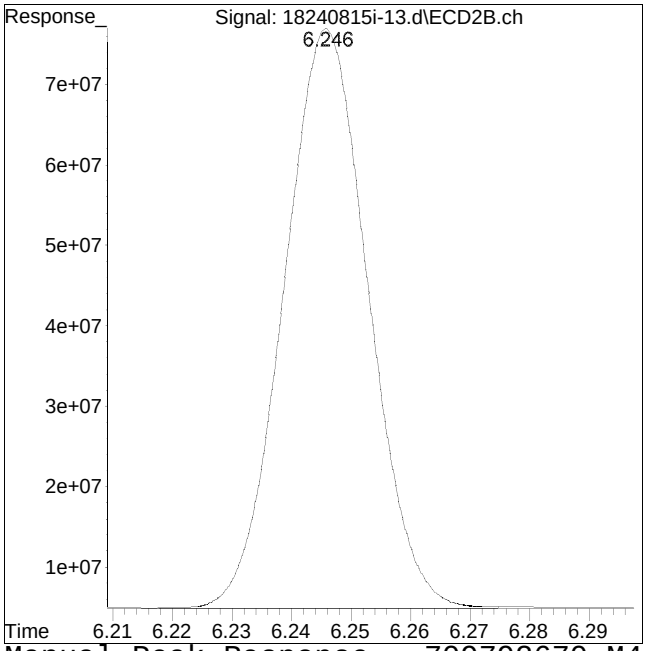
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 720697494



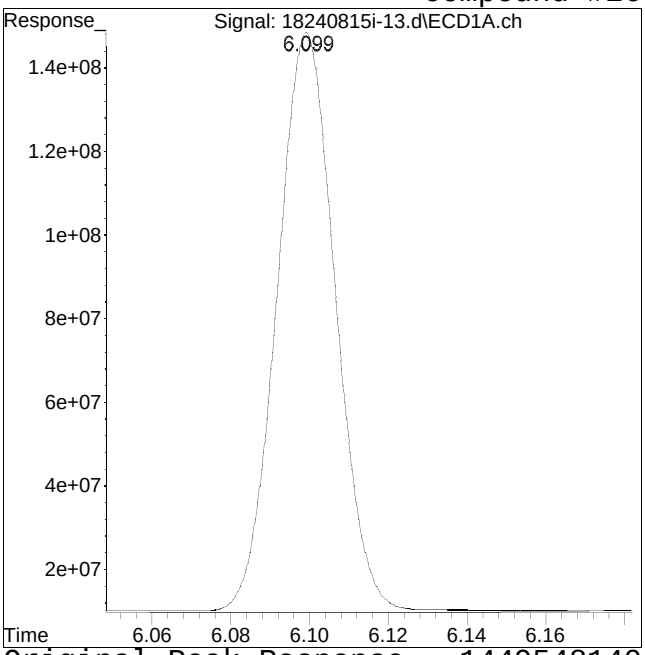
Manual Peak Response = 709792670 M4

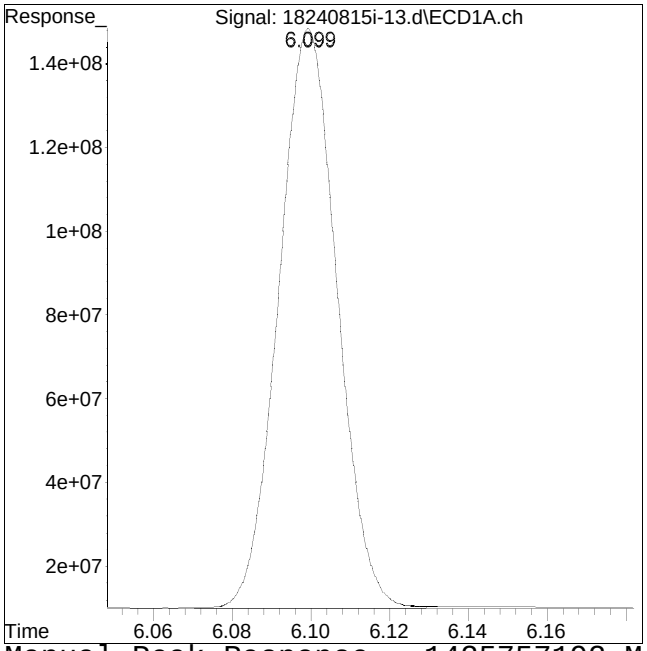
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #26: Endrin Ketone



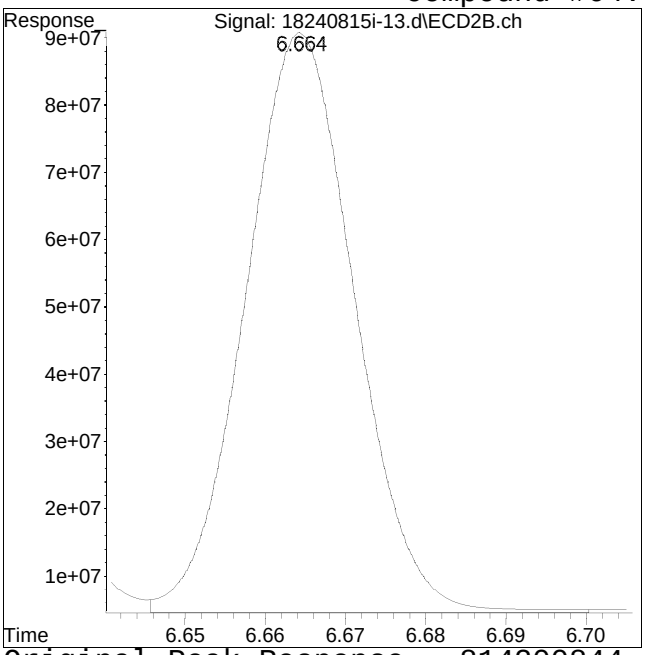


Original Peak Response = 1449548140 Manual Peak Response = 1425757192 M4
M4 = Poor automated baseline construction.

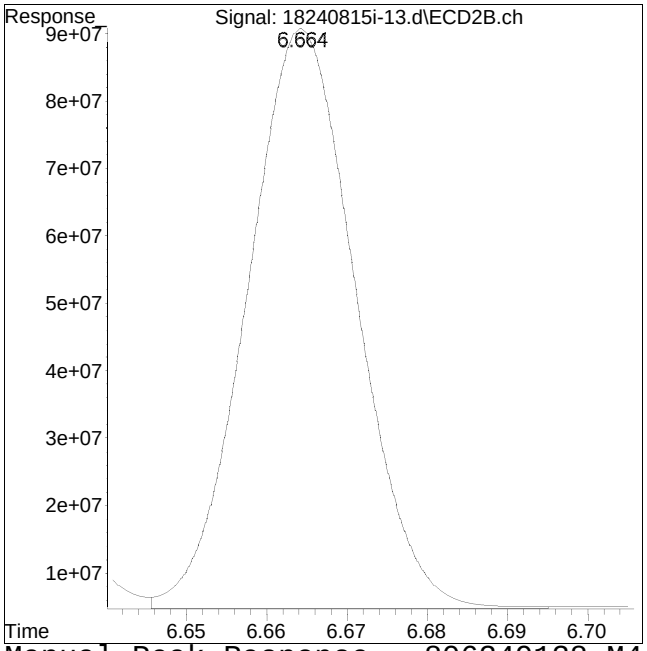
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 814200844



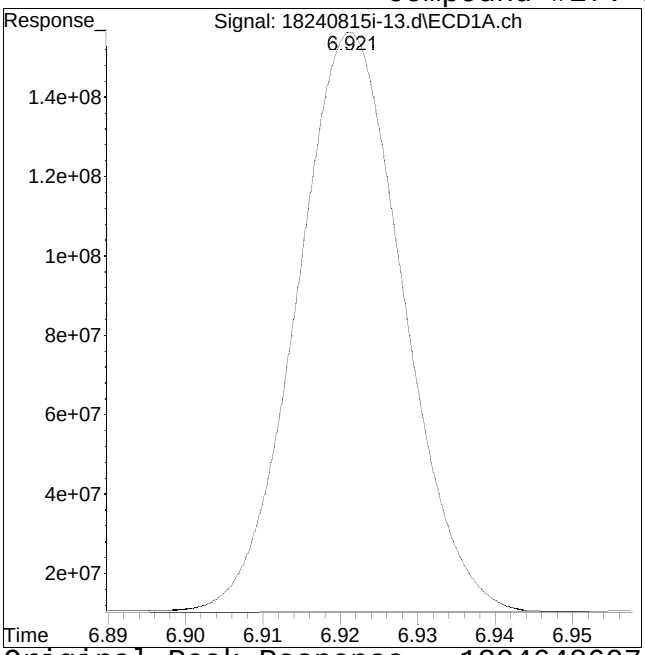
Manual Peak Response = 806349138 M4

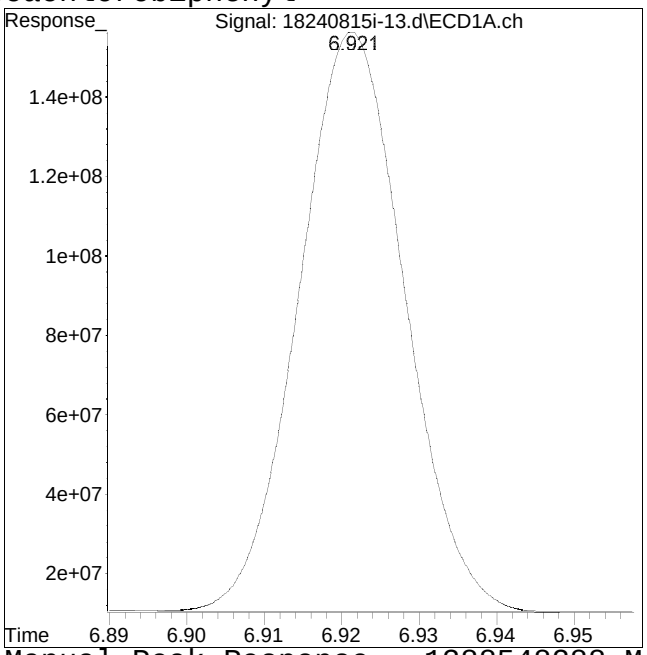
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-13.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 15:59 Instrument : Pest 18
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/20/2024 12:40 pm

Compound #27: Decachlorobiphenyl





Original Peak Response = 1394648607 Manual Peak Response = 1388548288 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:11
Operator : PEST18:peg
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:13:36 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.683	1.784	546.6E6	341.1E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:11
Operator : PEST18:peg
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:13:36 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.053	3.347	19932995	6531862	11.727M3	11.589
30)	l1	chlordane-3	3.423	3.962	12469218	7251263	11.430M3	11.621
31)	l1	chlordane-4	3.988	4.647	44966068	24596368	11.658M4	10.965
32)	l1	chlordane-5	4.118	4.821	68754416	19967314	11.639M3	11.204
		Sum chlordane-1			146.1E6	58346807	N.D.	N.D. D
		Average chlordane-1					11.614	11.345
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

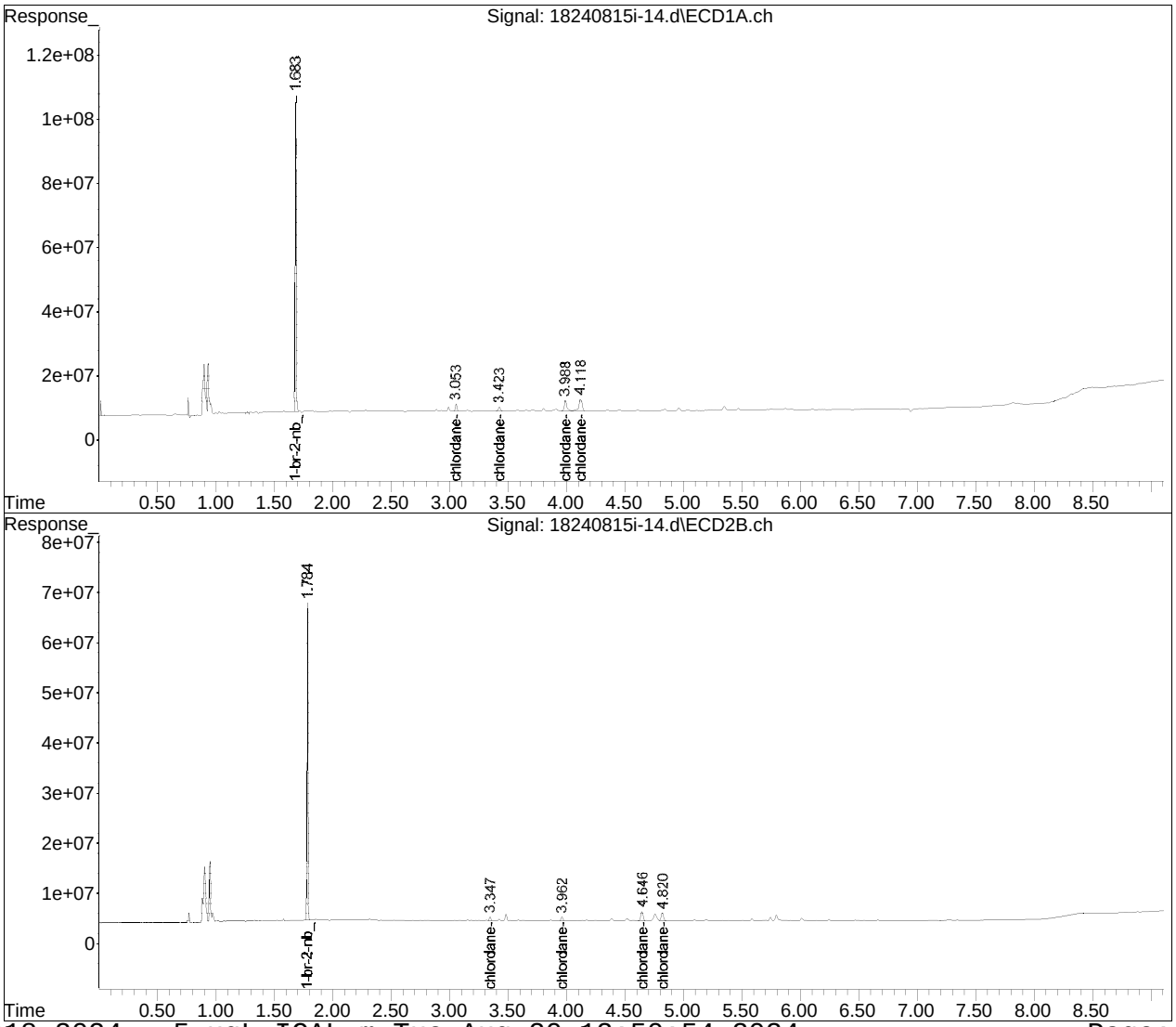
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:11
Operator : PEST18:peg
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:13:36 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

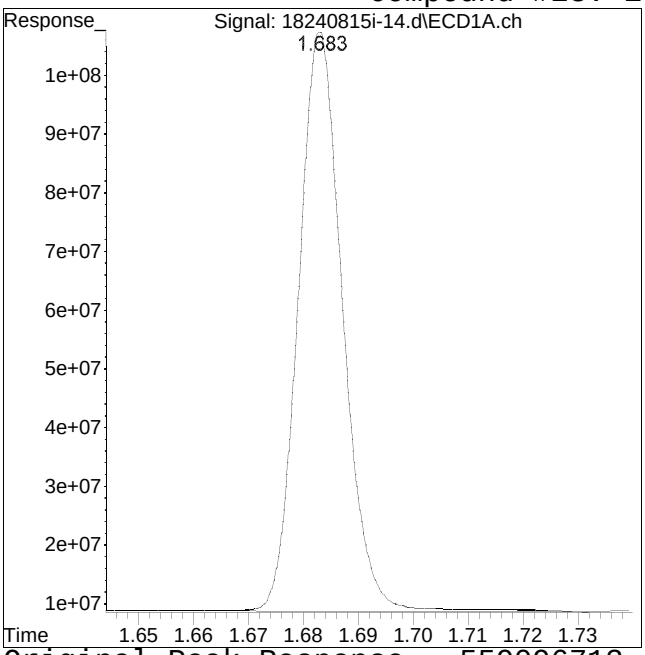
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

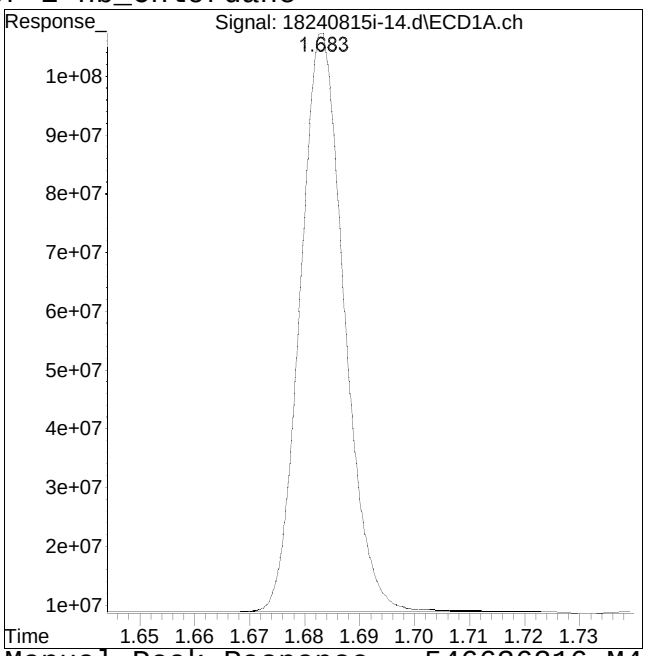


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-14.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:11 Instrument : Pest 18
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 8/20/2024 12:13 pm

Compound #28: 1-br-2-nb_Chlordane



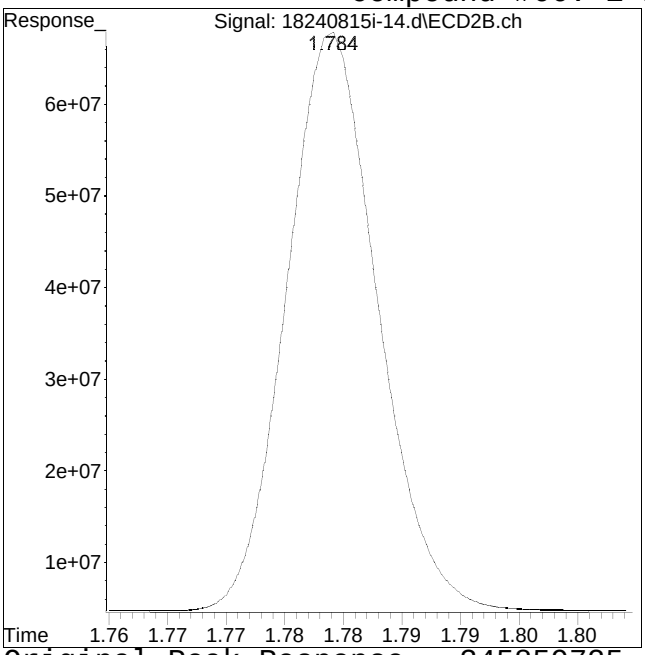


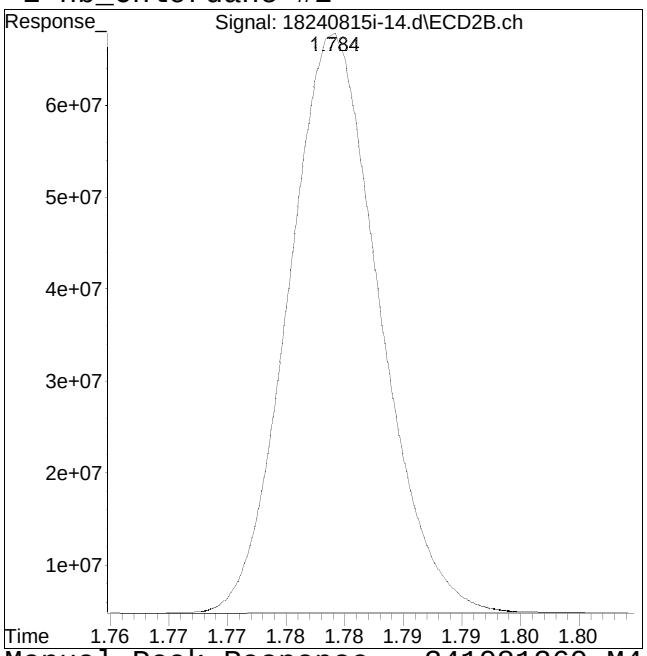
Original Peak Response = 559096713 Manual Peak Response = 546636216 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-14.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:11 Instrument : Pest 18
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 8/20/2024 12:13 pm

Compound #66: 1-br-2-nb_Chlordane #2



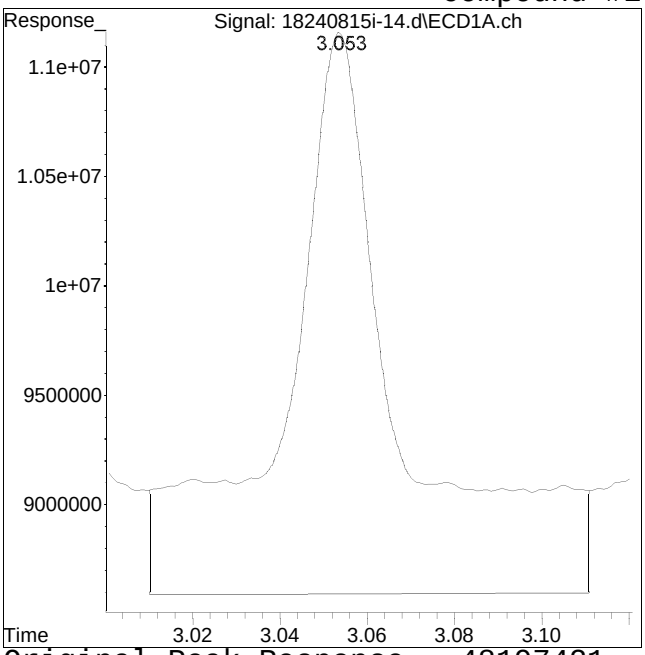


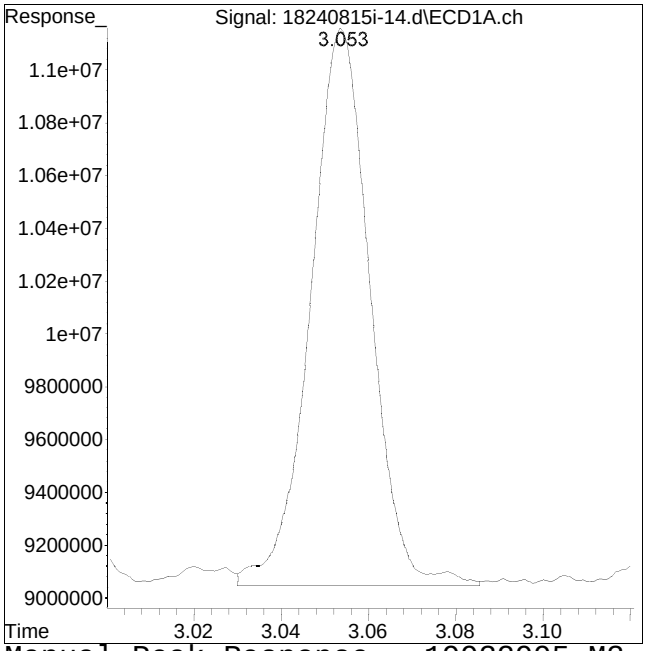
Original Peak Response = 345859725 Manual Peak Response = 341081260 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-14.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:11 Instrument : Pest 18
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 8/20/2024 12:13 pm

Compound #29: chlordane-1



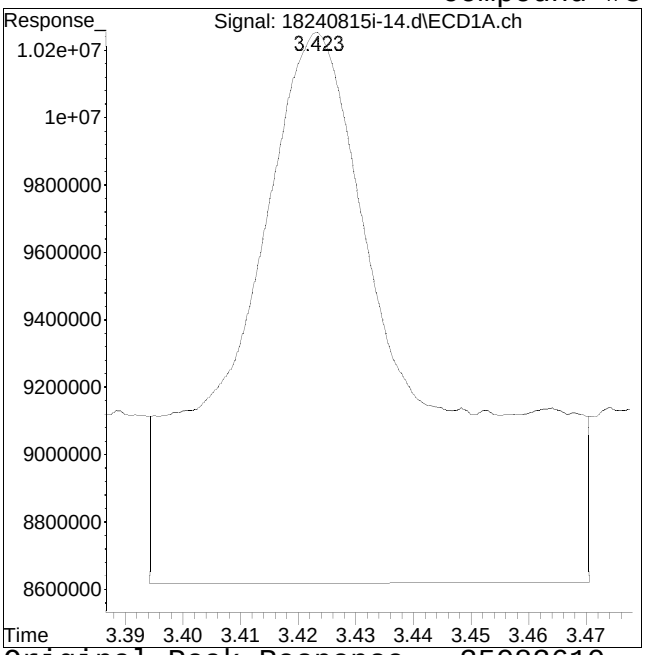


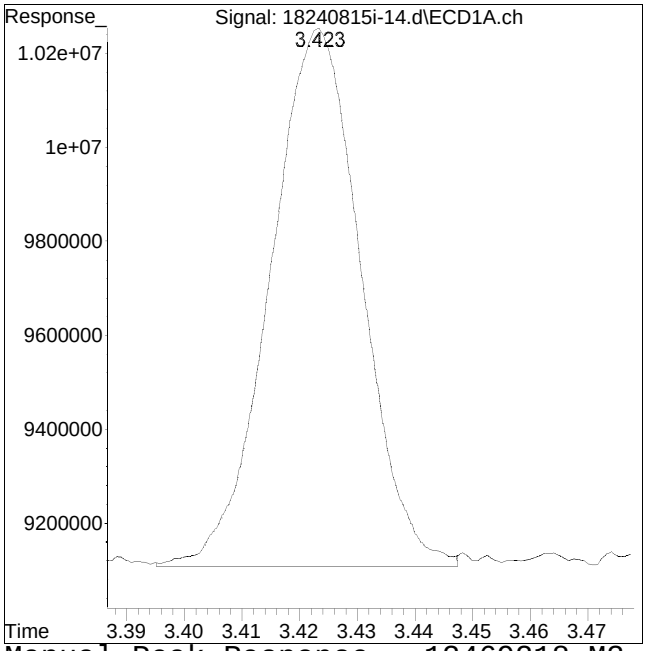
Original Peak Response = 48197421 Manual Peak Response = 19932995 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-14.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:11 Instrument : Pest 18
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 8/20/2024 12:13 pm

Compound #30: chlordane-3



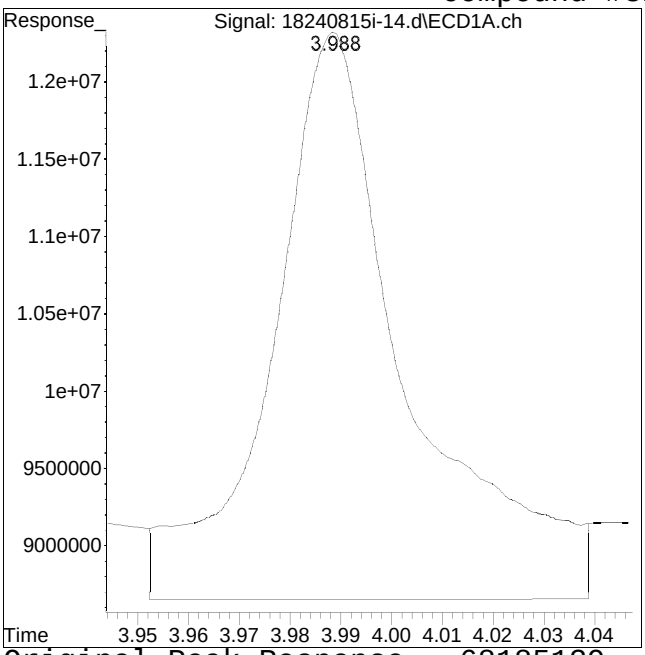


Original Peak Response = 35083610 Manual Peak Response = 12469218 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

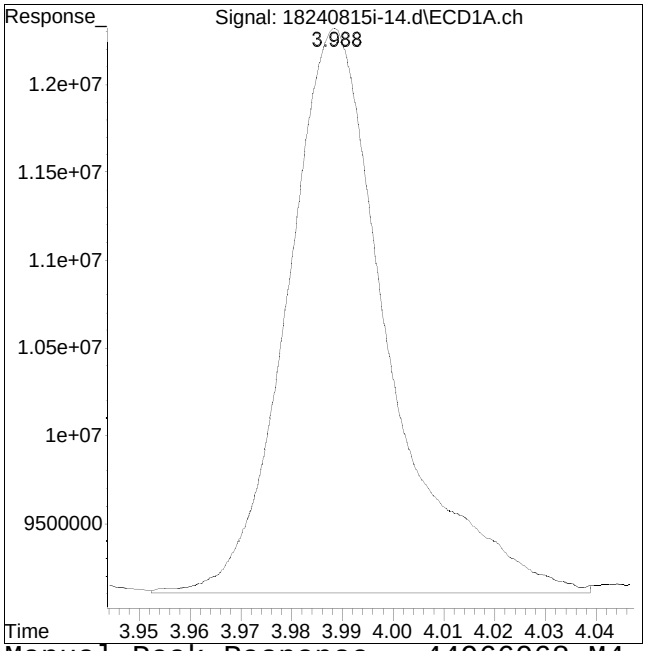
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-14.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:11 Instrument : Pest 18
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 8/20/2024 12:13 pm

Compound #31: chlordane-4



Original Peak Response = 68185139



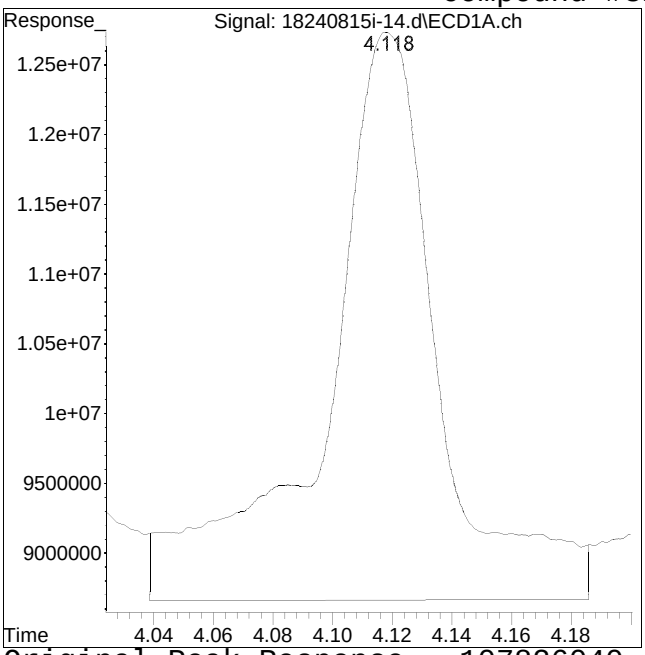
Manual Peak Response = 44966068 M4

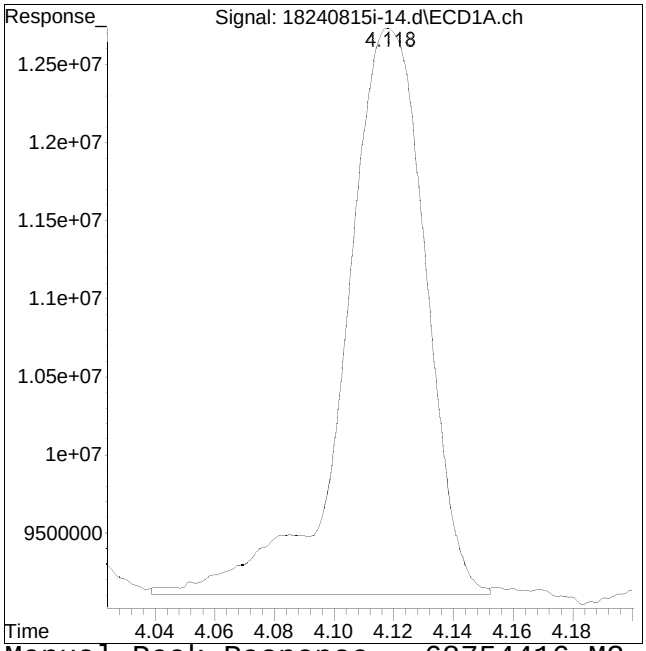
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-14.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:11 Instrument : Pest 18
Sample : il3chlor,42e,,pp 11694 L0.Quant Date : 8/20/2024 12:13 pm

Compound #32: chlordane-5





Original Peak Response = 107826040 Manual Peak Response = 68754416 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-15.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:22
Operator : PEST18:peg
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:13:47 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.683	1.784	559.3E6	347.1E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-15.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:22
Operator : PEST18:peg
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:13:47 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	3.053	3.347	38731393	12242219	22.271M4	21.345
30) l1	chlordane-3	3.422	3.962	26064029	14721138	23.351M4	23.185
31) l1	chlordane-4	3.988	4.646	88899765	48562014	22.527M4	21.273
32) l1	chlordane-5	4.117	4.821	135.0E6	39327903	22.333M3	21.686
Sum	chlordane-1			288.7E6	114.9E6	N.D.	N.D. D
Average	chlordane-1					22.621	21.872
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

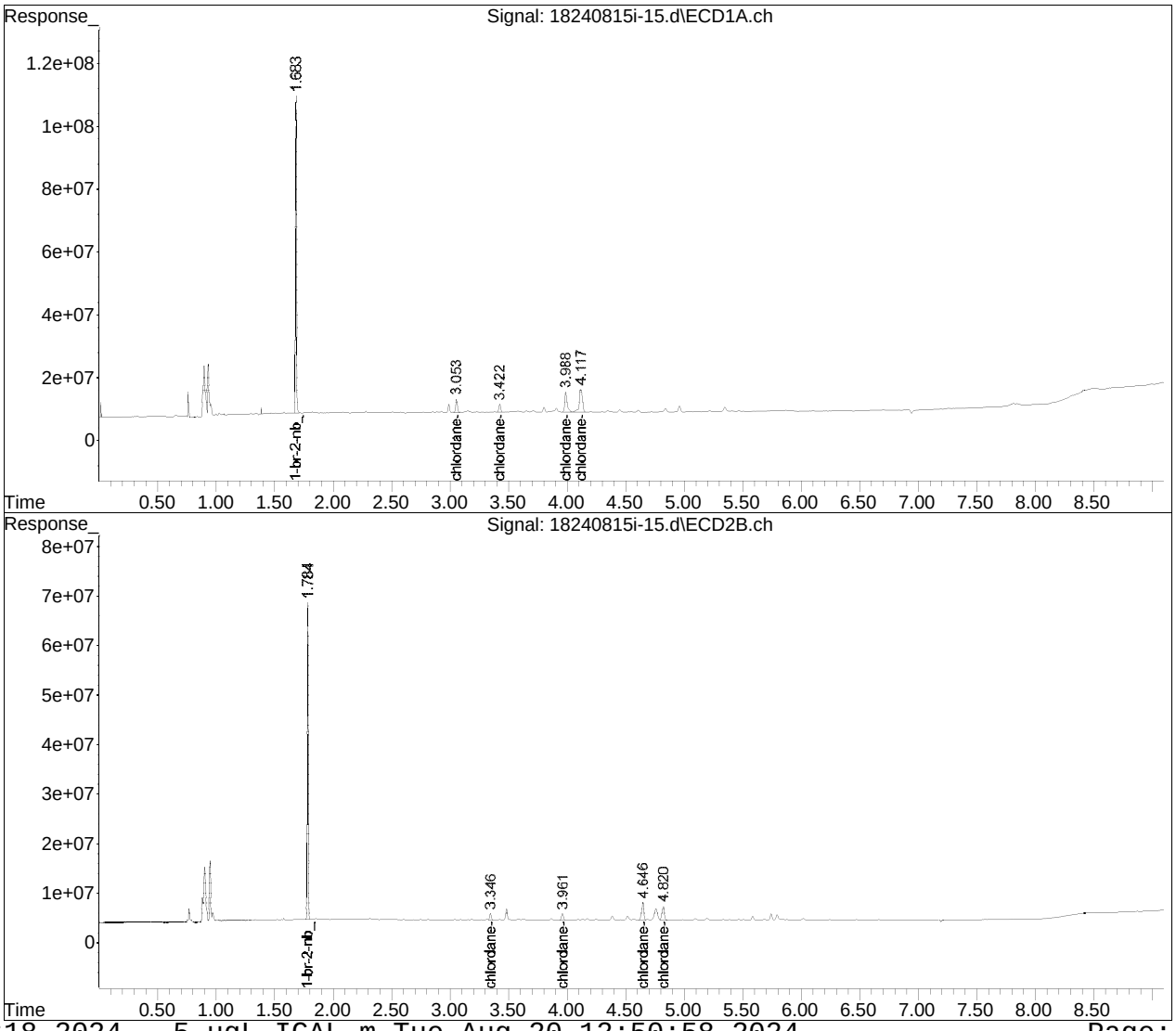
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-15.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:22
Operator : PEST18:peg
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:13:47 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

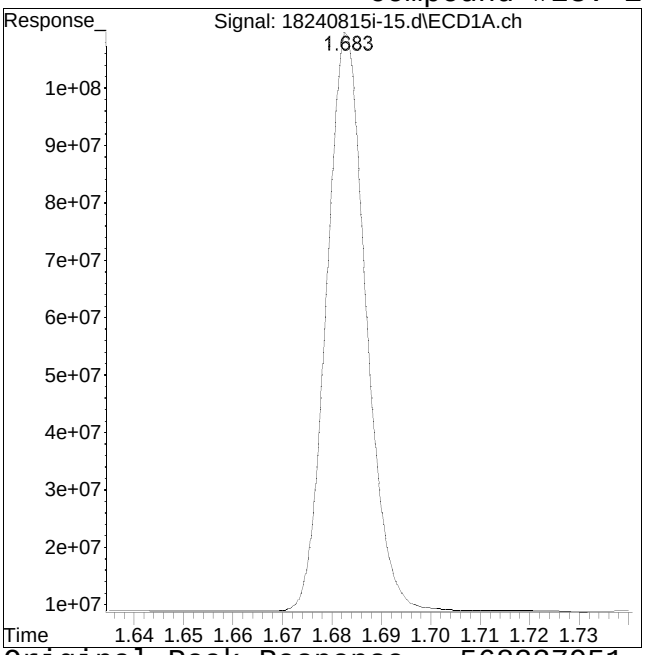
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

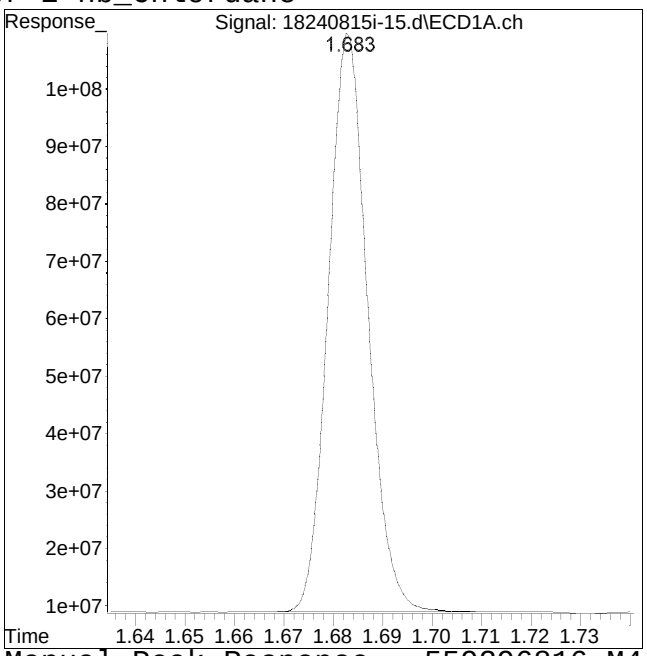


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-15.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:22 Instrument : Pest 18
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/20/2024 12:13 pm

Compound #28: 1-br-2-nb_Chlordane



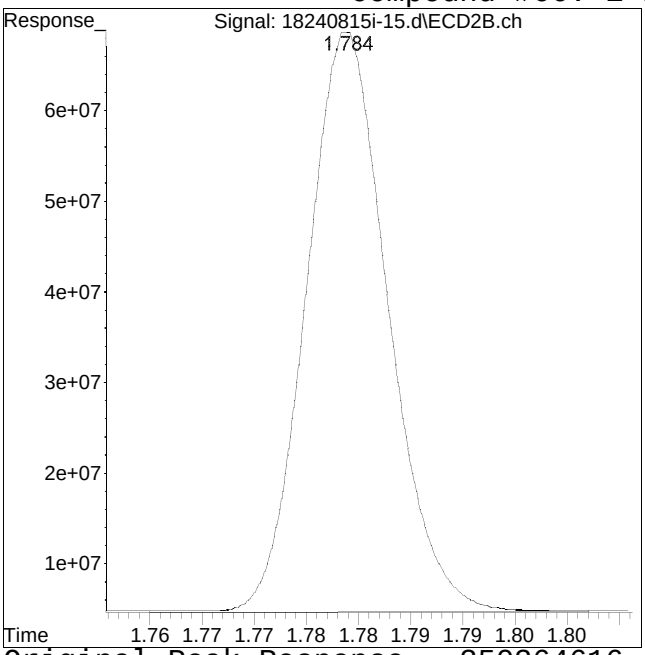


Original Peak Response = 568337951 Manual Peak Response = 559296816 M4
M4 = Poor automated baseline construction.

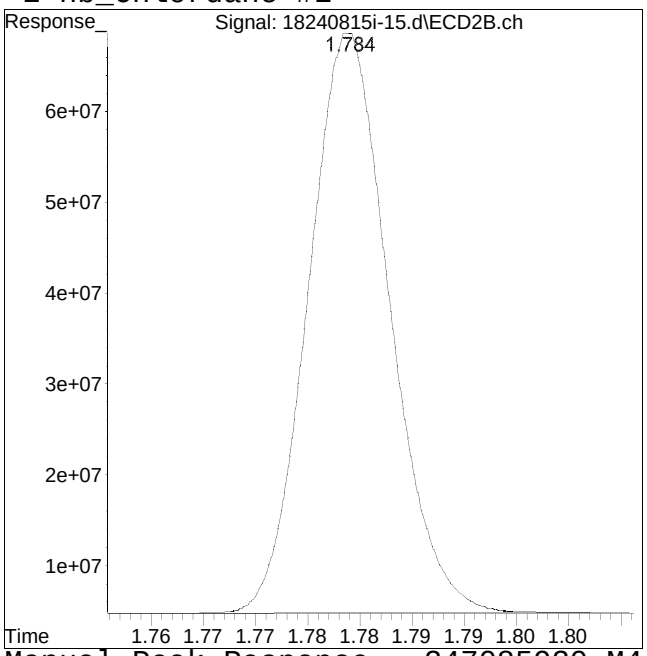
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-15.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:22 Instrument : Pest 18
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/20/2024 12:13 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 350364616



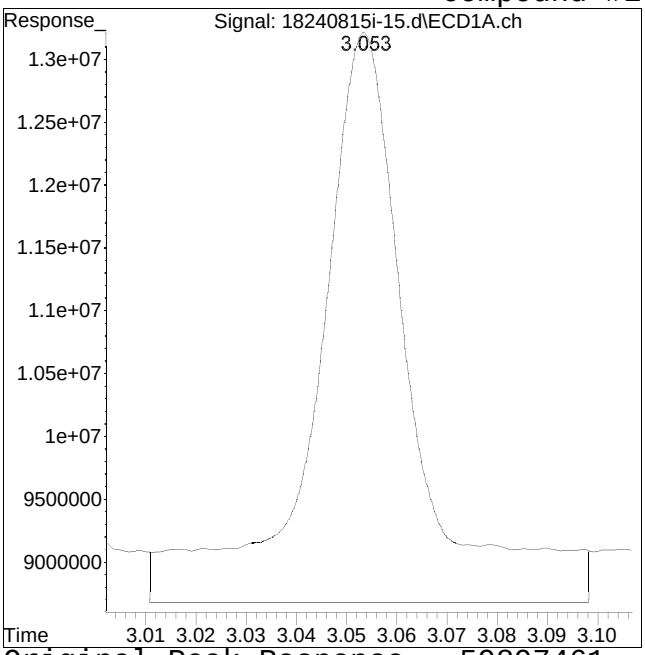
Manual Peak Response = 347085930 M4

M4 = Poor automated baseline construction.

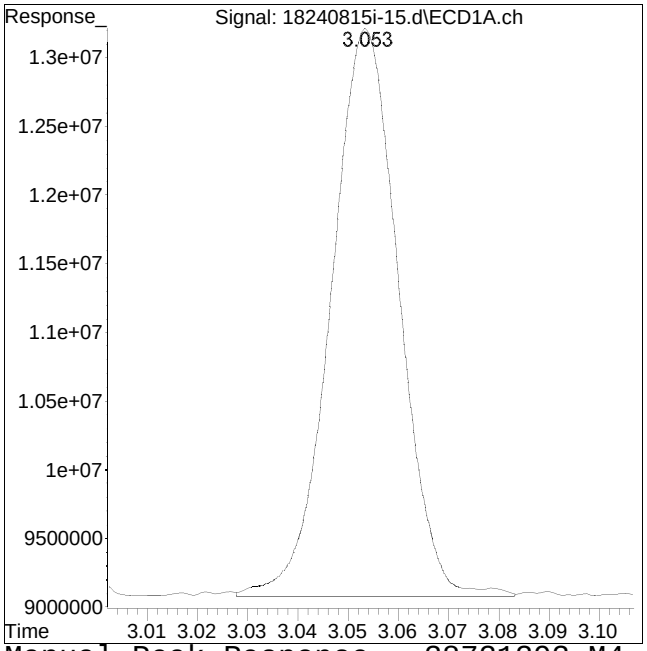
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-15.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:22 Instrument : Pest 18
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/20/2024 12:13 pm

Compound #29: chlordane-1



Original Peak Response = 59897461



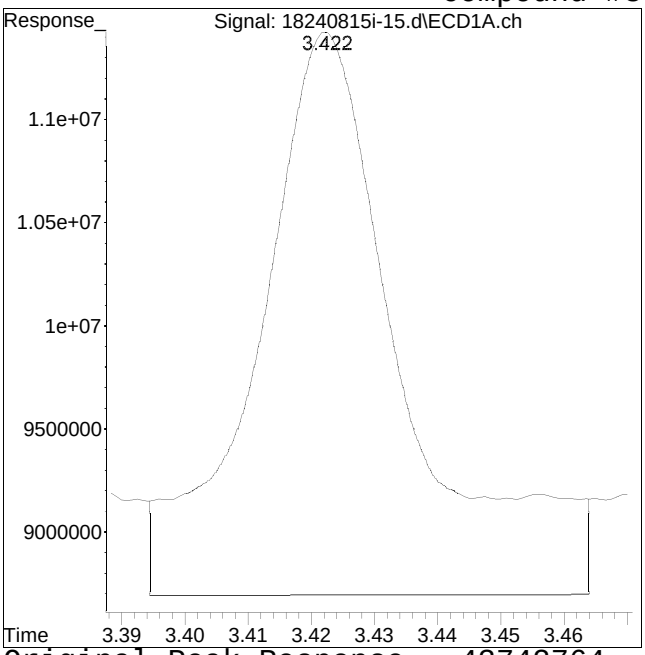
Manual Peak Response = 38731393 M4

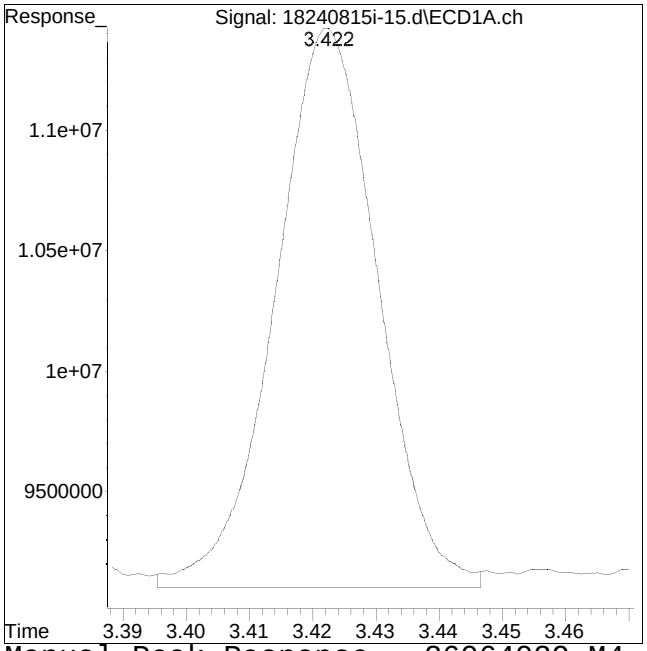
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-15.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:22 Instrument : Pest 18
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/20/2024 12:13 pm

Compound #30: chlordane-3



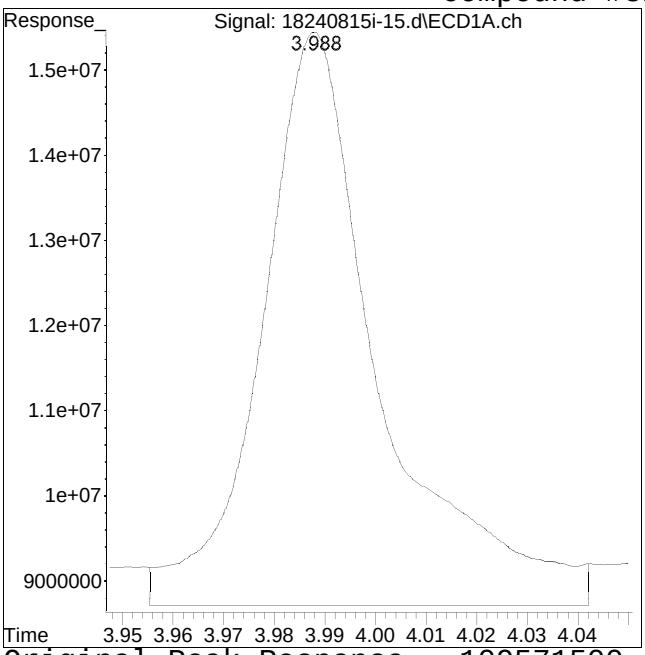


Original Peak Response = 43742764 Manual Peak Response = 26064029 M4
M4 = Poor automated baseline construction.

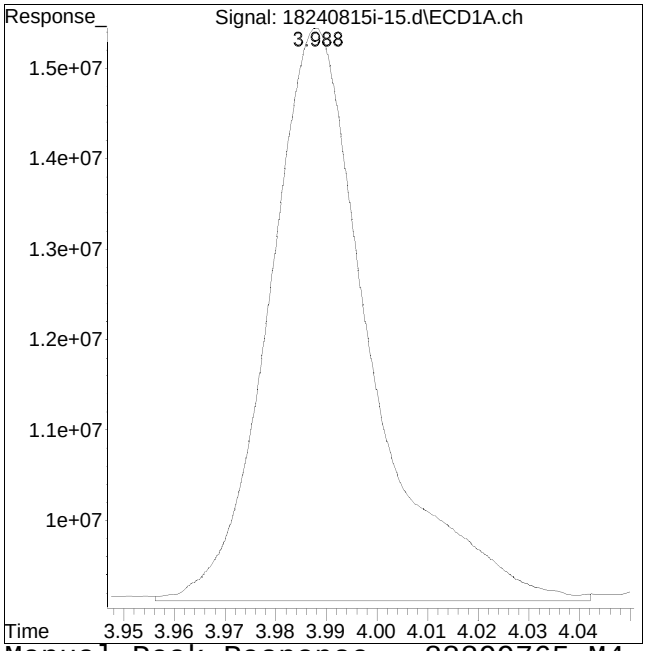
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-15.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:22 Instrument : Pest 18
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/20/2024 12:13 pm

Compound #31: chlordane-4



Original Peak Response = 109571500



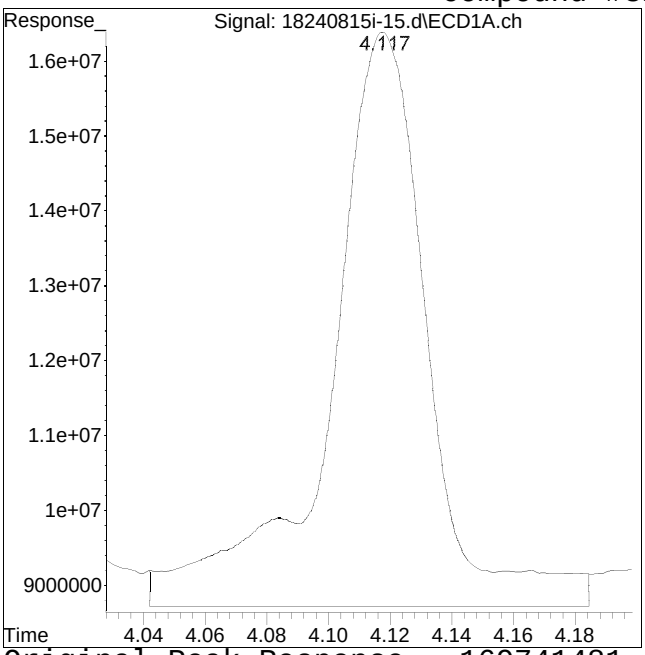
Manual Peak Response = 88899765 M4

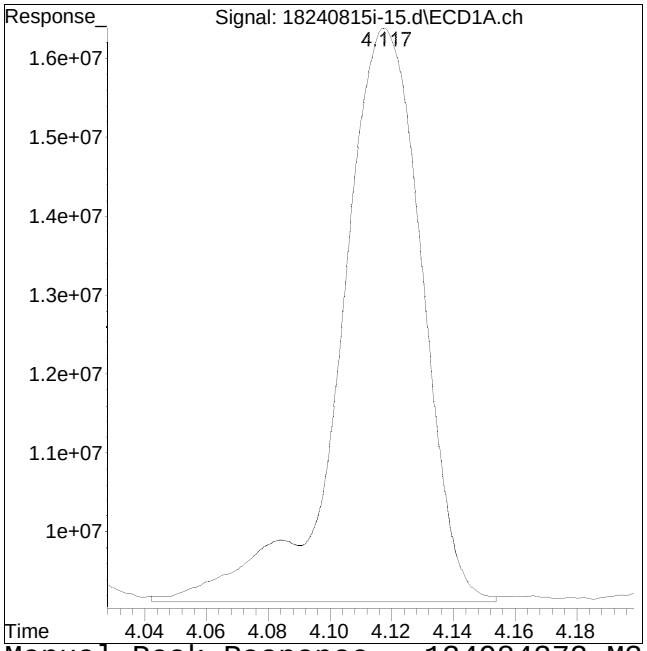
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-15.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:22 Instrument : Pest 18
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/20/2024 12:13 pm

Compound #32: chlordane-5





Original Peak Response = 169741481 Manual Peak Response = 134984372 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:34
Operator : PEST18:peg
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:13:58 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.683	1.784	561.2E6	351.6E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:34
Operator : PEST18:peg
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:13:58 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	3.053	3.346	184.4E6	61725842	105.705M4	106.241
30) l1	chlordane-3	3.422	3.962	121.1E6	70830738	108.093M4	110.122
31) l1	chlordane-4	3.988	4.646	413.2E6	243.7E6	104.361M4	105.407
32) l1	chlordane-5	4.118	4.821	638.3E6	194.0E6	105.245M4	105.617
Sum	chlordane-1			1357.0E6	570.3E6	N.D.	N.D. D
Average	chlordane-1					105.851	106.847
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

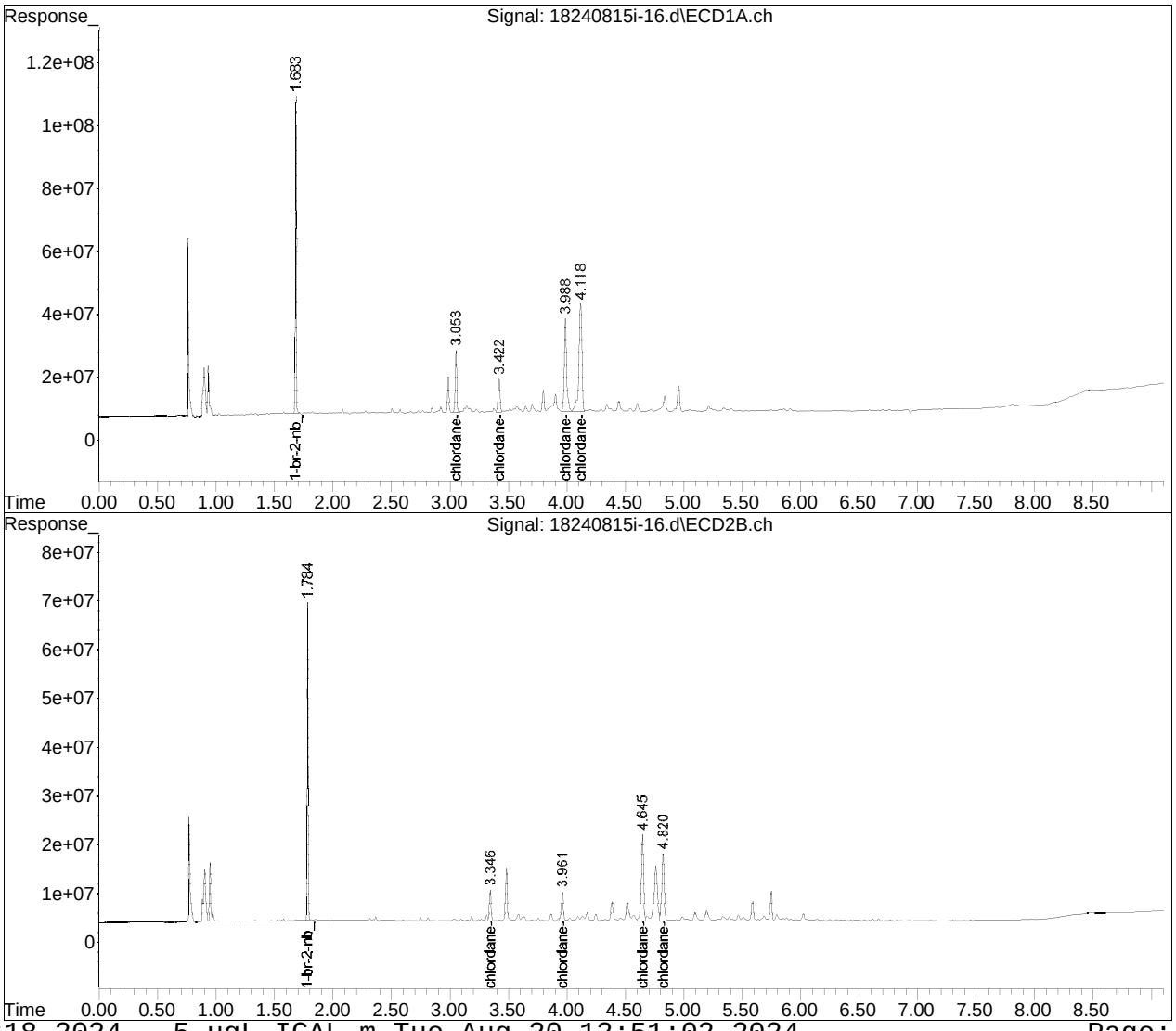
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:34
Operator : PEST18:peg
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:13:58 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

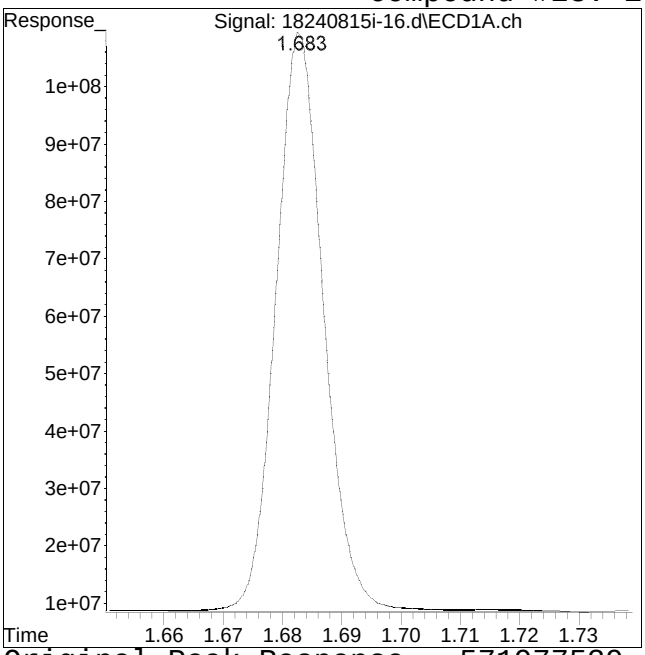
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

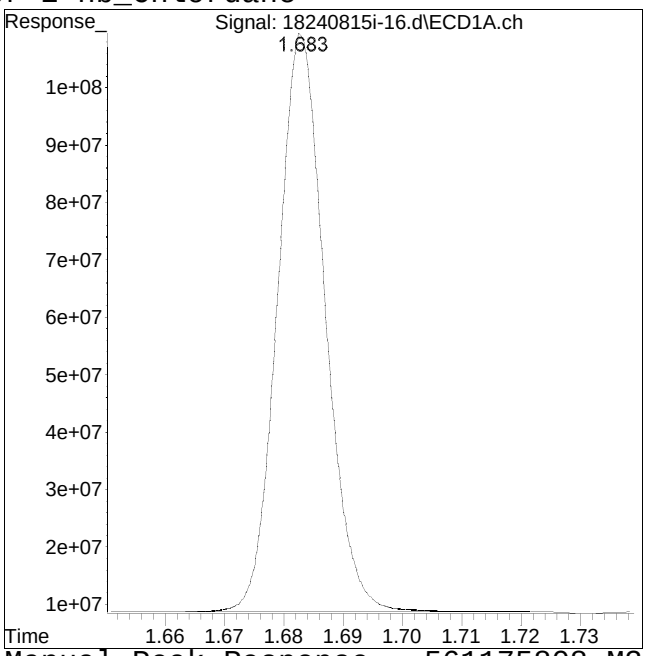


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-16.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:34 Instrument : Pest 18
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 8/20/2024 12:13 pm

Compound #28: 1-br-2-nb_Chlordane



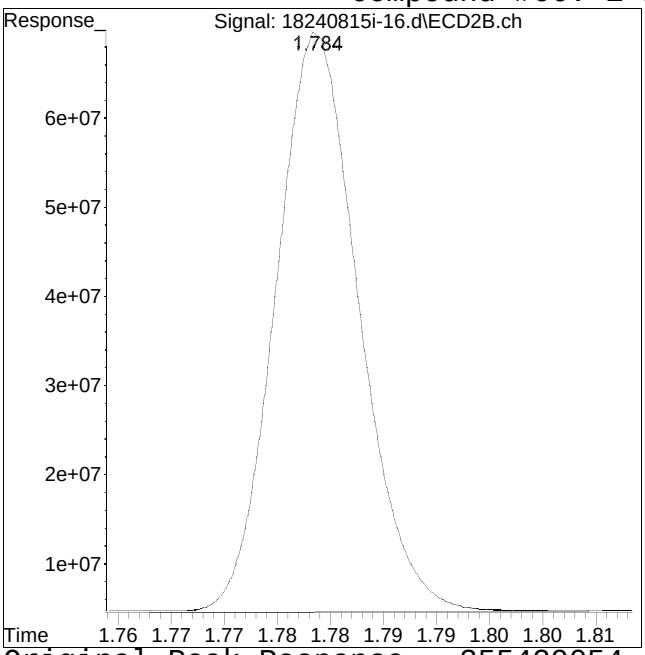


Original Peak Response = 571977539 Manual Peak Response = 561175808 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

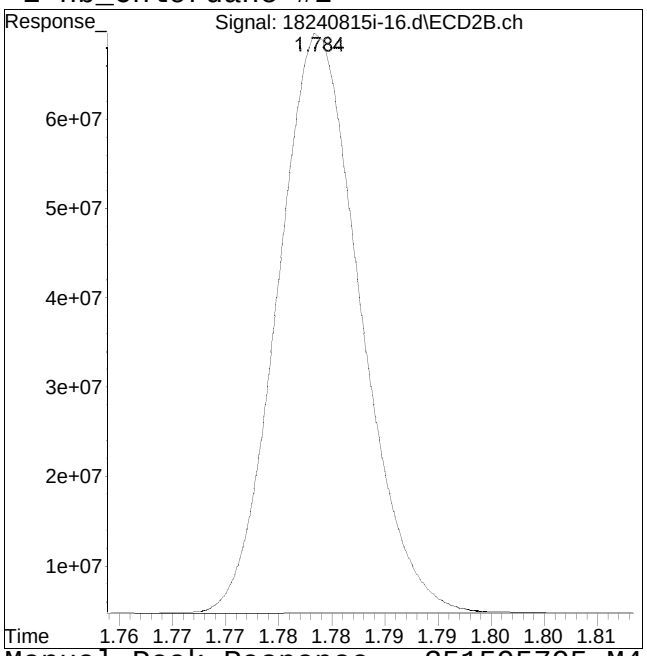
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-16.d
Date Inj'd : 8/15/2024 16:34
Sample : il5chlor,42e,,pp 11692 L0.
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:13 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 355429054



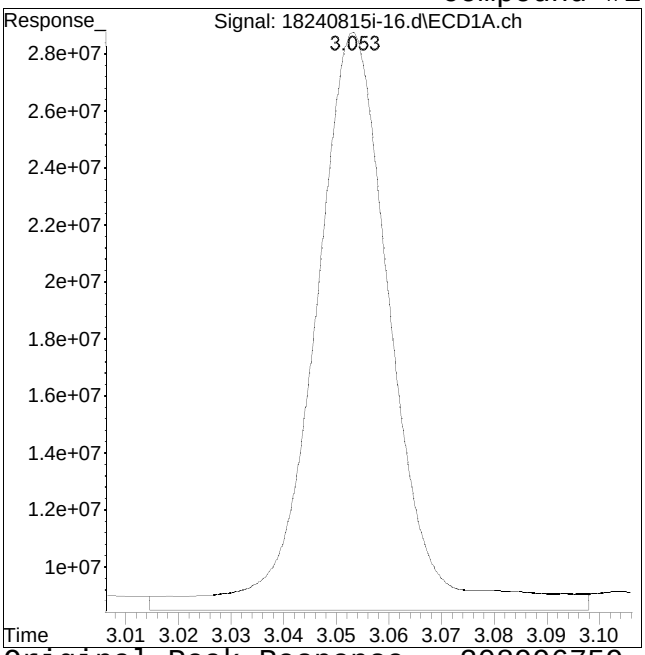
Manual Peak Response = 351595795 M4

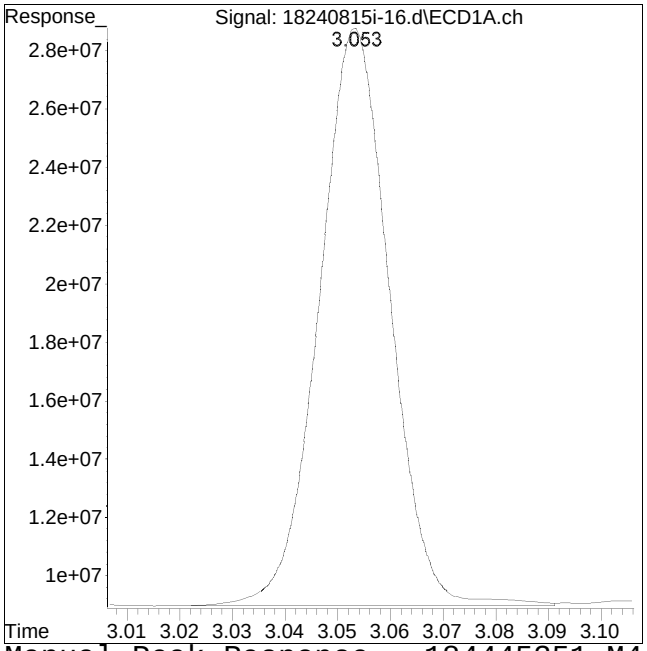
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-16.d
Date Inj'd : 8/15/2024 16:34
Sample : il5chlor,42e,,pp 11692 L0.
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:13 pm

Compound #29: chlordane-1



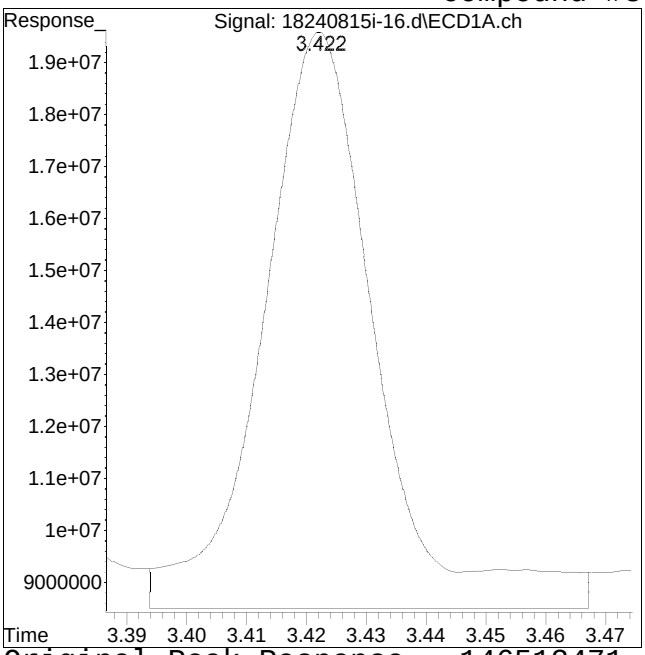


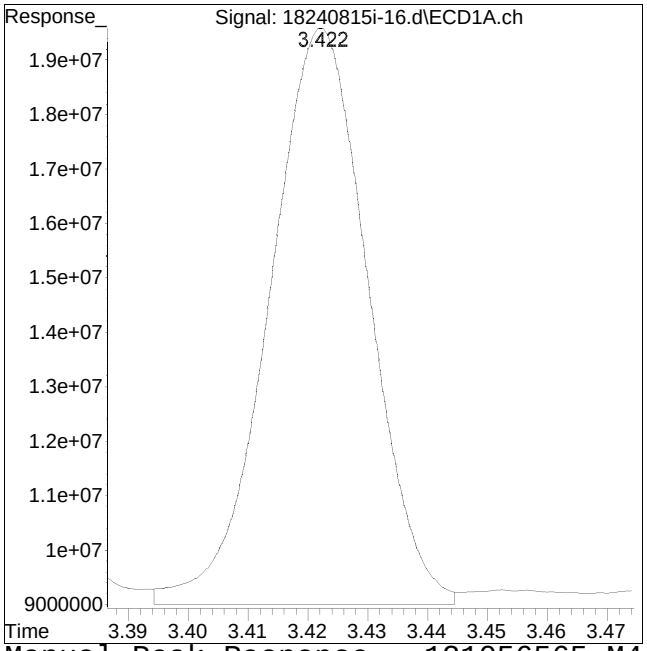
Original Peak Response = 208996759 Manual Peak Response = 184445351 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-16.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:34 Instrument : Pest 18
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 8/20/2024 12:13 pm

Compound #30: chlordane-3



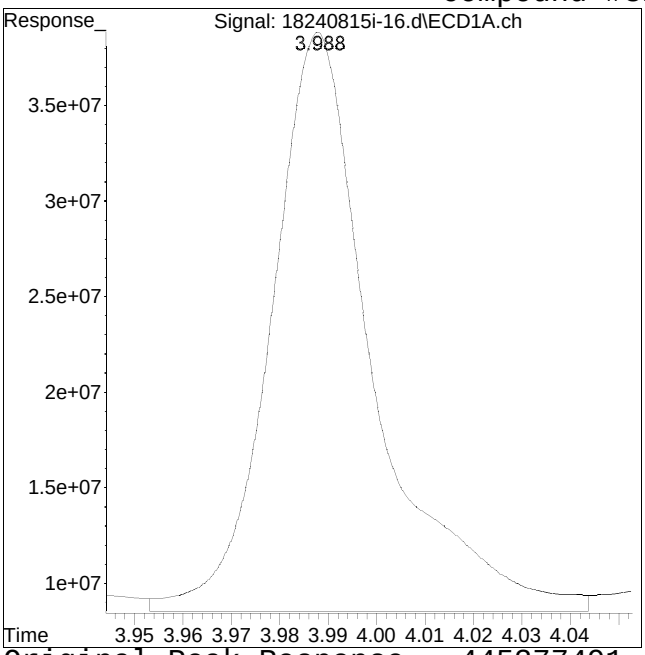


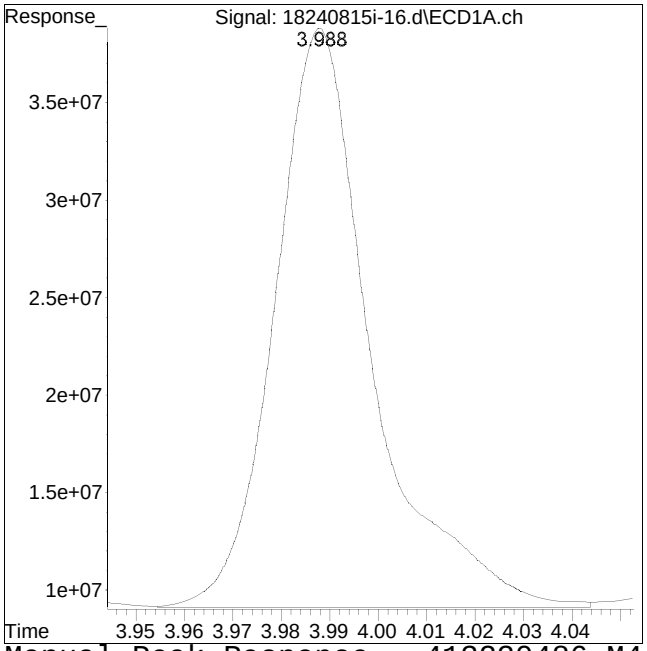
Original Peak Response = 146512471 Manual Peak Response = 121056565 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-16.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:34 Instrument : Pest 18
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 8/20/2024 12:13 pm

Compound #31: chlordane-4



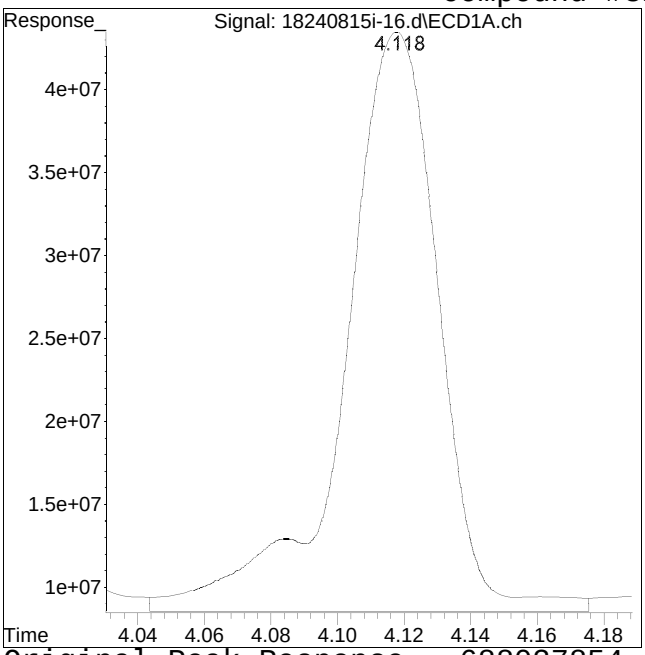


Original Peak Response = 445377491 Manual Peak Response = 413230486 M4
M4 = Poor automated baseline construction.

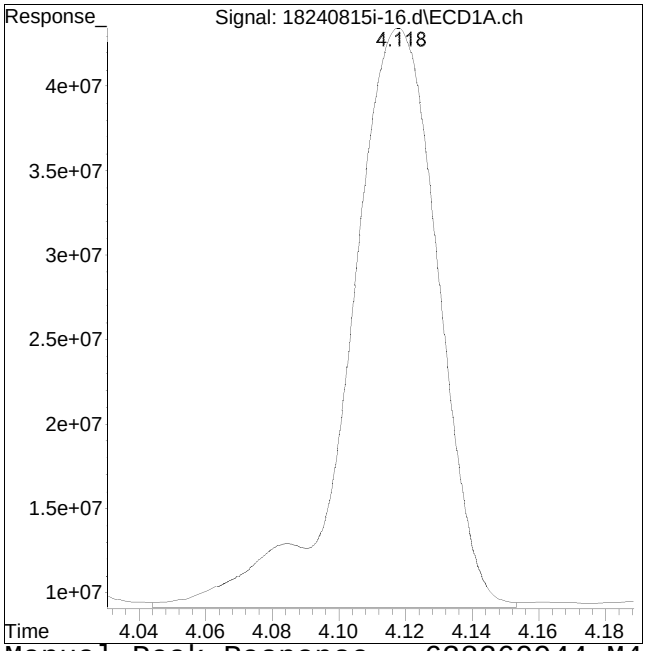
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-16.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:34 Instrument : Pest 18
Sample : il5chlor,42e,,pp 11692 L0.Quant Date : 8/20/2024 12:13 pm

Compound #32: chlordane-5



Original Peak Response = 688037854



Manual Peak Response = 638260944 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:45
Operator : PEST18:peg
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:14:10 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.683	1.784	571.3E6	357.0E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:45
Operator : PEST18:peg
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:14:10 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	3.053	3.347	882.3E6	291.5E6	496.679M3	494.149
30) l1	chlordane-3	3.422	3.962	559.9E6	317.1E6	491.064M3	485.578
31) l1	chlordane-4	3.989	4.646	2021.7E6	1200.7E6	501.492	511.396
32) l1	chlordane-5	4.118	4.820	3108.0E6	943.9E6	503.382M3	506.060
Sum	chlordane-1			6571.9E6	2753.3E6	N.D.	N.D. D
Average	chlordane-1					498.154	499.296
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

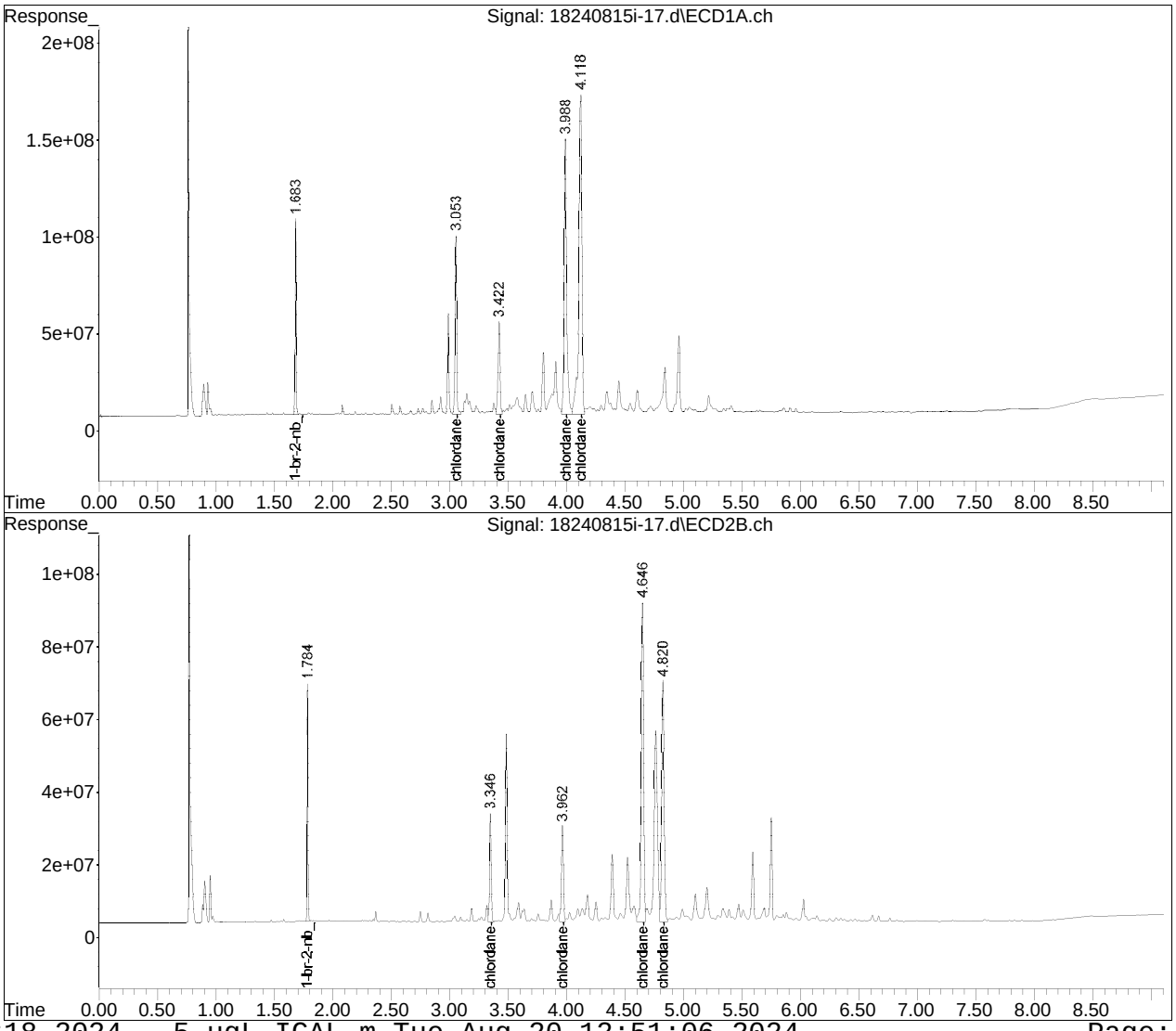
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-17.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:45
Operator : PEST18:peg
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:14:10 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

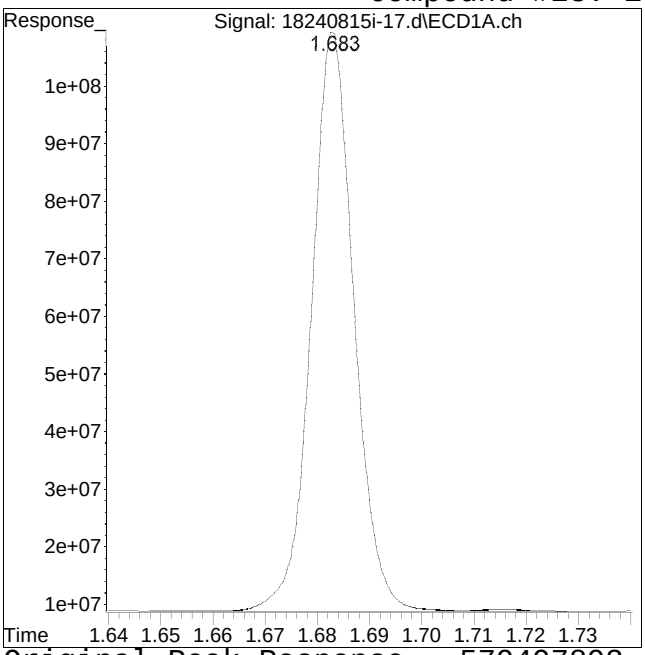
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

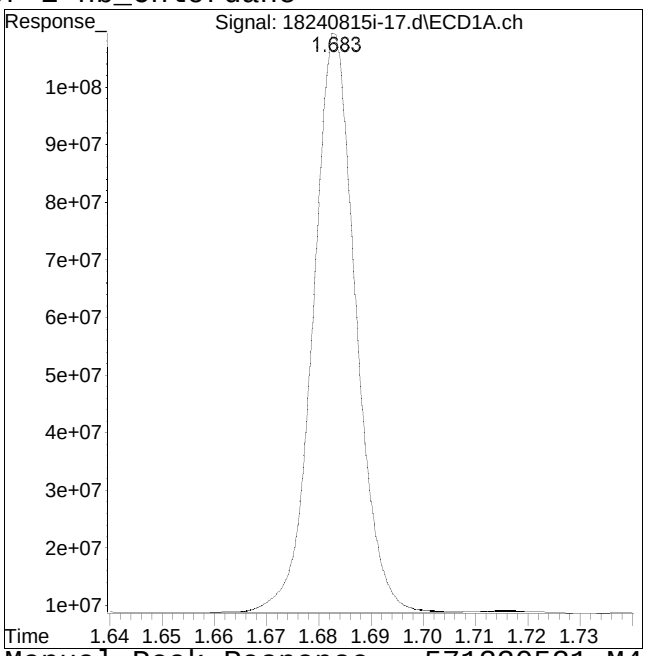


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-17.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:45 Instrument : Pest 18
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 8/20/2024 12:14 pm

Compound #28: 1-br-2-nb_Chlordane



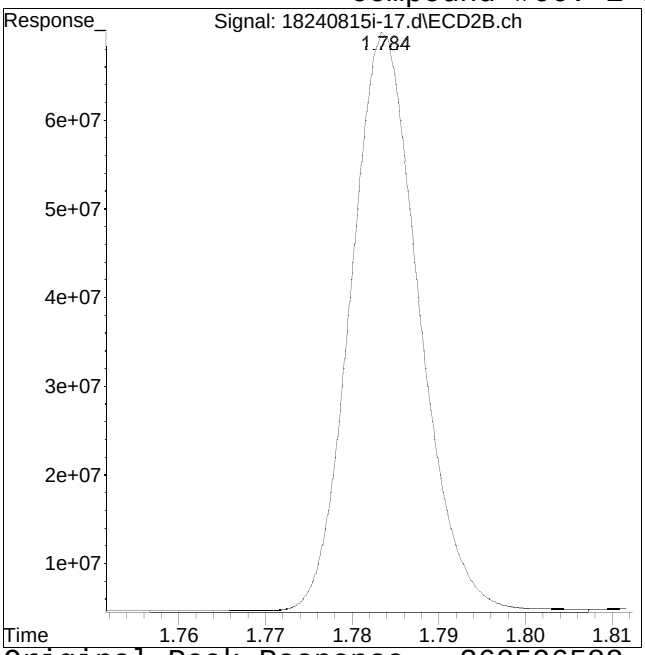


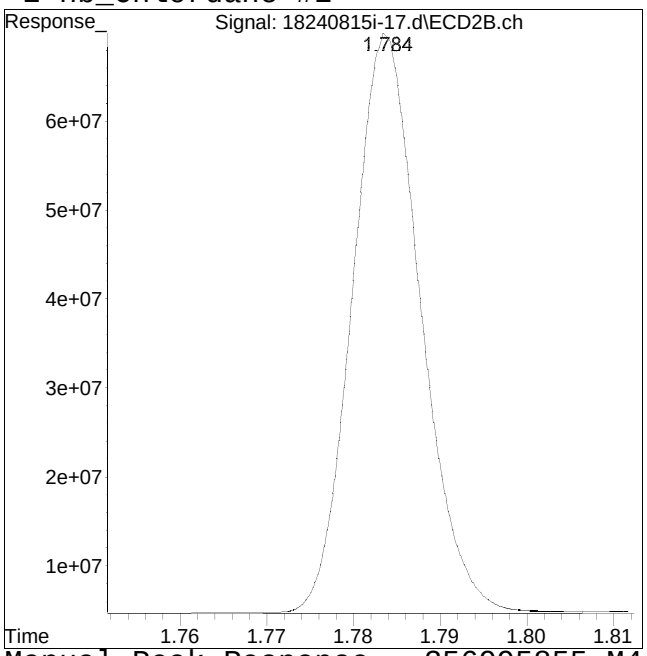
Original Peak Response = 579497893 Manual Peak Response = 571330521 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-17.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:45 Instrument : Pest 18
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 8/20/2024 12:14 pm

Compound #66: 1-br-2-nb_Chlordane #2



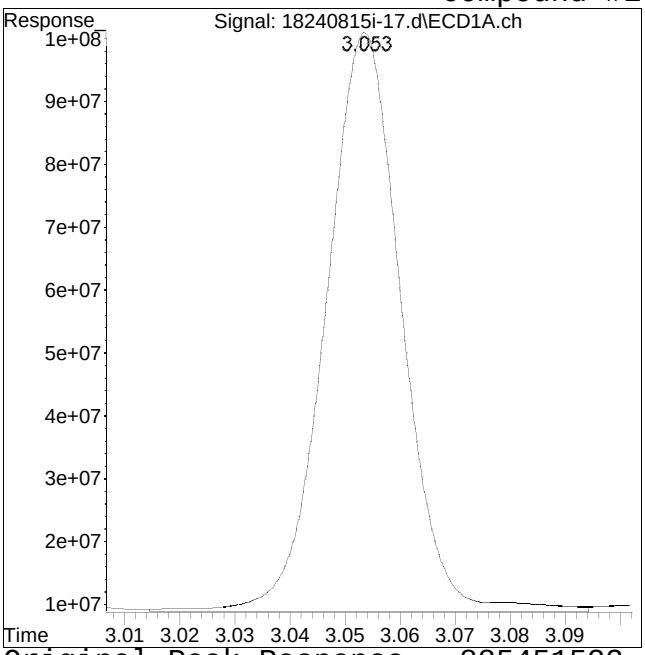


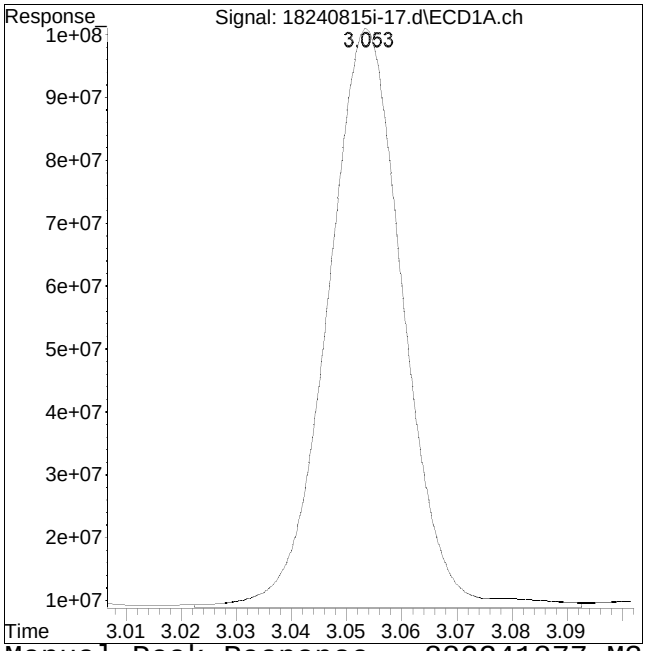
Original Peak Response = 362596588 Manual Peak Response = 356995855 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-17.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:45 Instrument : Pest 18
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 8/20/2024 12:14 pm

Compound #29: chlordane-1



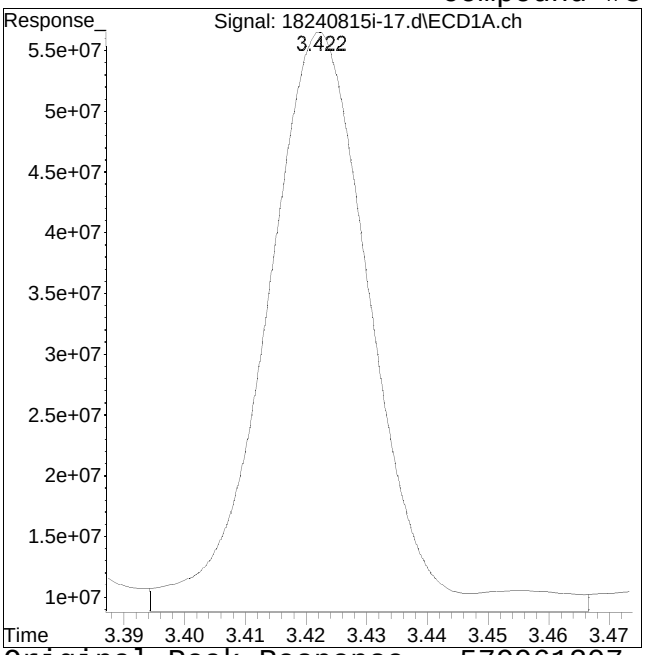


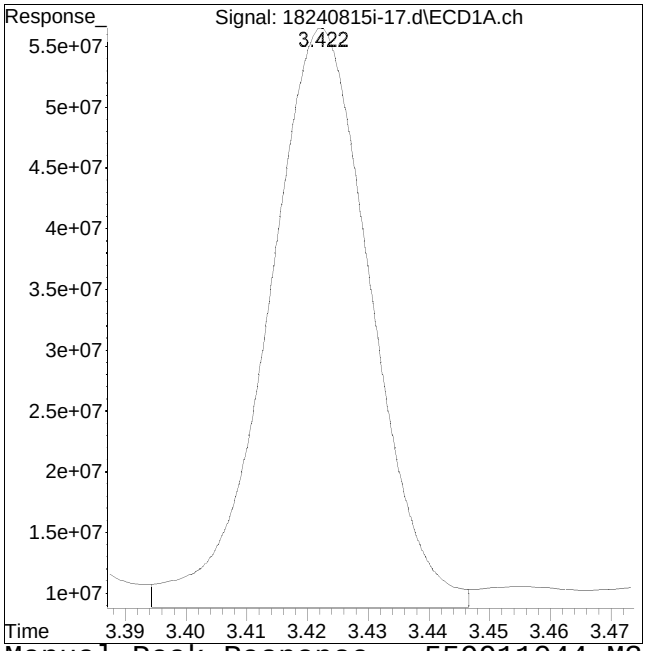
Original Peak Response = 885451522 Manual Peak Response = 882341877 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-17.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:45 Instrument : Pest 18
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 8/20/2024 12:14 pm

Compound #30: chlordane-3



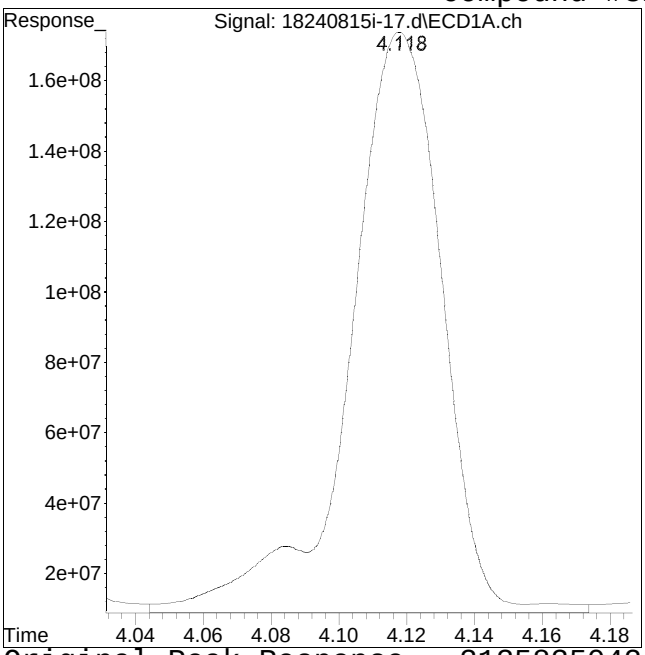


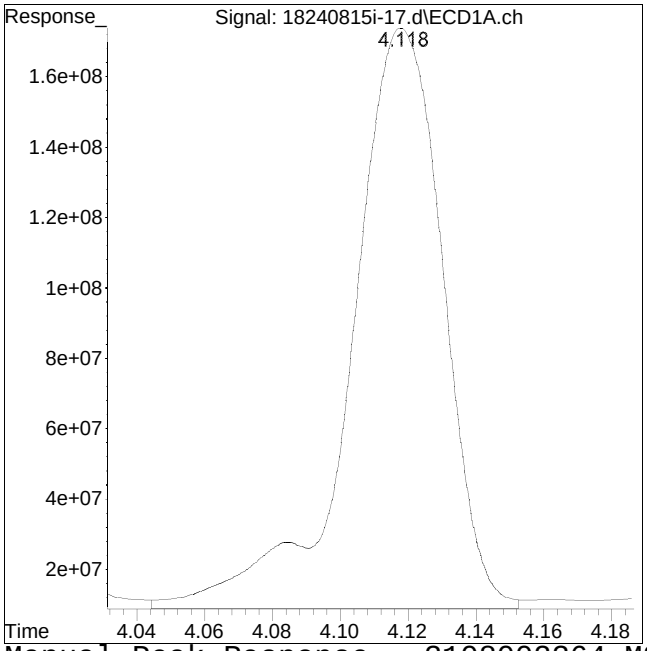
Original Peak Response = 579961307 Manual Peak Response = 559911044 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-17.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:45 Instrument : Pest 18
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 8/20/2024 12:14 pm

Compound #32: chlordane-5





Original Peak Response = 3135835042 Manual Peak Response = 3108002364 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:56
Operator : PEST18:peg
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:14:22 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.683	1.784	563.8E6	346.1E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:56
Operator : PEST18:peg
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:14:22 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.053	3.346	1490.4E6	497.5E6	850.133M2	869.846M2
30)	l1	chlordane-3	3.422	3.961	936.8E6	514.2E6	832.585M2	812.203M2
31)	l1	chlordane-4	3.988	4.645	3268.8E6	1985.9E6	821.688M2	872.484M2
32)	l1	chlordane-5	4.118	4.820	5012.6E6	1545.1E6	822.685M2	854.477M2
		Sum chlordane-1			10708.6E6	4542.8E6	N.D.	N.D. D
		Average chlordane-1					831.773	852.253
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

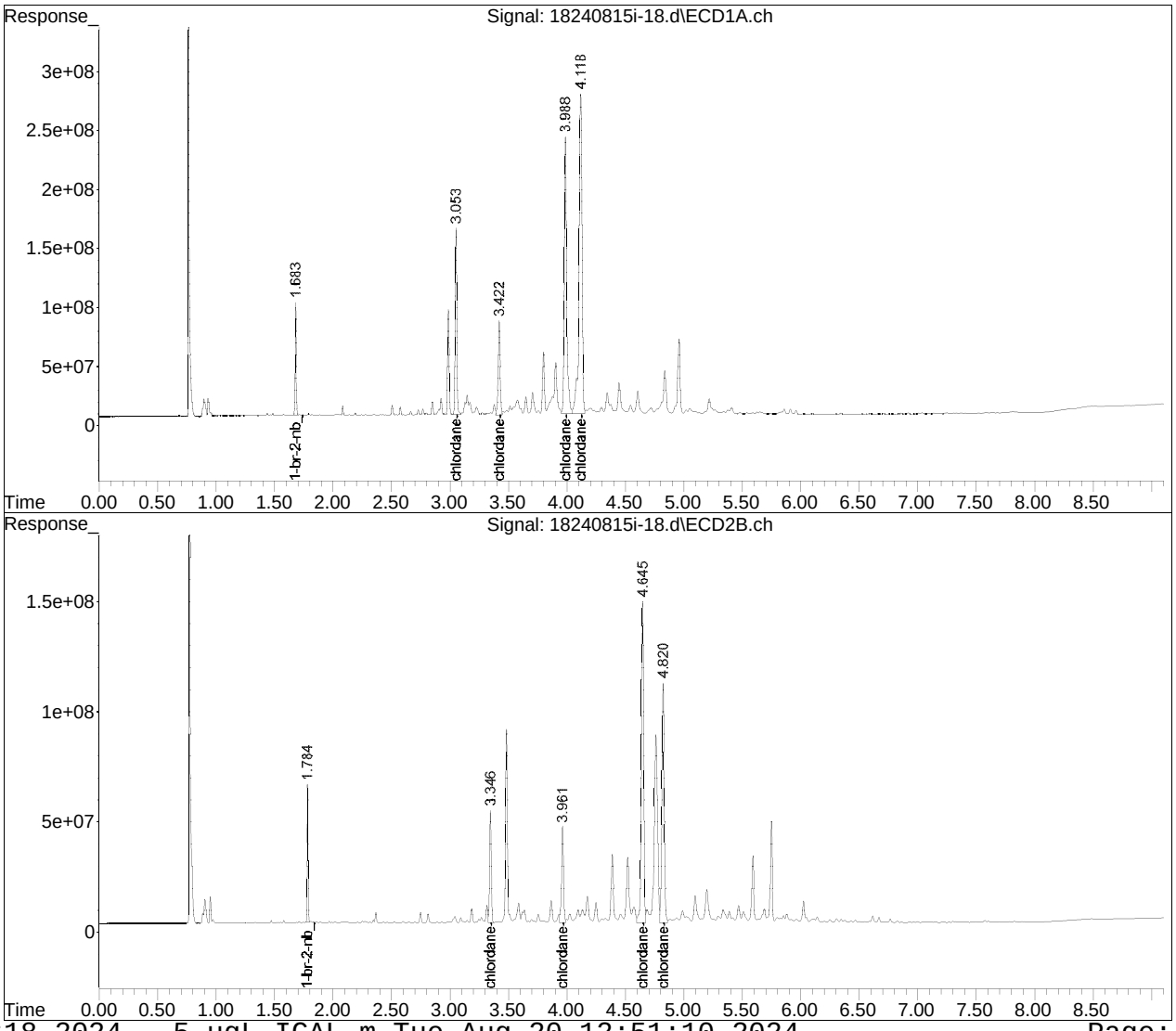
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 16:56
Operator : PEST18:peg
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:14:22 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

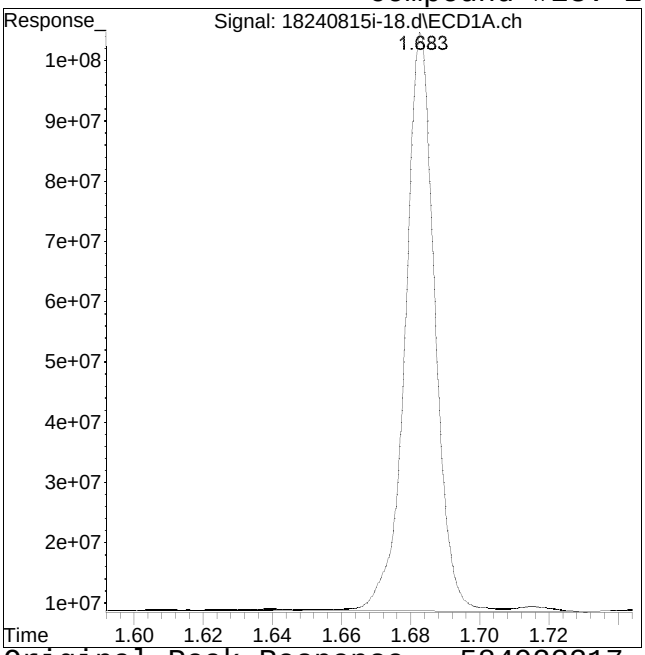
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

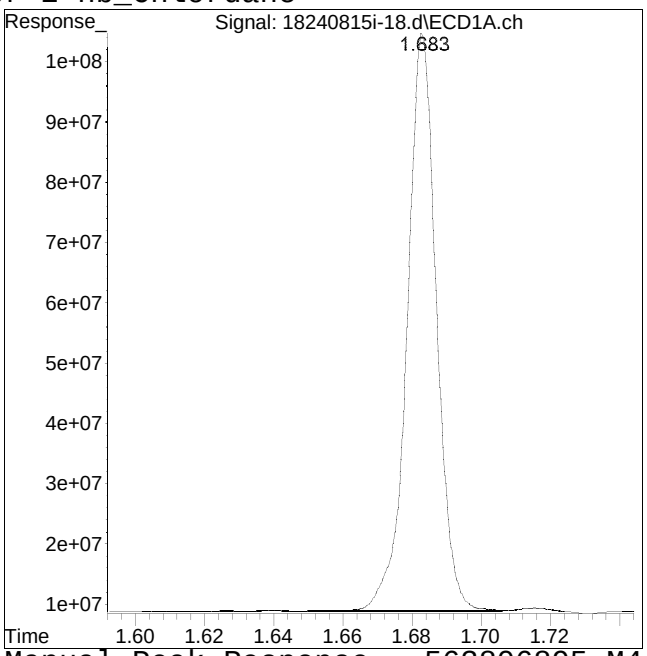


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-18.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:56 Instrument : Pest 18
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/20/2024 12:14 pm

Compound #28: 1-br-2-nb_Chlordane



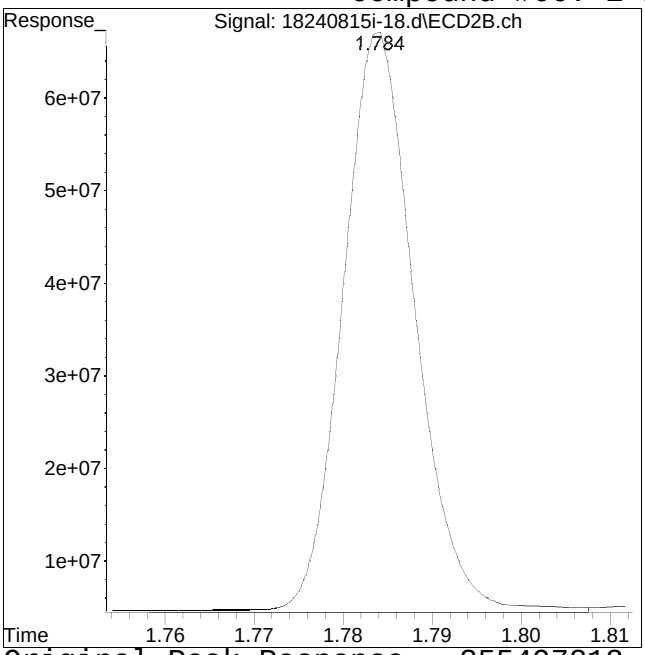


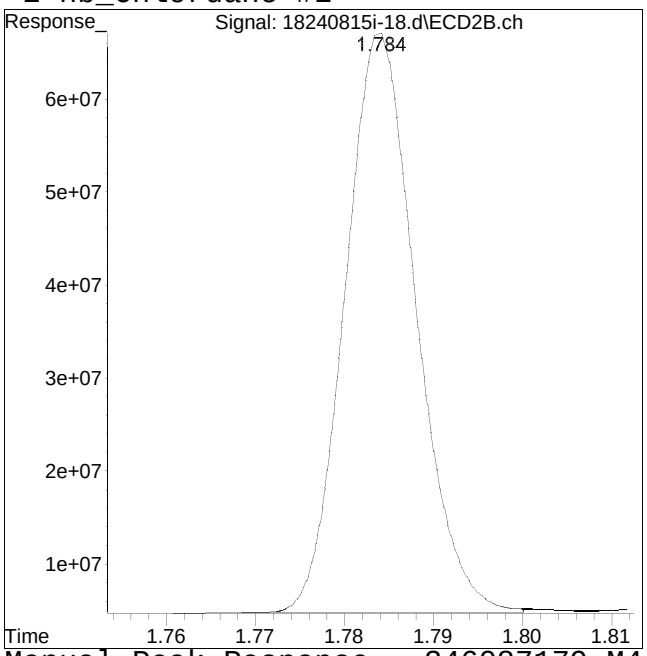
Original Peak Response = 584923317 Manual Peak Response = 563806895 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-18.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:56 Instrument : Pest 18
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/20/2024 12:14 pm

Compound #66: 1-br-2-nb_Chlordane #2



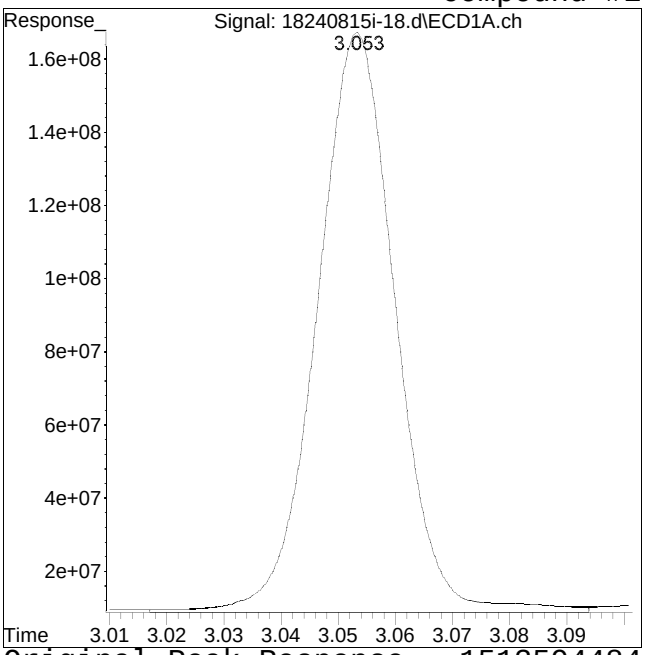


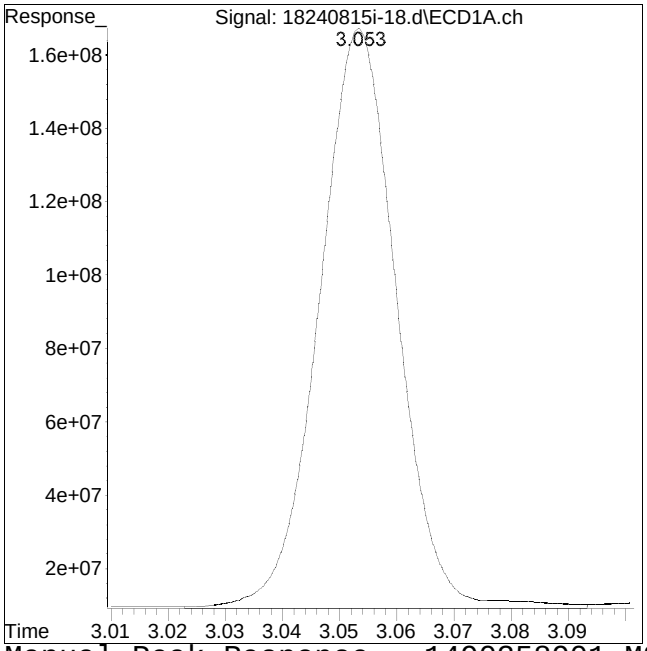
Original Peak Response = 355497212 Manual Peak Response = 346087179 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-18.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:56 Instrument : Pest 18
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/20/2024 12:14 pm

Compound #29: chlordane-1



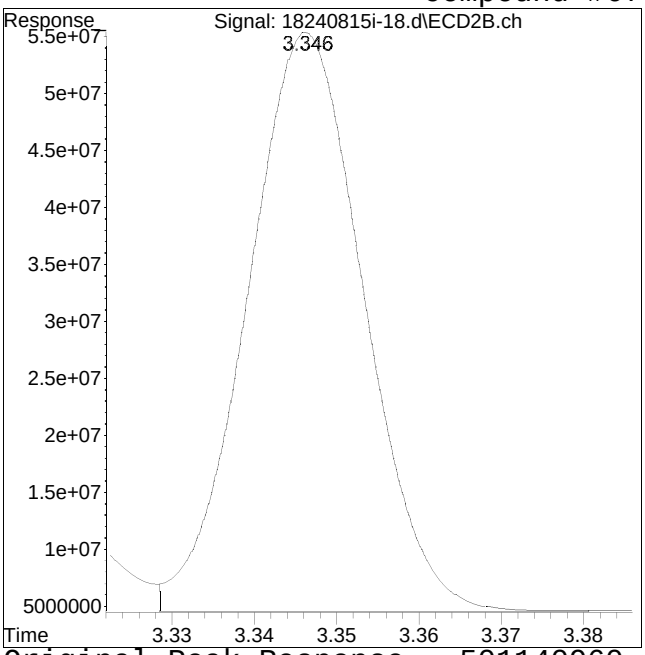


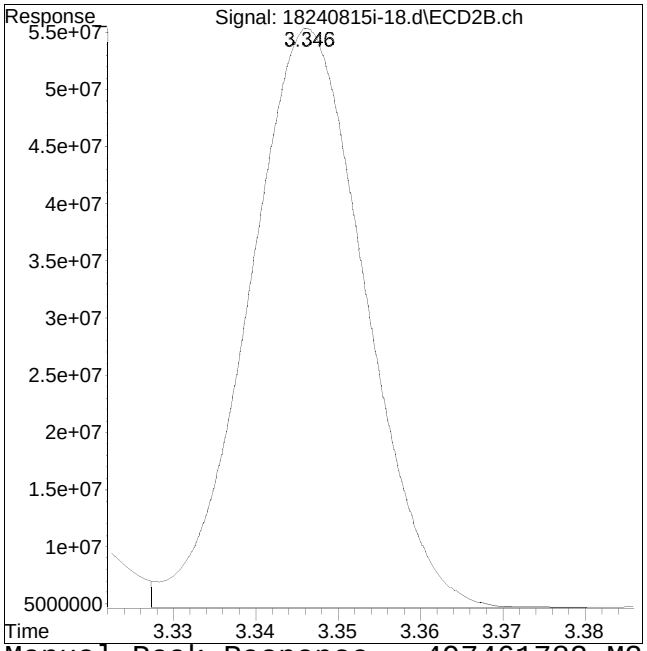
Original Peak Response = 1513594484 Manual Peak Response = 1490358901 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-18.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:56 Instrument : Pest 18
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/20/2024 12:14 pm

Compound #67: chlordane-1 #2



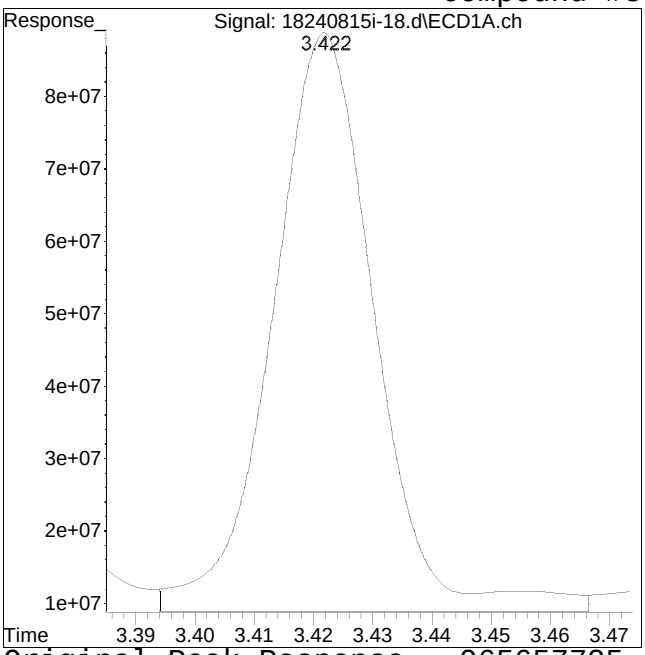


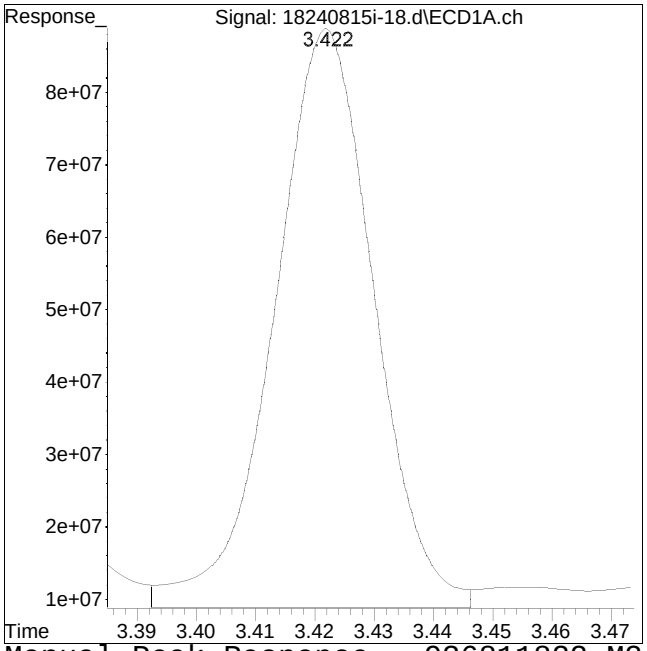
Original Peak Response = 501140960 Manual Peak Response = 497461782 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-18.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:56 Instrument : Pest 18
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/20/2024 12:14 pm

Compound #30: chlordane-3



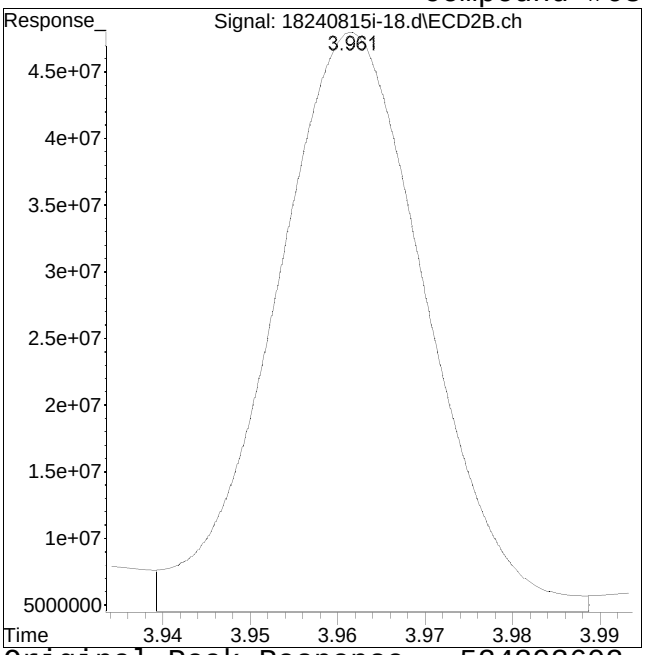


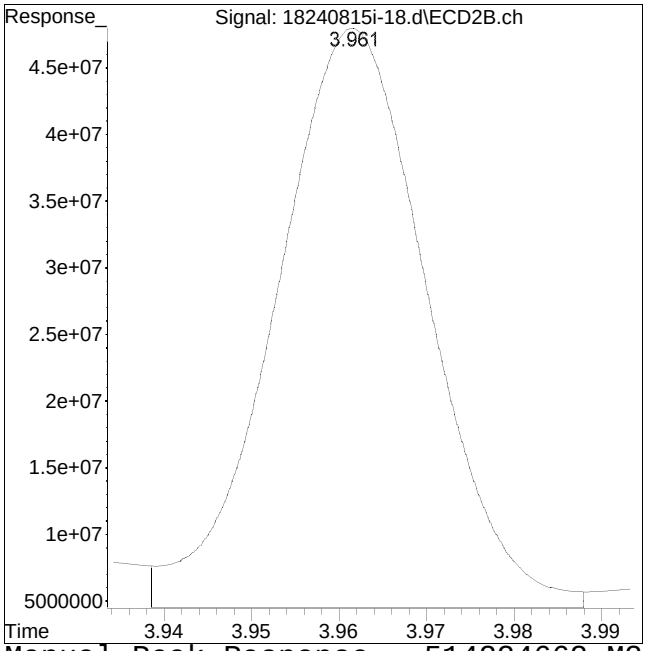
Original Peak Response = 965657725 Manual Peak Response = 936811822 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-18.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:56 Instrument : Pest 18
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/20/2024 12:14 pm

Compound #68: chlordane-3 #2



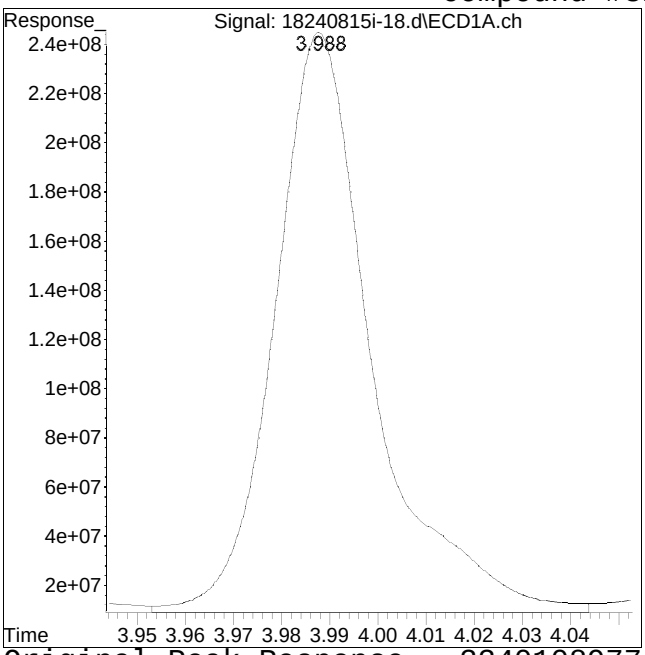


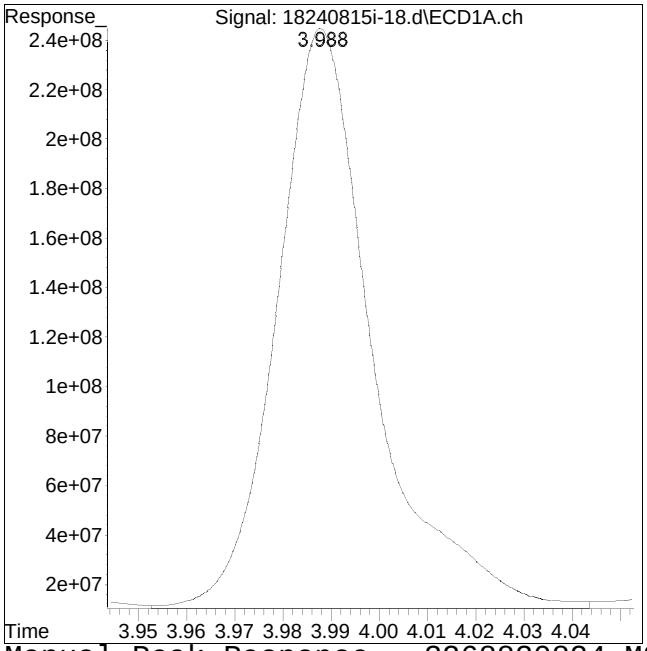
Original Peak Response = 524393602 Manual Peak Response = 514224662 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-18.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:56 Instrument : Pest 18
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/20/2024 12:14 pm

Compound #31: chlordane-4



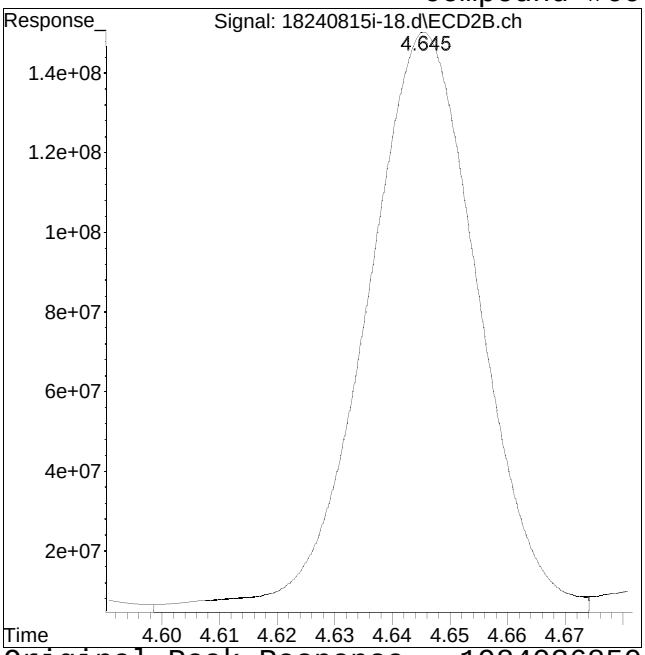


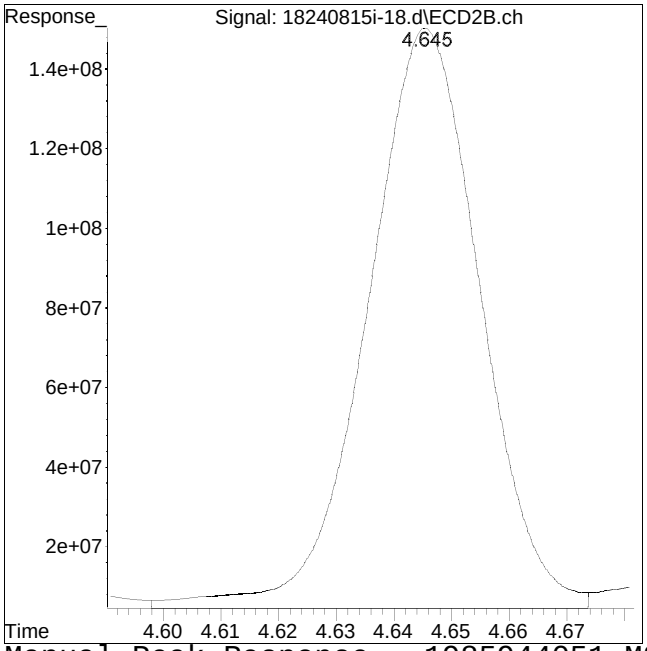
Original Peak Response = 3340108977 Manual Peak Response = 3268830824 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-18.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:56 Instrument : Pest 18
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/20/2024 12:14 pm

Compound #69: chlordane-4 #2



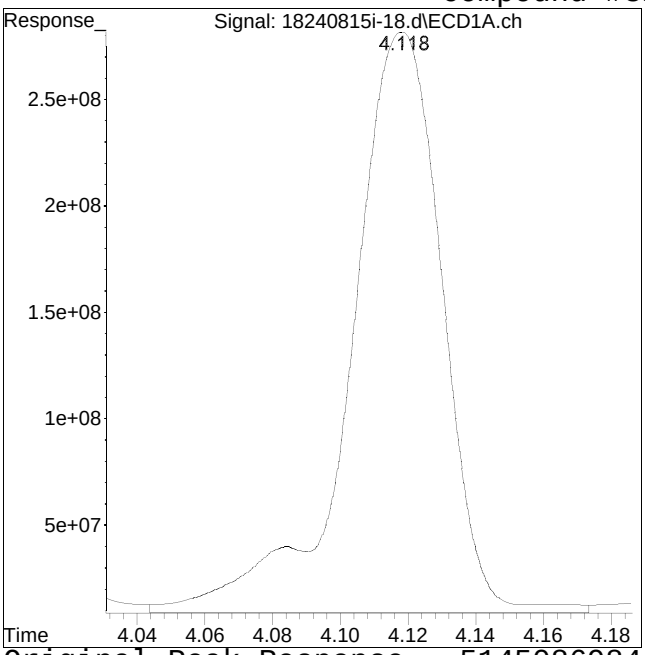


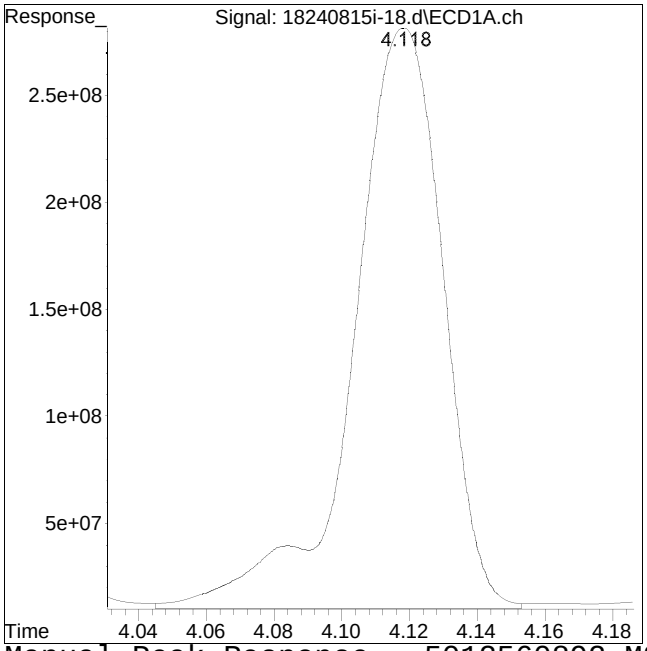
Original Peak Response = 1984036850 Manual Peak Response = 1985944051 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-18.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:56 Instrument : Pest 18
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/20/2024 12:14 pm

Compound #32: chlordane-5



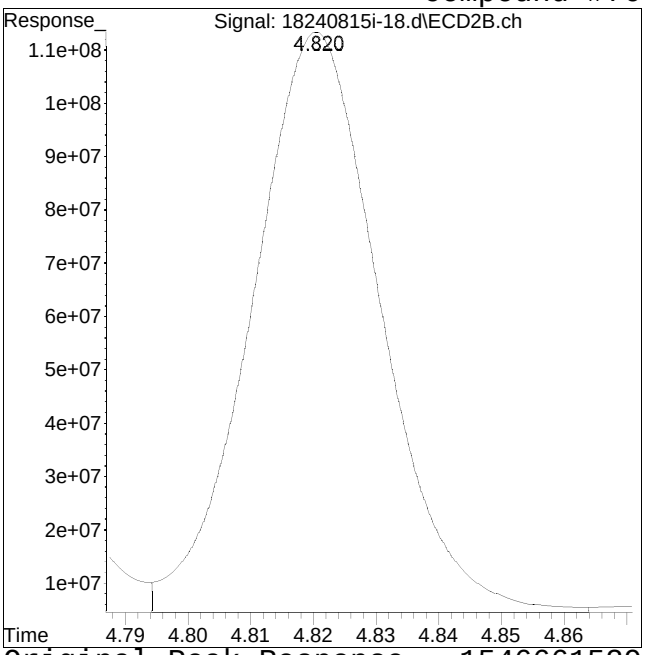


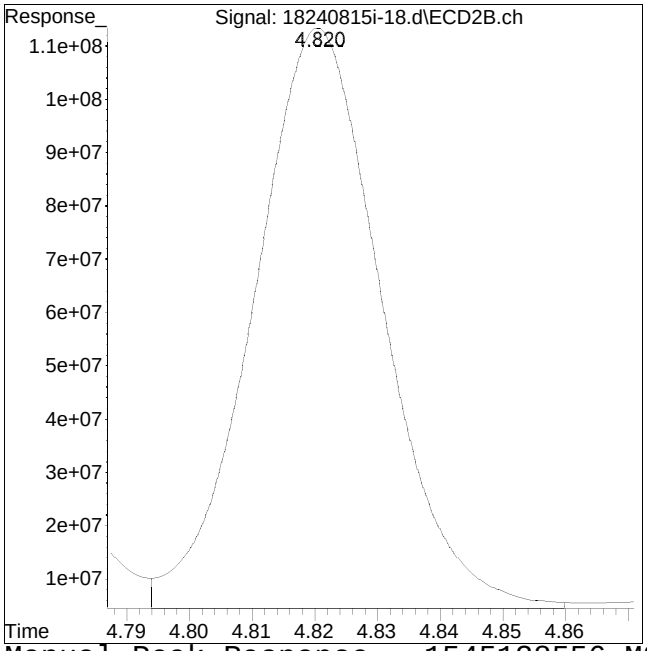
Original Peak Response = 5145086984 Manual Peak Response = 5012560892 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-18.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 16:56 Instrument : Pest 18
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/20/2024 12:14 pm

Compound #70: chlordane-5 #2





Original Peak Response = 1546661529 Manual Peak Response = 1545138556 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:08
Operator : PEST18:peg
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:14:34 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.683	1.784	581.9E6	366.6E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:08
Operator : PEST18:peg
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:14:34 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	3.054	3.347	2942.8E6	1033.8E6	1626.304	1706.611
30)	l1	chlordane-3	3.423	3.962	1843.8E6	1065.0E6	1587.609M3	1588.113
31)	l1	chlordane-4	3.989	4.646	6894.7E6	4294.2E6	1679.099	1781.086
32)	l1	chlordane-5	4.118	4.821	10534.9E6	3342.4E6	1675.151M3	1745.008
		Sum chlordane-1			22216.2E6	9735.5E6	N.D.	N.D. D
		Average chlordane-1					1642.041	1705.205
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			0	0	N.D.	N.D.
		Average toxaphene-1					0.000	0.000

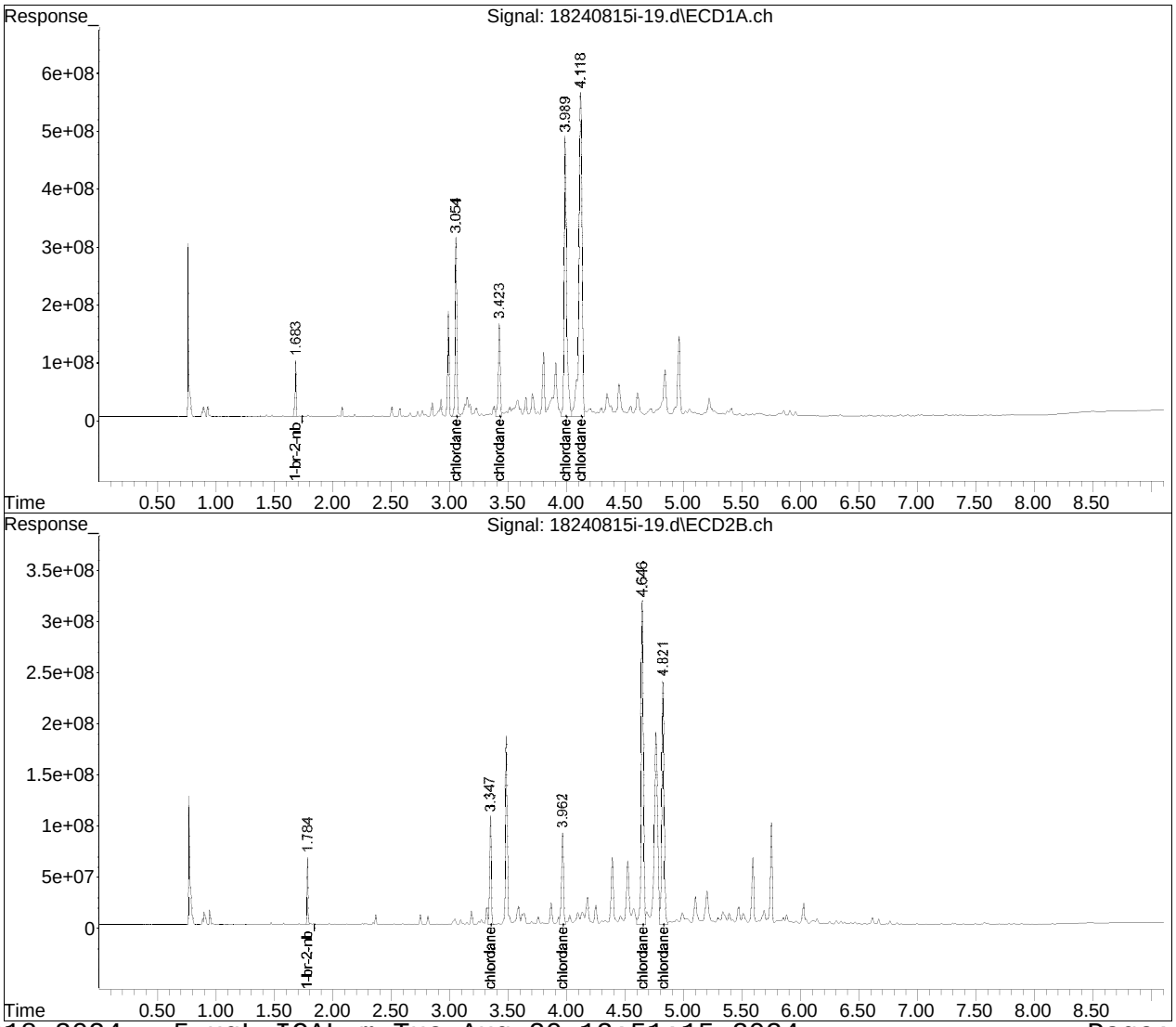
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:08
Operator : PEST18:peg
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:14:34 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:12:54 2024
Response via : Initial Calibration
Integrator: ChemStation

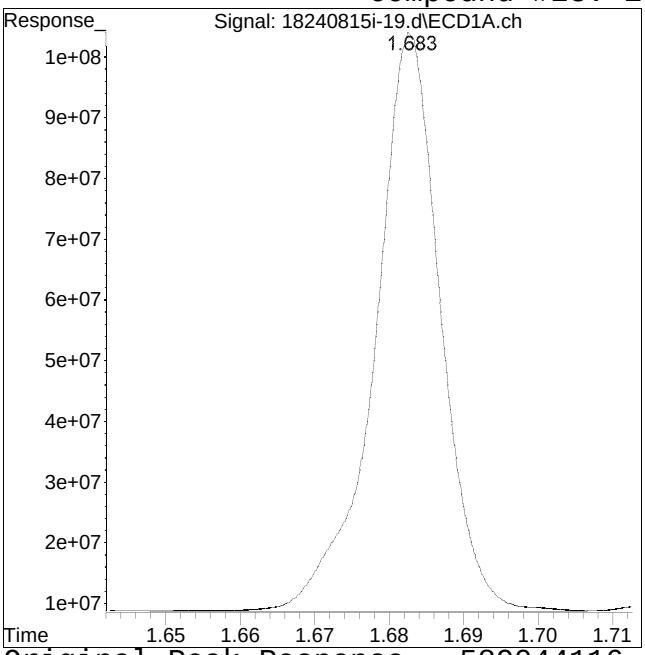
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



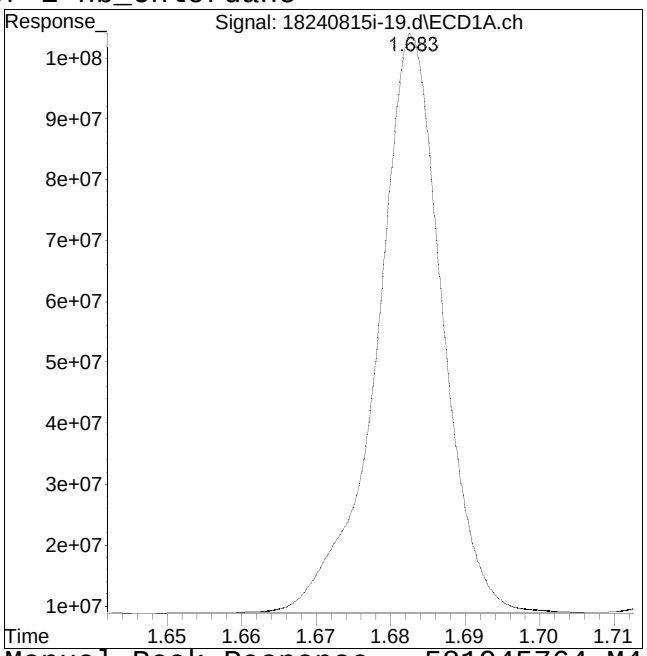
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-19.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:08 Instrument : Pest 18
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 8/20/2024 12:14 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 589044116



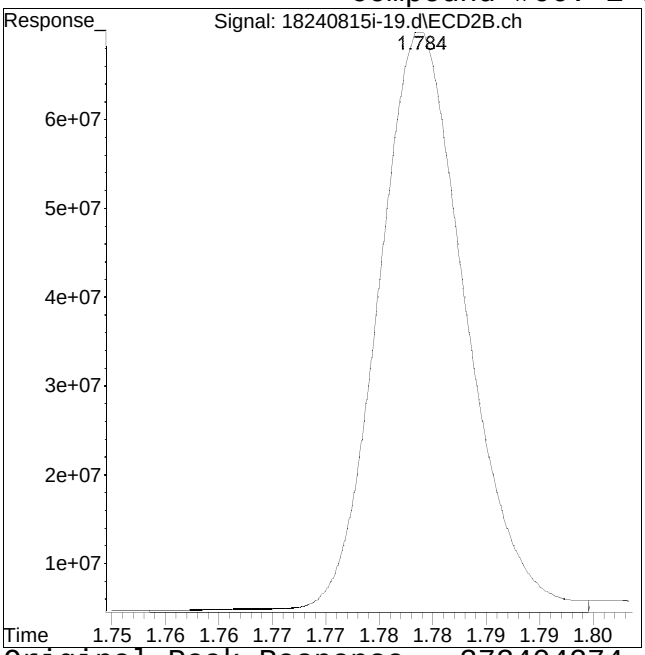
Manual Peak Response = 581945764 M4

M4 = Poor automated baseline construction.

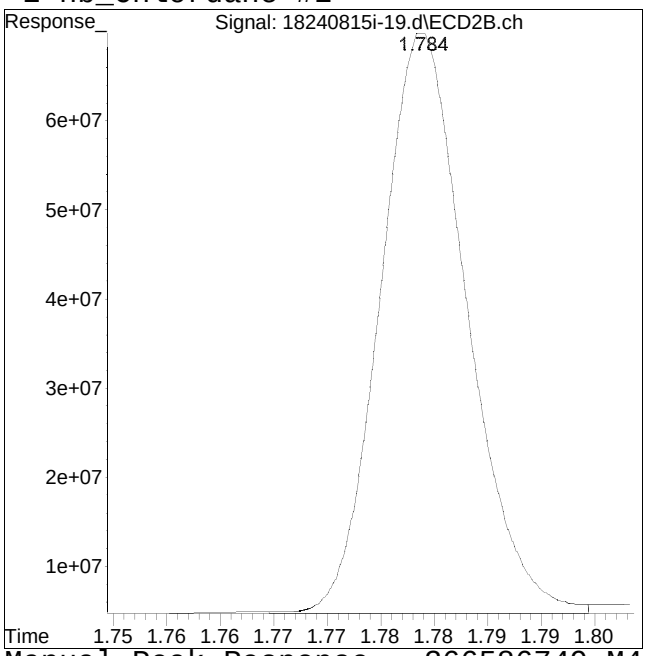
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-19.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:08 Instrument : Pest 18
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 8/20/2024 12:14 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 373404274



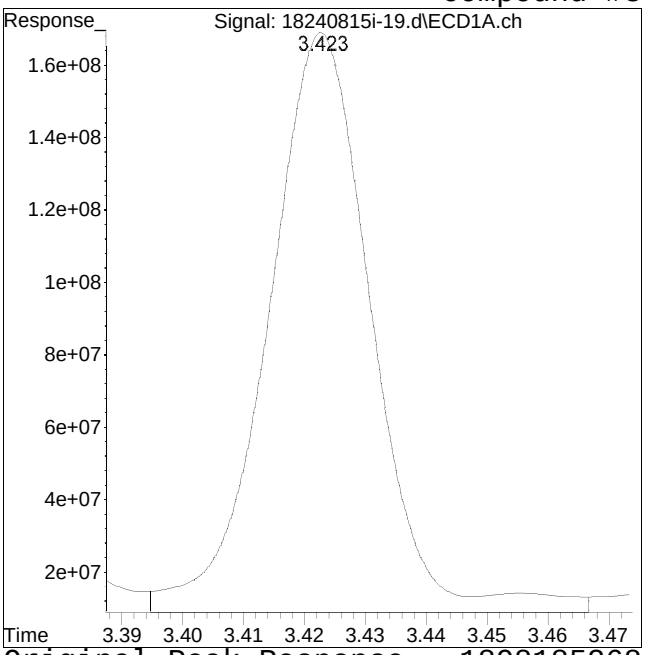
Manual Peak Response = 366586749 M4

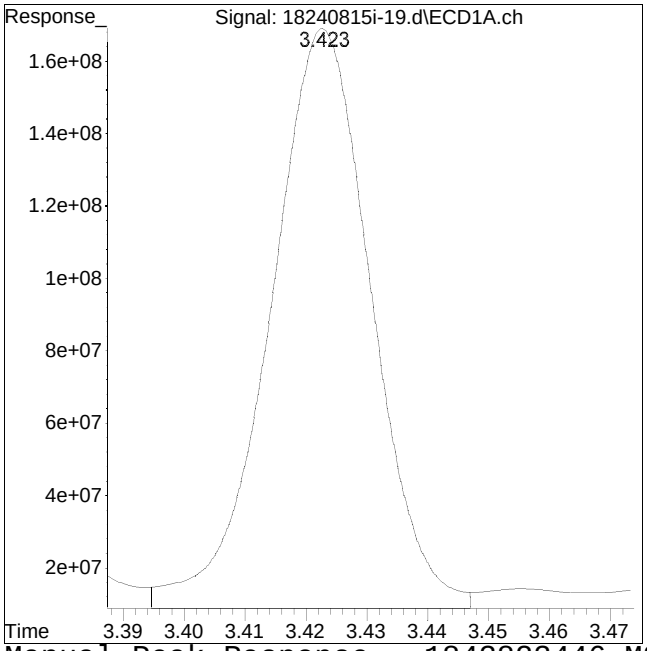
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-19.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:08 Instrument : Pest 18
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 8/20/2024 12:14 pm

Compound #30: chlordane-3



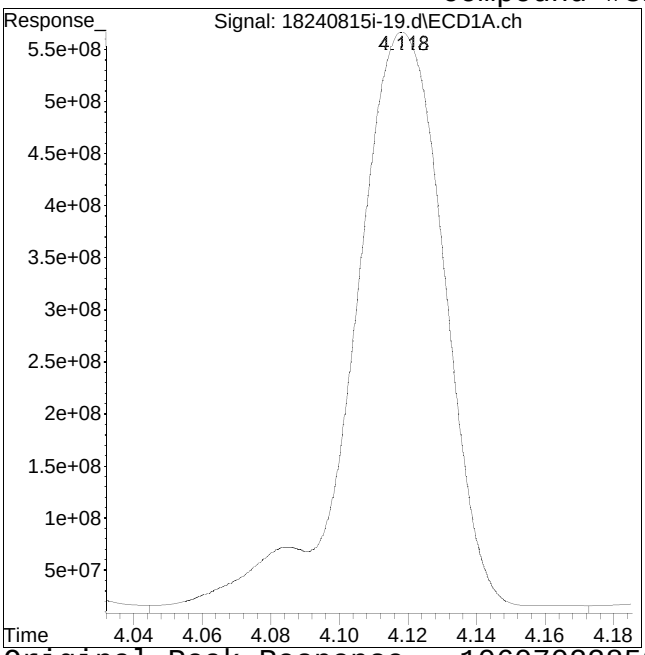


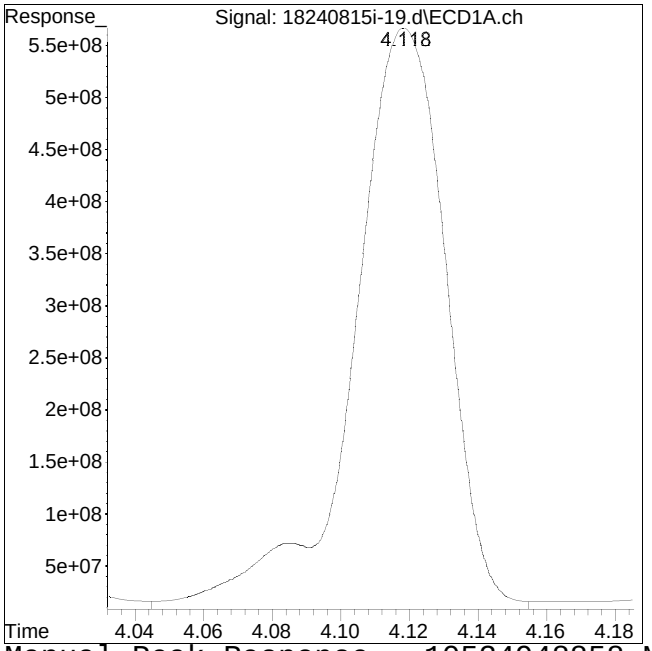
Original Peak Response = 1898185268 Manual Peak Response = 1843823446 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-19.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:08 Instrument : Pest 18
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 8/20/2024 12:14 pm

Compound #32: chlordane-5





Original Peak Response = 10607022850 Manual Peak Response = 10534948858 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Aug 2024 17:31
Operator : PEST18:peg
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:38:47 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	95	0.00
29	l1	chlordane-1		0.078	0.051	34.6#	77	0.00
30	l1	chlordane-3		0.050	0.041	18.0	99	0.00
31	l1	chlordane-4		0.176	0.150	14.8	103	0.00
32	l1	chlordane-5		0.270	0.255	5.6	114	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	95	0.00
29	l1	chlordane-1		0.041	0.036	12.2	100	0.00
30	l1	chlordane-3		0.046	0.037	19.6	102	0.00
31	l1	chlordane-4		0.164	0.142	13.4	99	0.00
32	l1	chlordane-5		0.131	0.109	16.8	98	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.68#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.220	0.000	100.0#	0#	-2.12#
3		Hexachlorobenzene		1.431	0.000	100.0#	0#	-2.36#
4		alpha-BHC		1.531	0.000	100.0#	0#	-2.47#
5		gamma-BHC (lindane)		1.404	0.000	100.0#	0#	-2.69#
6		beta-BHC		0.638	0.000	100.0#	0#	-2.75#
7		delta-BHC		1.404	0.000	100.0#	0#	-2.88#
8		Heptachlor		1.315	0.000	100.0#	0#	-3.05#
9		Aldrin		1.284	0.000	100.0#	0#	-3.30#
10		Alachlor		0.194	0.000	100.0#	0#	-3.44#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.54#
12		Heptachlor Epoxide		1.161	0.000	100.0#	0#	-3.86#
13		gamma-Chlordane (trans)		1.140	0.000	100.0#	0#	-3.99#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Aug 2024 17:31
Operator : PEST18:peg
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:38:47 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.273	0.000	100.0#	0#	-4.13#
15		4,4'-DDE		1.268	0.000	100.0#	0#	-4.23#
16		Endosulfan I		1.138	0.000	100.0#	0#	-4.26#
17		Dieldrin		1.209	0.000	100.0#	0#	-4.52#
18		Endrin		1.209	0.000	100.0#	0#	-4.78#
19		4,4'-DDD		0.982	0.000	100.0#	0#	-4.90#
20		Endosulfan II		1.096	0.000	100.0#	0#	-5.03#
21		4,4'-DDT		1.107	0.000	100.0#	0#	-5.21#
22		Endrin Aldehyde		0.923	0.000	100.0#	0#	-5.46#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-5.72#
24		Mirex	*	50.000	0.000	100.0#	0	-5.76#
25		Endosulfan Sulfate		1.087	0.000	100.0#	0#	-5.87#
26		Endrin Ketone		1.216	0.000	100.0#	0#	-6.10#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-6.92#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.68#
34	l2	toxaphene-1		0.050	0.000	100.0#	0#	-5.02#
35	l2	toxaphene-2		0.054	0.000	100.0#	0#	-5.15#
36	l2	toxaphene-3		0.055	0.000	100.0#	0#	-5.39#
37	l2	toxaphene-4		0.055	0.000	100.0#	0#	-5.77#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.78#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.179	0.000	100.0#	0#	-2.34#
3		Hexachlorobenzene		1.260	0.000	100.0#	0#	-2.68#
4		alpha-BHC		1.569	0.000	100.0#	0#	-2.79#
5		gamma-BHC (lindane)		1.462	0.000	100.0#	0#	-3.08#
6		beta-BHC		0.679	0.000	100.0#	0#	-3.15#
7		delta-BHC		1.445	0.000	100.0#	0#	-3.42#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Aug 2024 17:31
Operator : PEST18:peg
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:38:47 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.318	0.000	100.0#	0#	-3.48#
9		Aldrin		1.307	0.000	100.0#	0#	-3.80#
10		Alachlor		0.196	0.000	100.0#	0#	-3.70#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.05#
12		Heptachlor Epoxide		1.247	0.000	100.0#	0#	-4.42#
13		gamma-Chlordane (trans)		1.137	0.000	100.0#	0#	-4.65#
14		alpha-Chlordane (cis)		1.268	0.000	100.0#	0#	-4.82#
15		4,4'-DDE		1.245	0.000	100.0#	0#	-5.03#
16		Endosulfan I		1.167	0.000	100.0#	0#	-4.88#
17		Dieldrin		1.196	0.000	100.0#	0#	-5.19#
18		Endrin		1.197	0.000	100.0#	0#	-5.50#
19		4,4'-DDD		0.976	0.000	100.0#	0#	-5.63#
20		Endosulfan II		1.072	0.000	100.0#	0#	-5.71#
21		4,4'-DDT		1.070	0.000	100.0#	0#	-5.92#
22		Endrin Aldehyde		0.903	0.000	100.0#	0#	-6.01#
23		Methoxychlor		0.581	0.000	100.0#	0#	-6.50#
24		Mirex		0.903	0.000	100.0#	0#	-6.63#
25		Endosulfan Sulfate		1.032	0.000	100.0#	0#	-6.25#
26		Endrin Ketone		1.116	0.000	100.0#	0#	-6.67#
27	s	Decachlorobiphenyl		0.953	0.000	100.0#	0#	-7.55#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.78#
34	l2	toxaphene-1		0.025	0.000	100.0#	0#	-5.66#
35	l2	toxaphene-2		0.038	0.000	100.0#	0#	-5.69#
36	l2	toxaphene-3		0.045	0.000	100.0#	0#	-6.02#
37	l2	toxaphene-4		0.040	0.000	100.0#	0#	-6.43#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:31
Operator : PEST18:peg
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:38:47 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.683	1.783	563.0E6	348.2E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:31
Operator : PEST18:peg
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:38:47 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29)	l1	chlordane-1	3.054	3.346	1140.1E6	498.9E6	651.297	867.195	
30)	l1	chlordane-3	3.423	3.962	924.0E6	522.2E6	822.392M3	819.802	
31)	l1	chlordane-4	3.989	4.646	3379.8E6	1973.1E6	850.798	861.637	
32)	l1	chlordane-5	4.117	4.820	5732.6E6	1520.5E6	942.216	835.805	
	Sum	chlordane-1			11176.5E6	4514.8E6	N.D.	N.D.	D
Average		chlordane-1					816.676	846.110	
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

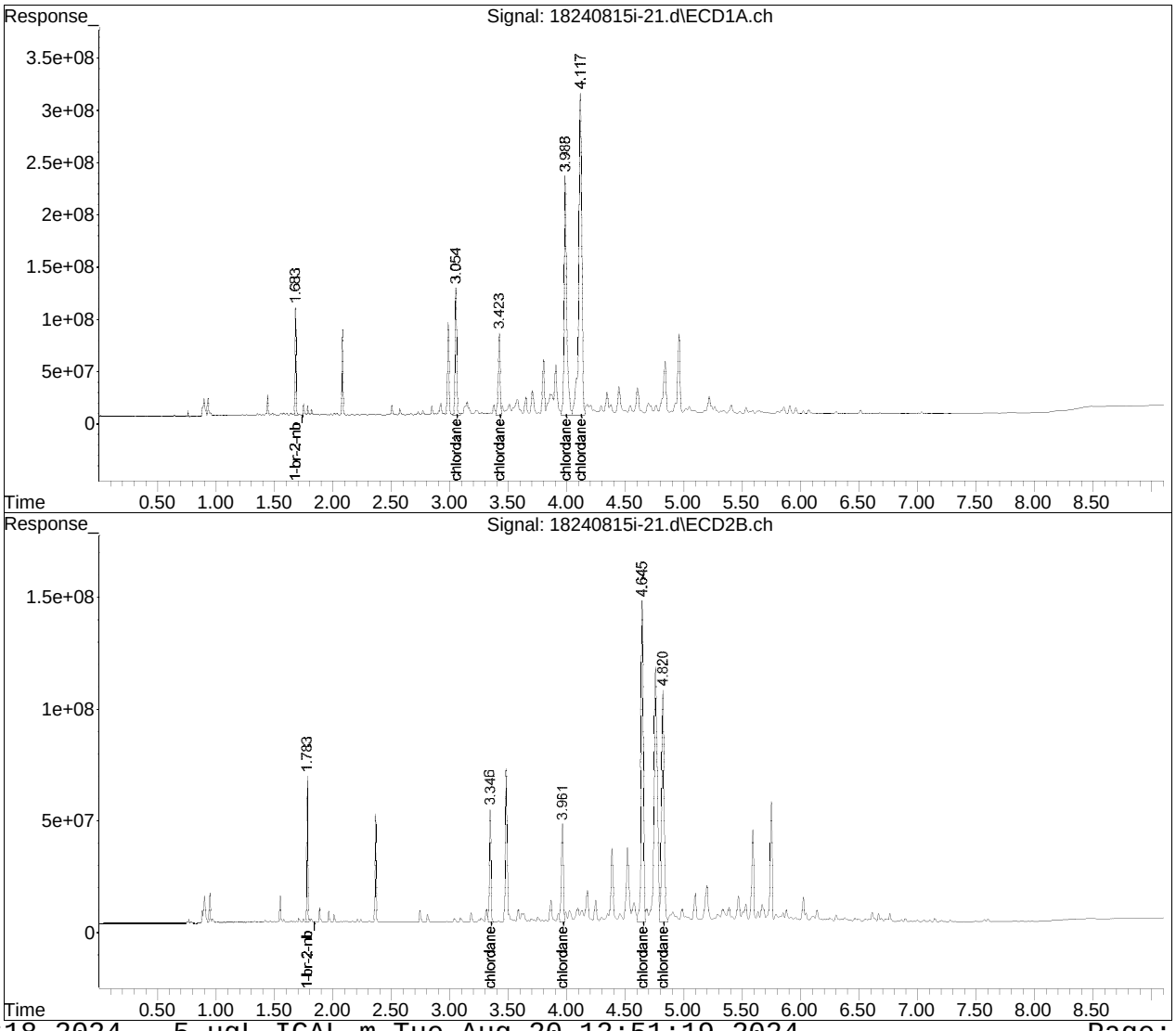
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:31
Operator : PEST18:peg
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:38:47 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

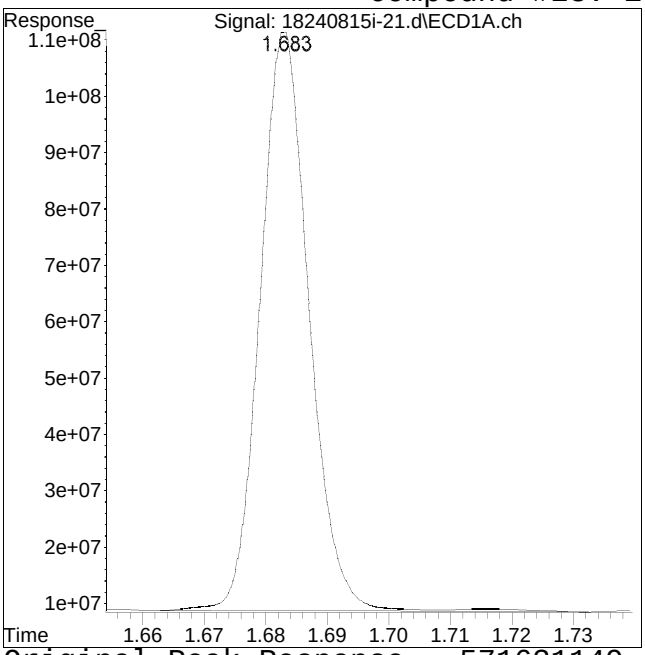
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

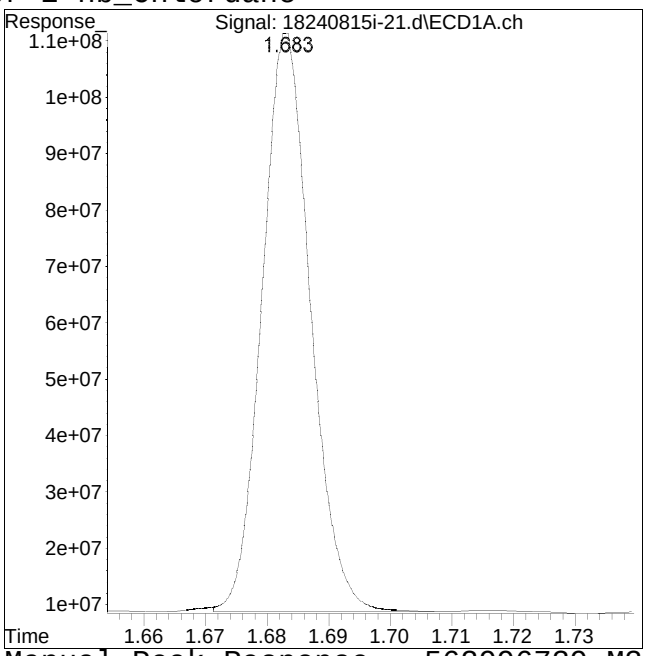


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-21.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:31 Instrument : Pest 18
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 8/20/2024 12:38 pm

Compound #28: 1-br-2-nb_Chlordane



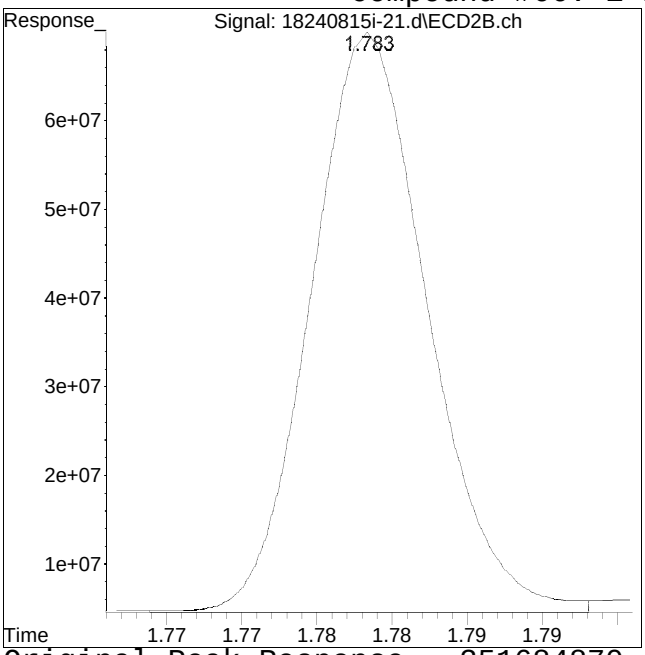


Original Peak Response = 571631149 Manual Peak Response = 562996739 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

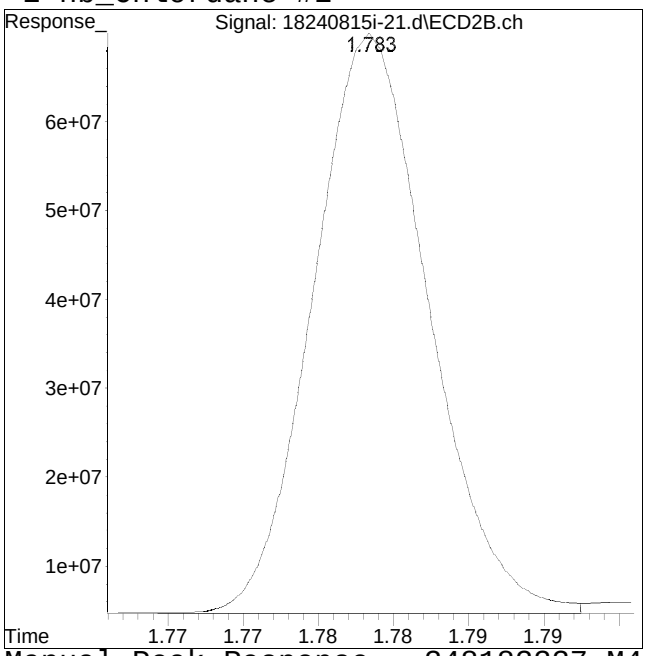
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-21.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:31 Instrument : Pest 18
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 8/20/2024 12:38 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 351684870

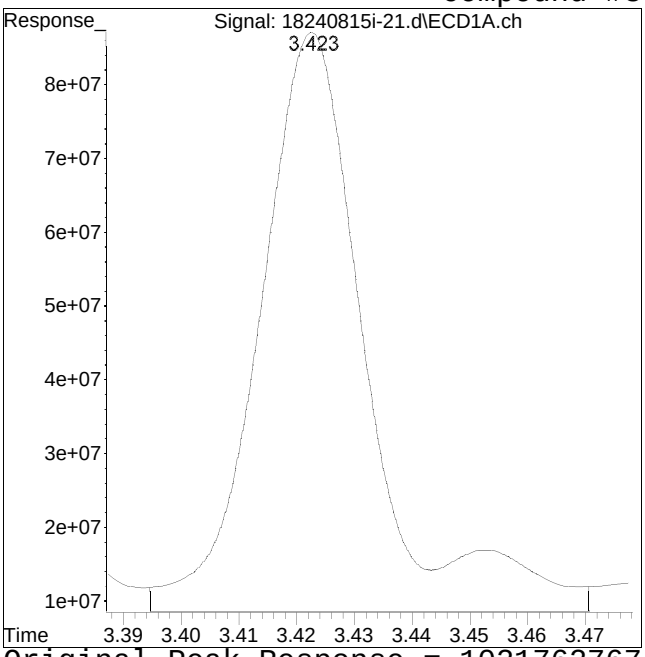


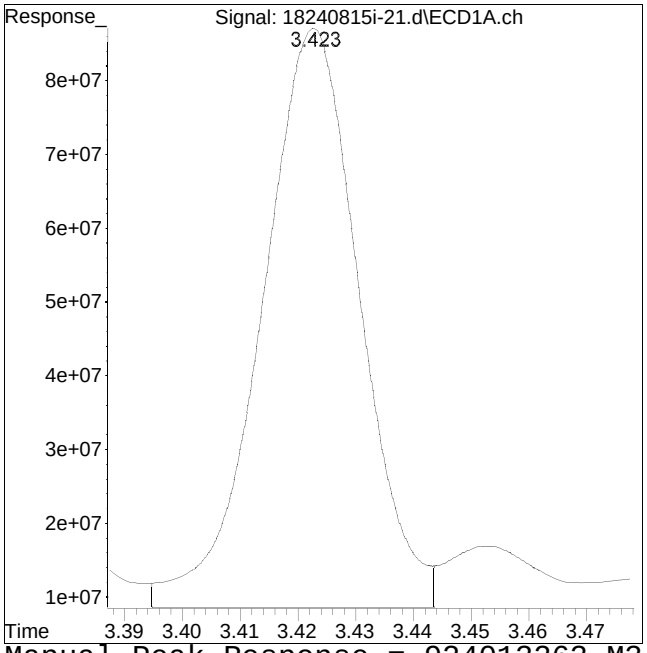
Manual Peak Response = 348183337 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-21.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:31 Instrument : Pest 18
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 8/20/2024 12:38 pm

Compound #30: chlordane-3





Original Peak Response = 1021762767 Manual Peak Response = 924013263 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-22.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:42
Operator : PEST18:peg
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:22:19 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:22:10 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.683	1.784	533.5E6	338.4E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-22.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:42
Operator : PEST18:peg
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:22:19 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:22:10 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.023	5.664	20207446	5410289	18.785M3	15.922
35) l2	toxaphene-2	5.153	5.692	20300317	9211256	17.407M4	17.883
36) l2	toxaphene-3	5.389	6.019	20576430	10612972	17.544M4	17.374
37) l2	toxaphene-4	5.772	6.435	30656317	8938733	26.197M4	16.442
Sum	toxaphene-1			91740510	34173250	79.933	67.621
Average	toxaphene-1					19.983	16.905

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			91740510	34173250	79.933	67.621
Average	toxaphene-1					19.983	16.905

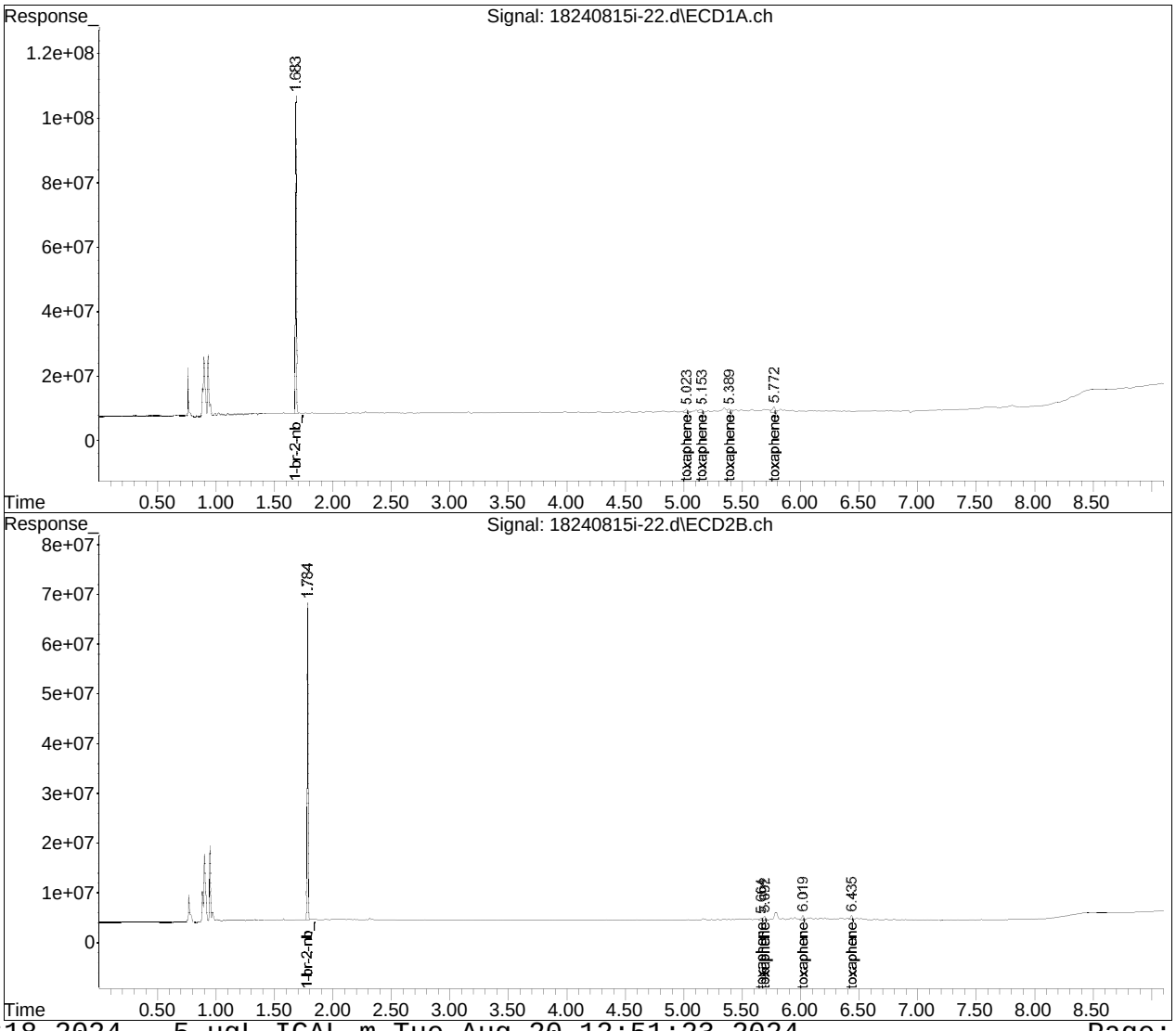
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-22.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:42
Operator : PEST18:peg
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:22:19 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:22:10 2024
Response via : Initial Calibration
Integrator: ChemStation

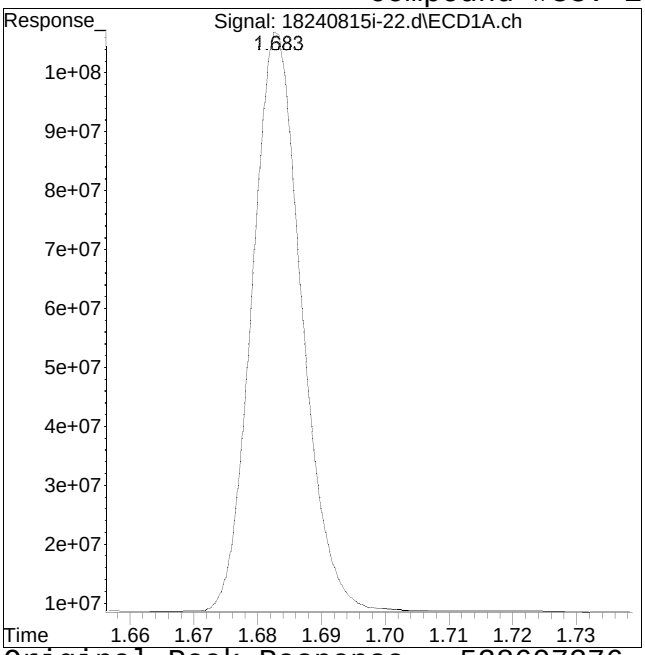
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



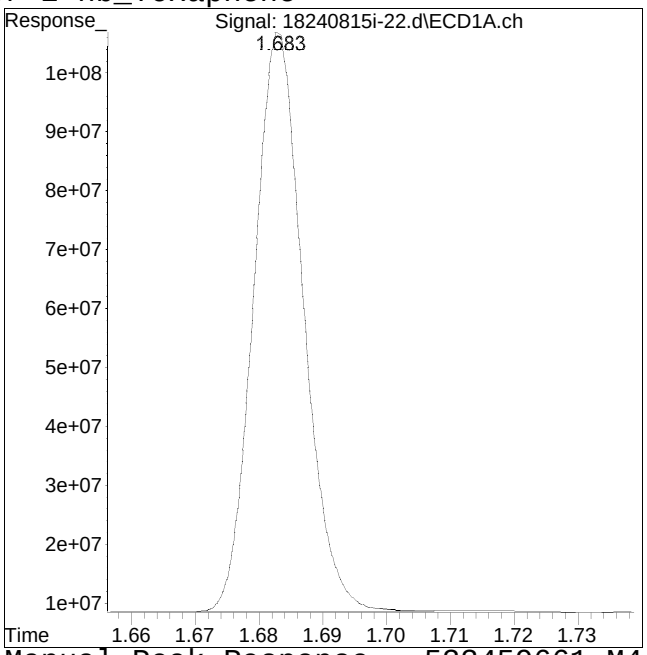
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-22.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:42 Instrument : Pest 18
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 8/20/2024 12:22 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 538607376



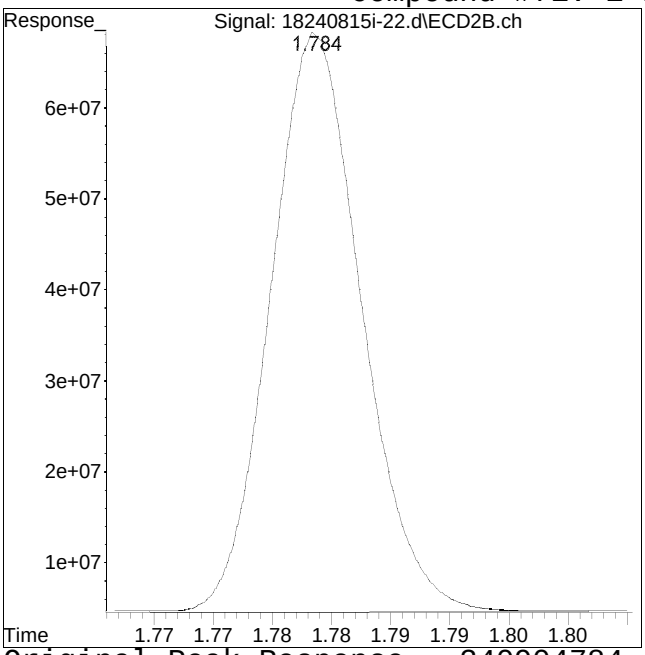
Manual Peak Response = 533459661 M4

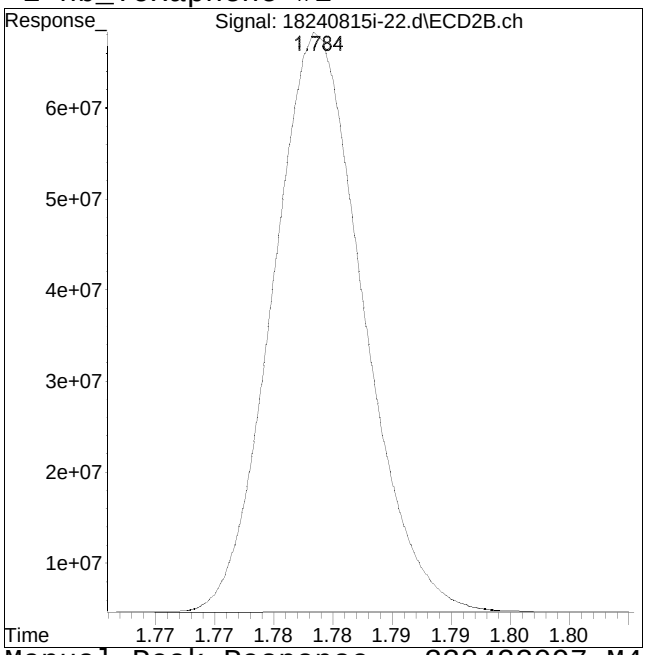
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-22.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:42 Instrument : Pest 18
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 8/20/2024 12:22 pm

Compound #71: 1-br-2-nb_Toxaphene #2



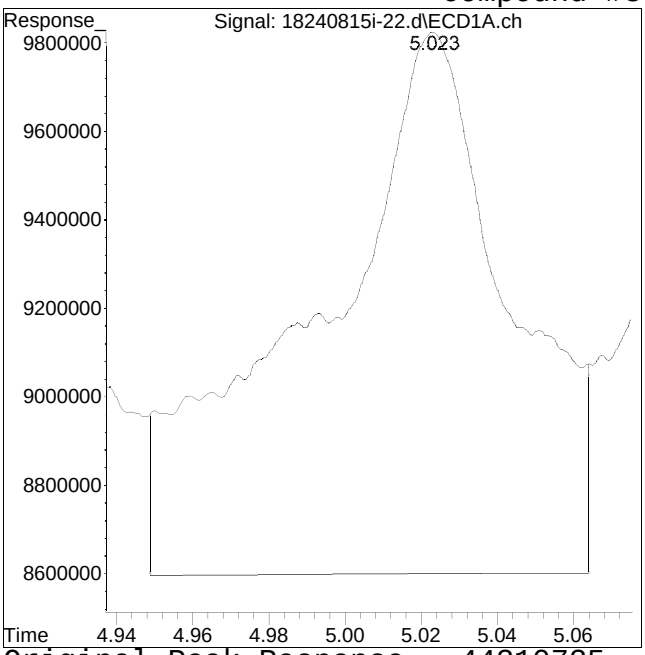


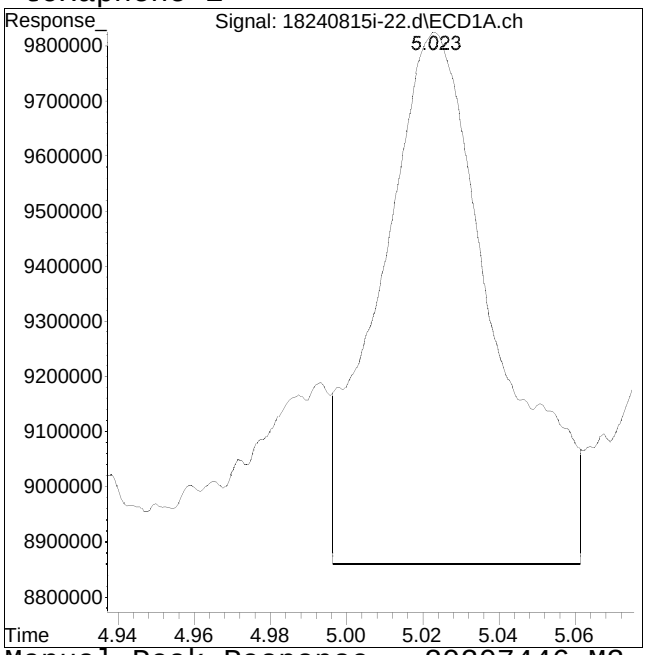
Original Peak Response = 340904784 Manual Peak Response = 338422097 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-22.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:42 Instrument : Pest 18
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 8/20/2024 12:22 pm

Compound #34: toxaphene-1



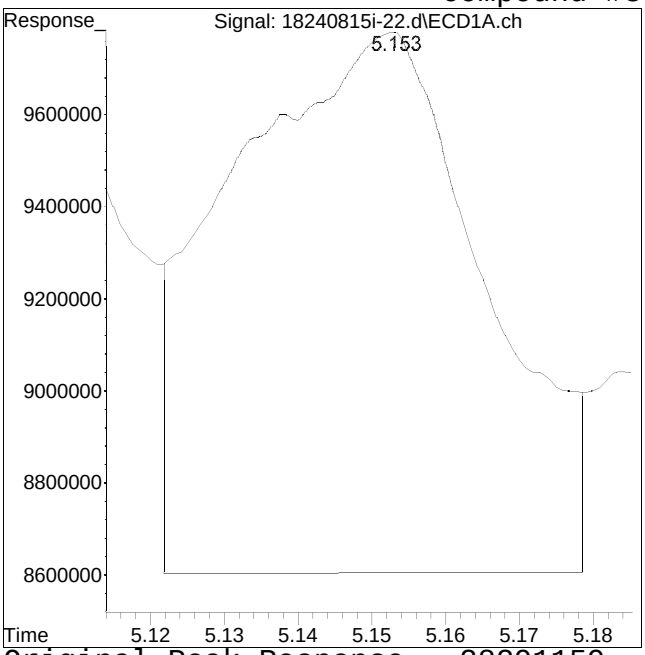


Original Peak Response = 44310735 Manual Peak Response = 20207446 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

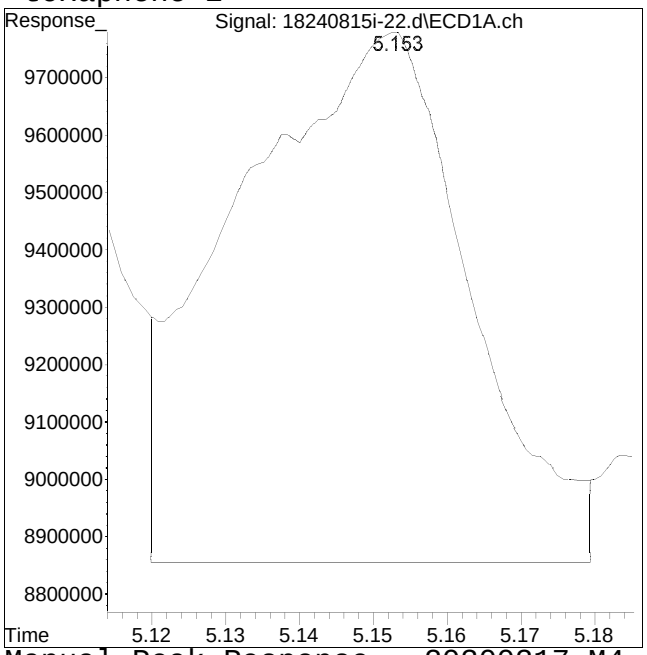
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-22.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:42 Instrument : Pest 18
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 8/20/2024 12:22 pm

Compound #35: toxaphene-2



Original Peak Response = 28291159



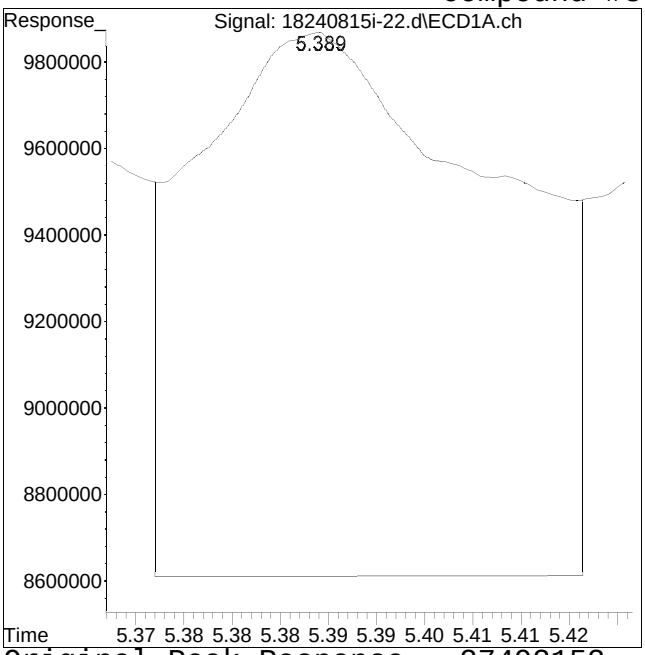
Manual Peak Response = 20300317 M4

M4 = Poor automated baseline construction.

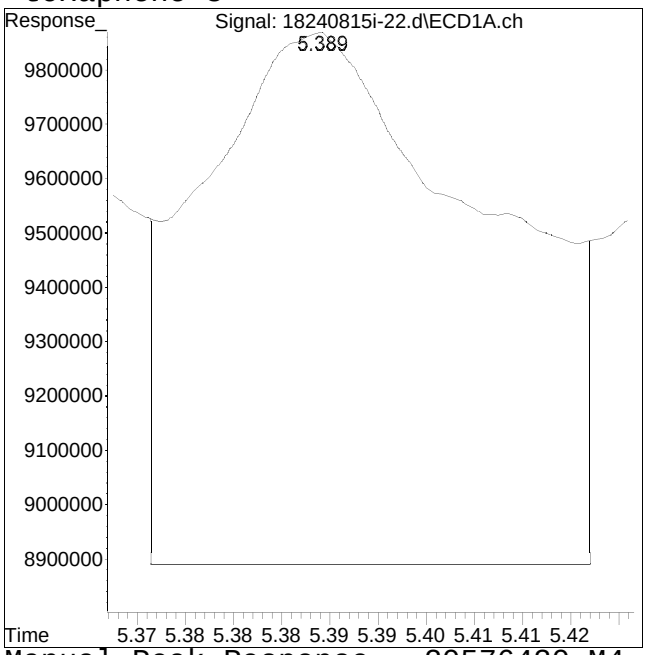
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-22.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:42 Instrument : Pest 18
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 8/20/2024 12:22 pm

Compound #36: toxaphene-3



Original Peak Response = 27492152



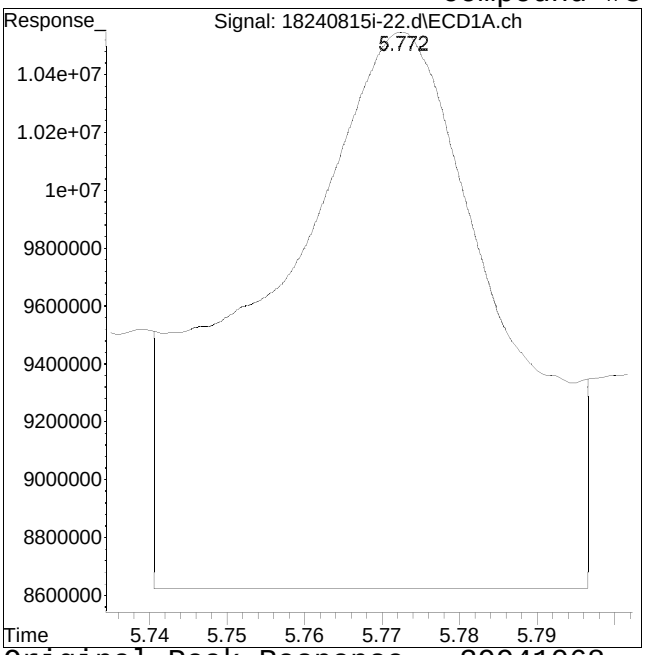
Manual Peak Response = 20576430 M4

M4 = Poor automated baseline construction.

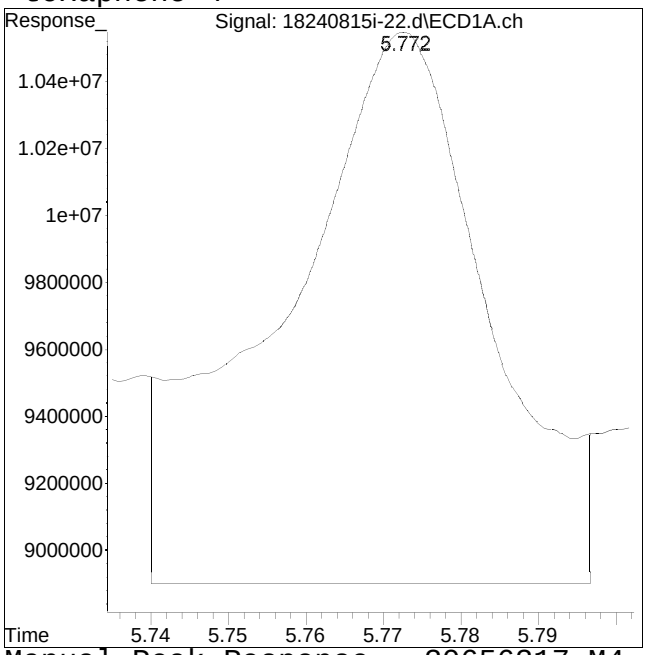
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-22.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:42 Instrument : Pest 18
Sample : il3tox,42e,,pp 11703 L0.02Quant Date : 8/20/2024 12:22 pm

Compound #37: toxaphene-4



Original Peak Response = 39941068



Manual Peak Response = 30656317 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:54
Operator : PEST18:peg
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:29:45 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:29:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.683	1.784	578.9E6	361.6E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:54
Operator : PEST18:peg
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:29:45 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:29:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	5.022	5.663	125.7E6	39774829	109.029M3	109.548
35)	l2	toxaphene-2	5.151	5.692	138.4E6	60202927	109.821M3	109.387
36)	l2	toxaphene-3	5.388	6.019	152.6E6	69978399	119.877	107.218
37)	l2	toxaphene-4	5.773	6.435	132.2E6	64273093	104.146	110.646
	Sum	toxaphene-1			548.9E6	234.2E6	442.873	436.799
Average		toxaphene-1					110.718	109.200

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			548.9E6	234.2E6	442.873	436.799
Average		toxaphene-1					110.718	109.200

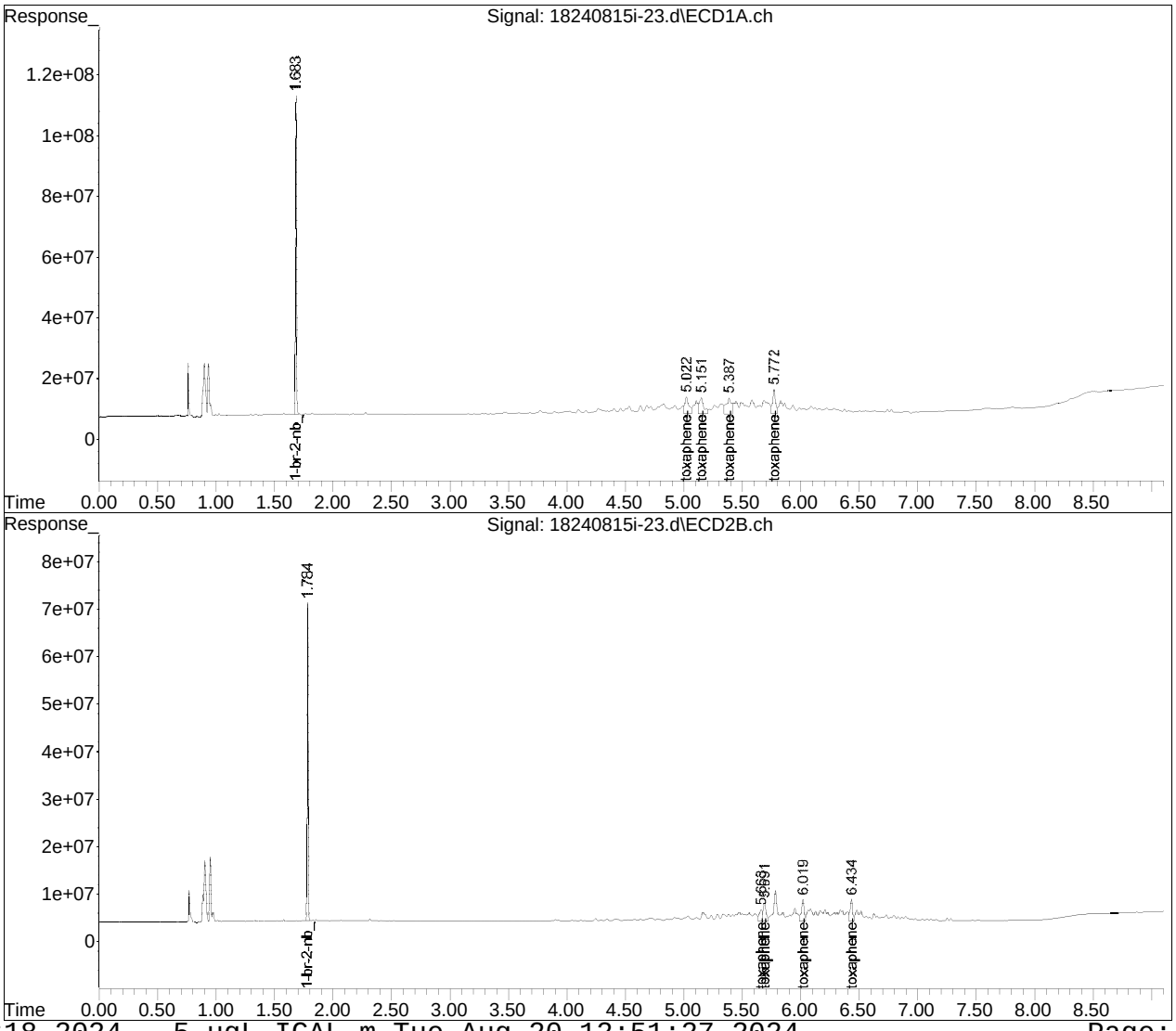
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 17:54
Operator : PEST18:peg
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:29:45 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:29:37 2024
Response via : Initial Calibration
Integrator: ChemStation

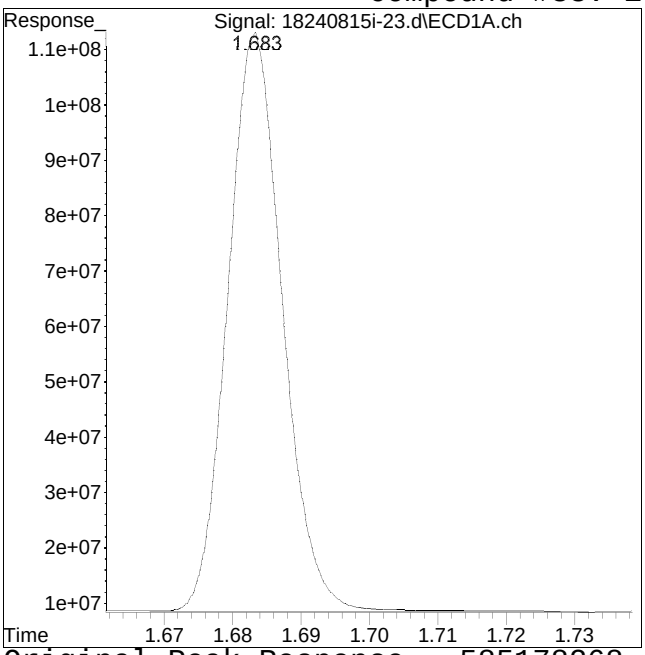
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

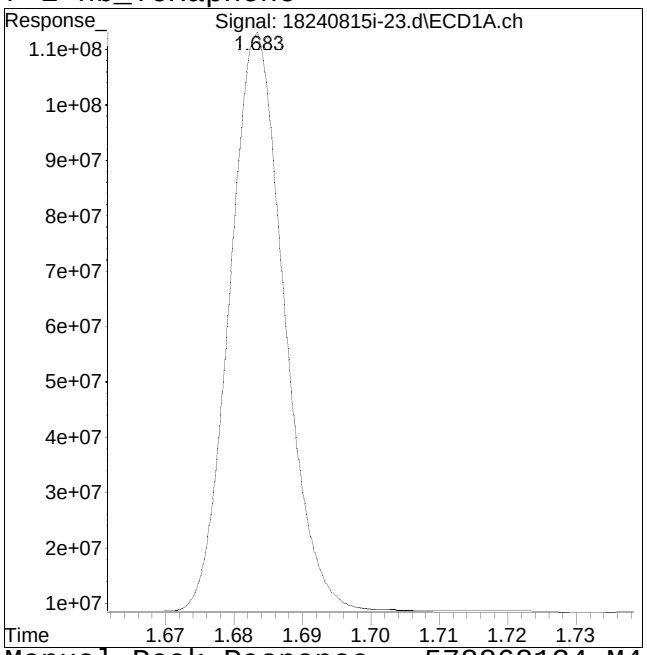


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-23.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:54 Instrument : Pest 18
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 8/20/2024 12:29 pm

Compound #33: 1-br-2-nb_Toxaphene



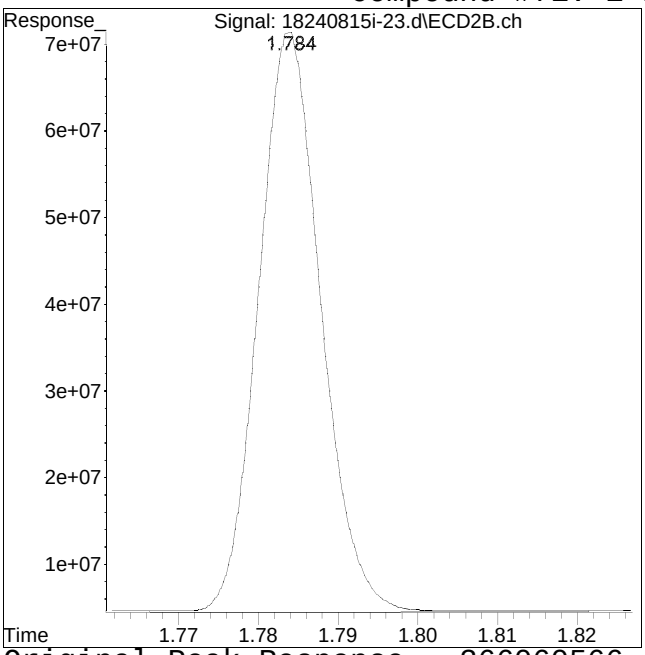


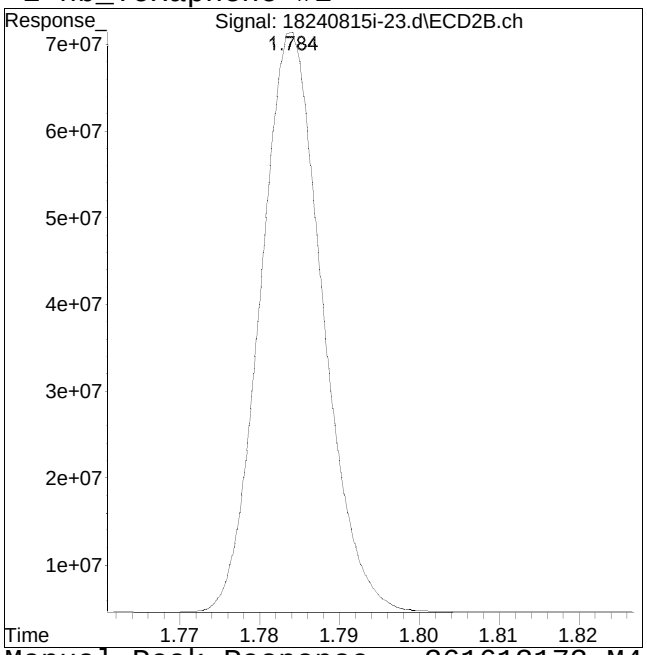
Original Peak Response = 585178268 Manual Peak Response = 578868134 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-23.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:54 Instrument : Pest 18
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 8/20/2024 12:29 pm

Compound #71: 1-br-2-nb_Toxaphene #2



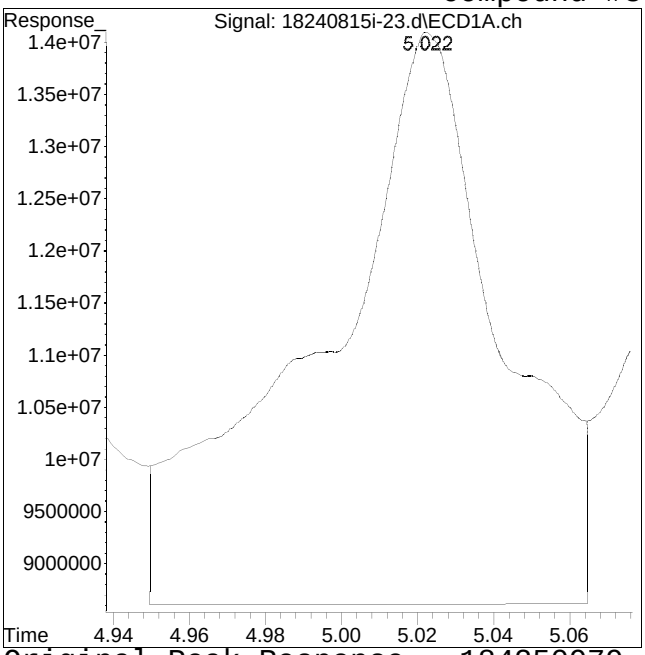


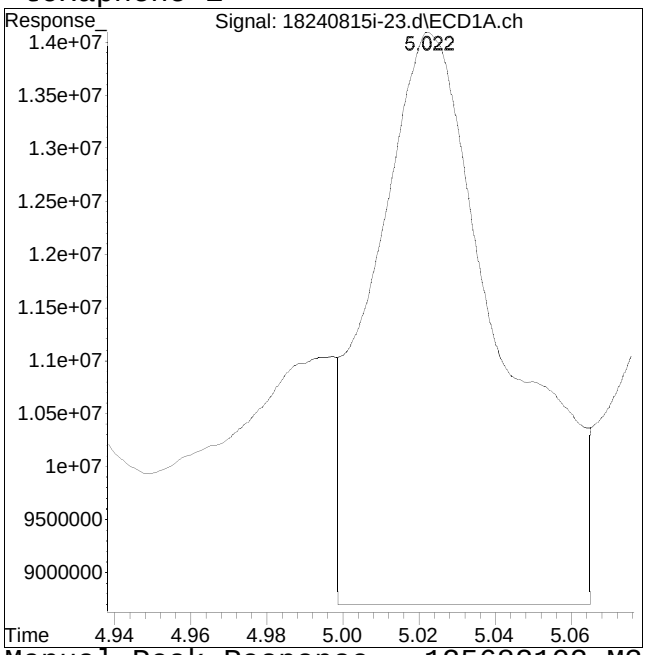
Original Peak Response = 366060566 Manual Peak Response = 361613173 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-23.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:54 Instrument : Pest 18
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 8/20/2024 12:29 pm

Compound #34: toxaphene-1



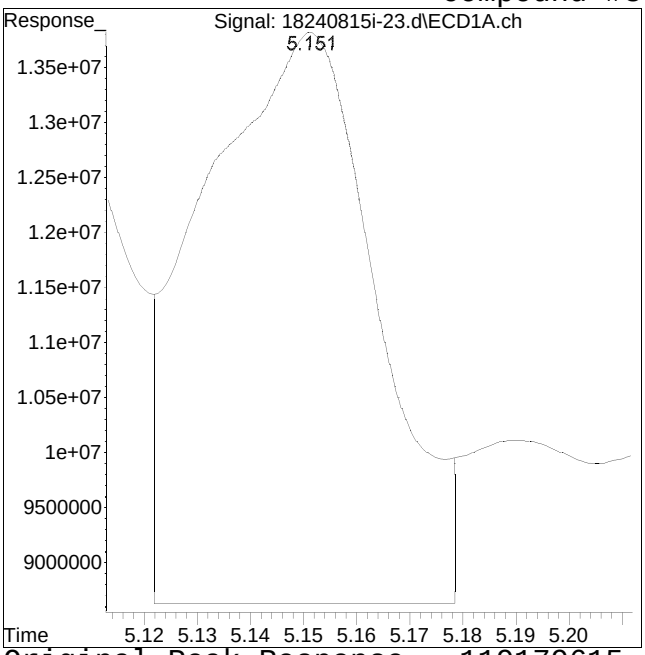


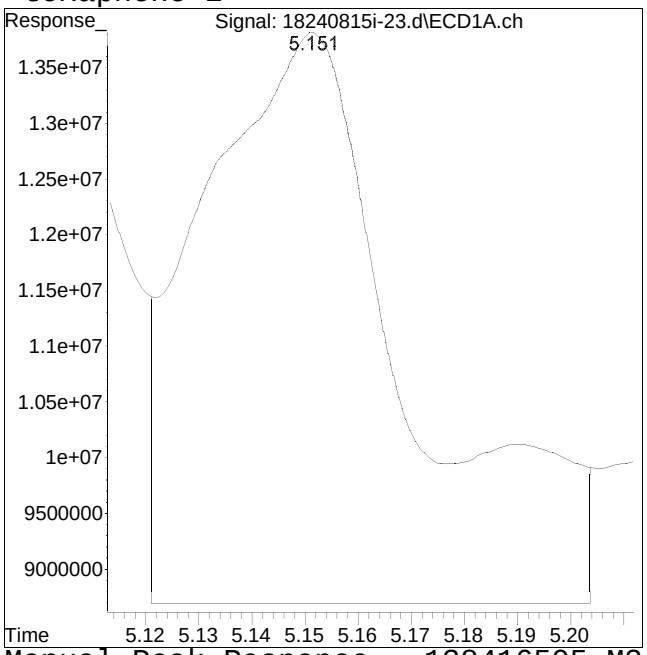
Original Peak Response = 184250979 Manual Peak Response = 125682102 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-23.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 17:54 Instrument : Pest 18
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 8/20/2024 12:29 pm

Compound #35: toxaphene-2





Original Peak Response = 119179615 Manual Peak Response = 138416595 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:05
Operator : PEST18:peg
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:16:37 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:16:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.683	1.784	564.9E6	348.7E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:05
Operator : PEST18:peg
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:16:37 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:16:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.022	5.664	1149.2E6	359.0E6	1035.784M3	989.546
35) l2	toxaphene-2	5.152	5.692	1233.9E6	537.8E6	993.880M3	1009.361
36) l2	toxaphene-3	5.388	6.019	1213.1E6	638.5E6	1001.990	994.915
37) l2	toxaphene-4	5.772	6.435	1098.7E6	573.8E6	1004.097	1000.434
Sum	toxaphene-1			4694.8E6	2109.1E6	4035.751	3994.256
Average	toxaphene-1					1008.938	998.564

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			4694.8E6	2109.1E6	4035.751	3994.256
Average	toxaphene-1					1008.938	998.564

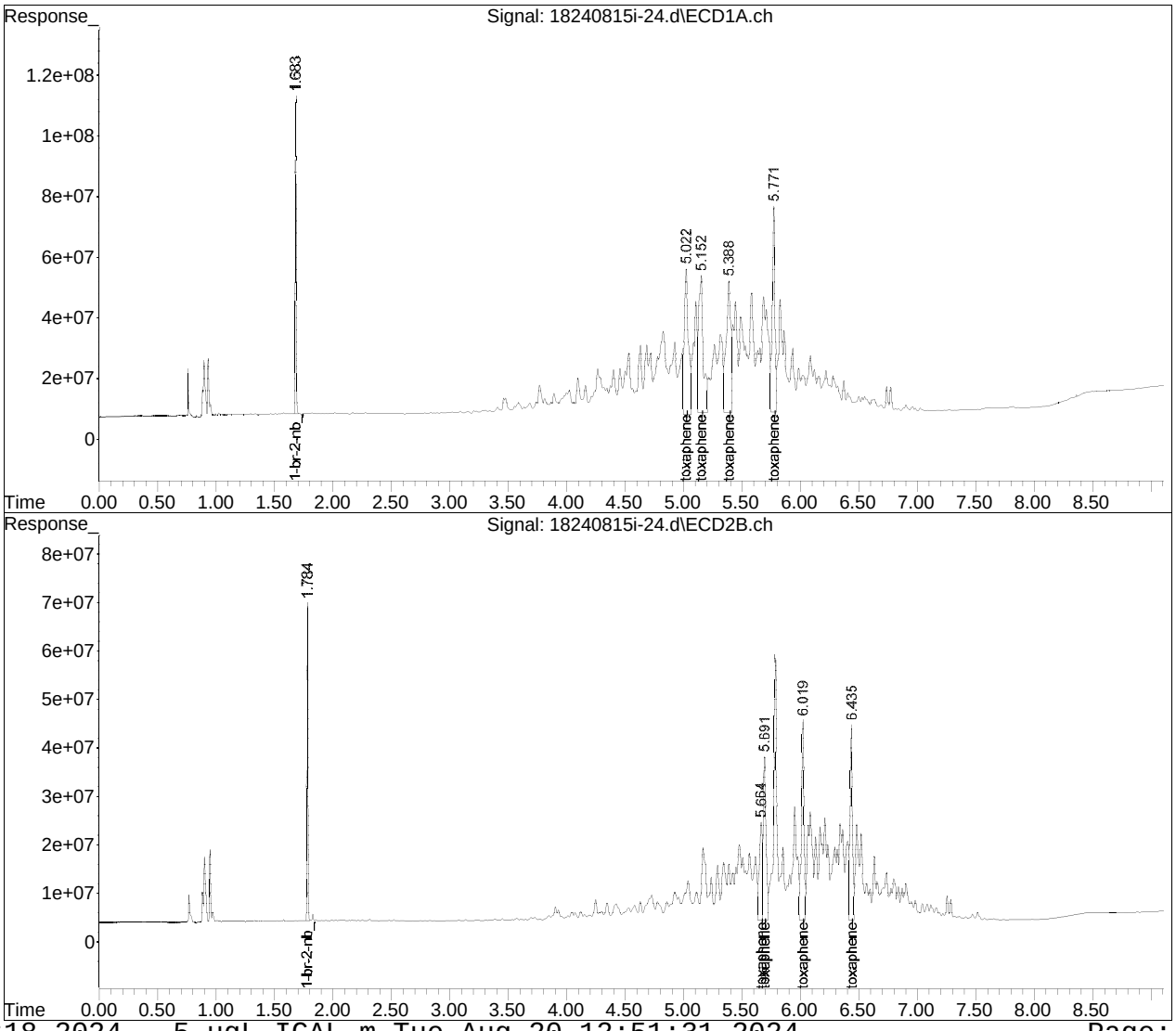
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:05
Operator : PEST18:peg
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:16:37 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:16:30 2024
Response via : Initial Calibration
Integrator: ChemStation

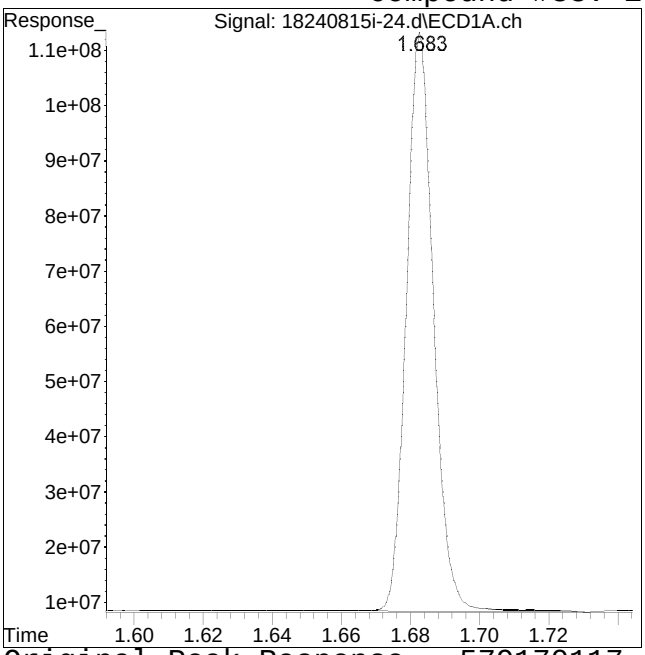
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



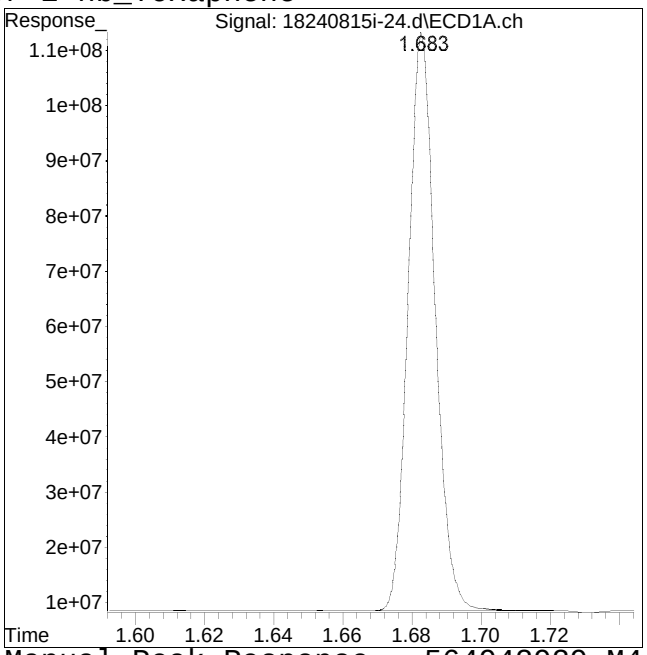
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-24.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:05 Instrument : Pest 18
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 8/16/2024 10:16 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 579170117



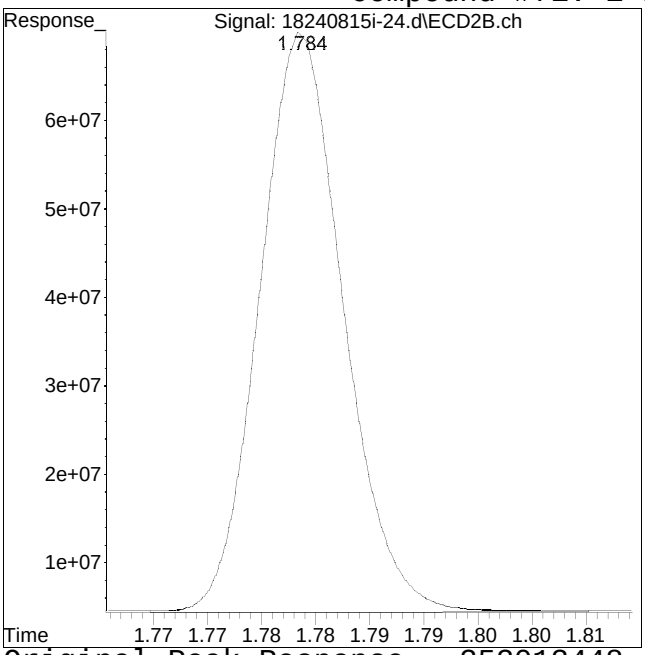
Manual Peak Response = 564942929 M4

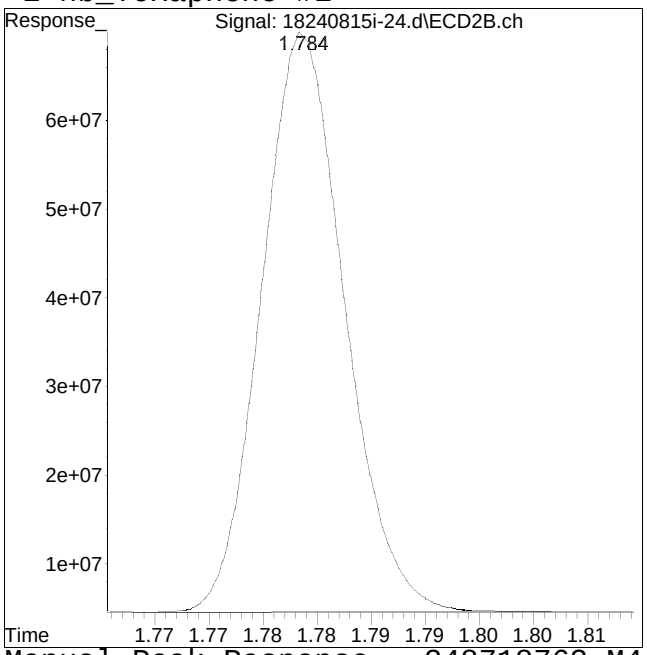
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-24.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:05 Instrument : Pest 18
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 8/16/2024 10:16 am

Compound #71: 1-br-2-nb_Toxaphene #2



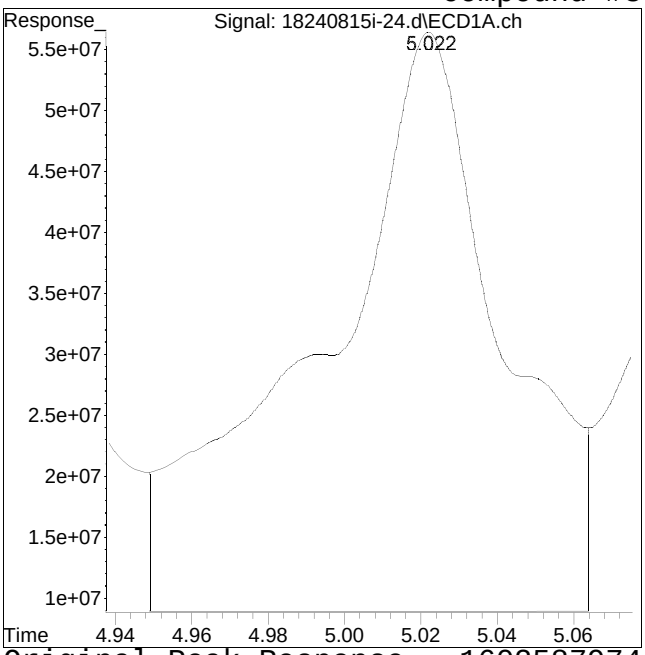


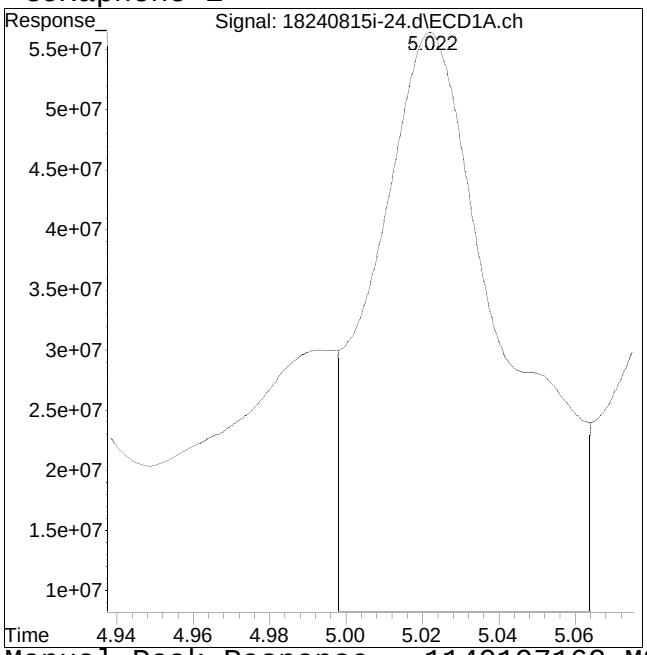
Original Peak Response = 353013448 Manual Peak Response = 348718763 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-24.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:05 Instrument : Pest 18
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 8/16/2024 10:16 am

Compound #34: toxaphene-1



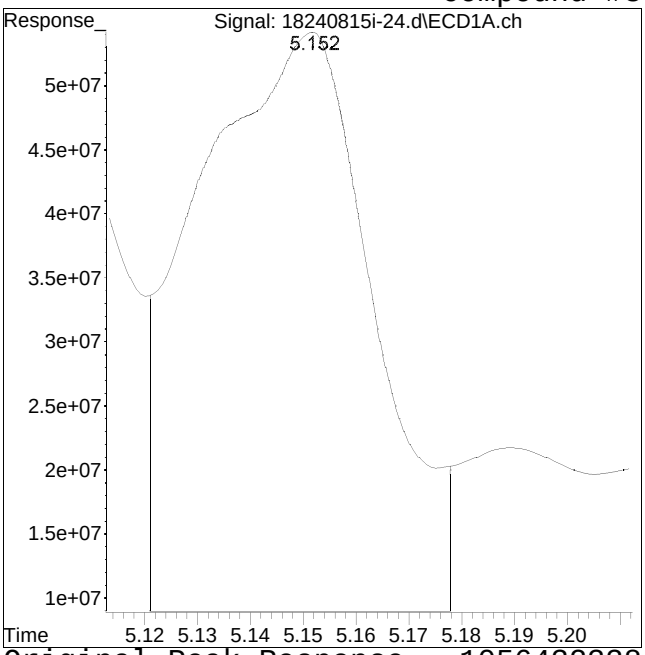


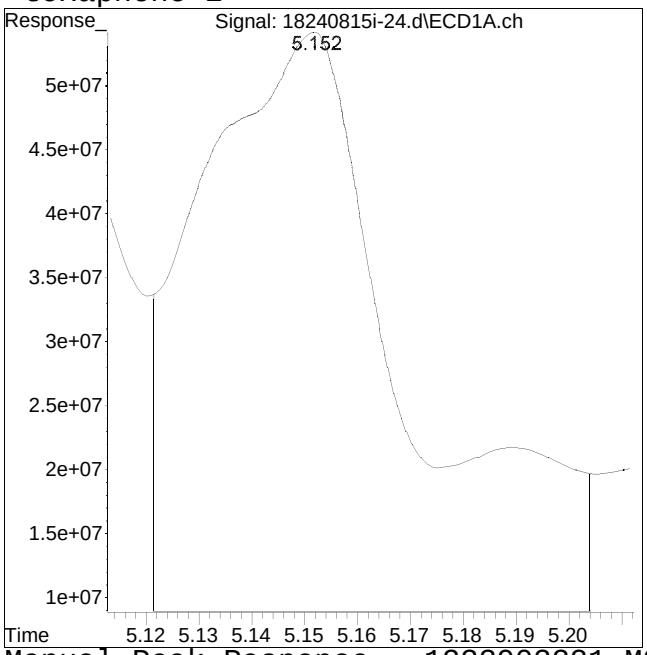
Original Peak Response = 1602587974 Manual Peak Response = 1149197162 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-24.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:05 Instrument : Pest 18
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 8/16/2024 10:16 am

Compound #35: toxaphene-2





Original Peak Response = 1056432338 Manual Peak Response = 1233903221 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:17
Operator : PEST18:peg
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:12:36 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:12:24 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.683	1.783	561.3E6	355.0E6	25.000M4	25.000M2
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:17
Operator : PEST18:peg
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:12:36 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:12:24 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	5.022	5.664	2260.9E6	749.9E6	2000.000M2	2000.000M2
35)	l2	toxaphene-2	5.152	5.692	2544.1E6	1060.5E6	2000.000M2	2000.000M2
36)	l2	toxaphene-3	5.388	6.019	2426.4E6	1293.2E6	2000.000M2	2000.000M2
37)	l2	toxaphene-4	5.773	6.434	2225.2E6	1147.2E6	2000.000M2	2000.000M2
	Sum	toxaphene-1			9456.5E6	4250.8E6	8000.000	8000.000
Average		toxaphene-1					2000.000	2000.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			9456.5E6	4250.8E6	8000.000	8000.000
Average		toxaphene-1					2000.000	2000.000

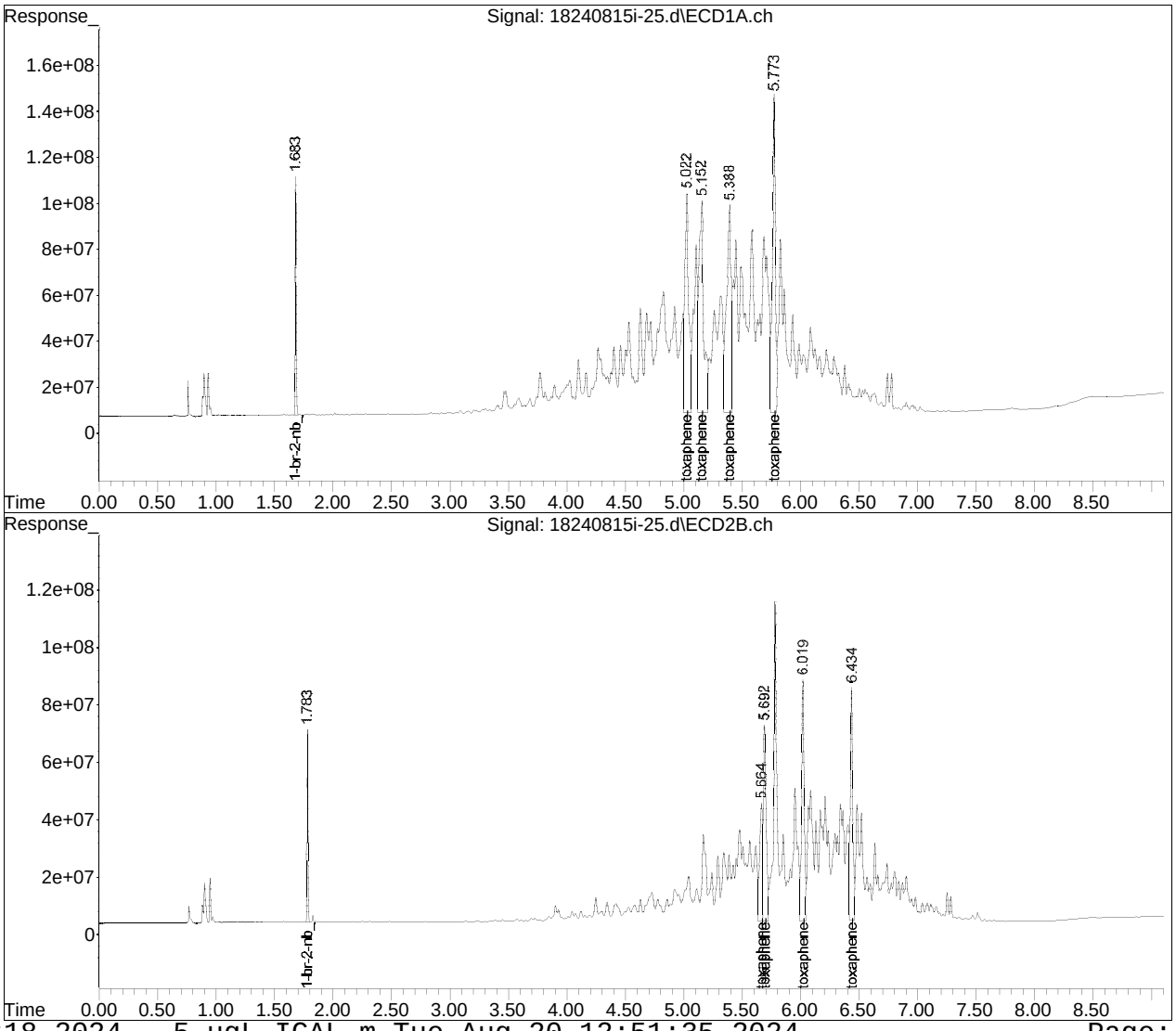
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:17
Operator : PEST18:peg
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:12:36 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:12:24 2024
Response via : Initial Calibration
Integrator: ChemStation

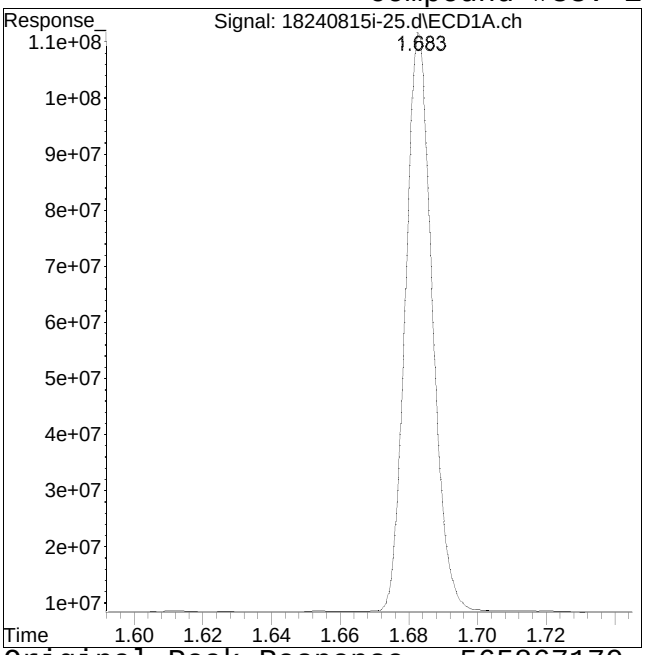
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

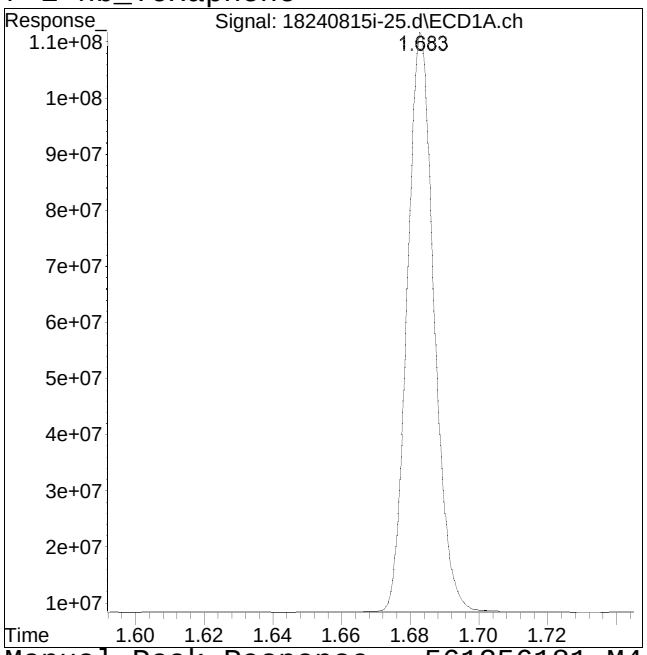


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-25.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:17 Instrument : Pest 18
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/16/2024 10:12 am

Compound #33: 1-br-2-nb_Toxaphene



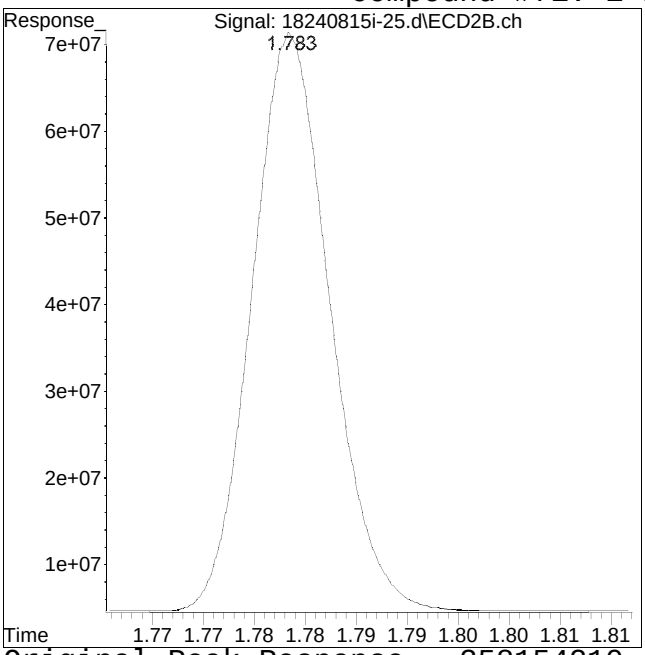


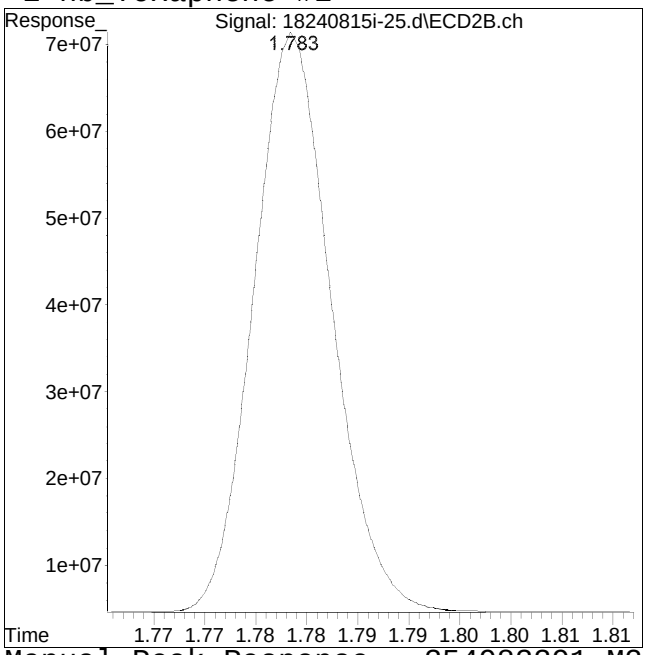
Original Peak Response = 565867170 Manual Peak Response = 561256181 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-25.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:17 Instrument : Pest 18
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/16/2024 10:12 am

Compound #71: 1-br-2-nb_Toxaphene #2



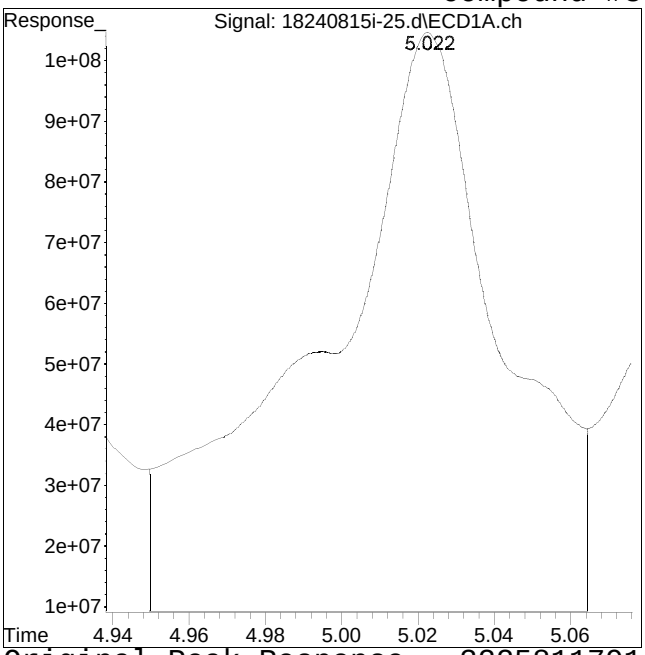


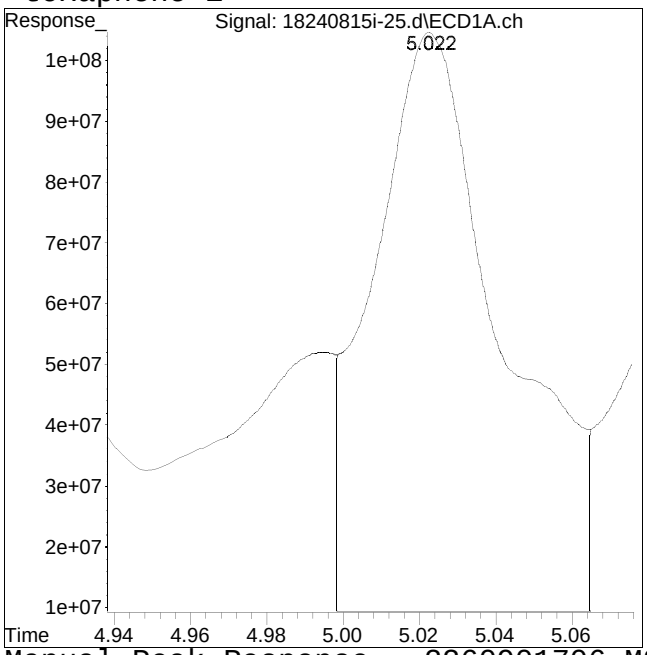
Original Peak Response = 358154210 Manual Peak Response = 354983391 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-25.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:17 Instrument : Pest 18
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/16/2024 10:12 am

Compound #34: toxaphene-1



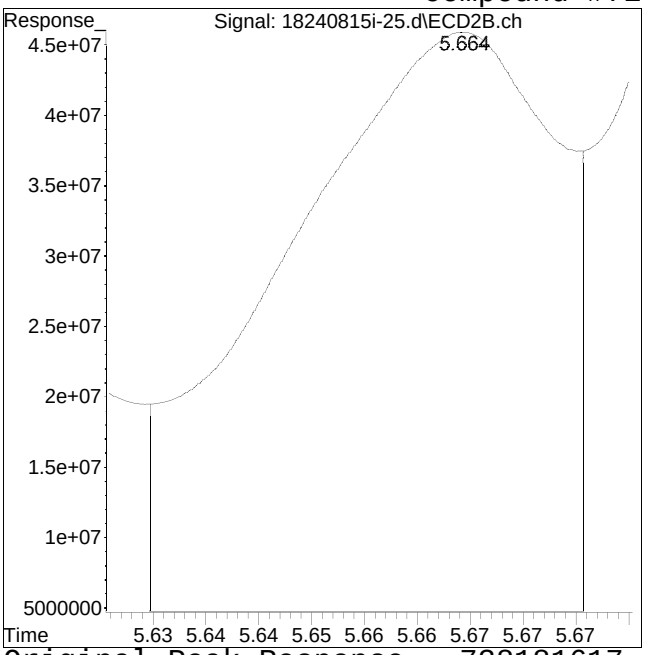


Original Peak Response = 3225811791 Manual Peak Response = 2260901706 M2
M2 = Peak not found by automatic integration algorithm.

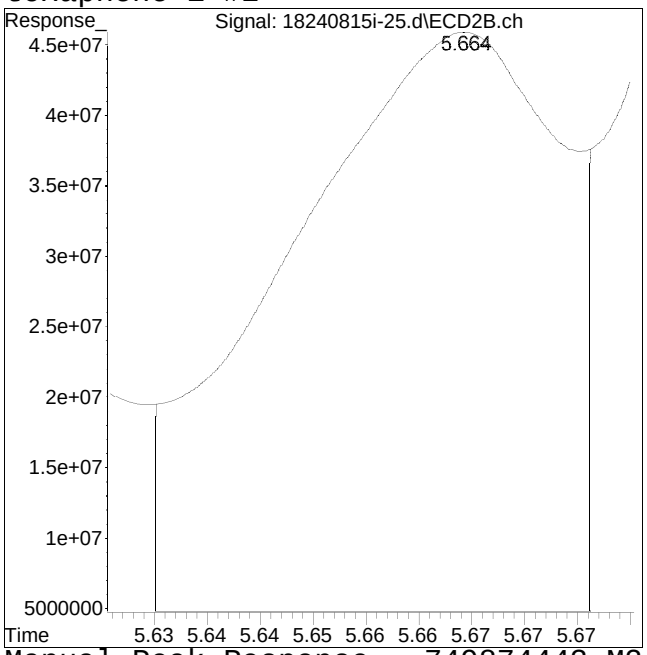
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-25.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:17 Instrument : Pest 18
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/16/2024 10:12 am

Compound #72: toxaphene-1 #2



Original Peak Response = 738181617



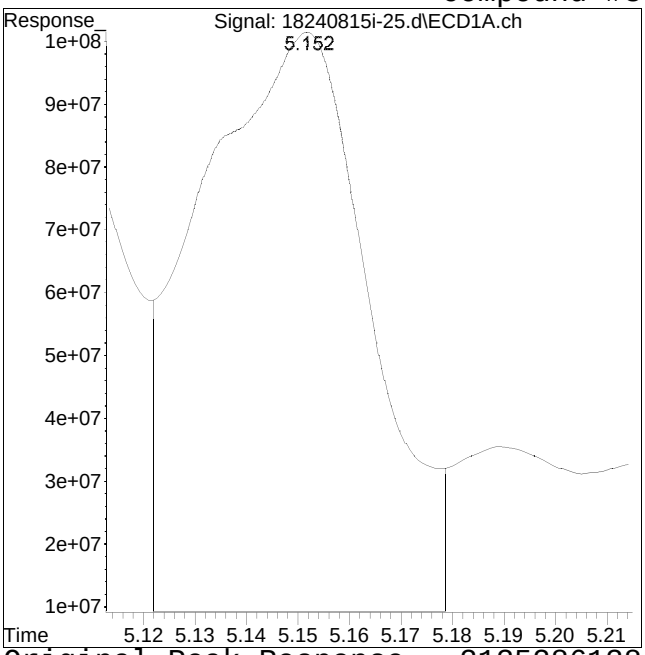
Manual Peak Response = 749874443 M2

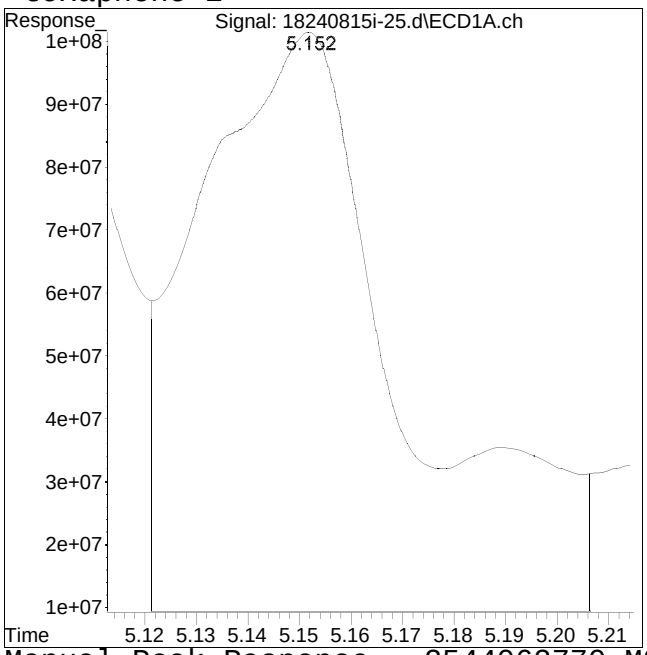
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-25.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:17 Instrument : Pest 18
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/16/2024 10:12 am

Compound #35: toxaphene-2



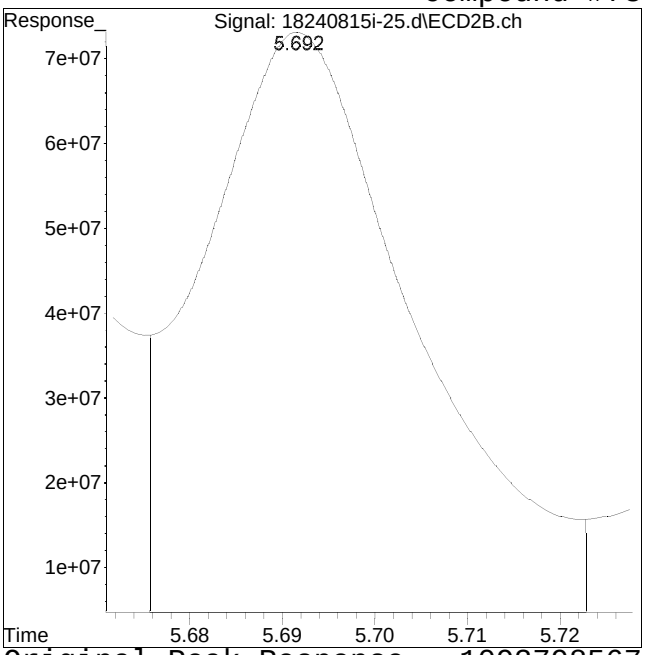


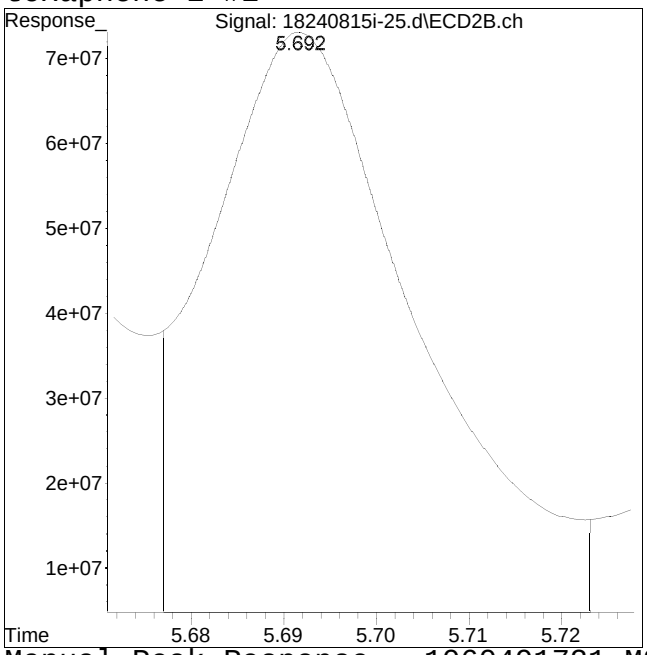
Original Peak Response = 2135286138 Manual Peak Response = 2544062770 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-25.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:17 Instrument : Pest 18
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/16/2024 10:12 am

Compound #73: toxaphene-2 #2



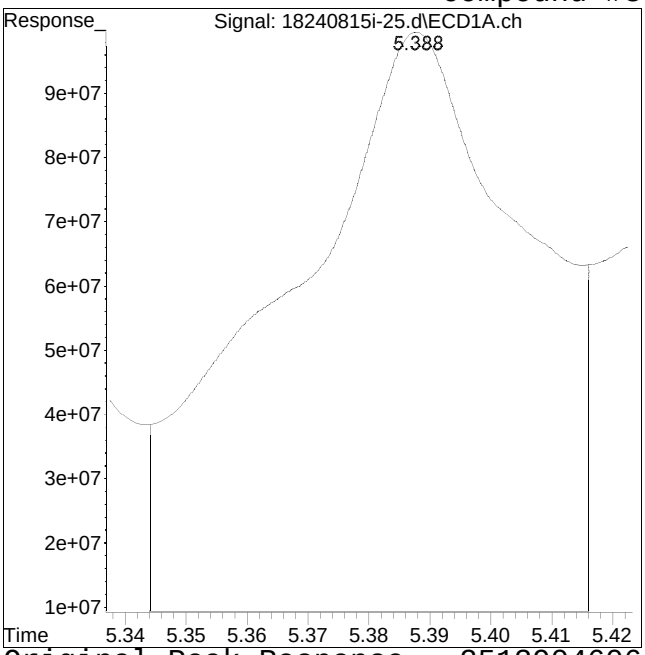


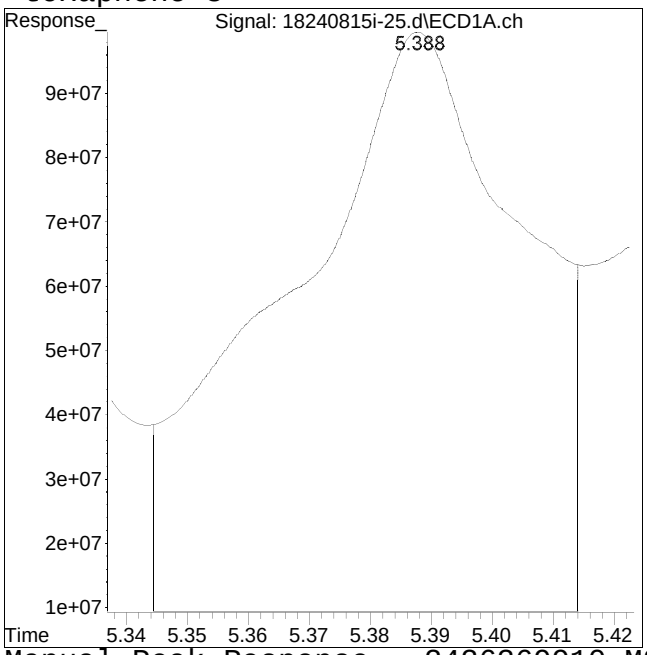
Original Peak Response = 1093798567 Manual Peak Response = 1060491721 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-25.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:17 Instrument : Pest 18
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/16/2024 10:12 am

Compound #36: toxaphene-3



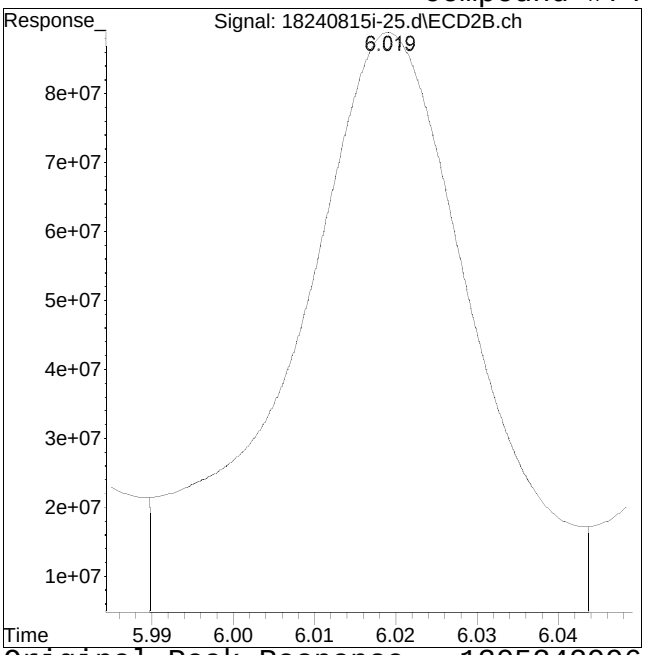


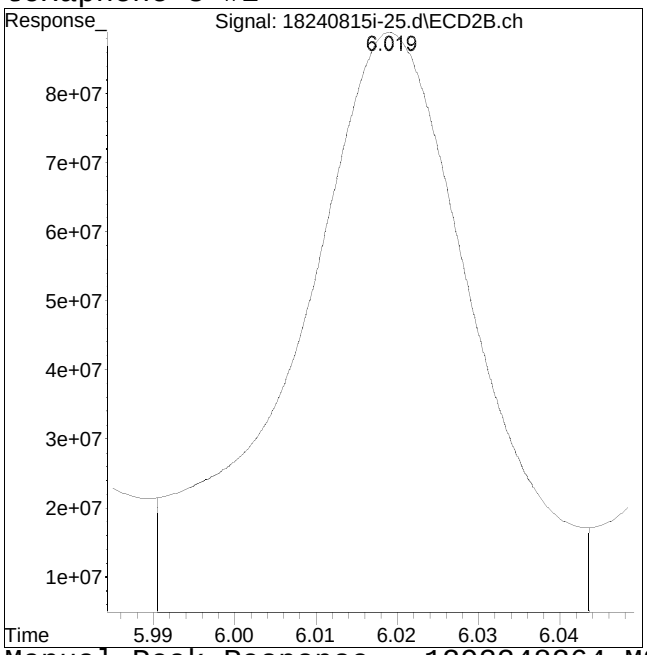
Original Peak Response = 2513904606 Manual Peak Response = 2426369910 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-25.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:17 Instrument : Pest 18
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/16/2024 10:12 am

Compound #74: toxaphene-3 #2



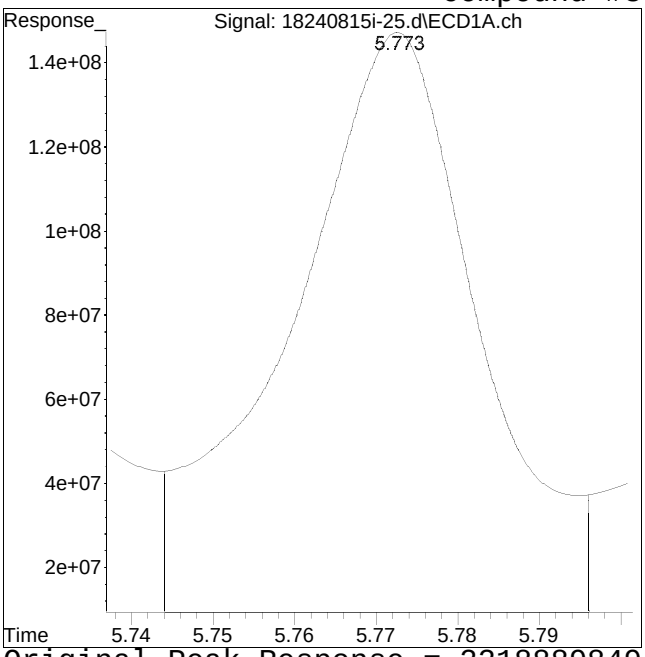


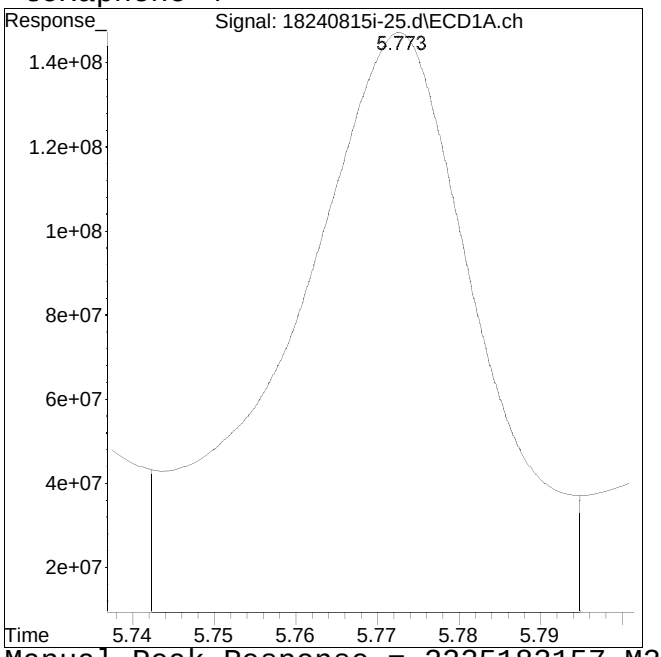
Original Peak Response = 1305242996 Manual Peak Response = 1293248264 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-25.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:17 Instrument : Pest 18
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/16/2024 10:12 am

Compound #37: toxaphene-4



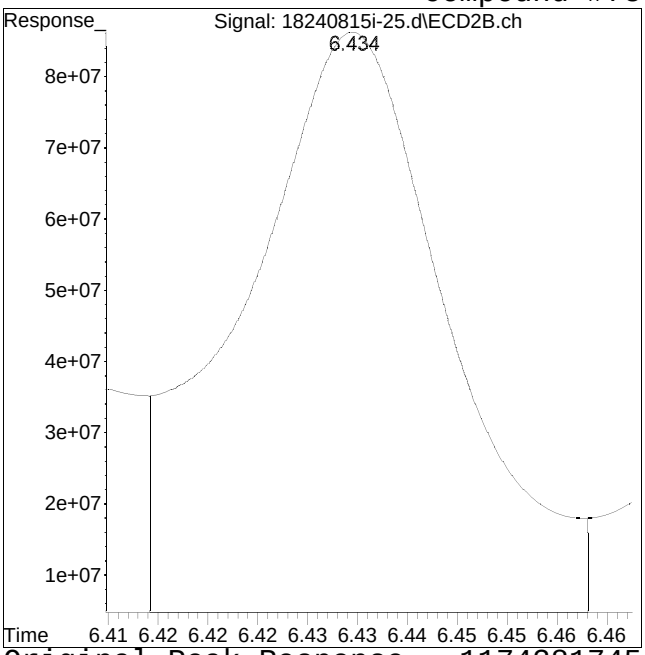


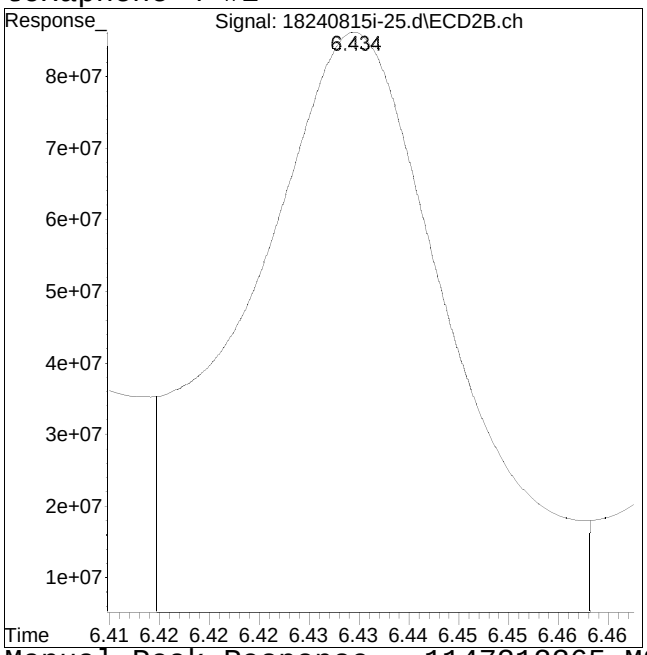
Original Peak Response = 2218889849 Manual Peak Response = 2225183157 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-25.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:17 Instrument : Pest 18
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/16/2024 10:12 am

Compound #75: toxaphene-4 #2





Original Peak Response = 1174381745 Manual Peak Response = 1147212365 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-26.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:28
Operator : PEST18:peg
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:14:44 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:14:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.683	1.783	593.5E6	359.0E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-26.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:28
Operator : PEST18:peg
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:14:44 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:14:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.022	5.664	5617.7E6	1858.6E6	4845.068M3	4950.161
35) l2	toxaphene-2	5.151	5.692	6356.9E6	2778.9E6	4859.124M3	5089.348
36) l2	toxaphene-3	5.388	6.020	6291.4E6	3354.4E6	4951.599	5063.801
37) l2	toxaphene-4	5.772	6.435	5588.8E6	3002.6E6	4871.946	5086.342
Sum	toxaphene-1			23854.8E6	10994.4E6	19527.737	20189.651
Average	toxaphene-1					4881.934	5047.413

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			23854.8E6	10994.4E6	19527.737	20189.651
Average	toxaphene-1					4881.934	5047.413

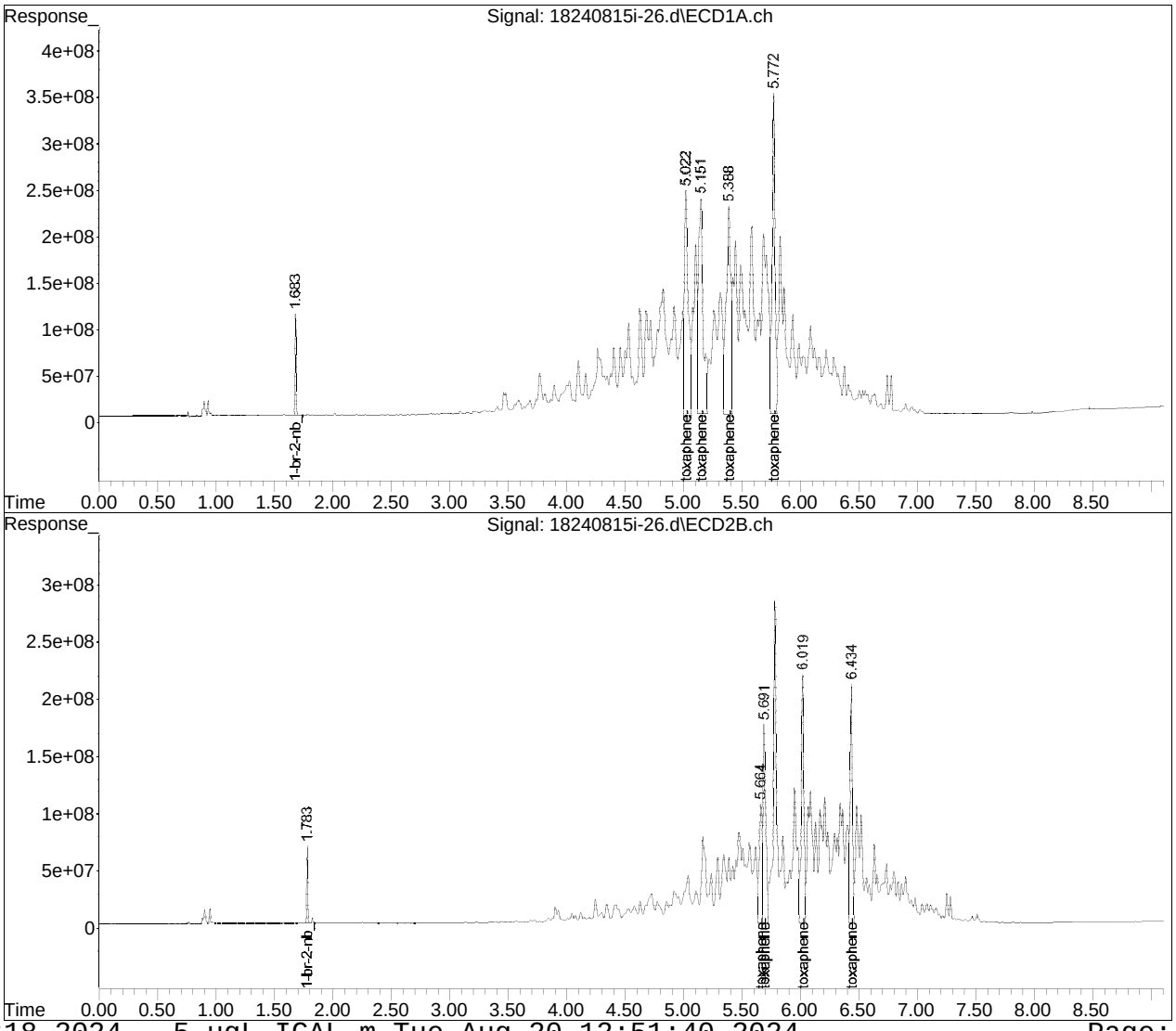
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-26.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:28
Operator : PEST18:peg
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 16 10:14:44 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Fri Aug 16 10:14:35 2024
Response via : Initial Calibration
Integrator: ChemStation

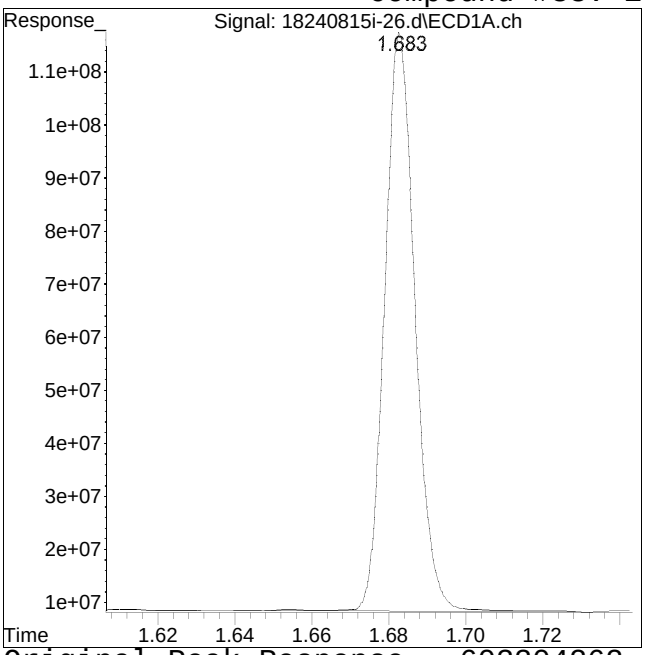
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



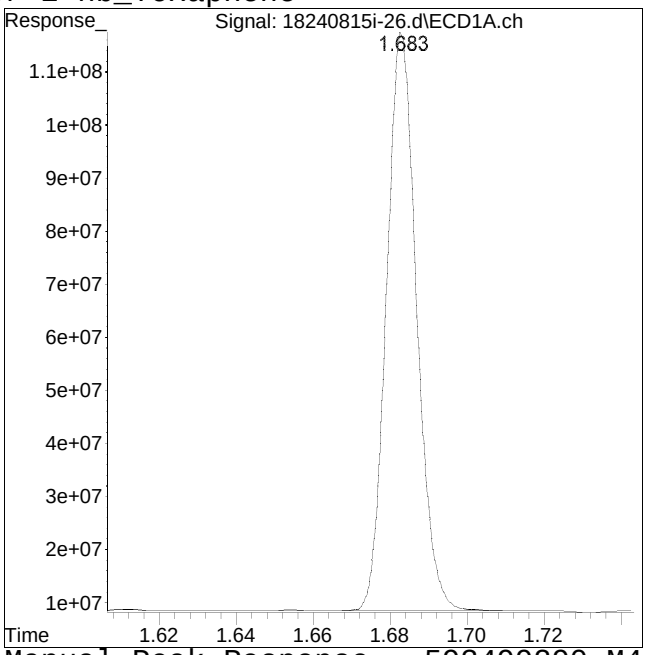
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-26.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:28 Instrument : Pest 18
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 8/16/2024 10:14 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 603304262



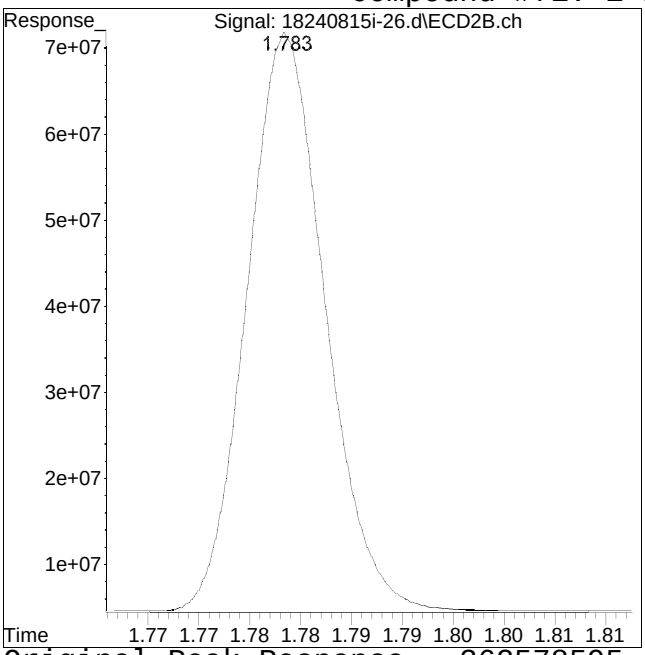
Manual Peak Response = 593499290 M4

M4 = Poor automated baseline construction.

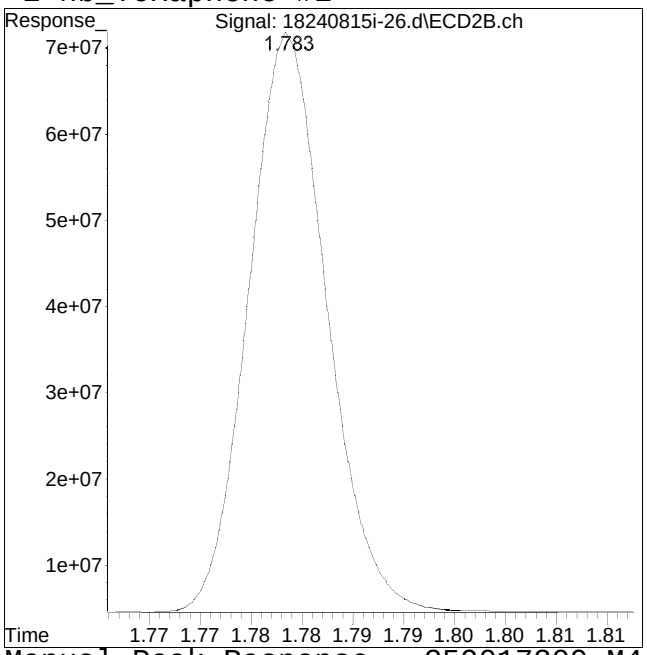
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-26.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:28 Instrument : Pest 18
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 8/16/2024 10:14 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 362578595



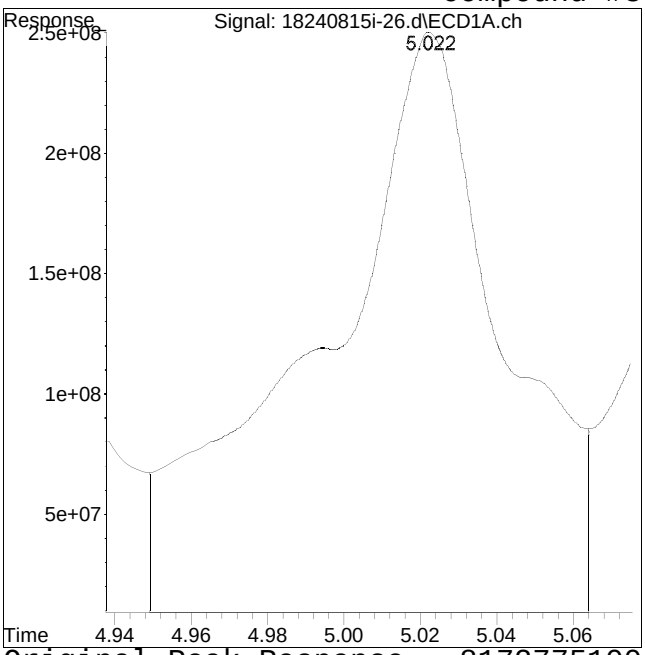
Manual Peak Response = 359017300 M4

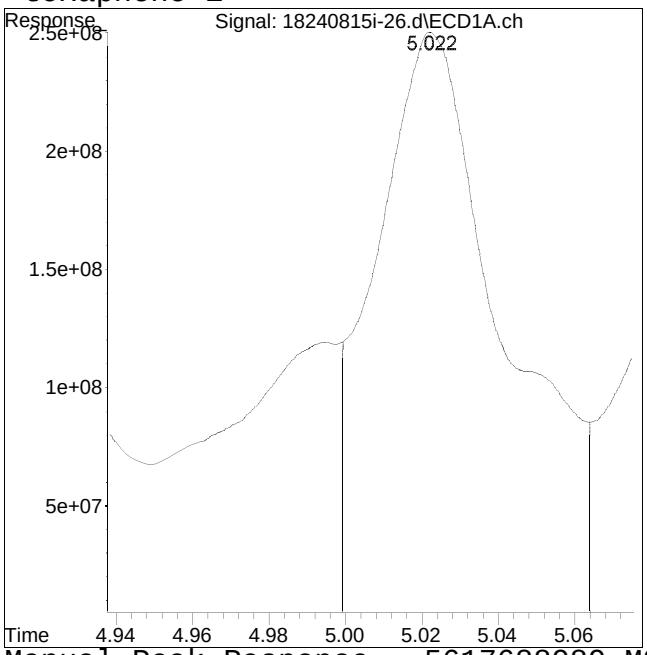
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-26.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:28 Instrument : Pest 18
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 8/16/2024 10:14 am

Compound #34: toxaphene-1



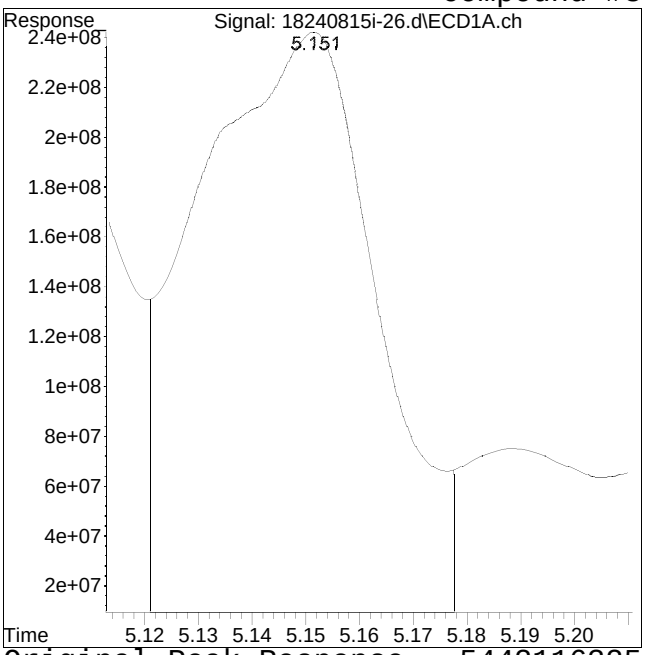


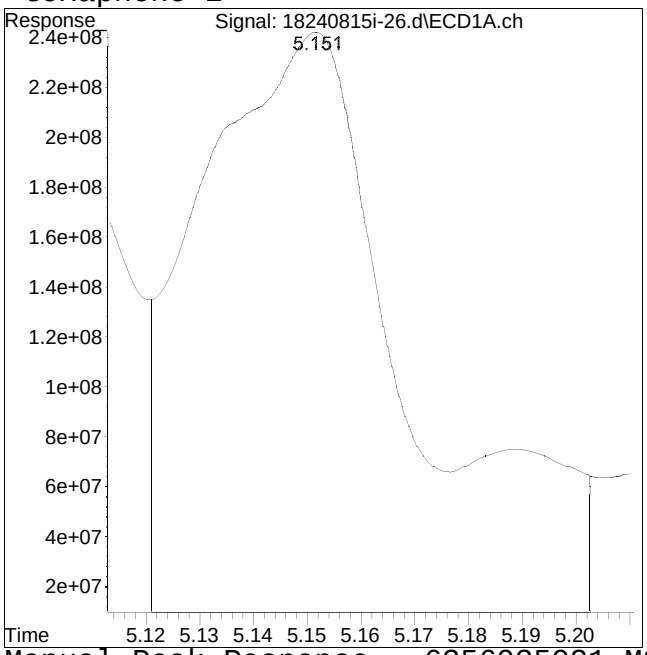
Original Peak Response = 8172775100 Manual Peak Response = 5617688989 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-26.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:28 Instrument : Pest 18
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 8/16/2024 10:14 am

Compound #35: toxaphene-2





Original Peak Response = 5442116325 Manual Peak Response = 6356935921 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Aug 2024 18:39
Operator : PEST18:peg
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:39:39 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	107	0.00
34	l2	toxaphene-1		0.050	0.045	10.0	97	0.00
35	l2	toxaphene-2		0.054	0.050	7.4	96	0.00
36	l2	toxaphene-3		0.055	0.049	10.9	97	0.00
37	l2	toxaphene-4		0.055	0.044	20.0	96	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	103	0.00
34	l2	toxaphene-1		0.025	0.025	0.0	95	0.00
35	l2	toxaphene-2		0.038	0.037	2.6	101	0.00
36	l2	toxaphene-3		0.045	0.042	6.7	94	0.00
37	l2	toxaphene-4		0.040	0.041	-2.5	103	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.68#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.220	0.000	100.0#	0#	-2.12#
3		Hexachlorobenzene		1.431	0.000	100.0#	0#	-2.36#
4		alpha-BHC		1.531	0.000	100.0#	0#	-2.47#
5		gamma-BHC (lindane)		1.404	0.000	100.0#	0#	-2.69#
6		beta-BHC		0.638	0.000	100.0#	0#	-2.75#
7		delta-BHC		1.404	0.000	100.0#	0#	-2.88#
8		Heptachlor		1.315	0.000	100.0#	0#	-3.05#
9		Aldrin		1.284	0.000	100.0#	0#	-3.30#
10		Alachlor		0.194	0.000	100.0#	0#	-3.44#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.54#
12		Heptachlor Epoxide		1.161	0.000	100.0#	0#	-3.86#
13		gamma-Chlordane (trans)		1.140	0.000	100.0#	0#	-3.99#

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Aug 2024 18:39
Operator : PEST18:peg
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:39:39 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.273	0.000	100.0#	0#	-4.13#
15		4,4'-DDE		1.268	0.000	100.0#	0#	-4.23#
16		Endosulfan I		1.138	0.000	100.0#	0#	-4.26#
17		Dieldrin		1.209	0.000	100.0#	0#	-4.52#
18		Endrin		1.209	0.000	100.0#	0#	-4.78#
19		4,4'-DDD		0.982	0.000	100.0#	0#	-4.90#
20		Endosulfan II		1.096	0.000	100.0#	0#	-5.03#
21		4,4'-DDT		1.107	0.000	100.0#	0#	-5.21#
22		Endrin Aldehyde		0.923	0.000	100.0#	0#	-5.46#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-5.72#
24		Mirex	*	50.000	0.000	100.0#	0	-5.76#
25		Endosulfan Sulfate		1.087	0.000	100.0#	0#	-5.87#
26		Endrin Ketone		1.216	0.000	100.0#	0#	-6.10#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-6.92#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.68#
29	l1	chlordane-1		0.078	0.000	100.0#	0#	-3.05#
30	l1	chlordane-3		0.050	0.000	100.0#	0#	-3.42#
31	l1	chlordane-4		0.176	0.000	100.0#	0#	-3.99#
32	l1	chlordane-5		0.270	0.000	100.0#	0#	-4.12#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.78#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.179	0.000	100.0#	0#	-2.34#
3		Hexachlorobenzene		1.260	0.000	100.0#	0#	-2.68#
4		alpha-BHC		1.569	0.000	100.0#	0#	-2.79#
5		gamma-BHC (lindane)		1.462	0.000	100.0#	0#	-3.08#
6		beta-BHC		0.679	0.000	100.0#	0#	-3.15#
7		delta-BHC		1.445	0.000	100.0#	0#	-3.42#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Aug 2024 18:39
Operator : PEST18:peg
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:39:39 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.318	0.000	100.0#	0#	-3.48#
9		Aldrin		1.307	0.000	100.0#	0#	-3.80#
10		Alachlor		0.196	0.000	100.0#	0#	-3.70#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.05#
12		Heptachlor Epoxide		1.247	0.000	100.0#	0#	-4.42#
13		gamma-Chlordane (trans)		1.137	0.000	100.0#	0#	-4.65#
14		alpha-Chlordane (cis)		1.268	0.000	100.0#	0#	-4.82#
15		4,4'-DDE		1.245	0.000	100.0#	0#	-5.03#
16		Endosulfan I		1.167	0.000	100.0#	0#	-4.88#
17		Dieldrin		1.196	0.000	100.0#	0#	-5.19#
18		Endrin		1.197	0.000	100.0#	0#	-5.50#
19		4,4'-DDD		0.976	0.000	100.0#	0#	-5.63#
20		Endosulfan II		1.072	0.000	100.0#	0#	-5.71#
21		4,4'-DDT		1.070	0.000	100.0#	0#	-5.92#
22		Endrin Aldehyde		0.903	0.000	100.0#	0#	-6.01#
23		Methoxychlor		0.581	0.000	100.0#	0#	-6.50#
24		Mirex		0.903	0.000	100.0#	0#	-6.63#
25		Endosulfan Sulfate		1.032	0.000	100.0#	0#	-6.25#
26		Endrin Ketone		1.116	0.000	100.0#	0#	-6.67#
27	s	Decachlorobiphenyl		0.953	0.000	100.0#	0#	-7.55#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.78#
29	l1	chlordane-1		0.041	0.000	100.0#	0#	-3.35#
30	l1	chlordane-3		0.046	0.000	100.0#	0#	-3.96#
31	l1	chlordane-4		0.164	0.000	100.0#	0#	-4.64#
32	l1	chlordane-5		0.131	0.000	100.0#	0#	-4.82#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:39
Operator : PEST18:peg
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:39:39 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.683	1.784	603.3E6	363.0E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:39
Operator : PEST18:peg
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:39:39 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.022	5.663	2183.4E6	716.1E6	1808.535M3	1964.824
35) l2	toxaphene-2	5.151	5.691	2435.8E6	1069.0E6	1854.447M3	1935.062
36) l2	toxaphene-3	5.388	6.019	2359.4E6	1213.3E6	1778.892	1851.923
37) l2	toxaphene-4	5.772	6.434	2140.5E6	1179.2E6	1617.523	2022.364
Sum	toxaphene-1			9119.1E6	4177.6E6	7059.397	7774.173
Average	toxaphene-1					1764.849	1943.543

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			9119.1E6	4177.6E6	7059.397	7774.173
Average	toxaphene-1					1764.849	1943.543

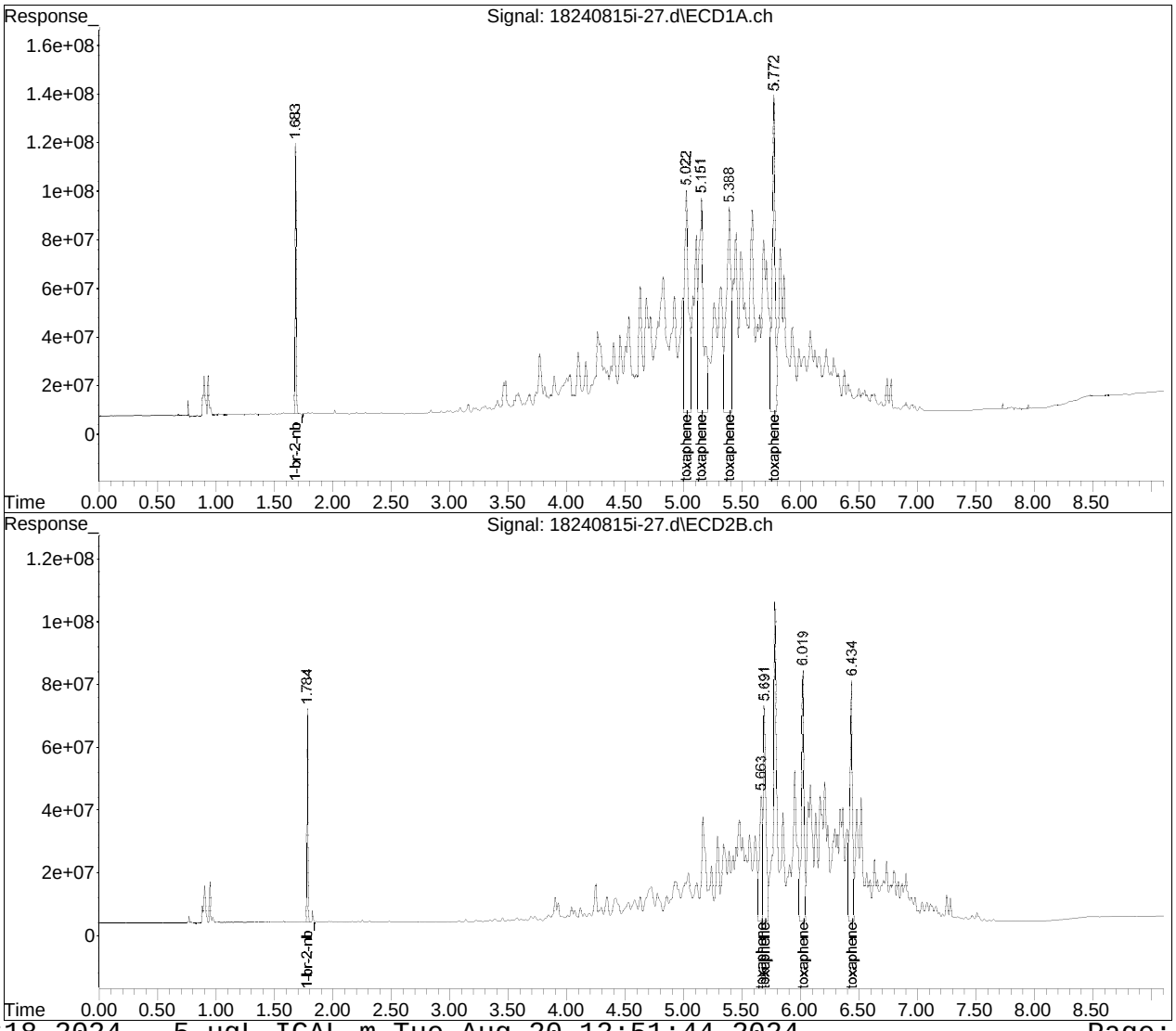
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240815ICAL\
Data File : 18240815i-27.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2024 18:39
Operator : PEST18:peg
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1961557,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 20 12:39:39 2024
Quant Method : I:\PEST\Pest18\2024\240815ICAL\pest18_2024_08_15_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Aug 20 12:38:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

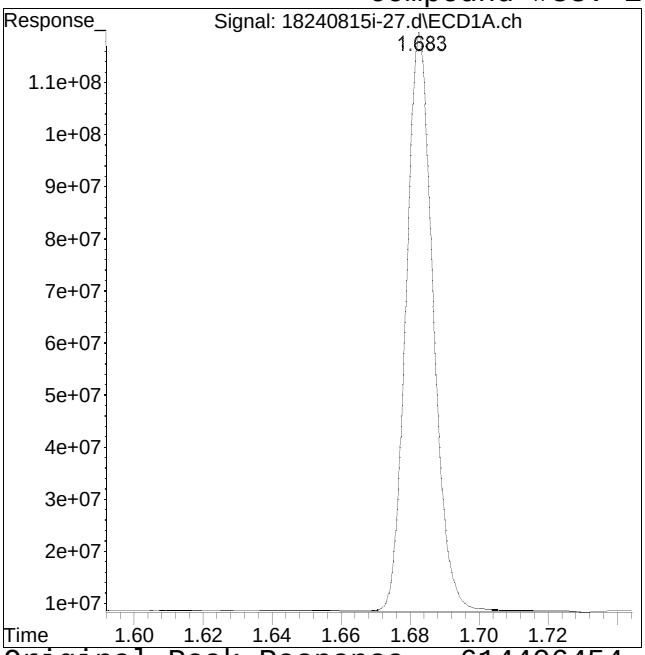


Manual Integration Report

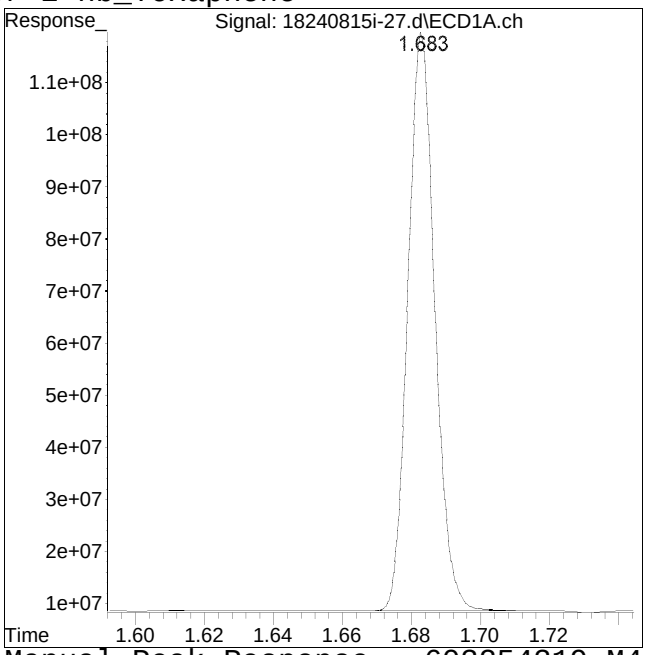
Data Path : I:\PEST\Pest18\2024\240815Q
Data File : 18240815i-27.d
Date Inj'd : 8/15/2024 18:39
Sample : cicvtox,42e,,pp 11668 L2.0

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:peg
Instrument : Pest 18
Quant Date : 8/20/2024 12:39 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 614406454



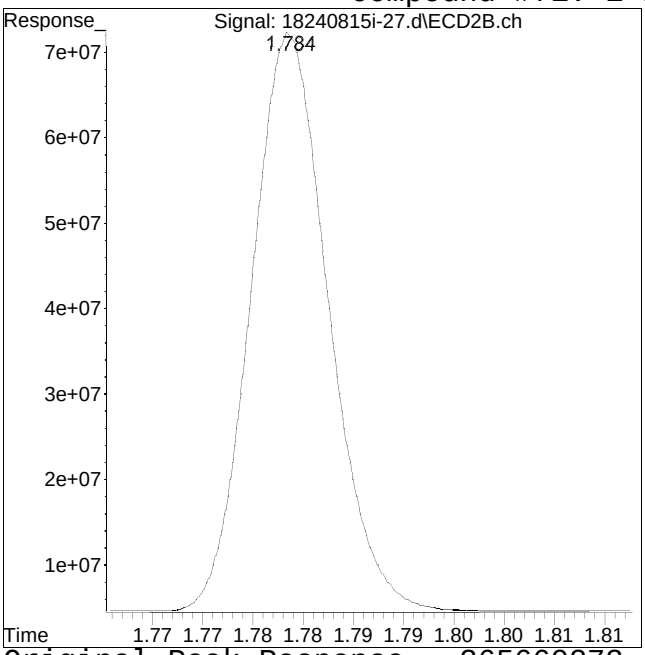
Manual Peak Response = 603254319 M4

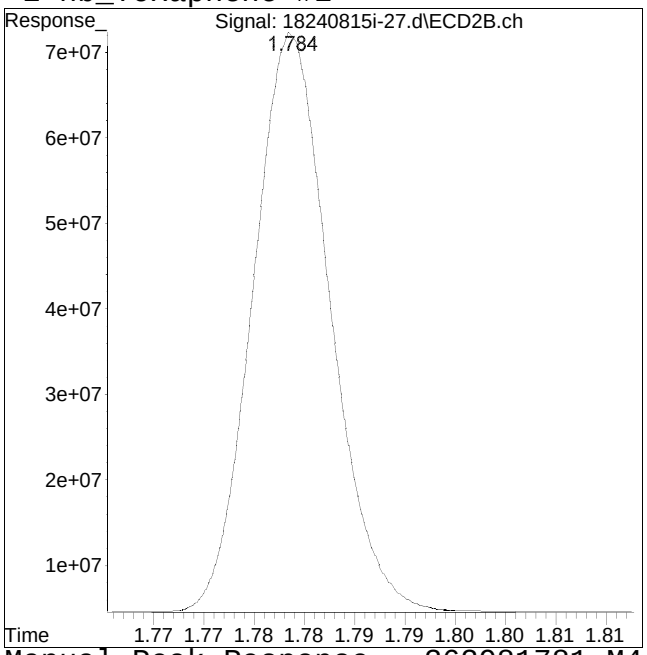
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-27.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:39 Instrument : Pest 18
Sample : cicvtox,42e,,pp 11668 L2.0Quant Date : 8/20/2024 12:39 pm

Compound #71: 1-br-2-nb_Toxaphene #2



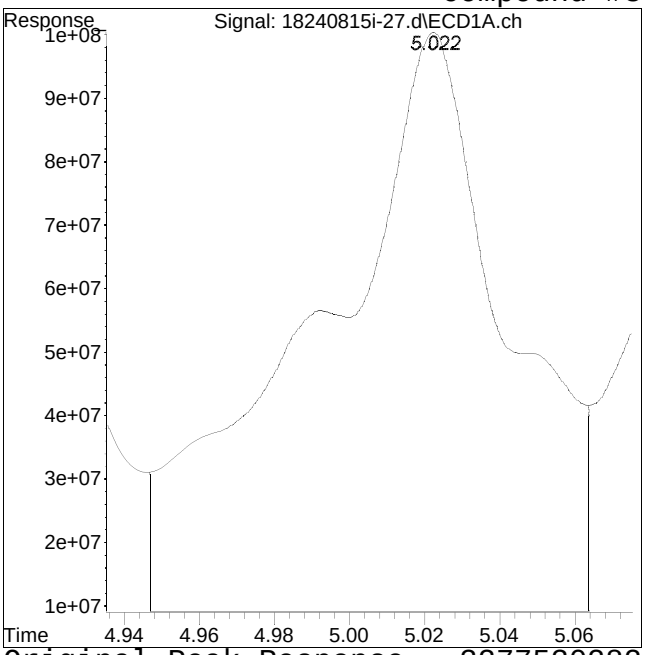


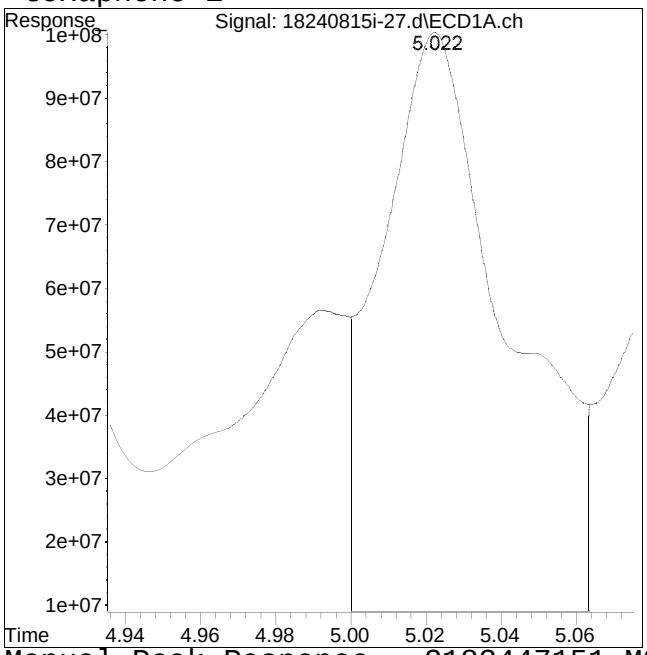
Original Peak Response = 365660273 Manual Peak Response = 362981781 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-27.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:39 Instrument : Pest 18
Sample : cicvtox,42e,,pp 11668 L2.0Quant Date : 8/20/2024 12:39 pm

Compound #34: toxaphene-1



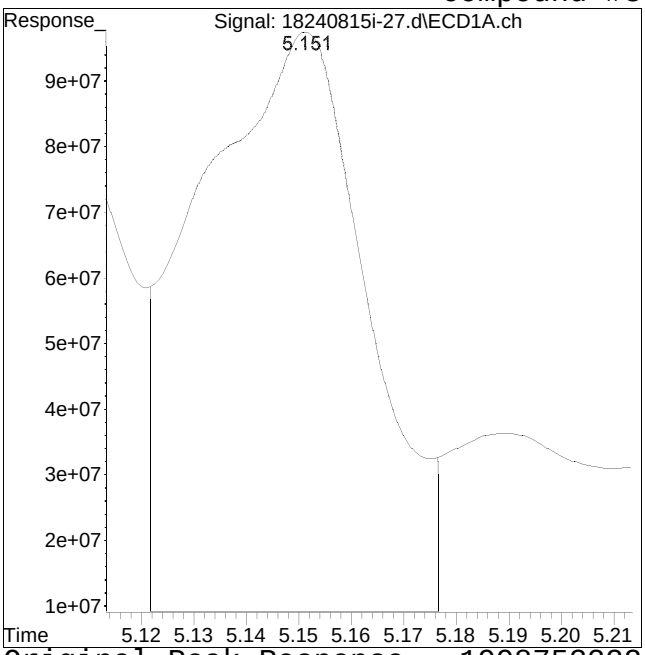


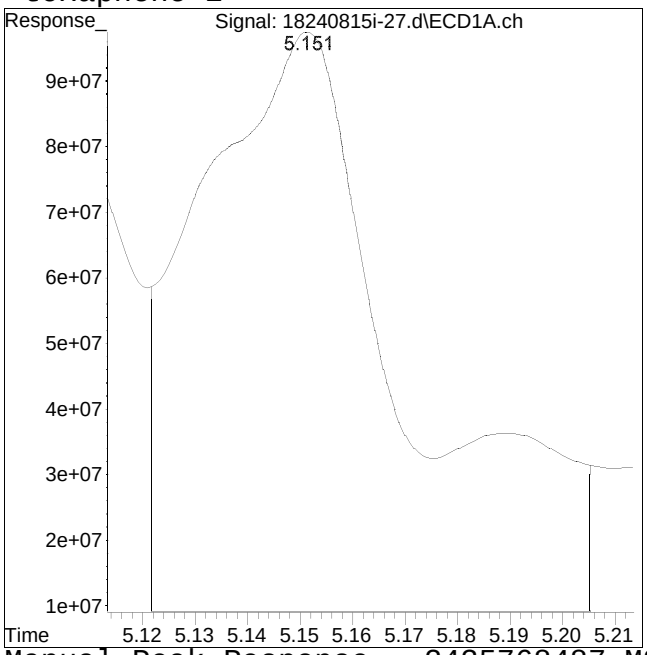
Original Peak Response = 3277530282 Manual Peak Response = 2183447151 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240815QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240815i-27.d Operator : PEST18:peg
Date Inj'd : 8/15/2024 18:39 Instrument : Pest 18
Sample : cicvtox,42e,,pp 11668 L2.0Quant Date : 8/20/2024 12:39 pm

Compound #35: toxaphene-2





Original Peak Response = 1998753222 Manual Peak Response = 2435768487 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Relative Error Report Pest 18

Method Path : I:\PEST\Pest18\2024\240815ICAL\
Method File : pest18_2024_08_15_ugL_ICAL.m
Title : pest
Last Update : Tue Aug 20 12:35:03 2024

		COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
11		Chlorpyrifos	L	ug/l	50.0	57.546	15.1	4.00	2.973	-25.7
23		Methoxychlor	L	ug/l	50.0	56.068	12.1	3.00	2.720	-9.3
24		Mirex	L	ug/l	50.0	51.696	3.4	1.00	0.726	-27.4
27	S	Decachlorobiphenyl	L	ug/l	50.0	50.474	0.9	1.00	0.913	-8.7
49		Chlorpyrifos #2	L	ug/l	50.0	56.193	12.4	4.00	3.213	-19.7

Calibration Correlation Report

		COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
11		Chlorpyrifos	Linear	0.995960	0.000000	0.466689	0.050127
23		Methoxychlor	Linear	0.994548	0.000000	0.511275	0.03438
24		Mirex	Linear	0.997659	0.000000	0.837792	0.0257661
27	S	Decachlorobiphenyl	Linear	0.997279	0.000000	1.16514	0.0357333
49		Chlorpyrifos #2	Linear	0.997569	0.000000	0.509984	0.0473683

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST11		**Calibration Date**	: 08/26/24 06:02	
Lab File ID	: 11240826a-03		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1963716-1		**Init. Calib. Times**	: 18:37	23:11
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	99	0
2,4,5,6-Tetrachloro-m-xylen	1.039	1.068	-	-2.8	20	99	0
Hexachlorobenzene	1.406	1.134	-	19.3	20	81	0
alpha-BHC	1.461	1.588	-	-8.7	20	97	0
gamma-BHC (lindane)	1.395	1.423	-	-2	20	94	0
beta-BHC	0.628	0.61	-	2.9	20	96	0
delta-BHC	1.374	1.404	-	-2.2	20	92	0
Heptachlor	1.321	1.424	-	-7.8	20	101	0
Aldrin	1.233	1.361	-	-10.4	20	102	0
Alachlor	0.23	0.198	-	13.9	20	84	0
Chlorpyrifos	0.59	0.634	-	-7.5	20	113	0
Heptachlor Epoxide	1.185	1.251	-	-5.6	20	100	0
gamma-Chlordane (trans)	1.077	1.316	-	-22.2*	20	117	0
alpha-Chlordane (cis)	1.216	1.297	-	-6.7	20	102	0
4,4'-DDE	1.192	1.278	-	-7.2	20	100	0
Endosulfan I	1.116	1.184	-	-6.1	20	101	0
Dieldrin	1.135	1.342	-	-18.2	20	110	0
Endrin	1.153	1.252	-	-8.6	20	101	0
4,4'-DDD	0.927	1.069	-	-15.3	20	108	0
Endosulfan II	1.052	1.154	-	-9.7	20	103	0
4,4'-DDT	1.058	1.141	-	-7.8	20	101	0
Endrin Aldehyde	0.886	0.824	-	7	20	90	0
Methoxychlor	0.592	0.622	-	-5.1	20	106	0
Mirex	0.938	1.011	-	-7.8	20	110	0
Endosulfan Sulfate	1.01	1.133	-	-12.2	20	110	0
Endrin Ketone	1.183	1.29	-	-9	20	104	0
Decachlorobiphenyl	1.163	1.083	-	6.9	20	100	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST11		**Calibration Date**	: 08/26/24 06:02	
Lab File ID	: 11240826a-03		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1963716-1		**Init. Calib. Times**	: 18:37	23:11
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	95	0
2,4,5,6-Tetrachloro-m-xyl	1.114	0.994	-	10.8	20	85	0
Hexachlorobenzene	1.239	1.05	-	15.3	20	85	0
alpha-BHC	1.62	1.438	-	11.2	20	79	0
gamma-BHC (lindane)	1.539	1.287	-	16.4	20	78	0
beta-BHC	50	44.509	-	11	20	81	0
delta-BHC	1.523	1.264	-	17	20	76	0
Heptachlor	1.598	1.259	-	21.2*	20	75	0
Aldrin	1.435	1.181	-	17.7	20	76	0
Alachlor	50	51.81	-	-3.6	20	89	0
Chlorpyrifos	50	42.432	-	15.1	20	75	0
Heptachlor Epoxide	1.425	1.099	-	22.9*	20	75	0
gamma-Chlordane (trans)	1.312	1.136	-	13.4	20	86	0
alpha-Chlordane (cis)	1.446	1.115	-	22.9*	20	76	0
4,4'-DDE	1.343	1.091	-	18.8	20	75	0
Endosulfan I	1.332	1.034	-	22.4*	20	76	0
Dieldrin	1.327	1.16	-	12.6	20	82	0
Endrin	1.347	1.092	-	18.9	20	76	0
4,4'-DDD	1.084	0.922	-	14.9	20	80	0
Endosulfan II	1.214	0.993	-	18.2	20	80	0
4,4'-DDT	1.25	0.969	-	22.5*	20	73	0
Endrin Aldehyde	50	38.291	-	23.4*	20	71	0
Methoxychlor	0.704	0.52	-	26.1*	20	76	0
Mirex	50	45.291	-	9.4	20	83	0
Endosulfan Sulfate	1.199	0.951	-	20.7*	20	80	0
Endrin Ketone	1.261	1.107	-	12.2	20	85	0
Decachlorobiphenyl	1.06	0.851	-	19.7	20	84	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST11		**Calibration Date**	: 08/26/24 06:13	
Lab File ID	: 11240826a-04		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1963716-2		**Init. Calib. Times**	: 18:37	23:11
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	94	0
chlordane-1	1000	1355.804	-	-35.6*	20	124	0
chlordane-3	1000	1361.811	-	-36.2*	20	120	0
chlordane-4	1000	1423.28	-	-42.3*	20	128	0
chlordane-5	1000	1595.999	-	-59.6*	20	142	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST11		**Calibration Date**	: 08/26/24 06:13	
Lab File ID	: 11240826a-04		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1963716-2		**Init. Calib. Times**	: 18:37	23:11
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	97	0
chlordane-1	1000	1033.108	-	-3.3	20	94	0
chlordane-3	1000	1056.514	-	-5.7	20	92	0
chlordane-4	1000	960.059	-	4	20	87	0
chlordane-5	1000	952.905	-	4.7	20	87	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST11		**Calibration Date**	: 08/26/24 06:25	
Lab File ID	: 11240826a-05		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1963716-3		**Init. Calib. Times**	: 18:37	23:11
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	95	0
toxaphene-2	2000	2960.415	-	-48*	20	137	0
toxaphene-3	2000	2707.13	-	-35.4*	20	125	0
toxaphene-4	2000	2385.938	-	-19.3	20	112	0
toxaphene-5	2000	2708.131	-	-35.4*	20	125	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST11		**Calibration Date**	: 08/26/24 06:25	
Lab File ID	: 11240826a-05		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1963716-3		**Init. Calib. Times**	: 18:37	23:11
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	99	0
toxaphene-2	2000	1885.996	-	5.7	20	93	0
toxaphene-3	2000	1923.024	-	3.8	20	95	0
toxaphene-4	2000	1779.547	-	11	20	88	0
toxaphene-5	2000	1906.805	-	4.7	20	94	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST18		**Calibration Date**	: 08/26/24 07:05	
Lab File ID	: 18240826a-04		**Init. Calib. Date(s)**	: 08/15/24	08/15/24
Sample No	: WG1963730-2		**Init. Calib. Times**	: 14:05	18:28
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	109	0
chlordane-1	0.078	0.055	-	29.5*	20	95	0
chlordane-3	0.05	0.044	-	12	20	121	0
chlordane-4	0.176	0.157	-	10.8	20	123	0
chlordane-5	0.27	0.263	-	2.6	20	134	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST18		**Calibration Date**	: 08/26/24 07:05	
Lab File ID	: 18240826a-04		**Init. Calib. Date(s)**	: 08/15/24	08/15/24
Sample No	: WG1963730-2		**Init. Calib. Times**	: 14:05	18:28
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	102	0
chlordane-1	0.041	0.036	-	12.2	20	109	0
chlordane-3	0.046	0.041	-	10.9	20	120	0
chlordane-4	0.164	0.153	-	6.7	20	116	0
chlordane-5	0.131	0.117	-	10.7	20	113	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST18		**Calibration Date**	: 08/26/24 07:17	
Lab File ID	: 18240826a-05		**Init. Calib. Date(s)**	: 08/15/24	08/15/24
Sample No	: WG1963730-3		**Init. Calib. Times**	: 14:05	18:28
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	117	0
toxaphene-1	0.05	0.045	-	10	20	106	0
toxaphene-2	0.054	0.052	-	3.7	20	108	0
toxaphene-3	0.055	0.044	-	20	20	97	0
toxaphene-4	0.055	0.043	-	21.8*	20	103	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST18		**Calibration Date**	: 08/26/24 07:17	
Lab File ID	: 18240826a-05		**Init. Calib. Date(s)**	: 08/15/24	08/15/24
Sample No	: WG1963730-3		**Init. Calib. Times**	: 14:05	18:28
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	109	0
toxaphene-1	0.025	0.026	-	-4	20	106	0
toxaphene-2	0.038	0.038	-	0	20	111	0
toxaphene-3	0.045	0.044	-	2.2	20	104	0
toxaphene-4	0.04	0.043	-	-7.5	20	114	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST20		**Calibration Date**	: 08/26/24 07:59	
Lab File ID	: 20240826a-04		**Init. Calib. Date(s)**	: 07/22/24	07/22/24
Sample No	: WG1963797-2		**Init. Calib. Times**	: 18:09	22:55
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	115	0
chlordane-1	1000	969.44	-	3.1	20	109	0
chlordane-3	1000	966.398	-	3.4	20	109	0
chlordane-4	1000	1015.527	-	-1.6	20	114	0
chlordane-5	1000	1127.857	-	-12.8	20	126	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST20		**Calibration Date**	: 08/26/24 07:59	
Lab File ID	: 20240826a-04		**Init. Calib. Date(s)**	: 07/22/24	07/22/24
Sample No	: WG1963797-2		**Init. Calib. Times**	: 18:09	22:55
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	115	0
chlordane-1	1000	1054.563	-	-5.5	20	117	0
chlordane-3	1000	1076.014	-	-7.6	20	118	0
chlordane-4	1000	1081.47	-	-8.1	20	119	0
chlordane-5	1000	1071.192	-	-7.1	20	117	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST20		**Calibration Date**	: 08/26/24 08:11	
Lab File ID	: 20240826a-05		**Init. Calib. Date(s)**	: 07/22/24	07/22/24
Sample No	: WG1963797-3		**Init. Calib. Times**	: 18:09	22:55
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	121	0
toxaphene-1	2000	2451.155	-	-22.6*	20	137	0
toxaphene-2	2000	2485.996	-	-24.3*	20	140	0
toxaphene-4	2000	2246.69	-	-12.3	20	127	0
toxaphene-5	2000	2448.349	-	-22.4*	20	140	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST20		**Calibration Date**	: 08/26/24 08:11	
Lab File ID	: 20240826a-05		**Init. Calib. Date(s)**	: 07/22/24	07/22/24
Sample No	: WG1963797-3		**Init. Calib. Times**	: 18:09	22:55
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	130	0
toxaphene-1	2000	2338.808	-	-16.9	20	147	0
toxaphene-2	2000	2298.892	-	-14.9	20	147	0
toxaphene-4	2000	2214.045	-	-10.7	20	141	0
toxaphene-5	2000	2312.385	-	-15.6	20	148	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST18		**Calibration Date**	: 08/26/24 12:09	
Lab File ID	: 18240826a-29		**Init. Calib. Date(s)**	: 08/15/24	08/15/24
Sample No	: WG1963730-4		**Init. Calib. Times**	: 14:05	18:28
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	132	0
2,4,5,6-Tetrachloro-m-xylen	1.22	1.042	-	14.6	20	113	0
Hexachlorobenzene	1.431	1.239	-	13.4	20	116	0
alpha-BHC	1.531	1.395	-	8.9	20	114	0
gamma-BHC (lindane)	1.404	1.236	-	12	20	113	0
beta-BHC	0.638	0.555	-	13	20	116	0
delta-BHC	1.404	1.228	-	12.5	20	111	0
Heptachlor	1.315	1.182	-	10.1	20	115	0
Aldrin	1.284	1.193	-	7.1	20	117	0
Alachlor	0.194	0.232	-	-19.6	20	159	0
Chlorpyrifos	50	53.668	-	-7.3	20	117	0
Heptachlor Epoxide	1.161	1.032	-	11.1	20	114	0
gamma-Chlordane (trans)	1.14	1.121	-	1.7	20	129	0
alpha-Chlordane (cis)	1.273	1.102	-	13.4	20	112	0
4,4'-DDE	1.268	1.132	-	10.7	20	112	0
Endosulfan I	1.138	0.991	-	12.9	20	111	0
Dieldrin	1.209	1.14	-	5.7	20	120	0
Endrin	1.209	1.041	-	13.9	20	109	0
4,4'-DDD	0.982	0.894	-	9	20	115	0
Endosulfan II	1.096	0.949	-	13.4	20	111	0
4,4'-DDT	1.107	0.897	-	19	20	102	0
Endrin Aldehyde	0.923	0.7	-	24.2*	20	97	0
Methoxychlor	50	46.099	-	7.8	20	103	0
Mirex	50	45.574	-	8.9	20	110	0
Endosulfan Sulfate	1.087	0.936	-	13.9	20	110	0
Endrin Ketone	1.216	1.015	-	16.5	20	107	0
Decachlorobiphenyl	50	43.854	-	12.3	20	109	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST18		**Calibration Date**	: 08/26/24 12:09	
Lab File ID	: 18240826a-29		**Init. Calib. Date(s)**	: 08/15/24	08/15/24
Sample No	: WG1963730-4		**Init. Calib. Times**	: 14:05	18:28
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	121	0
2,4,5,6-Tetrachloro-m-xyl	1.179	1.056	-	10.4	20	105	0
Hexachlorobenzene	1.26	1.097	-	12.9	20	107	0
alpha-BHC	1.569	1.487	-	5.2	20	106	0
gamma-BHC (lindane)	1.462	1.333	-	8.8	20	106	0
beta-BHC	0.679	0.599	-	11.8	20	108	0
delta-BHC	1.445	1.323	-	8.4	20	104	0
Heptachlor	1.318	1.274	-	3.3	20	112	0
Aldrin	1.307	1.268	-	3	20	109	0
Alachlor	0.196	0.199	-	-1.5	20	121	0
Chlorpyrifos	50	55.457	-	-10.9	20	112	0
Heptachlor Epoxide	1.247	1.142	-	8.4	20	107	0
gamma-Chlordane (trans)	1.137	1.225	-	-7.7	20	124	0
alpha-Chlordane (cis)	1.268	1.192	-	6	20	109	0
4,4'-DDE	1.245	1.204	-	3.3	20	107	0
Endosulfan I	1.167	1.111	-	4.8	20	109	0
Dieldrin	1.196	1.255	-	-4.9	20	118	0
Endrin	1.197	1.159	-	3.2	20	111	0
4,4'-DDD	0.976	1.021	-	-4.6	20	119	0
Endosulfan II	1.072	1.055	-	1.6	20	113	0
4,4'-DDT	1.07	1.048	-	2.1	20	111	0
Endrin Aldehyde	0.903	0.773	-	14.4	20	100	0
Methoxychlor	0.581	0.56	-	3.6	20	113	0
Mirex	0.903	0.841	-	6.9	20	116	0
Endosulfan Sulfate	1.032	1.01	-	2.1	20	114	0
Endrin Ketone	1.116	1.132	-	-1.4	20	117	0
Decachlorobiphenyl	0.953	0.878	-	7.9	20	113	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST20		**Calibration Date**	: 08/26/24 16:27	
Lab File ID	: 20240826a-39		**Init. Calib. Date(s)**	: 07/22/24	07/22/24
Sample No	: WG1963797-4		**Init. Calib. Times**	: 18:09	22:55
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	129	0
2,4,5,6-Tetrachloro-m-xylen	50	51.767	-	-3.5	20	125	0
Hexachlorobenzene	50	52.215	-	-4.4	20	125	0
alpha-BHC	1.586	1.509	-	4.9	20	126	0
gamma-BHC (lindane)	1.529	1.368	-	10.5	20	126	0
beta-BHC	50	52.291	-	-4.6	20	126	0
delta-BHC	1.478	1.379	-	6.7	20	126	0
Heptachlor	1.494	1.393	-	6.8	20	132	0
Aldrin	1.394	1.379	-	1.1	20	135	0
Alachlor	50	57.784	-	-15.6	20	133	0
Chlorpyrifos	50	53.94	-	-7.9	20	127	0
Heptachlor Epoxide	1.349	1.292	-	4.2	20	136	0
gamma-Chlordane (trans)	50	63.029	-	-26.1*	20	157	0
alpha-Chlordane (cis)	50	55.967	-	-11.9	20	138	0
4,4'-DDE	1.333	1.362	-	-2.2	20	138	0
Endosulfan I	1.261	1.232	-	2.3	20	137	0
Dieldrin	1.315	1.412	-	-7.4	20	151	0
Endrin	1.292	1.33	-	-2.9	20	142	0
4,4'-DDD	1.086	1.178	-	-8.5	20	149	0
Endosulfan II	1.175	1.203	-	-2.4	20	145	0
4,4'-DDT	50	56.829	-	-13.7	20	139	0
Endrin Aldehyde	50	47.463	-	5.1	20	116	0
Methoxychlor	50	58.659	-	-17.3	20	135	0
Mirex	50	59.494	-	-19	20	139	0
Endosulfan Sulfate	50	57.534	-	-15.1	20	143	0
Endrin Ketone	1.275	1.433	-	-12.4	20	158	0
Decachlorobiphenyl	50	54.808	-	-9.6	20	133	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST20		**Calibration Date**	: 08/26/24 16:27	
Lab File ID	: 20240826a-39		**Init. Calib. Date(s)**	: 07/22/24	07/22/24
Sample No	: WG1963797-4		**Init. Calib. Times**	: 18:09	22:55
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	139	0
2,4,5,6-Tetrachloro-m-xyl	1.223	1.072	-	12.3	20	130	0
Hexachlorobenzene	50	49.786	-	0.4	20	132	0
alpha-BHC	1.533	1.443	-	5.9	20	130	0
gamma-BHC (lindane)	1.477	1.312	-	11.2	20	130	0
beta-BHC	50	49.138	-	1.7	20	131	0
delta-BHC	1.443	1.322	-	8.4	20	130	0
Heptachlor	1.403	1.257	-	10.4	20	134	0
Aldrin	1.268	1.231	-	2.9	20	140	0
Alachlor	50	54.484	-	-9	20	138	0
Chlorpyrifos	50	50.117	-	-0.2	20	130	0
Heptachlor Epoxide	1.268	1.169	-	7.8	20	138	0
gamma-Chlordane (trans)	1.09	1.204	-	-10.5	20	162	0
alpha-Chlordane (cis)	1.237	1.173	-	5.2	20	142	0
4,4'-DDE	1.193	1.167	-	2.2	20	140	0
Endosulfan I	1.153	1.1	-	4.6	20	142	0
Dieldrin	1.161	1.243	-	-7.1	20	155	0
Endrin	1.185	1.185	-	0	20	145	0
4,4'-DDD	0.979	1.018	-	-4	20	150	0
Endosulfan II	1.098	1.068	-	2.7	20	146	0
4,4'-DDT	1.11	1.031	-	7.1	20	135	0
Endrin Aldehyde	50	43.951	-	12.1	20	119	0
Methoxychlor	50	52.019	-	-4	20	133	0
Mirex	50	54.3	-	-8.6	20	140	0
Endosulfan Sulfate	50	52.25	-	-4.5	20	142	0
Endrin Ketone	1.192	1.187	-	0.4	20	147	0
Decachlorobiphenyl	50	53.241	-	-6.5	20	141	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024 07:59
Operator : pest20:ejl
Sample   : wg1963797-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1963797,,ical21322
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:32:47 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	115	0.00
29	l1	chlordane-1		*1000.000	969.440	3.1	109	0.00
30	l1	chlordane-3		*1000.000	966.398	3.4	109	0.00
31	l1	chlordane-4		*1000.000	1015.527	-1.6	114	0.00
32	l1	chlordane-5		*1000.000	1127.857	-12.8	126	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	115	0.00
29	l1	chlordane-1		*1000.000	1054.563	-5.5	117	0.00
30	l1	chlordane-3		*1000.000	1076.014	-7.6	118	0.00
31	l1	chlordane-4		*1000.000	1081.470	-8.1	119	0.00
32	l1	chlordane-5		*1000.000	1071.192	-7.1	117	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.86#
2	s	2,4,5,6-Tetrachloro-m-xylen	*	50.000	0.000	100.0#	0	-2.33#
3		Hexachlorobenzene	*	50.000	0.000	100.0#	0	-2.59#
4		alpha-BHC		1.586	0.000	100.0#	0#	-2.71#
5		gamma-BHC (lindane)		1.529	0.000	100.0#	0#	-2.95#
6		beta-BHC	*	50.000	0.000	100.0#	0	-3.02#
7		delta-BHC		1.478	0.000	100.0#	0#	-3.17#
8		Heptachlor		1.494	0.000	100.0#	0#	-3.35#
9		Aldrin		1.394	0.000	100.0#	0#	-3.63#
10		Alachlor	*	50.000	0.000	100.0#	0	-3.77#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.87#
12		Heptachlor Epoxide		1.349	0.000	100.0#	0#	-4.23#
13		gamma-Chlordane (trans)	*	50.000	0.000	100.0#	0	-4.37#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024 07:59
Operator : pest20:ejl
Sample   : wg1963797-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1963797,,ical21322
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:32:47 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)	*	50.000	0.000	100.0#	0	-4.51#
15		4,4'-DDE		1.333	0.000	100.0#	0#	-4.62#
16		Endosulfan I		1.261	0.000	100.0#	0#	-4.66#
17		Dieldrin		1.315	0.000	100.0#	0#	-4.94#
18		Endrin		1.292	0.000	100.0#	0#	-5.18#
19		4,4'-DDD		1.086	0.000	100.0#	0#	-5.28#
20		Endosulfan II		1.175	0.000	100.0#	0#	-5.41#
21		4,4'-DDT	*	50.000	0.000	100.0#	0	-5.56#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.82#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.03#
24		Mirex	*	50.000	0.000	100.0#	0	-6.10#
25		Endosulfan Sulfate	*	50.000	0.000	100.0#	0	-6.20#
26		Endrin Ketone		1.275	0.000	100.0#	0#	-6.43#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.22#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.86#
34	l2	toxaphene-1	*	2000.000	0.000	100.0#	0	-5.41#
35	l2	toxaphene-2	*	2000.000	0.000	100.0#	0	-5.93#
36	l2	toxaphene-4	*	2000.000	0.000	100.0#	0	-6.03#
37	l2	toxaphene-5	*	2000.000	0.000	100.0#	0	-6.11#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.92#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.223	0.000	100.0#	0#	-2.52#
3		Hexachlorobenzene	*	50.000	0.000	100.0#	0	-2.89#
4		alpha-BHC		1.533	0.000	100.0#	0#	-3.00#
5		gamma-BHC (lindane)		1.477	0.000	100.0#	0#	-3.32#
6		beta-BHC	*	50.000	0.000	100.0#	0	-3.39#
7		delta-BHC		1.443	0.000	100.0#	0#	-3.68#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024 07:59
Operator : pest20:ejl
Sample   : wg1963797-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1963797,,ical21322
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:32:47 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.403	0.000	100.0#	0#	-3.75#
9		Aldrin		1.268	0.000	100.0#	0#	-4.09#
10		Alachlor	*	50.000	0.000	100.0#	0	-3.97#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.35#
12		Heptachlor Epoxide		1.268	0.000	100.0#	0#	-4.75#
13		gamma-Chlordane (trans)		1.090	0.000	100.0#	0#	-4.97#
14		alpha-Chlordane (cis)		1.237	0.000	100.0#	0#	-5.14#
15		4,4'-DDE		1.193	0.000	100.0#	0#	-5.33#
16		Endosulfan I		1.153	0.000	100.0#	0#	-5.19#
17		Dieldrin		1.161	0.000	100.0#	0#	-5.48#
18		Endrin		1.185	0.000	100.0#	0#	-5.77#
19		4,4'-DDD		0.979	0.000	100.0#	0#	-5.89#
20		Endosulfan II		1.098	0.000	100.0#	0#	-5.97#
21		4,4'-DDT		1.110	0.000	100.0#	0#	-6.16#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-6.26#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.72#
24		Mirex	*	50.000	0.000	100.0#	0	-6.87#
25		Endosulfan Sulfate	*	50.000	0.000	100.0#	0	-6.49#
26		Endrin Ketone		1.192	0.000	100.0#	0#	-6.90#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.79#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.92#
34	l2	toxaphene-1	*	2000.000	0.000	100.0#	0	-5.93#
35	l2	toxaphene-2	*	2000.000	0.000	100.0#	0	-5.95#
36	l2	toxaphene-4	*	2000.000	0.000	100.0#	0	-6.27#
37	l2	toxaphene-5	*	2000.000	0.000	100.0#	0	-6.67#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 07:59
Operator : pest20:ejl
Sample : wg1963797-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:32:47 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.856	1.915	61045606	102.5E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 07:59
Operator : pest20:ejl
Sample : wg1963797-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:32:47 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29)	l1	chlordane-1	3.282	3.598	93577242	147.1E6	969.440	1054.563	
30)	l1	chlordane-3	3.755	4.251	113.2E6	176.7E6	966.398	1076.014	M3
31)	l1	chlordane-4	4.365	4.966	406.1E6	581.7E6	1015.527	1081.470	
32)	l1	chlordane-5	4.499	5.130	696.0E6	450.7E6	1127.857	1071.192	
	Sum	chlordane-1			1308.9E6	1356.2E6	N.D.	N.D.	D
Average		chlordane-1					1019.806	1070.810	
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
37)	l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

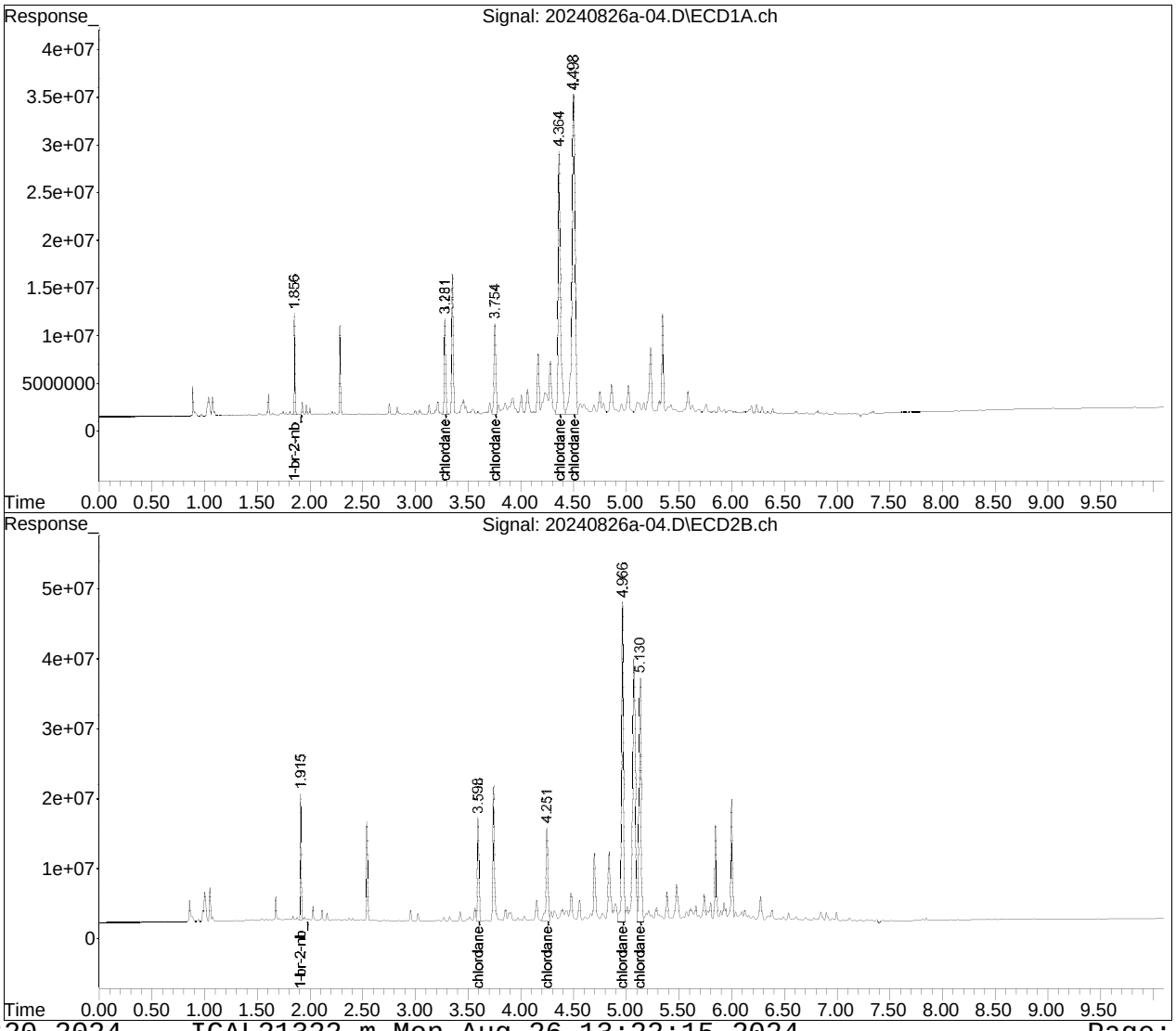
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 07:59
Operator : pest20:ejl
Sample : wg1963797-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:32:47 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

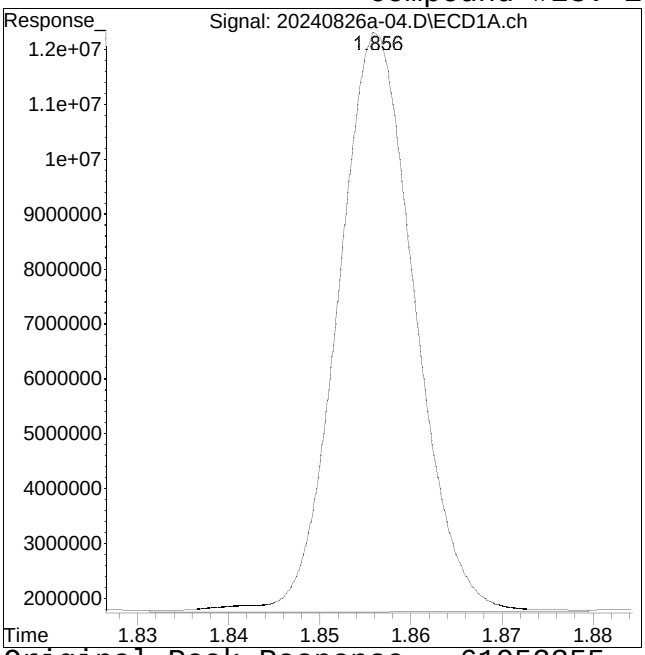


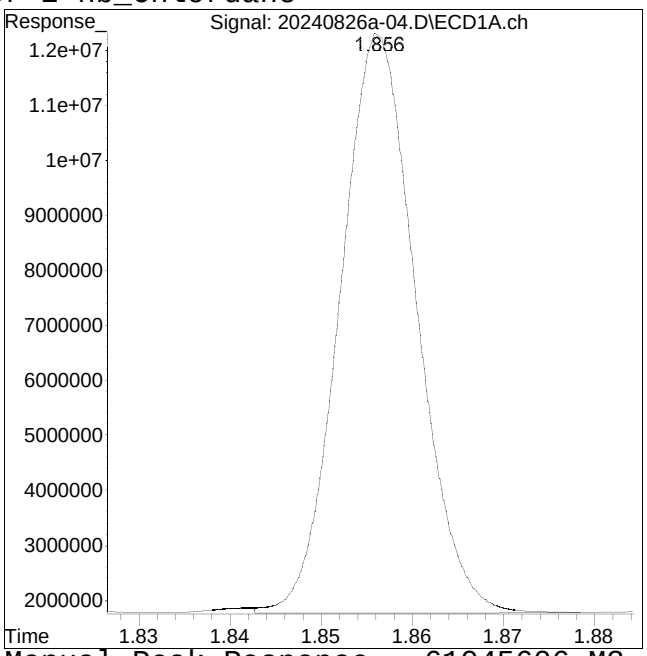
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826Q
Data File : 20240826a-04.D
Date Inj'd : 8/26/2024 7:59
Sample : wg1963797-2,42,,chlor11670

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 8/26/2024 8:32 am

Compound #28: 1-br-2-nb_Chlordane





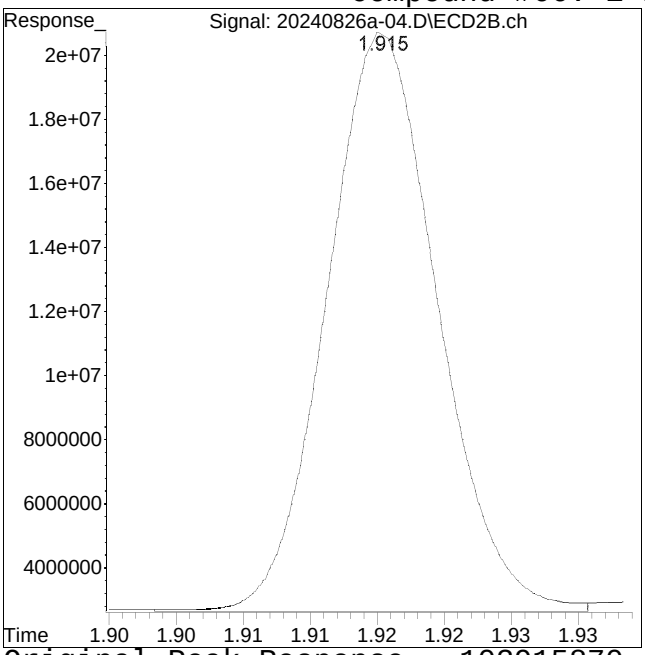
Original Peak Response = 61952355 Manual Peak Response = 61045606 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

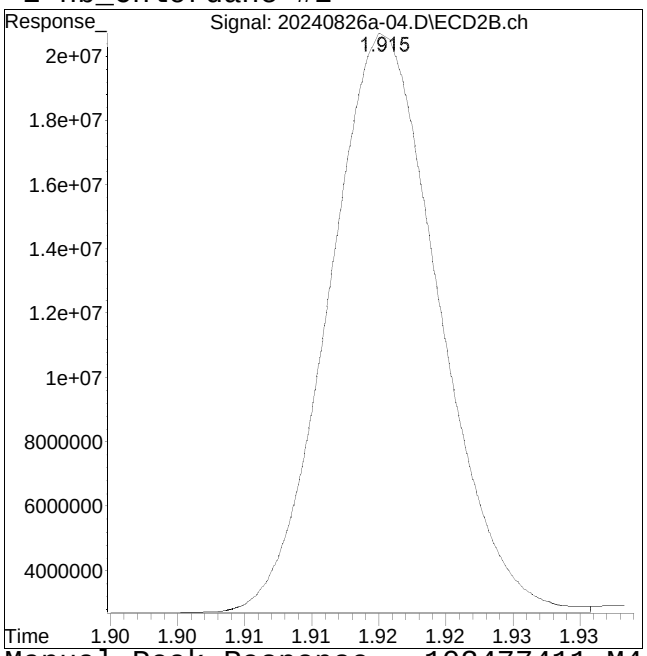
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-04.D Operator : pest20:ejl
Date Inj'd : 8/26/2024 7:59 Instrument : PEST 20
Sample : wg1963797-2,42,,chlor11670Quant Date : 8/26/2024 8:32 am

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 103915870



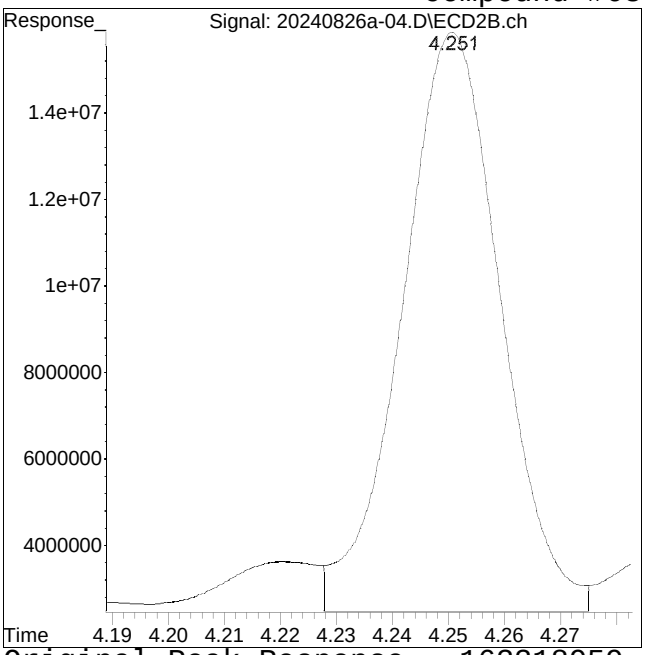
Manual Peak Response = 102477411 M4

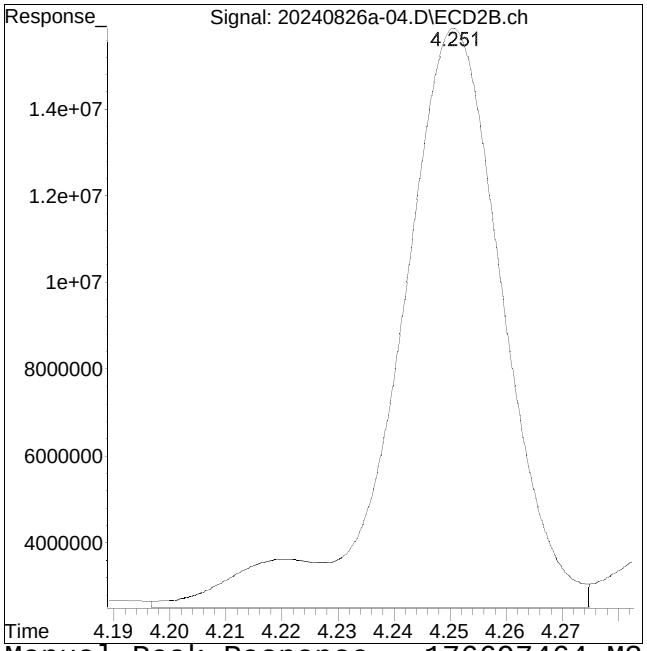
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-04.D Operator : pest20:ejl
Date Inj'd : 8/26/2024 7:59 Instrument : PEST 20
Sample : wg1963797-2,42,,chlor11670Quant Date : 8/26/2024 8:32 am

Compound #68: chlordane-3 #2





Original Peak Response = 163318959 Manual Peak Response = 176697464 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 08:11
Operator : pest20:ejl
Sample : wg1963797-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963797,,ical21322 (Sig #1); wg1963797,WG1963302,ical21322 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:34:17 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	121	0.00
34	l2	toxaphene-1	*	2000.000	2451.155	-22.6#	137	0.00
35	l2	toxaphene-2	*	2000.000	2485.996	-24.3#	140	0.00
36	l2	toxaphene-4	*	2000.000	2246.690	-12.3	127	0.00
37	l2	toxaphene-5	*	2000.000	2448.349	-22.4#	140	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	130	0.00
34	l2	toxaphene-1	*	2000.000	2338.808	-16.9	147	0.00
35	l2	toxaphene-2	*	2000.000	2298.892	-14.9	147	0.00
36	l2	toxaphene-4	*	2000.000	2214.045	-10.7	141	0.00
37	l2	toxaphene-5	*	2000.000	2312.385	-15.6	148	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.86#
2	s	2,4,5,6-Tetrachloro-m-xylen	*	50.000	0.000	100.0#	0	-2.33#
3		Hexachlorobenzene	*	50.000	0.000	100.0#	0	-2.59#
4		alpha-BHC		1.586	0.000	100.0#	0#	-2.71#
5		gamma-BHC (lindane)		1.529	0.000	100.0#	0#	-2.95#
6		beta-BHC	*	50.000	0.000	100.0#	0	-3.02#
7		delta-BHC		1.478	0.000	100.0#	0#	-3.17#
8		Heptachlor		1.494	0.000	100.0#	0#	-3.35#
9		Aldrin		1.394	0.000	100.0#	0#	-3.63#
10		Alachlor	*	50.000	0.000	100.0#	0	-3.77#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.87#
12		Heptachlor Epoxide		1.349	0.000	100.0#	0#	-4.23#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 08:11
Operator : pest20:ejl
Sample : wg1963797-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963797,,ical21322 (Sig #1); wg1963797,WG1963302,ical21322 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:34:17 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
13		gamma-Chlordane (trans)	*	50.000	0.000	100.0#	0	-4.37#
14		alpha-Chlordane (cis)	*	50.000	0.000	100.0#	0	-4.51#
15		4,4'-DDE		1.333	0.000	100.0#	0#	-4.62#
16		Endosulfan I		1.261	0.000	100.0#	0#	-4.66#
17		Dieldrin		1.315	0.000	100.0#	0#	-4.94#
18		Endrin		1.292	0.000	100.0#	0#	-5.18#
19		4,4'-DDD		1.086	0.000	100.0#	0#	-5.28#
20		Endosulfan II		1.175	0.000	100.0#	0#	-5.41#
21		4,4'-DDT	*	50.000	0.000	100.0#	0	-5.56#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.82#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.03#
24		Mirex	*	50.000	0.000	100.0#	0	-6.10#
25		Endosulfan Sulfate	*	50.000	0.000	100.0#	0	-6.20#
26		Endrin Ketone		1.275	0.000	100.0#	0#	-6.43#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.22#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.86#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-3.29#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.76#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.37#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.50#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.92#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.223	0.000	100.0#	0#	-2.52#
3		Hexachlorobenzene	*	50.000	0.000	100.0#	0	-2.89#
4		alpha-BHC		1.533	0.000	100.0#	0#	-3.00#
5		gamma-BHC (lindane)		1.477	0.000	100.0#	0#	-3.32#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 08:11
Operator : pest20:ejl
Sample : wg1963797-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963797,,ical21322 (Sig #1); wg1963797,WG1963302,ical21322 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:34:17 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
6		beta-BHC	*	50.000	0.000	100.0#	0	-3.39#
7		delta-BHC		1.443	0.000	100.0#	0#	-3.68#
8		Heptachlor		1.403	0.000	100.0#	0#	-3.75#
9		Aldrin		1.268	0.000	100.0#	0#	-4.09#
10		Alachlor	*	50.000	0.000	100.0#	0	-3.97#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.35#
12		Heptachlor Epoxide		1.268	0.000	100.0#	0#	-4.75#
13		gamma-Chlordane (trans)		1.090	0.000	100.0#	0#	-4.97#
14		alpha-Chlordane (cis)		1.237	0.000	100.0#	0#	-5.14#
15		4,4'-DDE		1.193	0.000	100.0#	0#	-5.33#
16		Endosulfan I		1.153	0.000	100.0#	0#	-5.19#
17		Dieldrin		1.161	0.000	100.0#	0#	-5.48#
18		Endrin		1.185	0.000	100.0#	0#	-5.77#
19		4,4'-DDD		0.979	0.000	100.0#	0#	-5.89#
20		Endosulfan II		1.098	0.000	100.0#	0#	-5.97#
21		4,4'-DDT		1.110	0.000	100.0#	0#	-6.16#
22		Endrin Aldehyde	*	50.000	0.000	100.0#	0	-6.26#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-6.72#
24		Mirex	*	50.000	0.000	100.0#	0	-6.87#
25		Endosulfan Sulfate	*	50.000	0.000	100.0#	0	-6.49#
26		Endrin Ketone		1.192	0.000	100.0#	0#	-6.90#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-7.79#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.92#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-3.60#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-4.26#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.97#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-5.13#

* Evaluation of CC level amount vs concentration.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024 08:11
Operator : pest20:ejl
Sample   : wg1963797-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1963797,,ical21322 (Sig #1); wg1963797,WG1963302,ical21322 (Sig #2)
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:34:17 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 08:11
Operator : pest20:ejl
Sample : wg1963797-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:34:17 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.857	1.916	65339619	107.9E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 08:11
Operator : pest20:ejl
Sample : wg1963797-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:34:17 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	5.404	5.920	251.2E6	213.9E6	2451.155M3	2338.808
35) l2	toxaphene-2	5.929	5.948	253.0E6	312.7E6	2485.996	2298.892
36) l2	toxaphene-4	6.026	6.261	148.2E6	348.9E6	2246.690M3	2214.045
37) l2	toxaphene-5	6.110	6.668	247.4E6	346.4E6	2448.349	2312.385
Sum	toxaphene-1			899.8E6	1221.9E6	9632.191	9164.130
Average	toxaphene-1					2408.048	2291.032

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			899.8E6	1221.9E6	9632.191	9164.130
Average	toxaphene-1					2408.048	2291.032

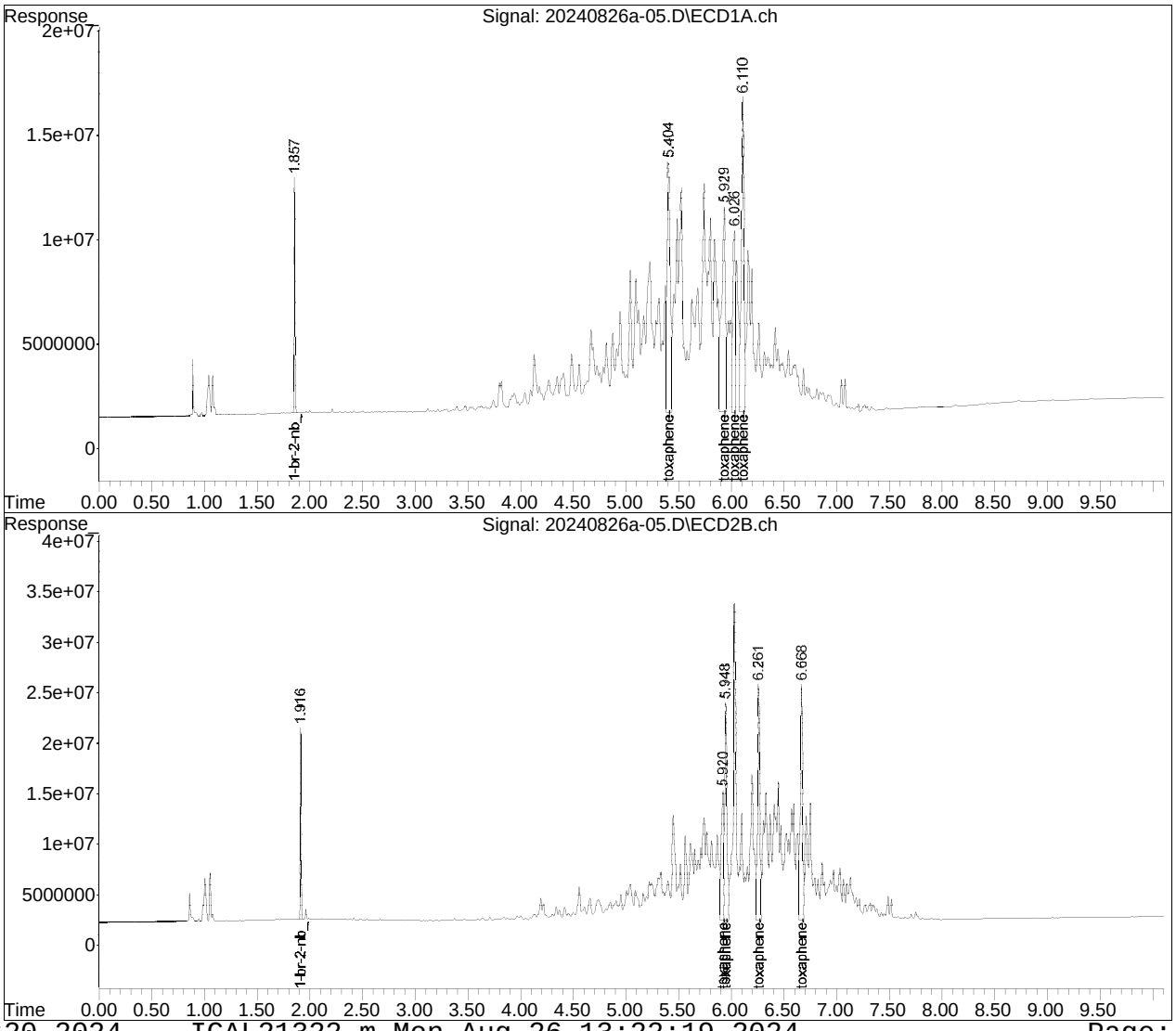
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 08:11
Operator : pest20:ejl
Sample : wg1963797-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:34:17 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

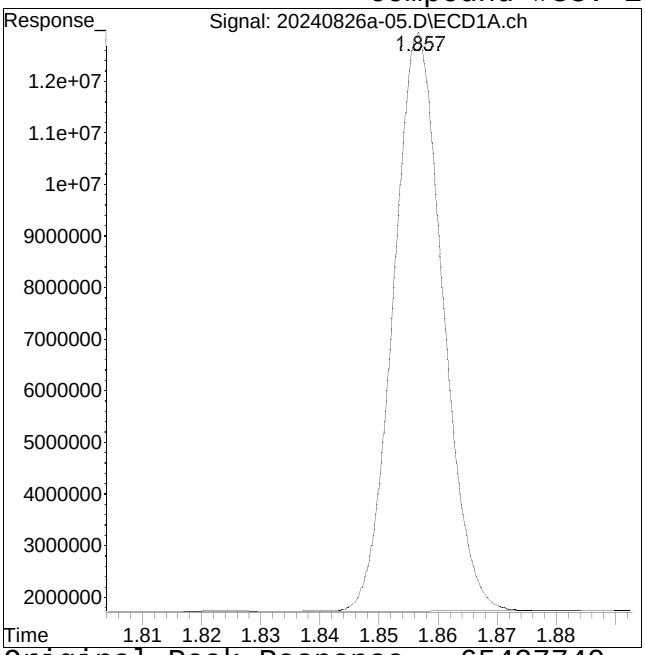


Manual Integration Report

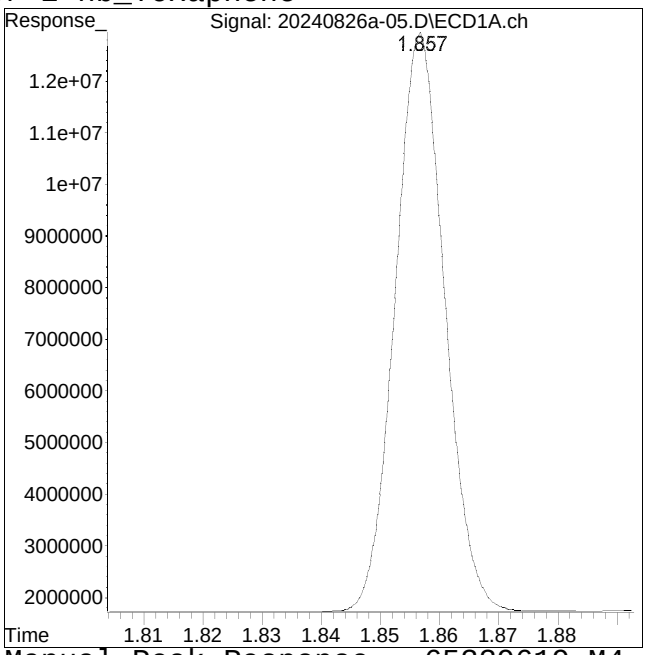
Data Path : I:\PEST\Pest20\2024\240826Q
Data File : 20240826a-05.D
Date Inj'd : 8/26/2024 8:11
Sample : wg1963797-3,42,,tox11668

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 8/26/2024 8:34 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 65427740



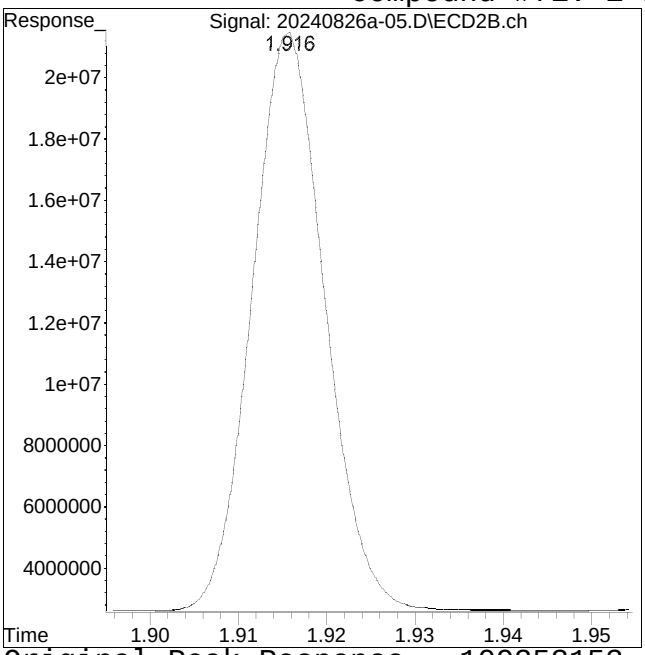
Manual Peak Response = 65339619 M4

M4 = Poor automated baseline construction.

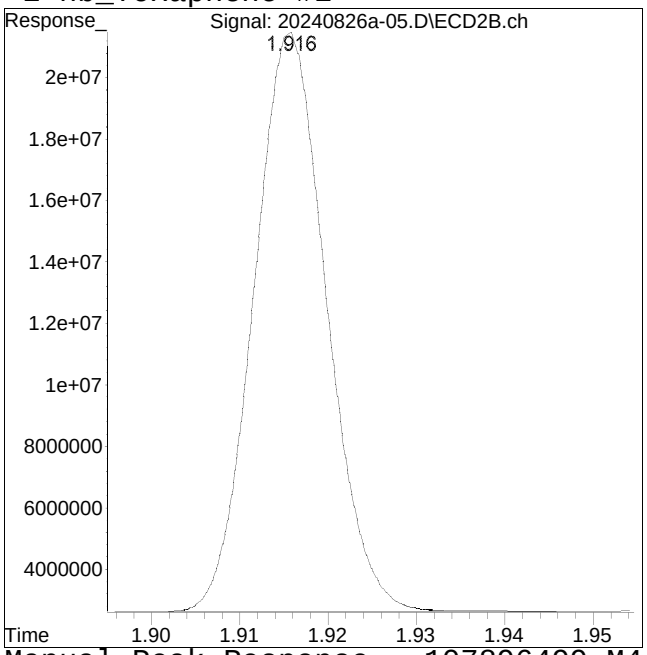
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-05.D Operator : pest20:ejl
Date Inj'd : 8/26/2024 8:11 Instrument : PEST 20
Sample : wg1963797-3,42,,tox11668 Quant Date : 8/26/2024 8:34 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 109353153



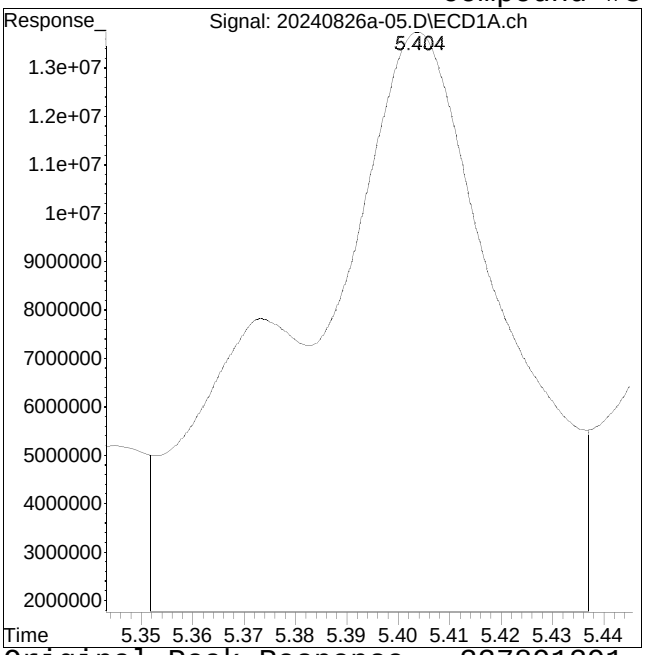
Manual Peak Response = 107896499 M4

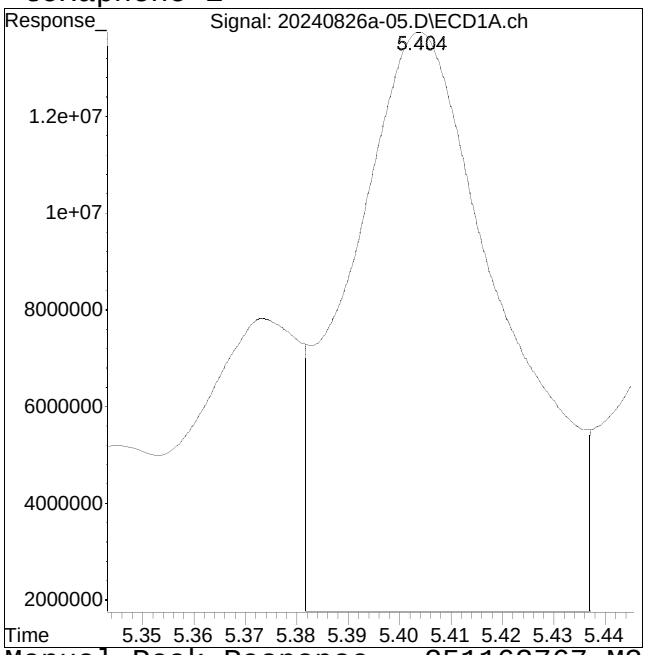
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-05.D Operator : pest20:ejl
Date Inj'd : 8/26/2024 8:11 Instrument : PEST 20
Sample : wg1963797-3,42,,tox11668 Quant Date : 8/26/2024 8:34 am

Compound #34: toxaphene-1



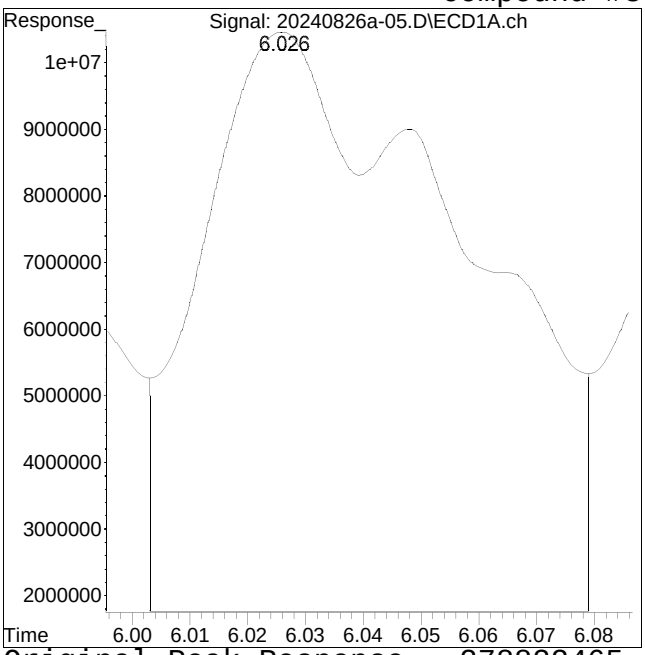


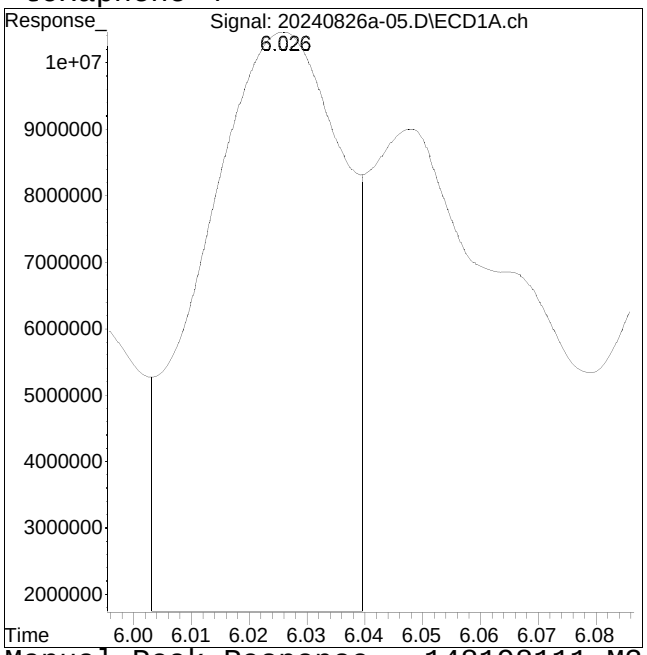
Original Peak Response = 337891391 Manual Peak Response = 251163767 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-05.D Operator : pest20:ejl
Date Inj'd : 8/26/2024 8:11 Instrument : PEST 20
Sample : wg1963797-3,42,,tox11668 Quant Date : 8/26/2024 8:34 am

Compound #36: toxaphene-4





Original Peak Response = 278822465 Manual Peak Response = 148198111 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024 16:27
Operator : pest20:ejl
Sample   : wg1963797-4,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc   : wg1963797,,ical21322
ALS Vial : 39   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:43:26 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	129	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	*	50.000	51.767	-3.5	125	0.00
3		Hexachlorobenzene	*	50.000	52.215	-4.4	125	0.00
4		alpha-BHC		1.586	1.509	4.9	126	0.00
5		gamma-BHC (lindane)		1.529	1.368	10.5	126	0.00
6		beta-BHC	*	50.000	52.291	-4.6	126	0.00
7		delta-BHC		1.478	1.379	6.7	126	0.00
8		Heptachlor		1.494	1.393	6.8	132	0.00
9		Aldrin		1.394	1.379	1.1	135	0.00
10		Alachlor	*	50.000	57.784	-15.6	133	0.00
11		Chlorpyrifos	*	50.000	53.940	-7.9	127	0.00
12		Heptachlor Epoxide		1.349	1.292	4.2	136	0.00
13		gamma-Chlordane (trans)	*	50.000	63.029	-26.1#	157	0.00
14		alpha-Chlordane (cis)	*	50.000	55.967	-11.9	138	0.00
15		4,4'-DDE		1.333	1.362	-2.2	138	0.00
16		Endosulfan I		1.261	1.232	2.3	137	0.00
17		Dieldrin		1.315	1.412	-7.4	151#	0.00
18		Endrin		1.292	1.330	-2.9	142	0.00
19		4,4'-DDD		1.086	1.178	-8.5	149	0.00
20		Endosulfan II		1.175	1.203	-2.4	145	0.00
21		4,4'-DDT	*	50.000	56.829	-13.7	139	0.00
22		Endrin Aldehyde	*	50.000	47.463	5.1	116	0.00
23		Methoxychlor	*	50.000	58.659	-17.3	135	0.00
24		Mirex	*	50.000	59.494	-19.0	139	0.00
25		Endosulfan Sulfate	*	50.000	57.534	-15.1	143	0.00
26		Endrin Ketone		1.275	1.433	-12.4	158#	0.00
27	s	Decachlorobiphenyl	*	50.000	54.808	-9.6	133	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024 16:27
Operator : pest20:ejl
Sample   : wg1963797-4,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc   : wg1963797,,ical21322
ALS Vial : 39   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:43:26 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	139	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.223	1.072	12.3	130	0.00
3		Hexachlorobenzene	*	50.000	49.786	0.4	132	0.00
4		alpha-BHC		1.533	1.443	5.9	130	0.00
5		gamma-BHC (lindane)		1.477	1.312	11.2	130	0.00
6		beta-BHC	*	50.000	49.138	1.7	131	0.00
7		delta-BHC		1.443	1.322	8.4	130	0.00
8		Heptachlor		1.403	1.257	10.4	134	0.00
9		Aldrin		1.268	1.231	2.9	140	0.00
10		Alachlor	*	50.000	54.484	-9.0	138	0.00
11		Chlorpyrifos	*	50.000	50.117	-0.2	130	0.00
12		Heptachlor Epoxide		1.268	1.169	7.8	138	0.00
13		gamma-Chlordane (trans)		1.090	1.204	-10.5	162#	0.00
14		alpha-Chlordane (cis)		1.237	1.173	5.2	142	0.00
15		4,4'-DDE		1.193	1.167	2.2	140	0.00
16		Endosulfan I		1.153	1.100	4.6	142	0.00
17		Dieldrin		1.161	1.243	-7.1	155#	0.00
18		Endrin		1.185	1.185	0.0	145	0.00
19		4,4'-DDD		0.979	1.018	-4.0	150	0.00
20		Endosulfan II		1.098	1.068	2.7	146	0.00
21		4,4'-DDT		1.110	1.031	7.1	135	0.00
22		Endrin Aldehyde	*	50.000	43.951	12.1	119	0.00
23		Methoxychlor	*	50.000	52.019	-4.0	133	0.00
24		Mirex	*	50.000	54.300	-8.6	140	0.00
25		Endosulfan Sulfate	*	50.000	52.250	-4.5	142	0.00
26		Endrin Ketone		1.192	1.187	0.4	147	0.00
27	s	Decachlorobiphenyl	*	50.000	53.241	-6.5	141	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024 16:27
Operator : pest20:ejl
Sample   : wg1963797-4,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc   : wg1963797,,ical21322
ALS Vial : 39   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:43:26 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.86#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-3.29#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.76#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.37#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.50#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.86#
34	l2	toxaphene-1		*2000.000	0.000	100.0#	0	-5.41#
35	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-5.93#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-6.03#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-6.11#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.92#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-3.60#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-4.26#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.97#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-5.13#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.92#
34	l2	toxaphene-1		*2000.000	0.000	100.0#	0	-5.93#
35	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-5.95#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-6.27#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-6.67#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 16:27
Operator : pest20:ejl
Sample : wg1963797-4,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:43:26 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.856	1.915	65622505	111.5E6	25.000M3	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.324	2.513	148.8E6	239.1E6	51.767M3	43.805
	Spiked Amount	50.000	Range 30 - 150		Recovery =	103.53%	87.61%
27) s	Decachlorobi	7.223	7.788	154.6E6	211.6E6	54.808	53.241
	Spiked Amount	50.000	Range 30 - 150		Recovery =	109.62%	106.48%
	Target Compounds						
3)	Hexachlorobe	2.590	2.884	155.8E6	249.1E6	52.215	49.786
4)	alpha-BHC	2.712	2.995	198.0E6	321.8E6	47.566	47.045
5)	gamma-BHC (l	2.953	3.313	179.6E6	292.6E6	44.752	44.418
6)	beta-BHC	3.021	3.389	85348359	137.7E6	52.291	49.138
7)	delta-BHC	3.168	3.678	181.0E6	294.8E6	46.651	45.799
8)	Heptachlor	3.352	3.744	182.9E6	280.4E6	46.647	44.814
9)	Aldrin	3.625	4.086	181.0E6	274.6E6	49.456	48.534
10)	Alachlor	3.770	3.969	29321210	41033529	57.784	54.484
11)	Chlorpyrifos	3.870	4.345	82733824	132.9E6	53.940	50.117
12)	Heptachlor E	4.231	4.740	169.6E6	260.7E6	47.888	46.083
13)	gamma-Chlord	4.364	4.966	177.7E6	268.5E6	63.029M4	55.219
14)	alpha-Chlord	4.511	5.129	176.5E6	261.7E6	55.967	47.436
15)	4,4'-DDE	4.617	5.321	178.8E6	260.3E6	51.097	48.914
16)	Endosulfan I	4.660	5.188	161.6E6	245.4E6	48.848	47.732
17)	Dieldrin	4.936	5.473	185.3E6	277.3E6	53.678	53.541
18)	Endrin	5.182	5.765	174.6E6	264.3E6	51.473	49.982
19)	4,4'-DDD	5.282	5.883	154.7E6	227.0E6	54.244	51.960
20)	Endosulfan I	5.412	5.961	157.9E6	238.1E6	51.204	48.633

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 16:27
Operator : pest20:ejl
Sample : wg1963797-4,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:43:26 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
21)	4,4'-DDT	5.562	6.157	157.6E6	229.9E6	56.829	46.441
22)	Endrin Aldeh	5.817	6.254	108.5E6	165.2E6	47.463	43.951
23)	Methoxychlor	6.030	6.716	87122581	124.7E6	58.659	52.019
24)	Mirex	6.098	6.860	136.5E6	191.2E6	59.494	54.300
25)	Endosulfan S	6.202	6.481	147.4E6	225.0E6	57.534	52.250
26)	Endrin Keton	6.427	6.895	188.1E6	264.7E6	56.176	49.788
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

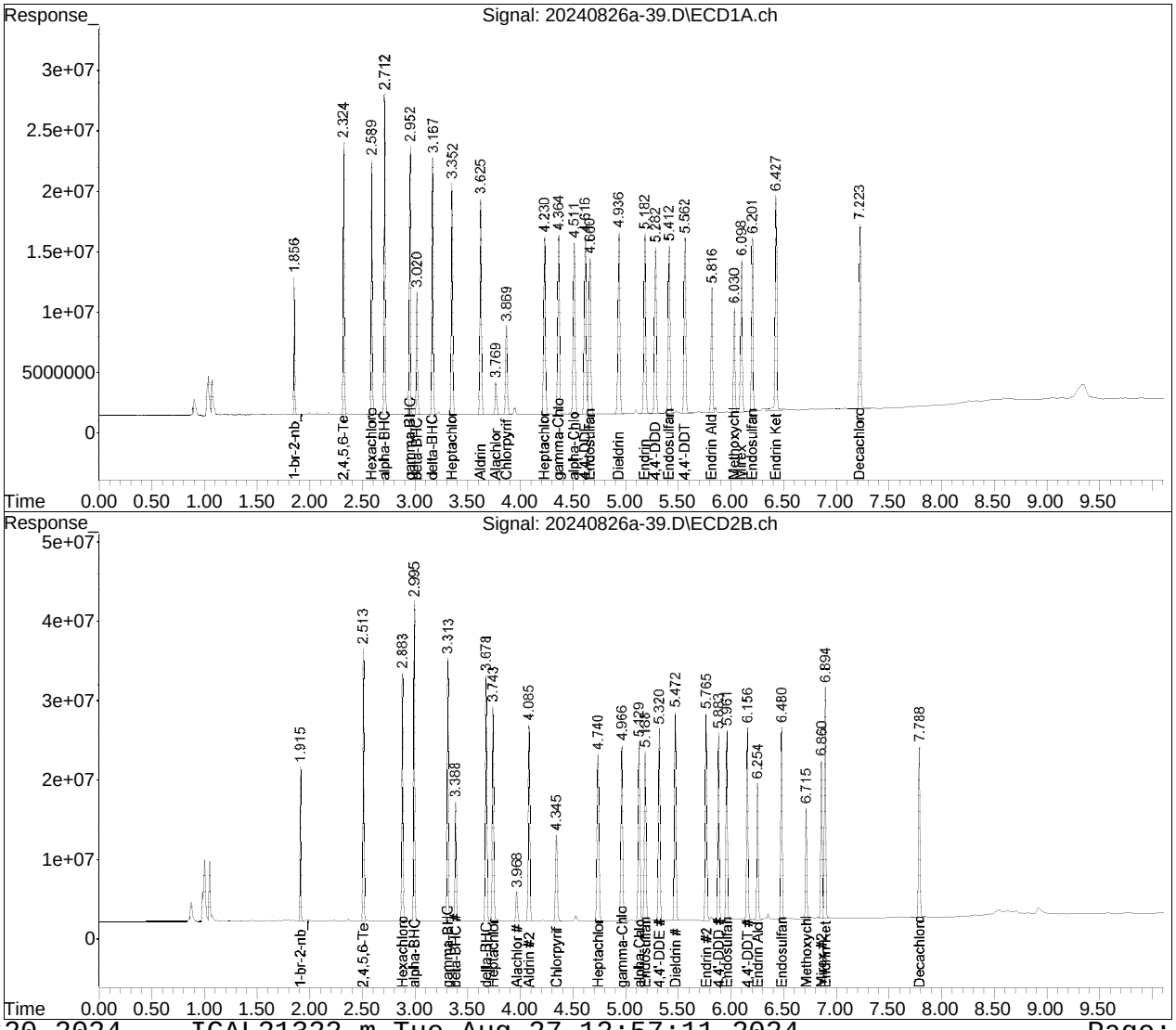
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 16:27
Operator : pest20:ejl
Sample : wg1963797-4,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 23:43:26 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Mon Aug 26 23:43:11 2024
Response via : Initial Calibration
Integrator: ChemStation

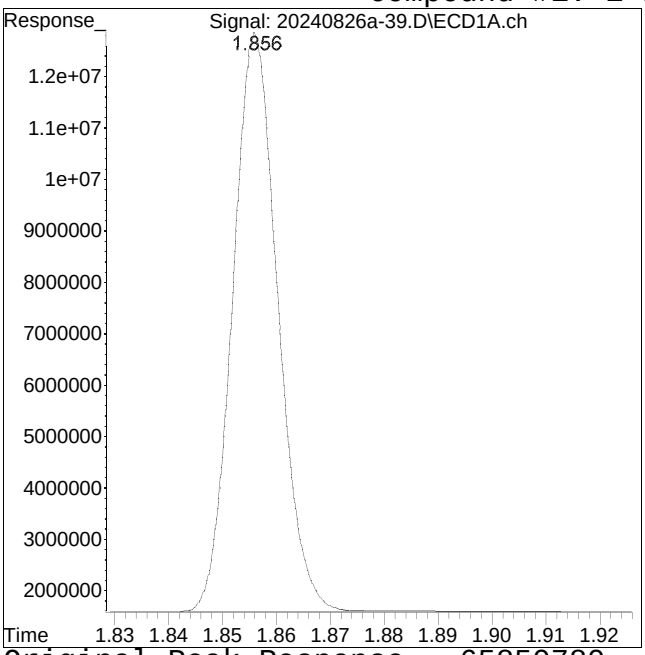
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

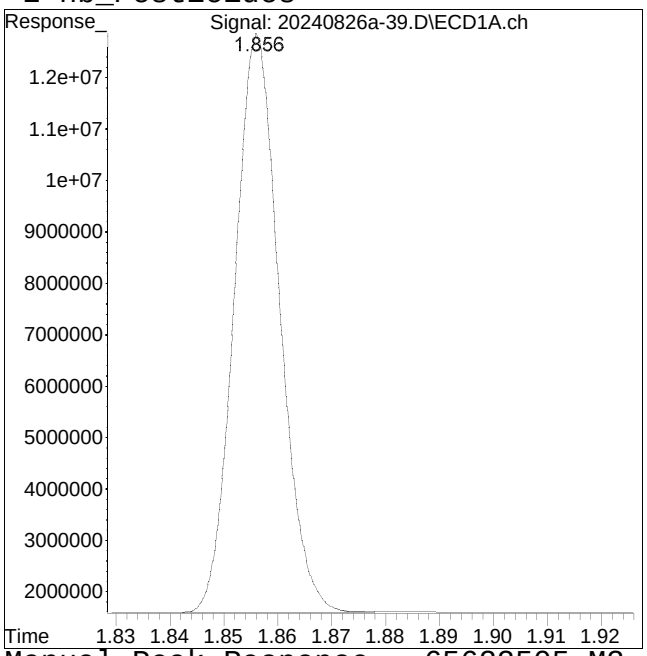


Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-39.D Operator : pest20:ejl
Date Inj'd : 8/26/2024 16:27 Instrument : PEST 20
Sample : wg1963797-4,42,,pest11604 Quant Date : 8/26/2024 11:43 pm

Compound #1: 1-br-2-nb_Pesticides



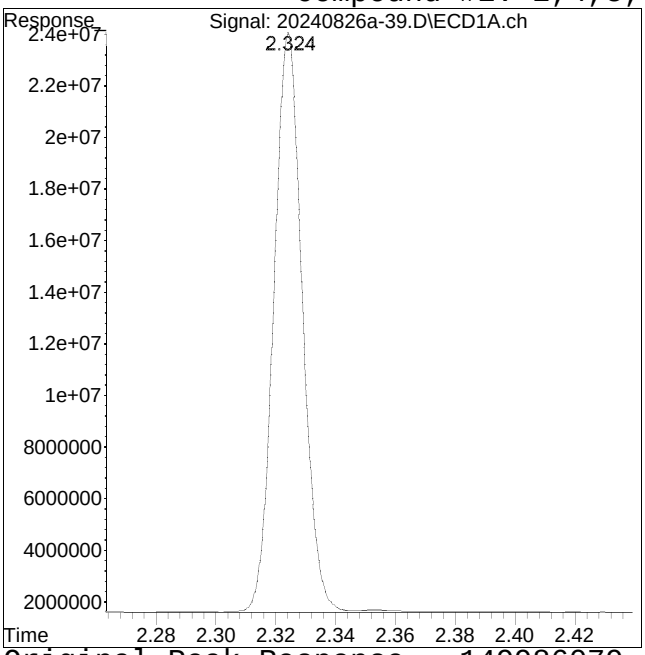


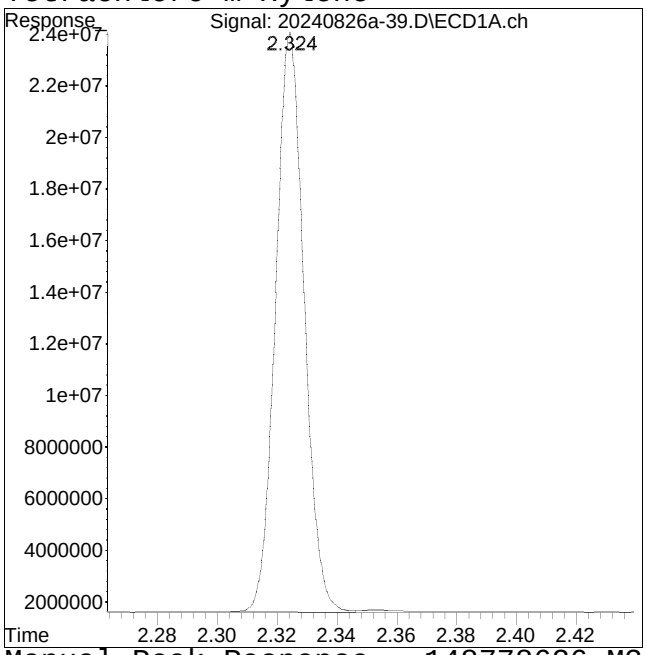
Original Peak Response = 65850780 Manual Peak Response = 65622505 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-39.D Operator : pest20:ejl
Date Inj'd : 8/26/2024 16:27 Instrument : PEST 20
Sample : wg1963797-4,42,,pest11604 Quant Date : 8/26/2024 11:43 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



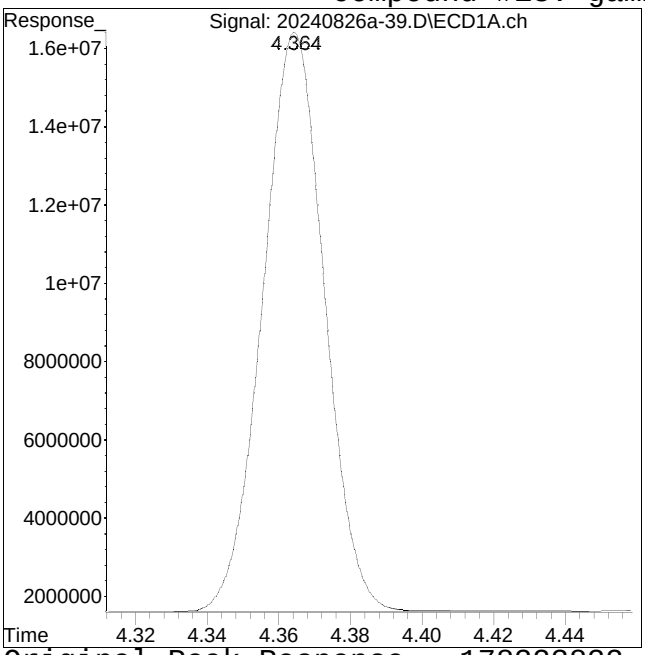


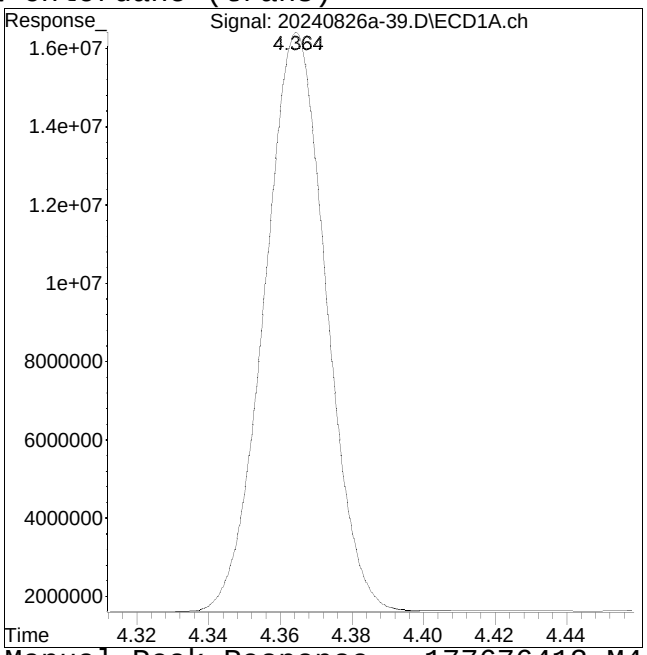
Original Peak Response = 149986079 Manual Peak Response = 148778626 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-39.D Operator : pest20:ejl
Date Inj'd : 8/26/2024 16:27 Instrument : PEST 20
Sample : wg1963797-4,42,,pest11604 Quant Date : 8/26/2024 11:43 pm

Compound #13: gamma-Chlordane (trans)





Original Peak Response = 178323832 Manual Peak Response = 177676412 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 26 Aug 2024   6:02
Operator : PEST11:ejl
Sample   : wg1963716-1,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc   : wg1963716,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:31:48 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	1.068	-2.8	99	0.00
3	t	Hexachlorobenzene		1.406	1.134	19.3	81	0.00
4	t	alpha-BHC		1.461	1.588	-8.7	97	0.00
5	t	gamma-BHC (lindane)		1.395	1.423	-2.0	94	0.00
6	t	beta-BHC		0.628	0.610	2.9	96	0.00
7	t	delta-BHC		1.374	1.404	-2.2	92	0.00
8	t	Heptachlor		1.321	1.424	-7.8	101	0.00
9	t	Aldrin		1.233	1.361	-10.4	102	0.00
10	t	Alachlor		0.230	0.198	13.9	84	0.00
11	t	Chlorpyrifos		0.590	0.634	-7.5	113	0.00
12	t	Heptachlor Epoxide		1.185	1.251	-5.6	100	0.00
13	t	gamma-Chlordane (trans)		1.077	1.316	-22.2#	117	0.00
14	t	alpha-Chlordane (cis)		1.216	1.297	-6.7	102	0.00
15	t	4,4'-DDE		1.192	1.278	-7.2	100	0.00
16	t	Endosulfan I		1.116	1.184	-6.1	101	0.00
17	t	Dieldrin		1.135	1.342	-18.2	110	0.00
18	t	Endrin		1.153	1.252	-8.6	101	0.00
19	t	4,4'-DDD		0.927	1.069	-15.3	108	0.00
20	t	Endosulfan II		1.052	1.154	-9.7	103	0.00
21	t	4,4'-DDT		1.058	1.141	-7.8	101	0.00
22	t	Endrin Aldehyde		0.886	0.824	7.0	90	0.00
23	t	Methoxychlor		0.592	0.622	-5.1	106	0.00
24	t	Mirex		0.938	1.011	-7.8	110	0.00
25	t	Endosulfan Sulfate		1.010	1.133	-12.2	110	0.00
26	t	Endrin Ketone		1.183	1.290	-9.0	104	0.00
27	s	Decachlorobiphenyl		1.163	1.083	6.9	100	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 26 Aug 2024   6:02
Operator : PEST11:ejl
Sample   : wg1963716-1,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc   : wg1963716,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:31:48 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	95	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.994	10.8	85	0.00
3	t	Hexachlorobenzene		1.239	1.050	15.3	85	0.00
4	t	alpha-BHC		1.620	1.438	11.2	79	0.00
5	t	gamma-BHC (lindane)		1.539	1.287	16.4	78	0.00
6	t	beta-BHC	*	50.000	44.509	11.0	81	0.00
7	t	delta-BHC		1.523	1.264	17.0	76	0.00
8	t	Heptachlor		1.598	1.259	21.2#	75	0.00
9	t	Aldrin		1.435	1.181	17.7	76	0.00
10	t	Alachlor	*	50.000	51.810	-3.6	89	0.00
11	t	Chlorpyrifos	*	50.000	42.432	15.1	75	0.00
12	t	Heptachlor Epoxide		1.425	1.099	22.9#	75	0.00
13	t	gamma-Chlordane (trans)		1.312	1.136	13.4	86	0.00
14	t	alpha-Chlordane (cis)		1.446	1.115	22.9#	76	0.00
15	t	4,4'-DDE		1.343	1.091	18.8	75	0.00
16	t	Endosulfan I		1.332	1.034	22.4#	76	0.00
17	t	Dieldrin		1.327	1.160	12.6	82	0.00
18	t	Endrin		1.347	1.092	18.9	76	0.00
19	t	4,4'-DDD		1.084	0.922	14.9	80	0.00
20	t	Endosulfan II		1.214	0.993	18.2	80	0.00
21	t	4,4'-DDT		1.250	0.969	22.5#	73	0.00
22	t	Endrin Aldehyde	*	50.000	38.291	23.4#	71	0.00
23	t	Methoxychlor		0.704	0.520	26.1#	76	0.00
24	t	Mirex	*	50.000	45.291	9.4	83	0.00
25	t	Endosulfan Sulfate		1.199	0.951	20.7#	80	0.00
26	t	Endrin Ketone		1.261	1.107	12.2	85	0.00
27	s	Decachlorobiphenyl		1.060	0.851	19.7	84	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 26 Aug 2024   6:02
Operator : PEST11:ejl
Sample   : wg1963716-1,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc   : wg1963716,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:31:48 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.26#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.38#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.79#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.34#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.46#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.26#
34	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-4.35#
35	l2	toxaphene-3		*2000.000	0.000	100.0#	0	-4.48#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-4.71#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.09#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.34#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.74#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.33#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-4.01#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.18#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.34#
34	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-5.01#
35	l2	toxaphene-3		*2000.000	0.000	100.0#	0	-5.03#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-5.36#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.77#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 6:02
Operator : PEST11:ejl
Sample : wg1963716-1,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:31:48 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.261	1.337	226.9E6	173.9E6	25.000M3	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.598	1.799	484.8E6	345.6E6	51.414M3	44.620
	Spiked Amount 50.000	Range 30 - 150		Recovery =		102.83%	89.24%
27) s	Decachlorobi	6.224	6.855	491.6E6	295.8E6	46.582M4	40.132
	Spiked Amount 50.000	Range 30 - 150		Recovery =		93.16%	80.26%
	Target Compounds						
3) t	Hexachlorobe	1.807	2.112	514.7E6	365.2E6	40.343M4	42.380
4) t	alpha-BHC	1.903	2.203	720.7E6	500.1E6	54.374M4	44.397
5) t	gamma-BHC (l	2.102	2.482	645.7E6	447.6E6	50.987	41.821
6) t	beta-BHC	2.156	2.547	276.6E6	195.6E6	48.550M3	44.509M4
7) t	delta-BHC	2.282	2.809	636.8E6	439.5E6	51.074M4	41.501
8) t	Heptachlor	2.442	2.870	646.0E6	437.8E6	53.888M4	39.400
9) t	Aldrin	2.680	3.183	617.5E6	410.6E6	55.174M4	41.149
10) t	Alachlor	2.800	3.069	89928443	65944322	43.039	51.810
11) t	Chlorpyrifos	2.890	3.417	287.9E6	207.8E6	53.786M4	42.432
12) t	Heptachlor E	3.215	3.786	567.8E6	382.2E6	52.780M3	38.560M3

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 6:02
Operator : PEST11:ejl
Sample : wg1963716-1,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:31:48 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) t	gamma-Chlord	3.338	4.004	597.2E6	395.2E6	61.101M3	43.324
14) t	alpha-Chlord	3.470	4.175	588.4E6	387.6E6	53.307M3	38.548
15) t	4,4'-DDE	3.568	4.383	579.7E6	379.3E6	53.611	40.619M4
16) t	Endosulfan I	3.603	4.238	537.5E6	359.5E6	53.061M3	38.813
17) t	Dieldrin	3.859	4.538	608.7E6	403.5E6	59.092	43.715M4
18) t	Endrin	4.111	4.843	568.2E6	379.7E6	54.313	40.537
19) t	4,4'-DDD	4.230	4.973	485.2E6	320.5E6	57.652	42.527M4
20) t	Endosulfan I	4.361	5.047	523.4E6	345.3E6	54.823	40.919M4
21) t	4,4'-DDT	4.532	5.253	517.9E6	336.8E6	53.921M3	38.741M4
22) t	Endrin Aldeh	4.787	5.347	373.9E6	249.2E6	46.472M3	38.291M4
23) t	Methoxychlor	5.032	5.826	282.4E6	180.7E6	52.575	36.879
24) t	Mirex	5.082	5.953	458.6E6	285.9E6	53.898M3	45.291
25) t	Endosulfan S	5.185	5.579	514.2E6	330.6E6	56.118M3	39.651
26) t	Endrin Keton	5.413	5.992	585.6E6	384.8E6	54.532	43.887
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 6:02
Operator : PEST11:ejl
Sample : wg1963716-1,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:31:48 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

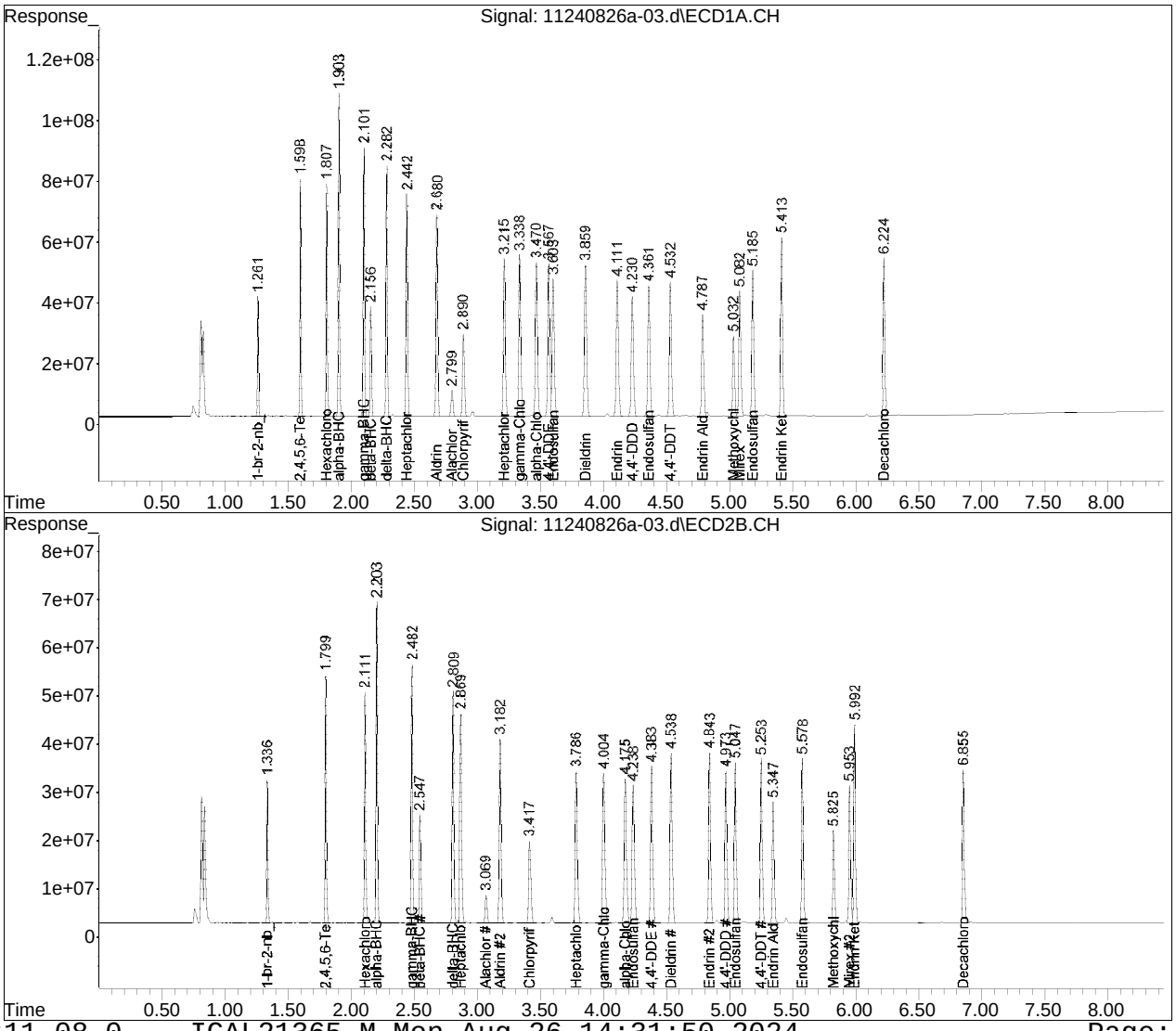
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 6:02
Operator : PEST11:ejl
Sample : wg1963716-1,42,,pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:31:48 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

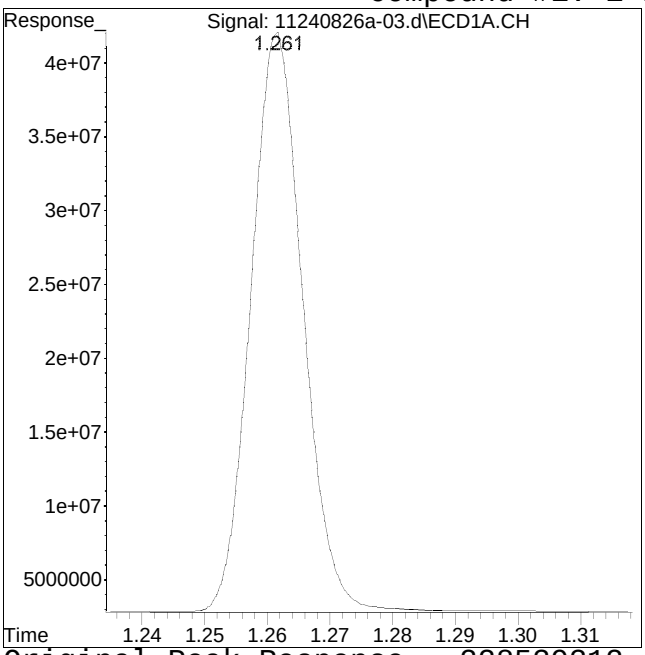
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

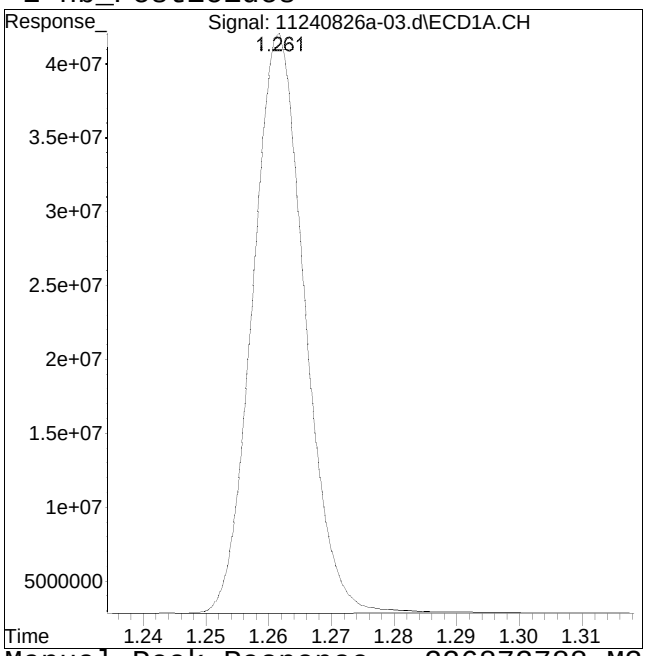


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #1: 1-br-2-nb_Pesticides



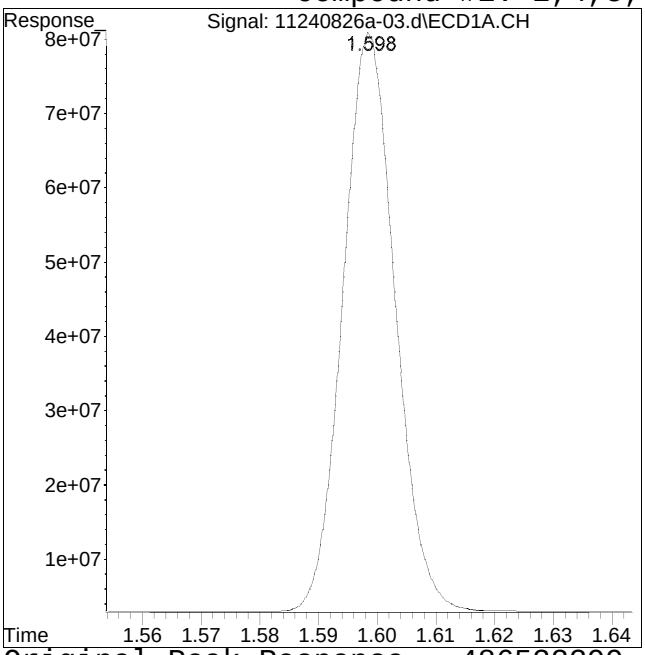


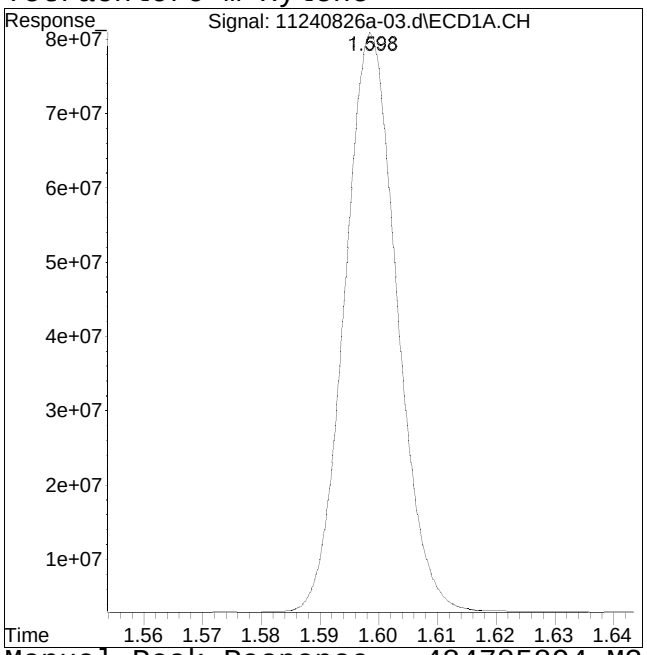
Original Peak Response = 228539312 Manual Peak Response = 226873788 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



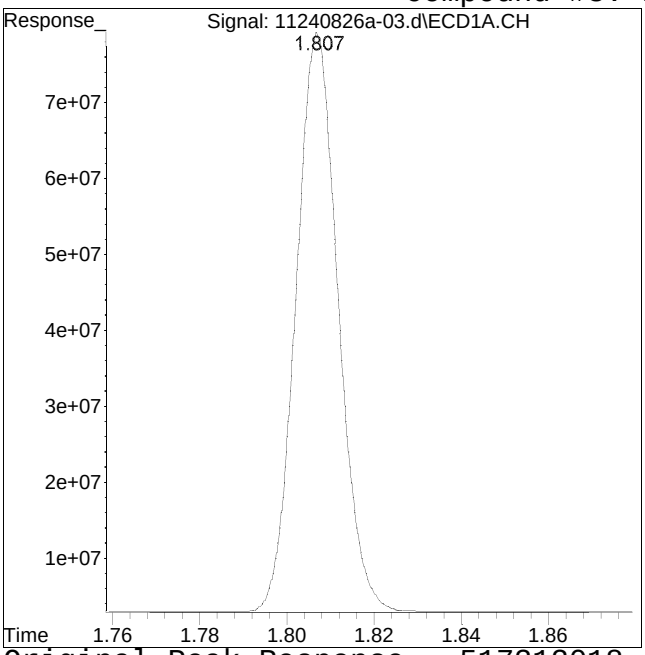


Original Peak Response = 486532399 Manual Peak Response = 484785894 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

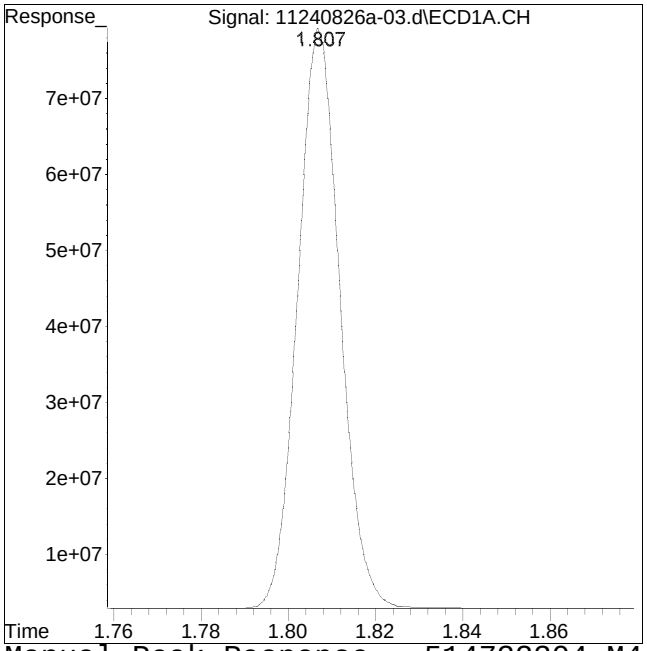
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #3: Hexachlorobenzene



Original Peak Response = 517312018



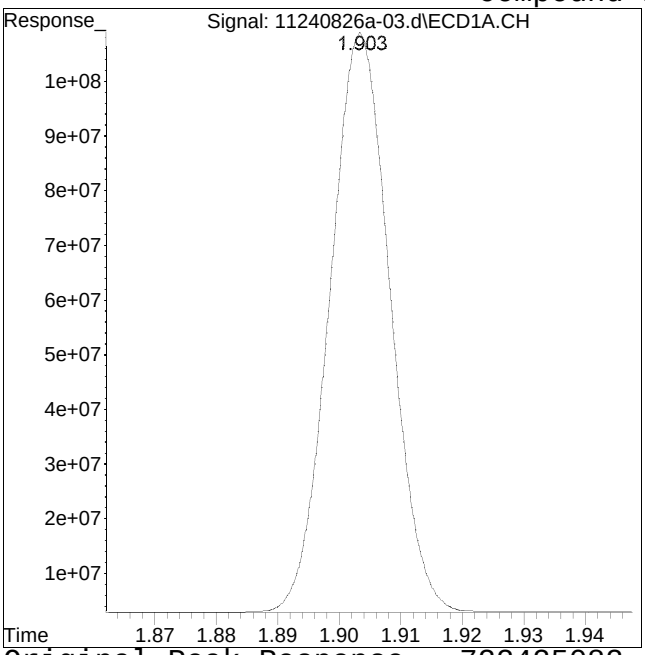
Manual Peak Response = 514733304 M4

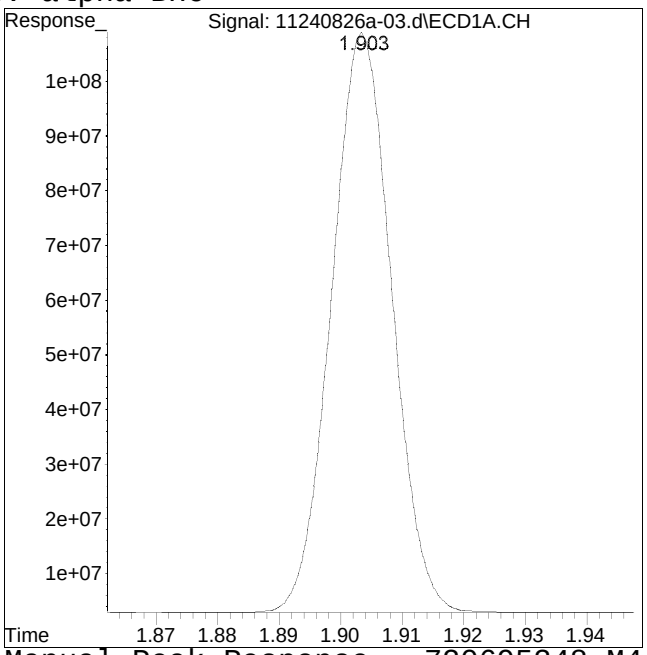
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #4: alpha-BHC



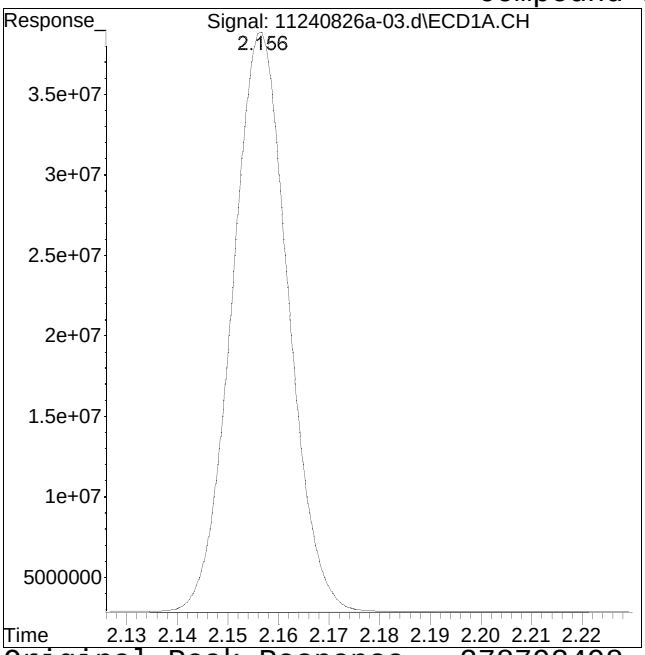


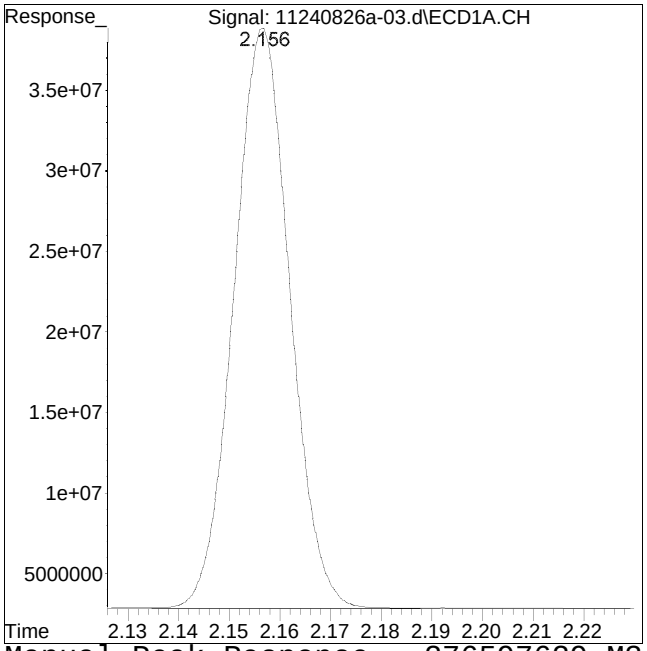
Original Peak Response = 722425082 Manual Peak Response = 720695348 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #6: beta-BHC



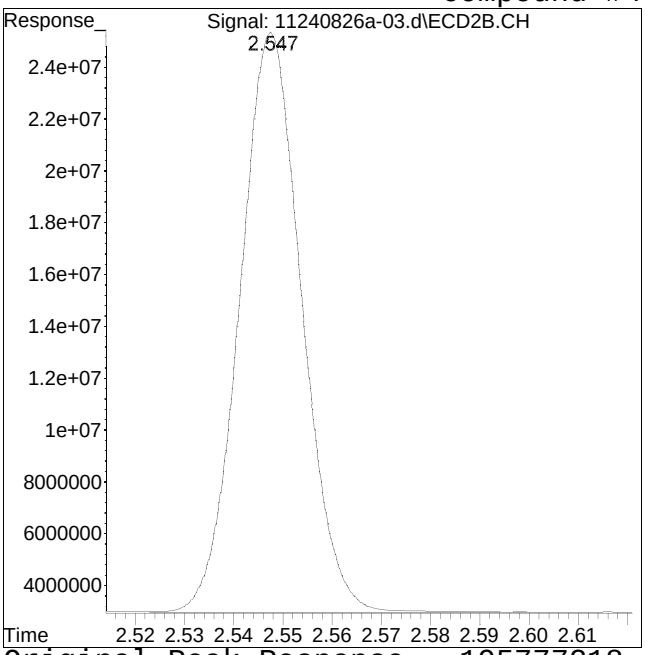


Original Peak Response = 278792498 Manual Peak Response = 276597629 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

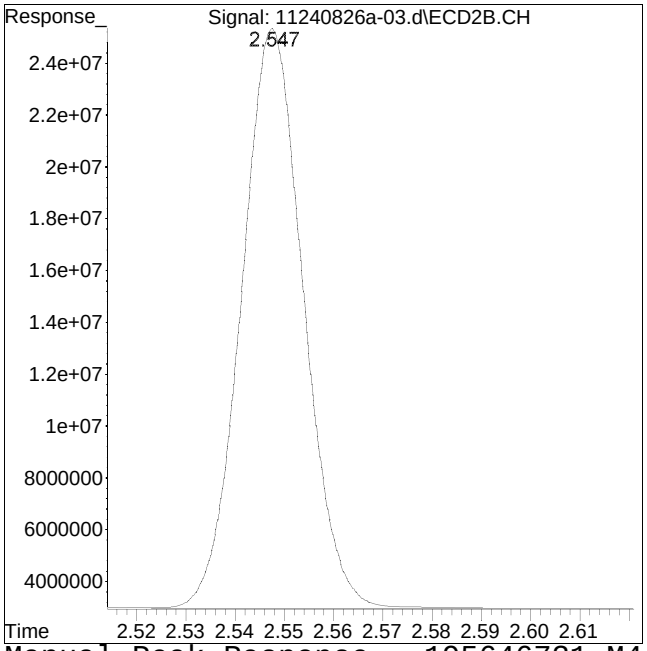
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #44: beta-BHC #2



Original Peak Response = 195777218



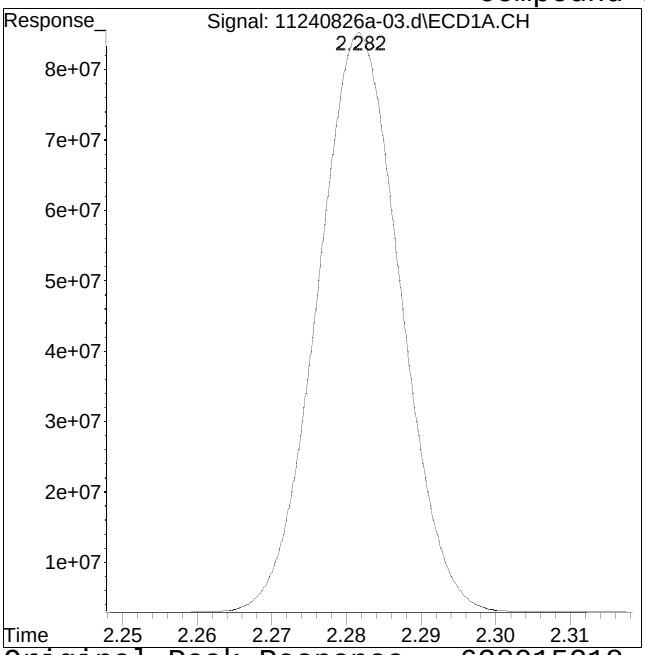
Manual Peak Response = 195646731 M4

M4 = Poor automated baseline construction.

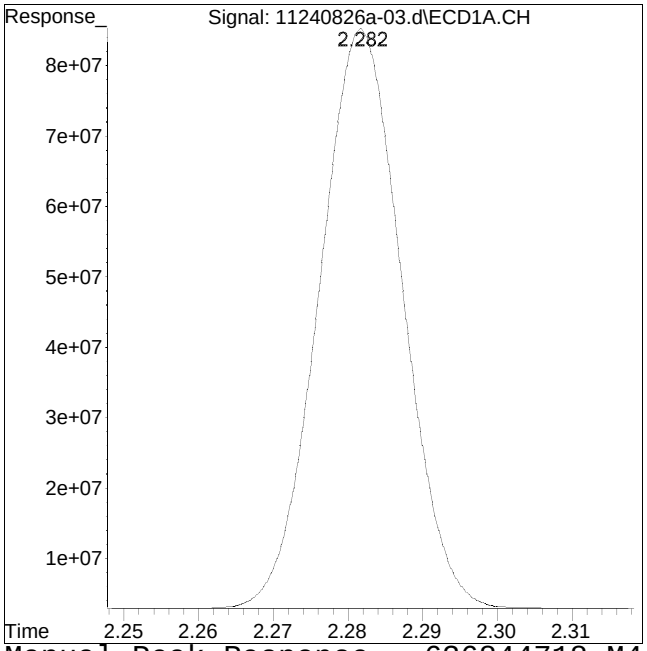
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #7: delta-BHC



Original Peak Response = 638015218



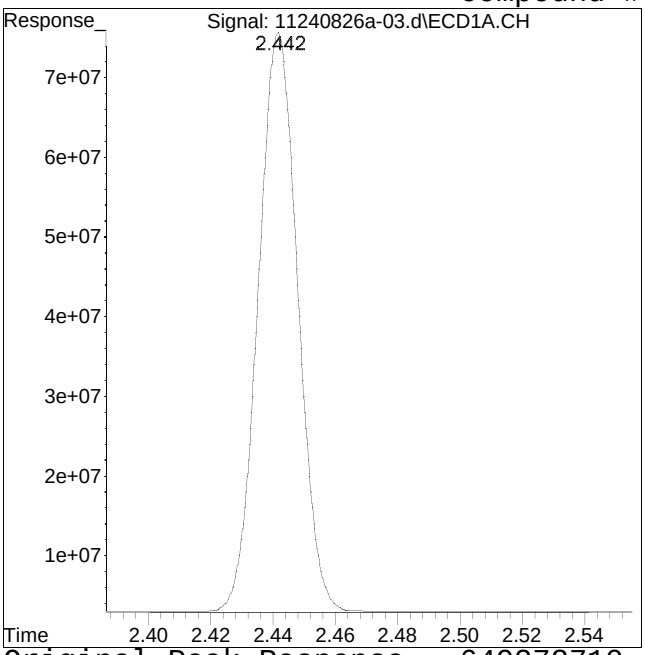
Manual Peak Response = 636844718 M4

M4 = Poor automated baseline construction.

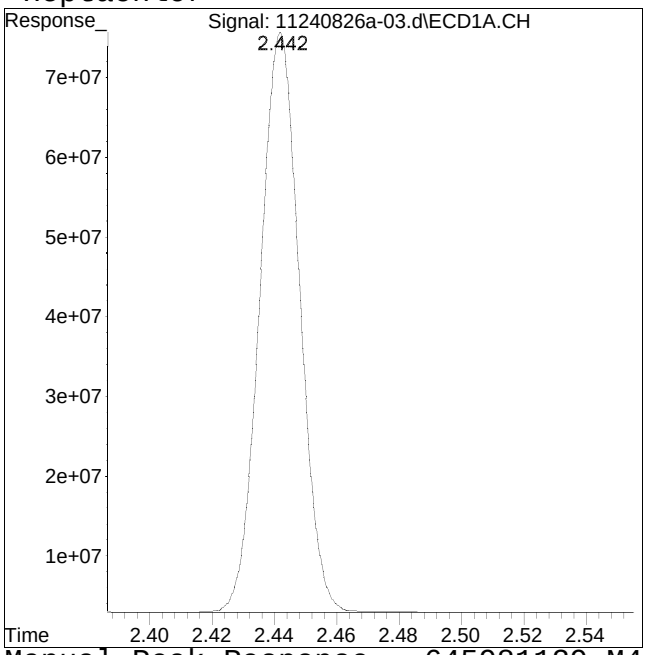
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #8: Heptachlor



Original Peak Response = 649272710



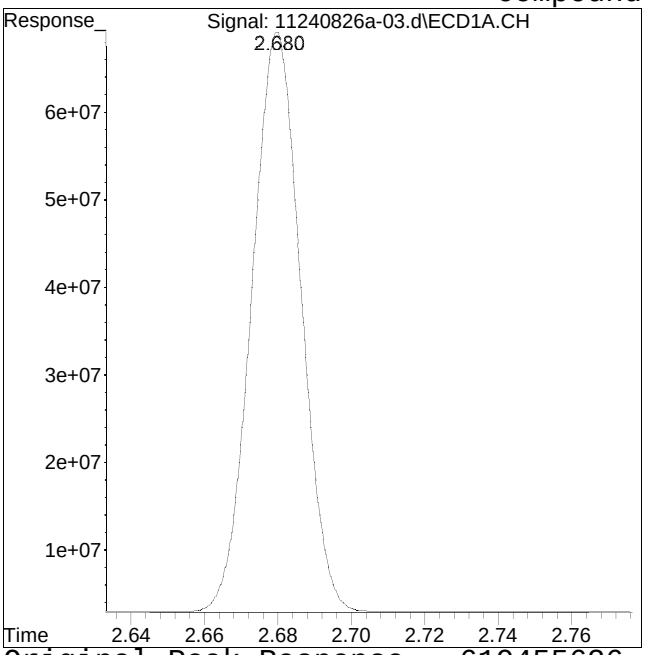
Manual Peak Response = 645981129 M4

M4 = Poor automated baseline construction.

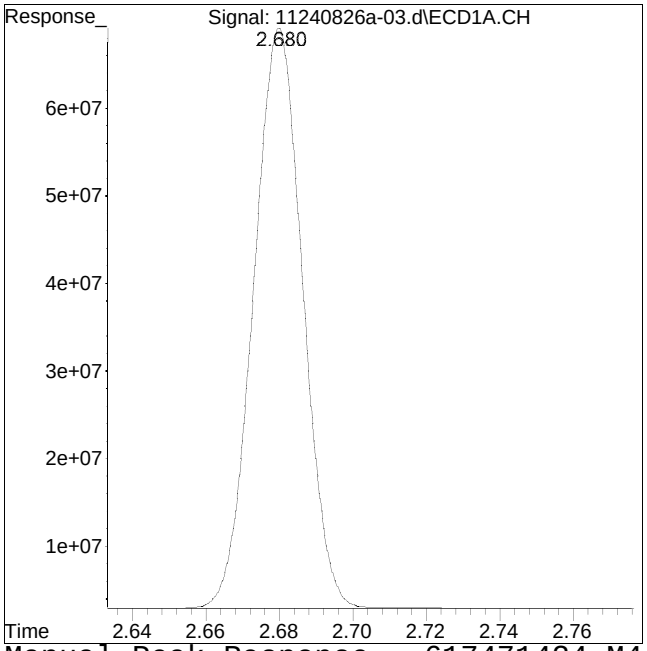
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #9: Aldrin



Original Peak Response = 619455626



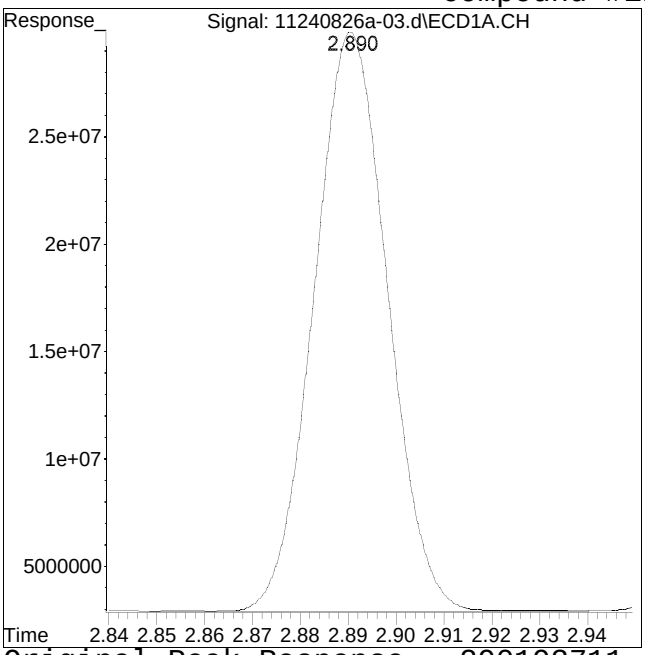
Manual Peak Response = 617471424 M4

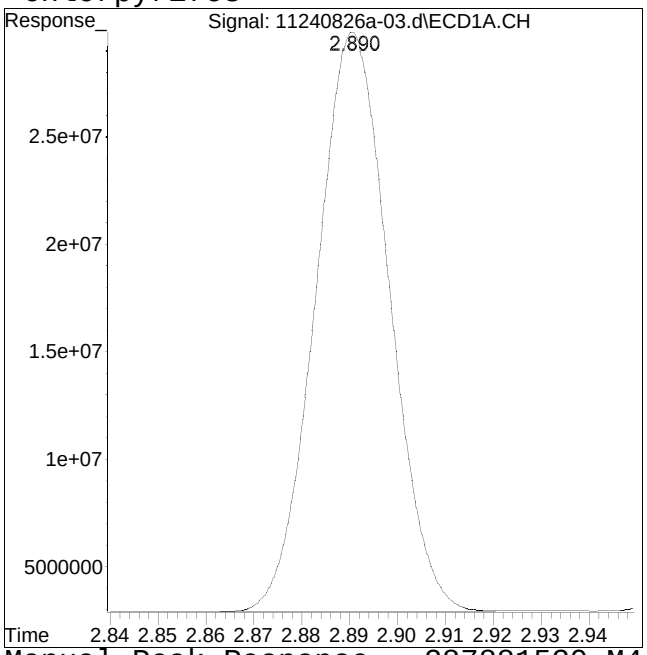
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #11: Chlorpyrifos



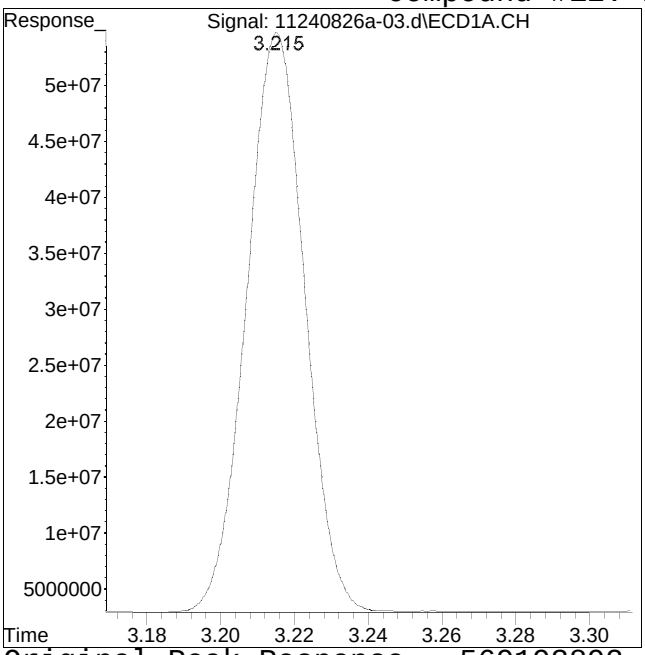


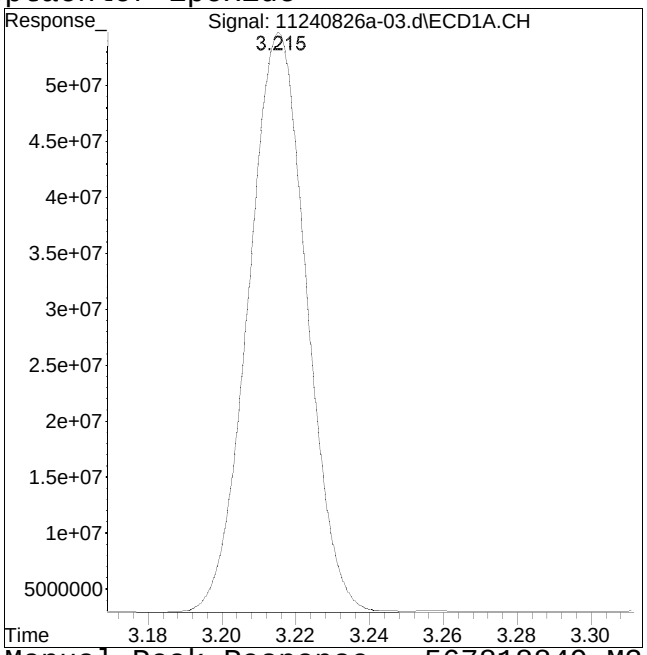
Original Peak Response = 290193711 Manual Peak Response = 287881530 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #12: Heptachlor Epoxide



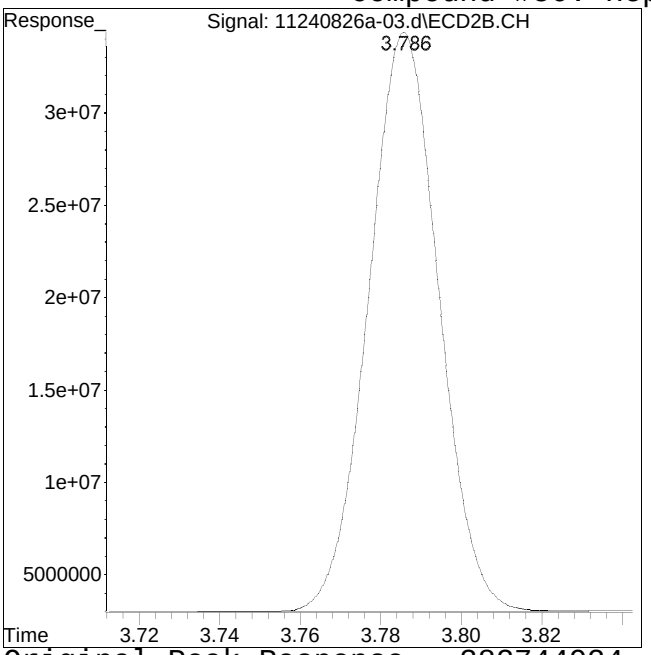


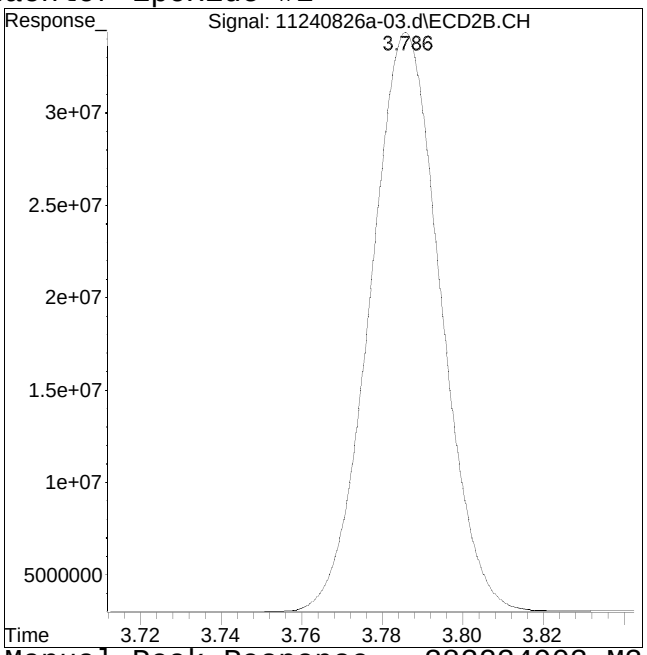
Original Peak Response = 569193892 Manual Peak Response = 567818849 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #50: Heptachlor Epoxide #2



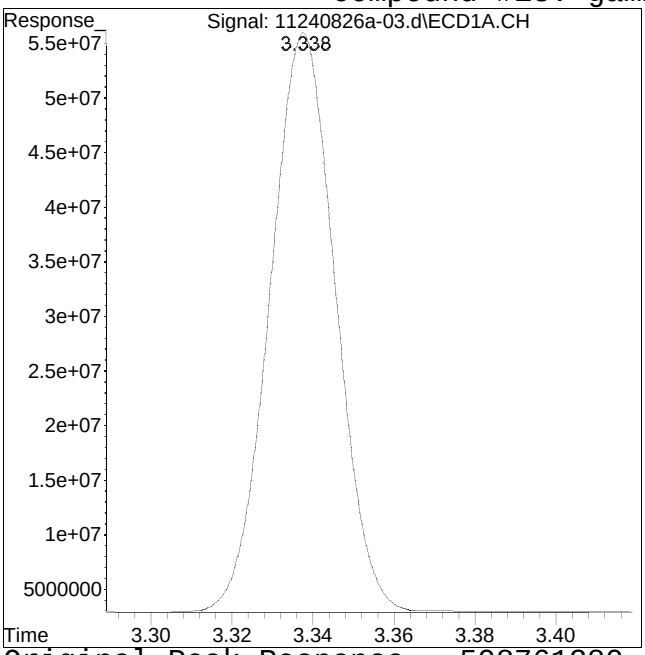


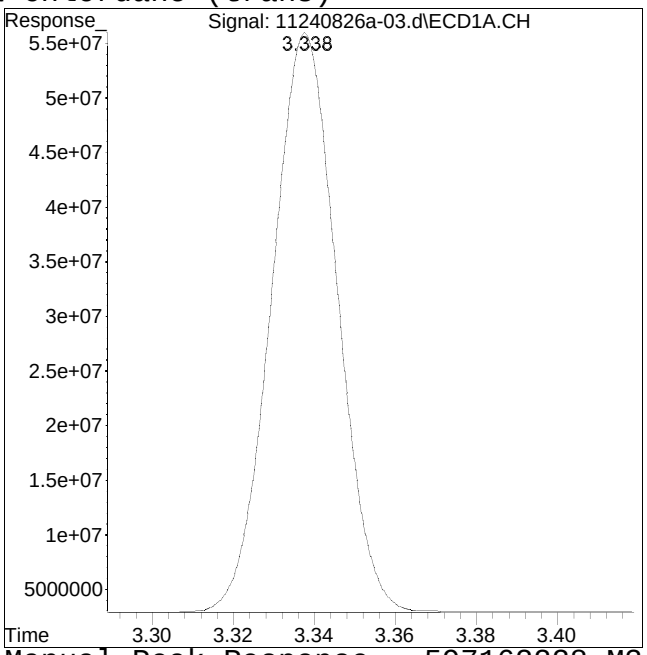
Original Peak Response = 382744924 Manual Peak Response = 382234903 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #13: gamma-Chlordane (trans)



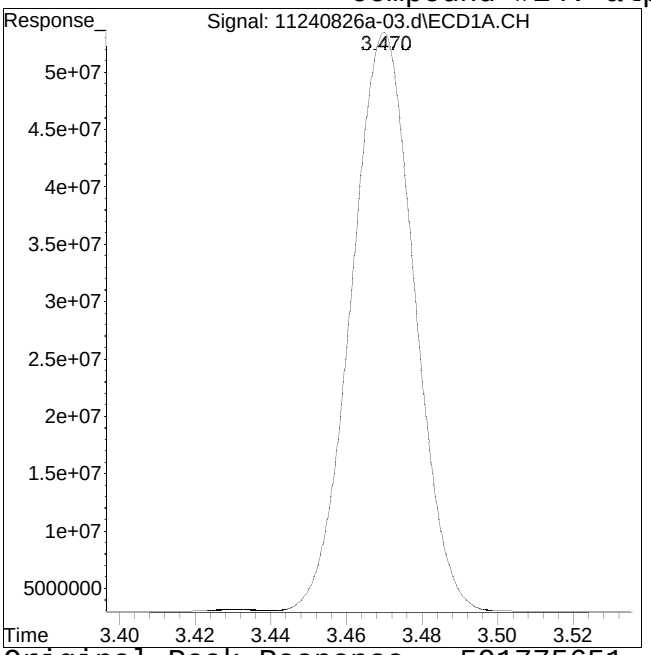


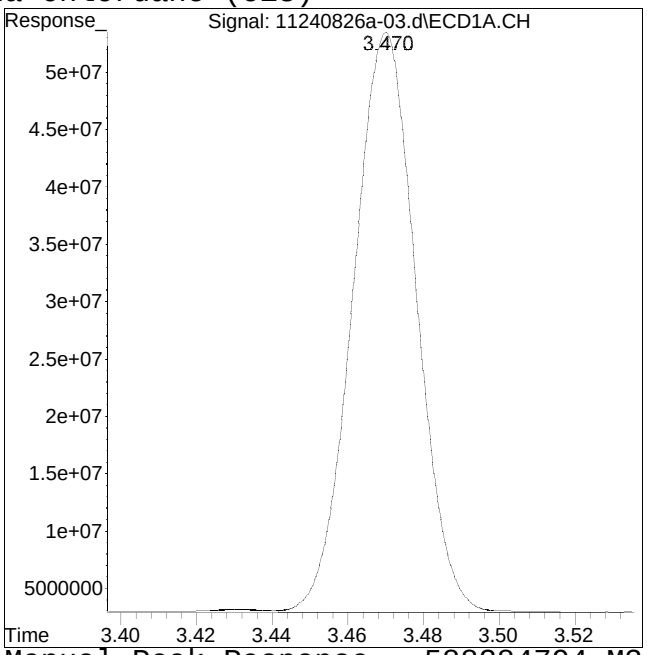
Original Peak Response = 598761380 Manual Peak Response = 597162228 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #14: alpha-Chlordane (cis)



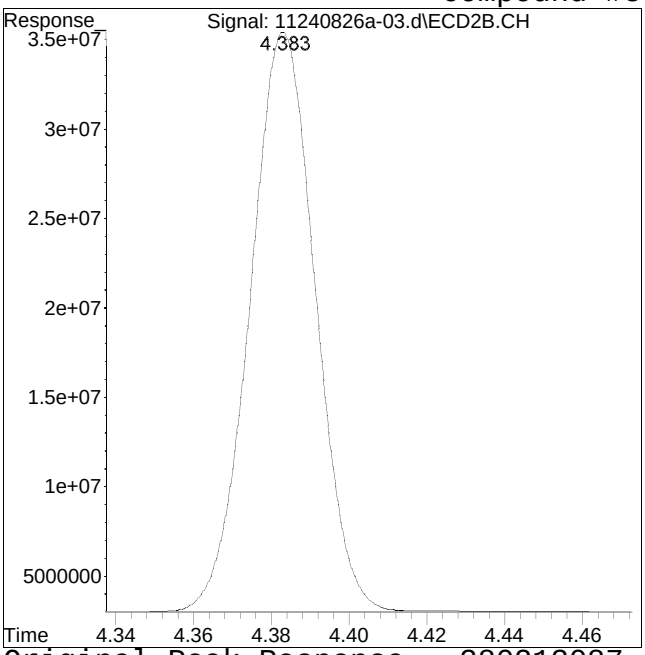


Original Peak Response = 591775651 Manual Peak Response = 588384794 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

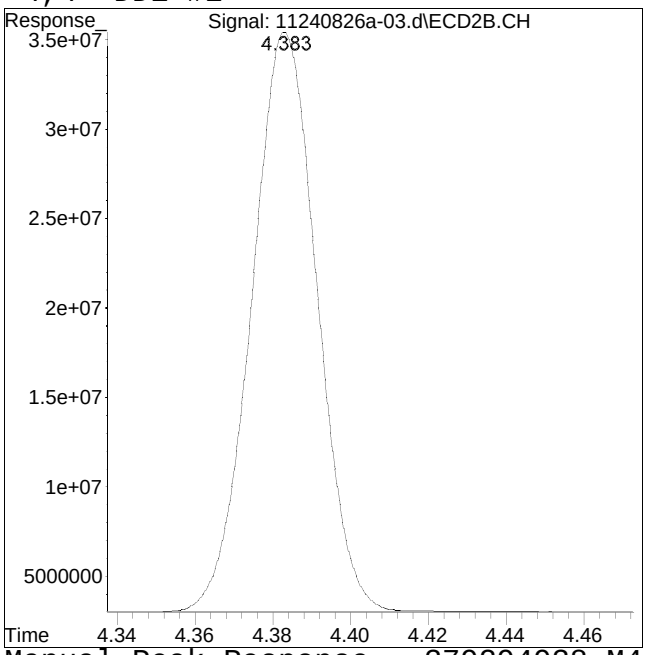
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 380213087



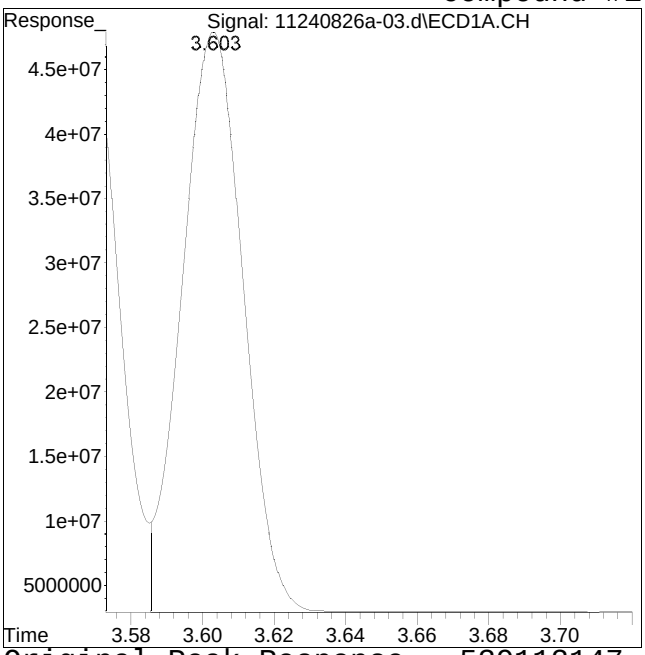
Manual Peak Response = 379294938 M4

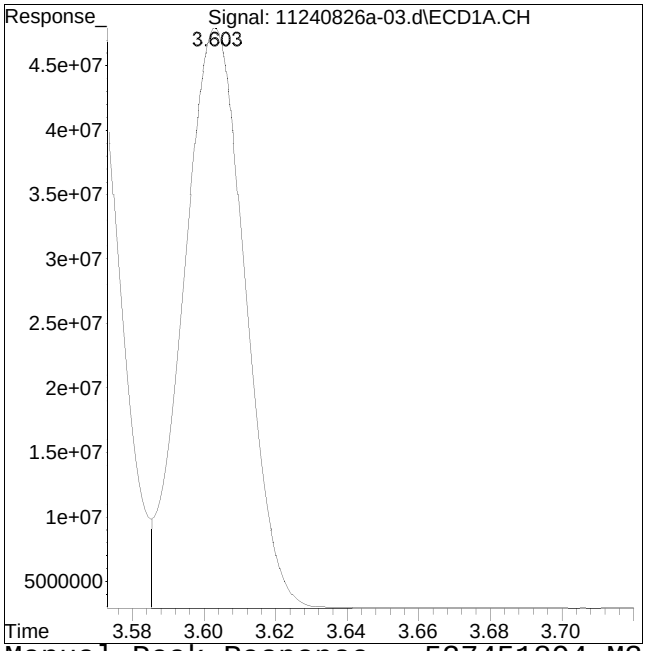
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #16: Endosulfan I



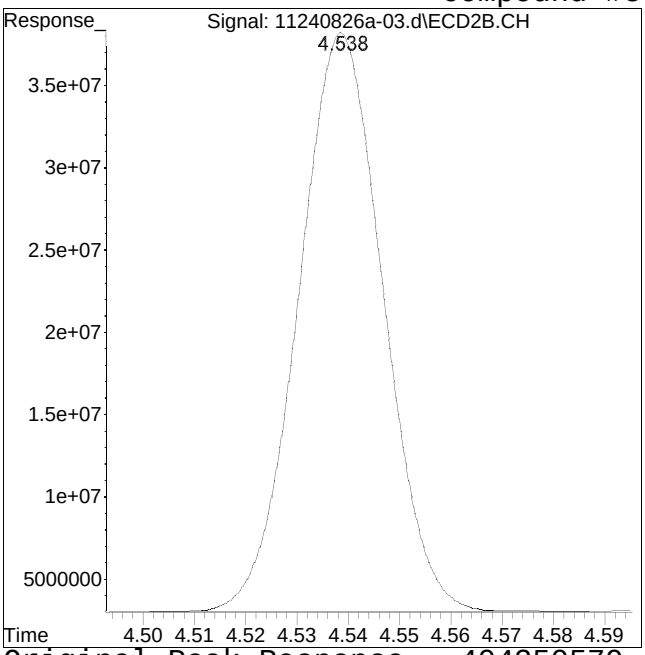


Original Peak Response = 539112147 Manual Peak Response = 537451894 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

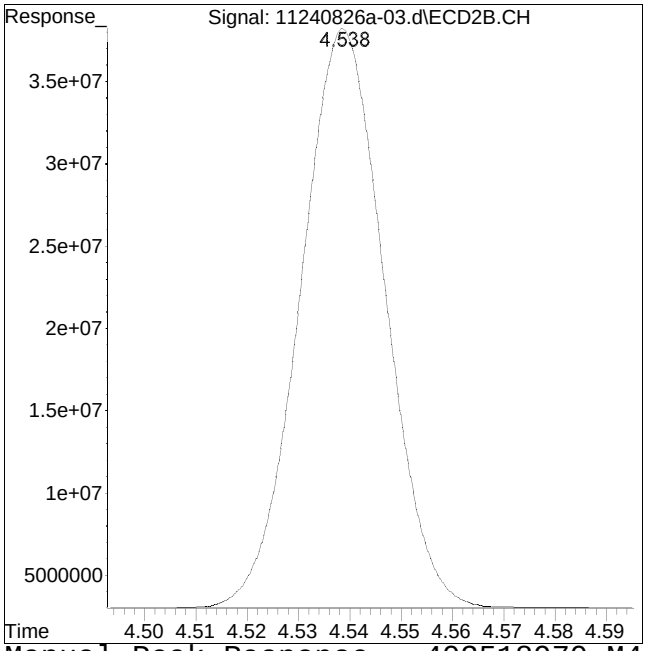
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #55: Dieldrin #2



Original Peak Response = 404350579



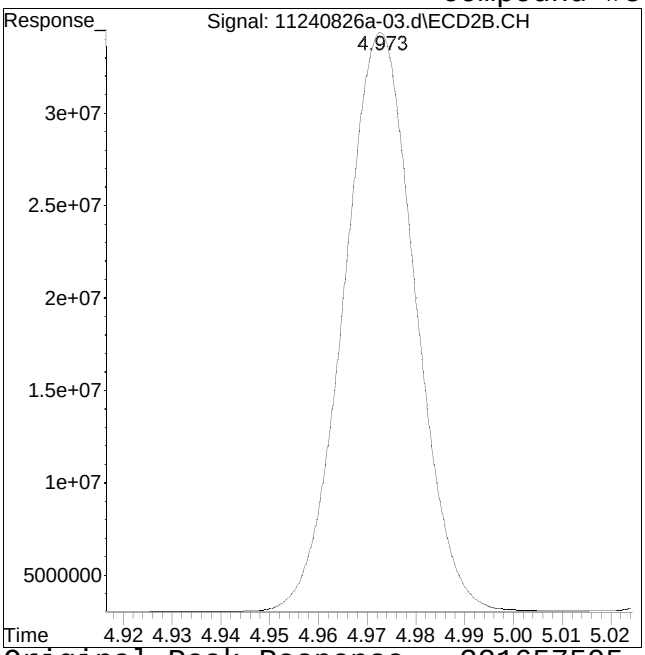
Manual Peak Response = 403518970 M4

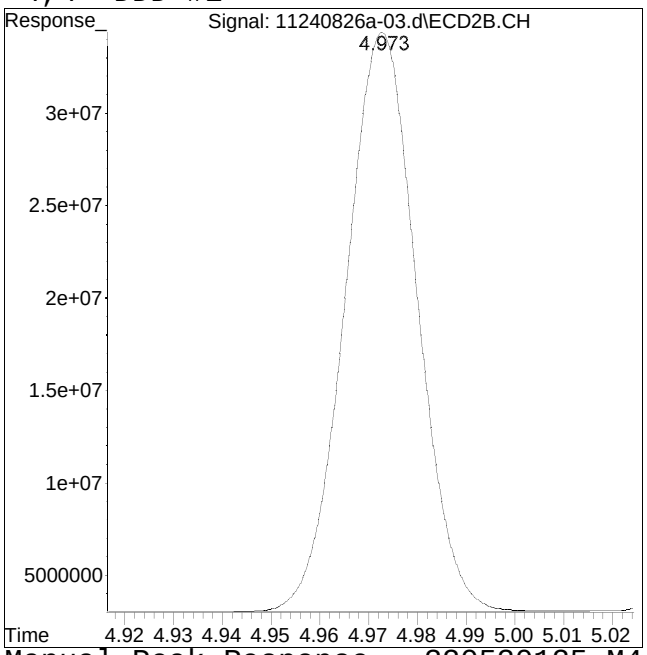
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #57: 4,4'-DDD #2



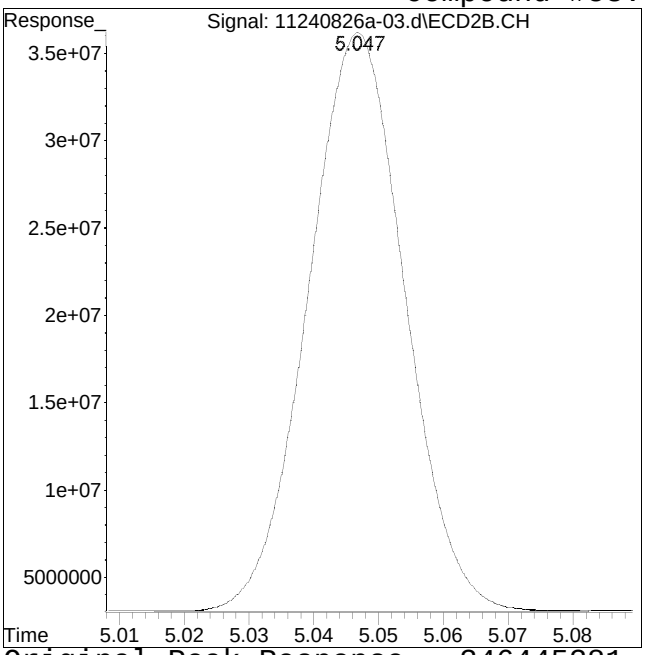


Original Peak Response = 321657505 Manual Peak Response = 320530125 M4
M4 = Poor automated baseline construction.

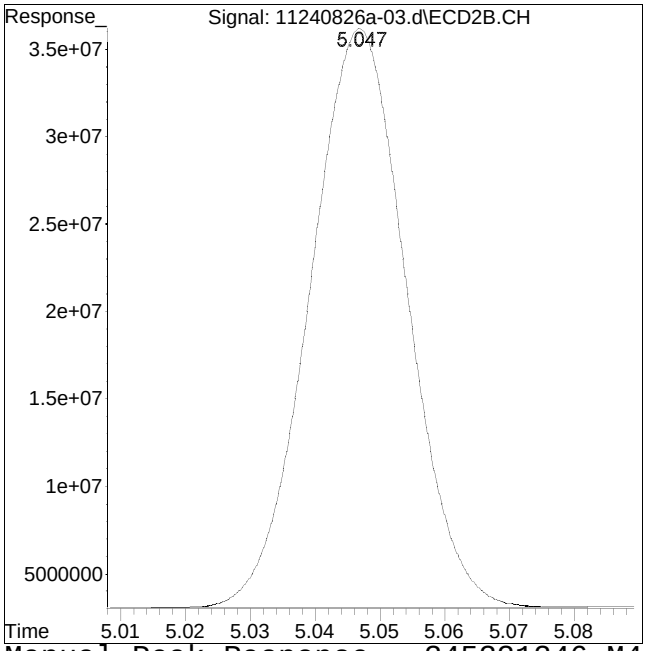
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #58: Endosulfan II #2



Original Peak Response = 346445381



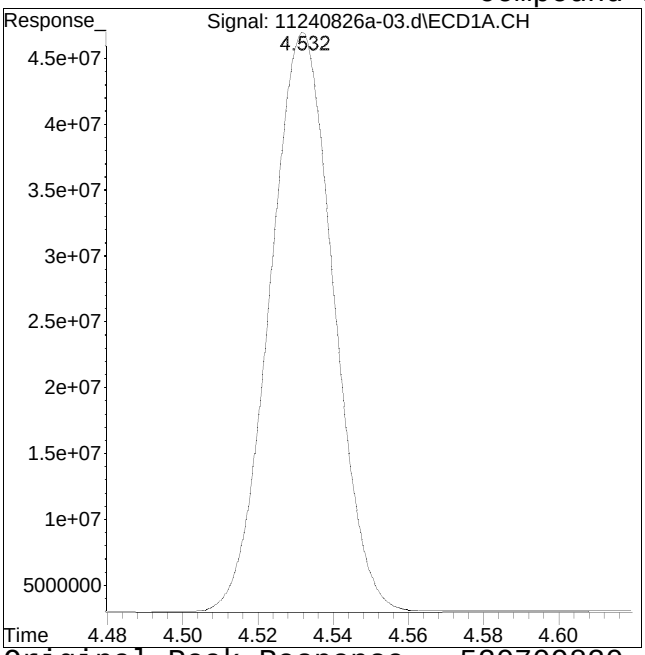
Manual Peak Response = 345331246 M4

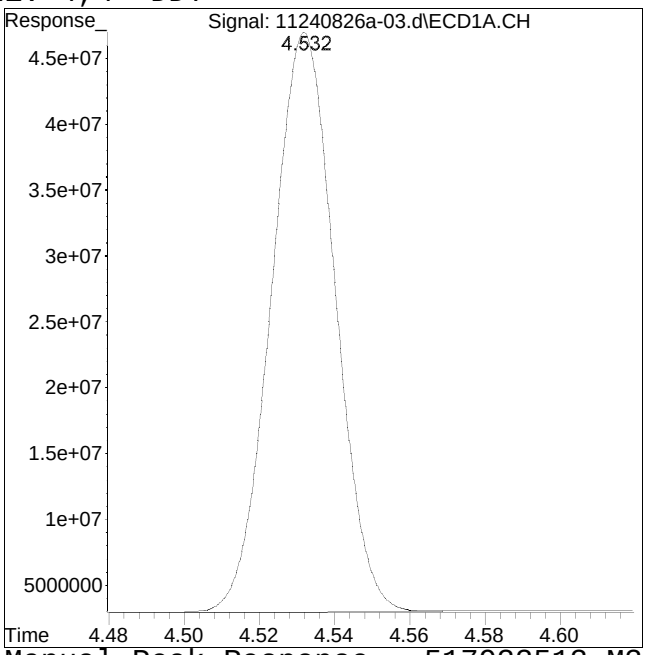
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #21: 4,4'-DDT



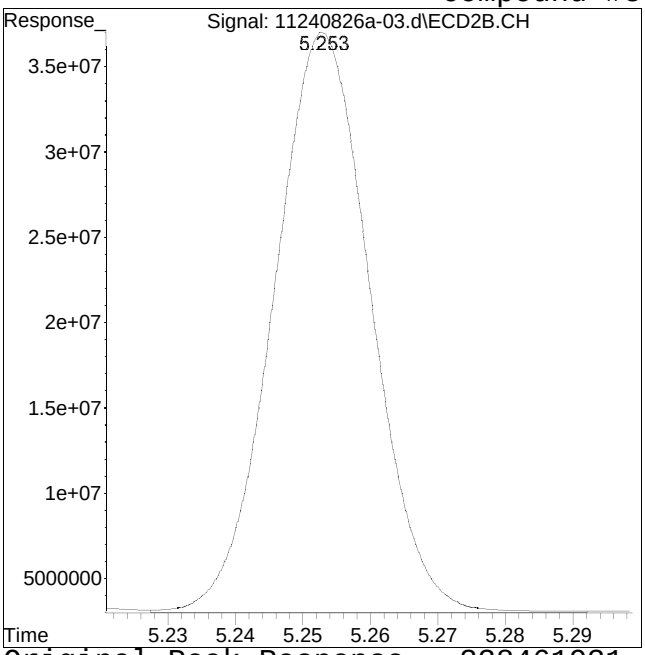


Original Peak Response = 520709820 Manual Peak Response = 517933513 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

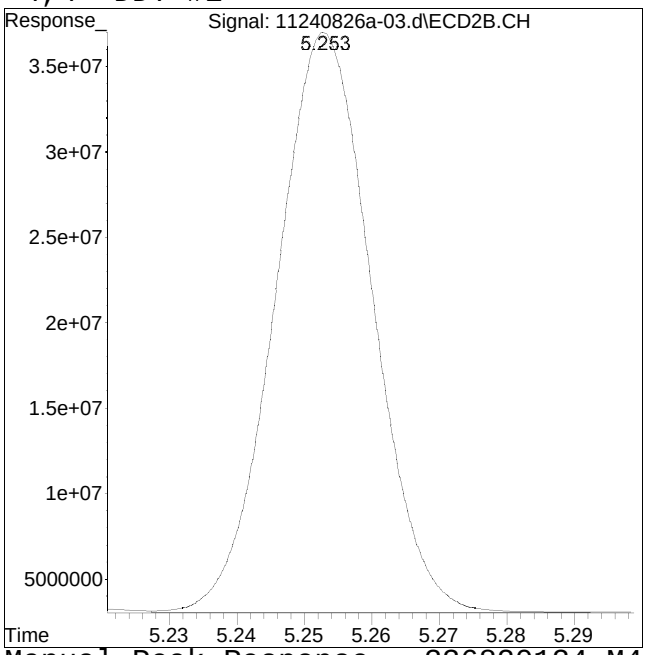
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 338461931



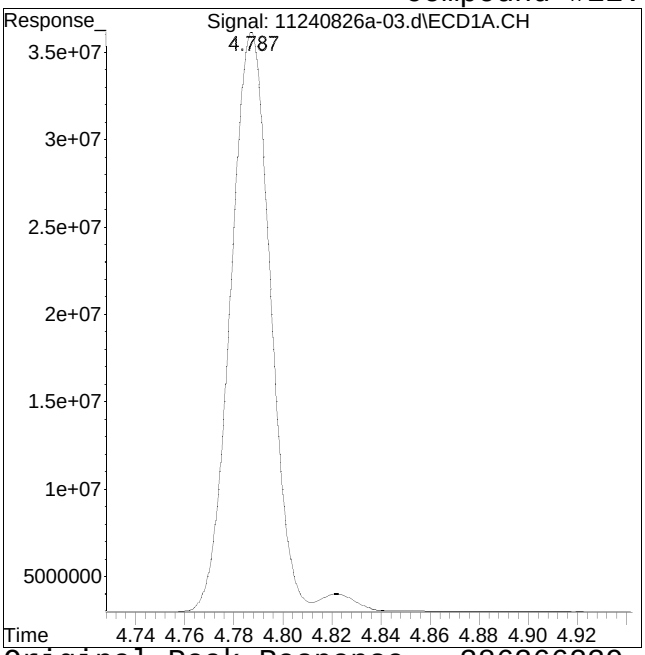
Manual Peak Response = 336820124 M4

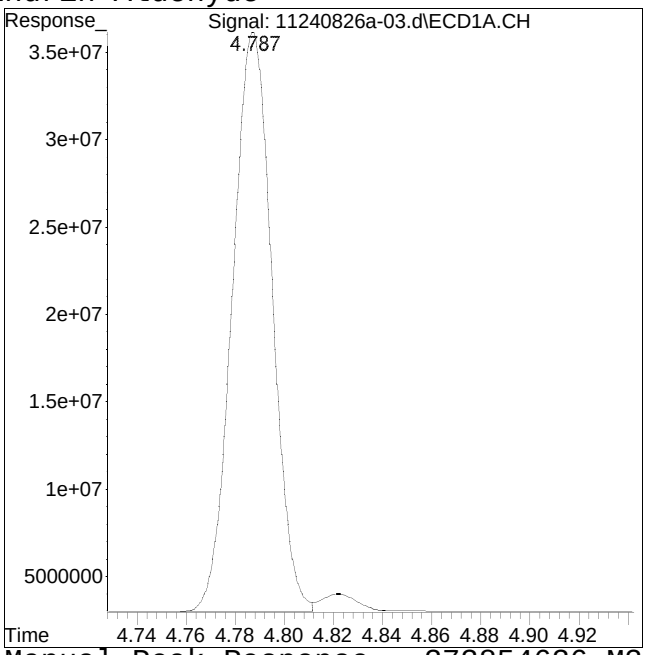
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #22: Endrin Aldehyde



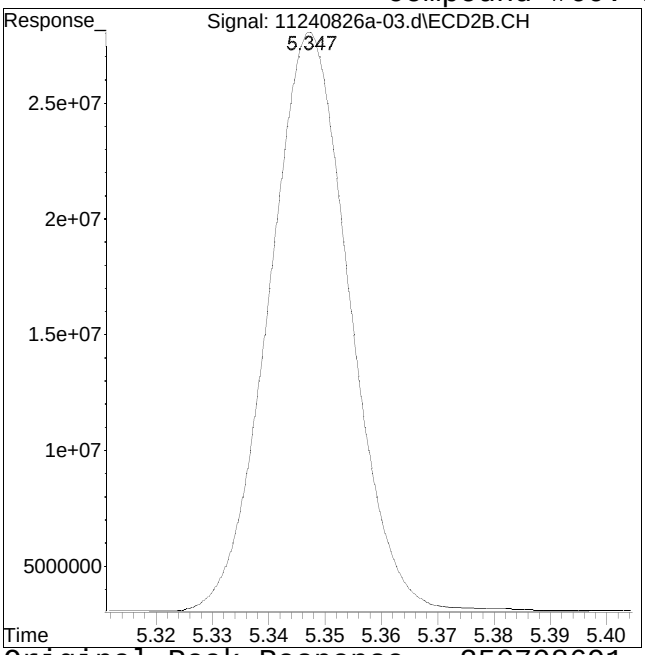


Original Peak Response = 386366239 Manual Peak Response = 373854636 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

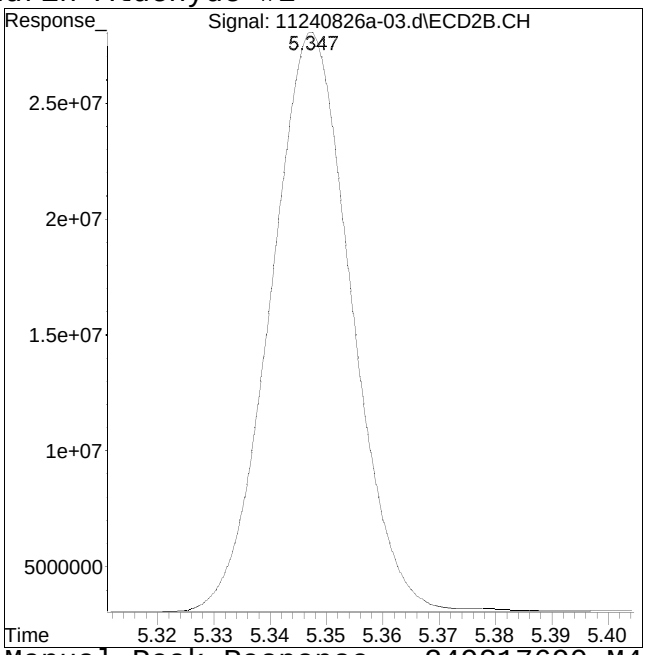
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 250708691



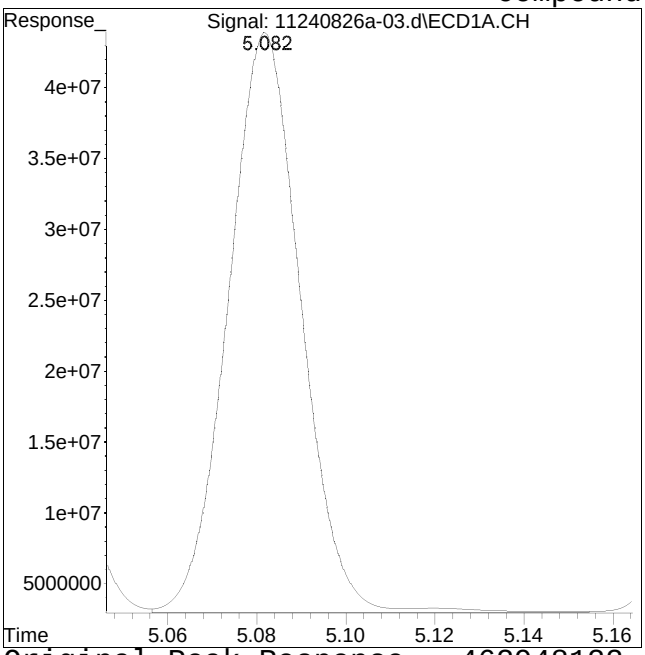
Manual Peak Response = 249217690 M4

M4 = Poor automated baseline construction.

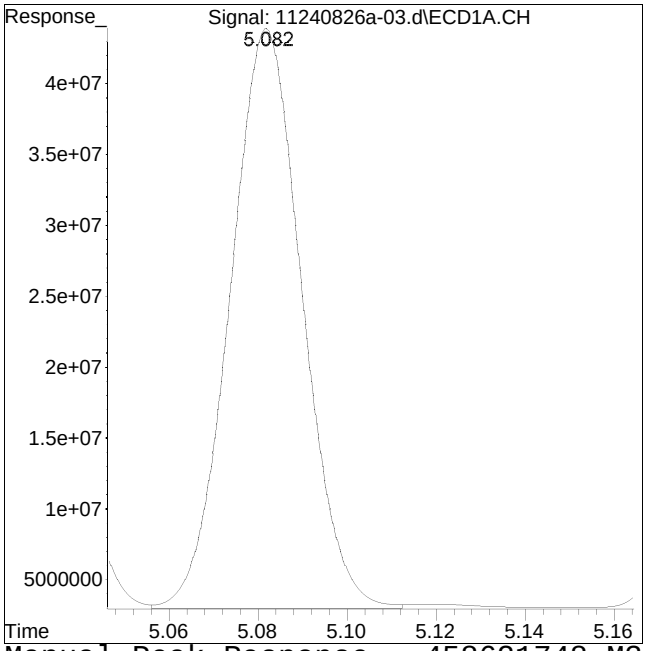
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #24: Mirex



Original Peak Response = 462948122



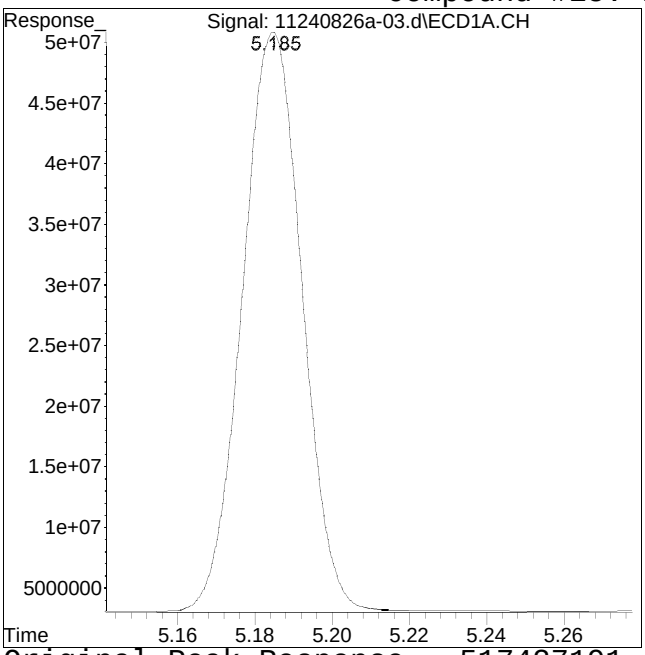
Manual Peak Response = 458621748 M3

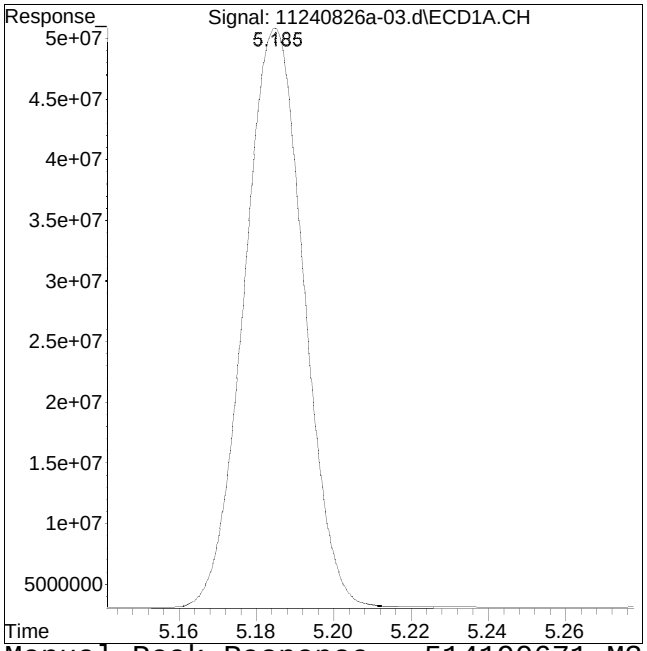
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #25: Endosulfan Sulfate



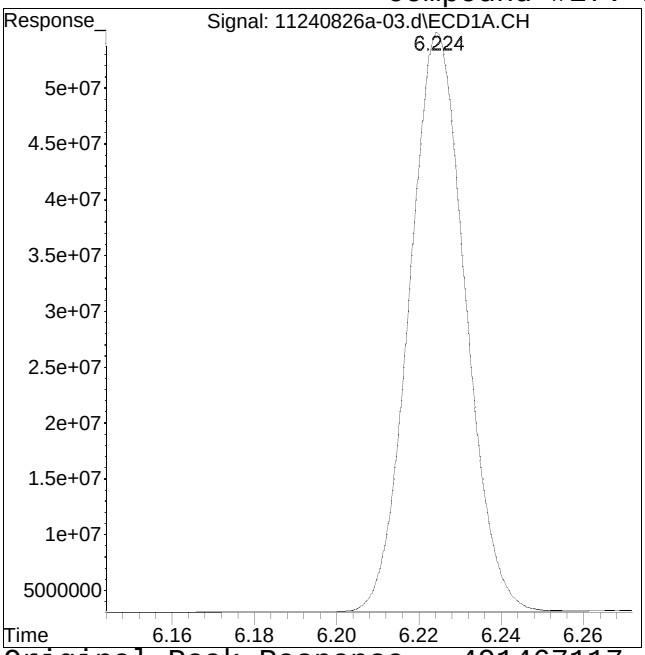


Original Peak Response = 517427191 Manual Peak Response = 514190671 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

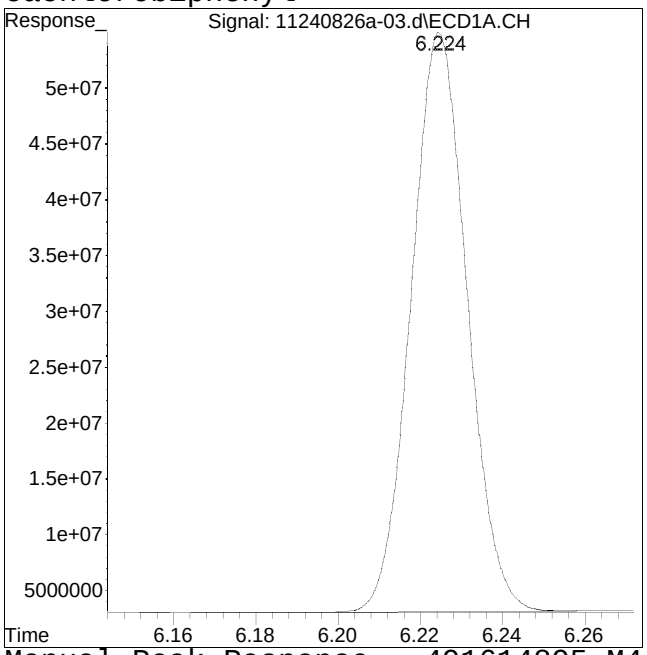
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-03.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:02 Instrument : Pest 11
Sample : wg1963716-1,42,,pest11604 Quant Date : 8/26/2024 6:31 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 491467117



Manual Peak Response = 491614895 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 26 Aug 2024   6:13
Operator : PEST11:ejl
Sample   : wg1963716-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1963716,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:00 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	94	0.00
29	l1	chlordane-1		*1000.000	1355.804	-35.6#	124	0.00
30	l1	chlordane-3		*1000.000	1361.811	-36.2#	120	0.00
31	l1	chlordane-4		*1000.000	1423.280	-42.3#	128	0.00
32	l1	chlordane-5		*1000.000	1595.999	-59.6#	142	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	97	0.00
29	l1	chlordane-1		*1000.000	1033.108	-3.3	94	0.00
30	l1	chlordane-3		*1000.000	1056.514	-5.7	92	0.00
31	l1	chlordane-4		*1000.000	960.059	4.0	87	0.00
32	l1	chlordane-5		*1000.000	952.905	4.7	87	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.26#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	0.000	100.0#	0#	-1.60#
3	t	Hexachlorobenzene		1.406	0.000	100.0#	0#	-1.81#
4	t	alpha-BHC		1.461	0.000	100.0#	0#	-1.90#
5	t	gamma-BHC (lindane)		1.395	0.000	100.0#	0#	-2.10#
6	t	beta-BHC		0.628	0.000	100.0#	0#	-2.16#
7	t	delta-BHC		1.374	0.000	100.0#	0#	-2.28#
8	t	Heptachlor		1.321	0.000	100.0#	0#	-2.44#
9	t	Aldrin		1.233	0.000	100.0#	0#	-2.68#
10	t	Alachlor		0.230	0.000	100.0#	0#	-2.80#
11	t	Chlorpyrifos		0.590	0.000	100.0#	0#	-2.89#
12	t	Heptachlor Epoxide		1.185	0.000	100.0#	0#	-3.22#
13	t	gamma-Chlordane (trans)		1.077	0.000	100.0#	0#	-3.34#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 26 Aug 2024   6:13
Operator : PEST11:ejl
Sample   : wg1963716-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1963716,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:00 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.216	0.000	100.0#	0#	-3.47#
15	t	4,4'-DDE		1.192	0.000	100.0#	0#	-3.57#
16	t	Endosulfan I		1.116	0.000	100.0#	0#	-3.60#
17	t	Dieldrin		1.135	0.000	100.0#	0#	-3.86#
18	t	Endrin		1.153	0.000	100.0#	0#	-4.11#
19	t	4,4'-DDD		0.927	0.000	100.0#	0#	-4.23#
20	t	Endosulfan II		1.052	0.000	100.0#	0#	-4.36#
21	t	4,4'-DDT		1.058	0.000	100.0#	0#	-4.53#
22	t	Endrin Aldehyde		0.886	0.000	100.0#	0#	-4.79#
23	t	Methoxychlor		0.592	0.000	100.0#	0#	-5.03#
24	t	Mirex		0.938	0.000	100.0#	0#	-5.08#
25	t	Endosulfan Sulfate		1.010	0.000	100.0#	0#	-5.19#
26	t	Endrin Ketone		1.183	0.000	100.0#	0#	-5.41#
27	s	Decachlorobiphenyl		1.163	0.000	100.0#	0#	-6.22#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.26#
34	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-4.35#
35	l2	toxaphene-3		*2000.000	0.000	100.0#	0	-4.48#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-4.71#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.09#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.34#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-1.80#
3	t	Hexachlorobenzene		1.239	0.000	100.0#	0#	-2.11#
4	t	alpha-BHC		1.620	0.000	100.0#	0#	-2.20#
5	t	gamma-BHC (lindane)		1.539	0.000	100.0#	0#	-2.48#
6	t	beta-BHC	*	50.000	0.000	100.0#	0	-2.55#
7	t	delta-BHC		1.523	0.000	100.0#	0#	-2.81#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 26 Aug 2024   6:13
Operator : PEST11:ejl
Sample   : wg1963716-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1963716,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:00 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.598	0.000	100.0#	0#	-2.87#
9	t	Aldrin		1.435	0.000	100.0#	0#	-3.18#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.07#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.42#
12	t	Heptachlor Epoxide		1.425	0.000	100.0#	0#	-3.79#
13	t	gamma-Chlordane (trans)		1.312	0.000	100.0#	0#	-4.01#
14	t	alpha-Chlordane (cis)		1.446	0.000	100.0#	0#	-4.18#
15	t	4,4'-DDE		1.343	0.000	100.0#	0#	-4.38#
16	t	Endosulfan I		1.332	0.000	100.0#	0#	-4.24#
17	t	Dieldrin		1.327	0.000	100.0#	0#	-4.54#
18	t	Endrin		1.347	0.000	100.0#	0#	-4.84#
19	t	4,4'-DDD		1.084	0.000	100.0#	0#	-4.97#
20	t	Endosulfan II		1.214	0.000	100.0#	0#	-5.05#
21	t	4,4'-DDT		1.250	0.000	100.0#	0#	-5.25#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.35#
23	t	Methoxychlor		0.704	0.000	100.0#	0#	-5.83#
24	t	Mirex	*	50.000	0.000	100.0#	0	-5.95#
25	t	Endosulfan Sulfate		1.199	0.000	100.0#	0#	-5.58#
26	t	Endrin Ketone		1.261	0.000	100.0#	0#	-5.99#
27	s	Decachlorobiphenyl		1.060	0.000	100.0#	0#	-6.85#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.34#
34	l2	toxaphene-2	*	2000.000	0.000	100.0#	0	-5.01#
35	l2	toxaphene-3	*	2000.000	0.000	100.0#	0	-5.03#
36	l2	toxaphene-4	*	2000.000	0.000	100.0#	0	-5.36#
37	l2	toxaphene-5	*	2000.000	0.000	100.0#	0	-5.77#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 6:13
Operator : PEST11:ejl
Sample : wg1963716-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:00 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.262	1.337	209.2E6	179.9E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 6:13
Operator : PEST11:ejl
Sample : wg1963716-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:00 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29) l1	chlordane-1	2.381	2.739	412.8E6	276.4E6	1355.804	1033.108	
30) l1	chlordane-3	2.791	3.333	481.4E6	310.6E6	1361.811	1056.514	
31) l1	chlordane-4	3.339	4.005	1852.4E6	1078.3E6	1423.280	960.059	
32) l1	chlordane-5	3.462	4.177	3188.2E6	822.3E6	1595.999	952.905	
Sum	chlordane-1			5934.8E6	2487.6E6	N.D.	N.D.	D
Average	chlordane-1					1434.223	1000.646	
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

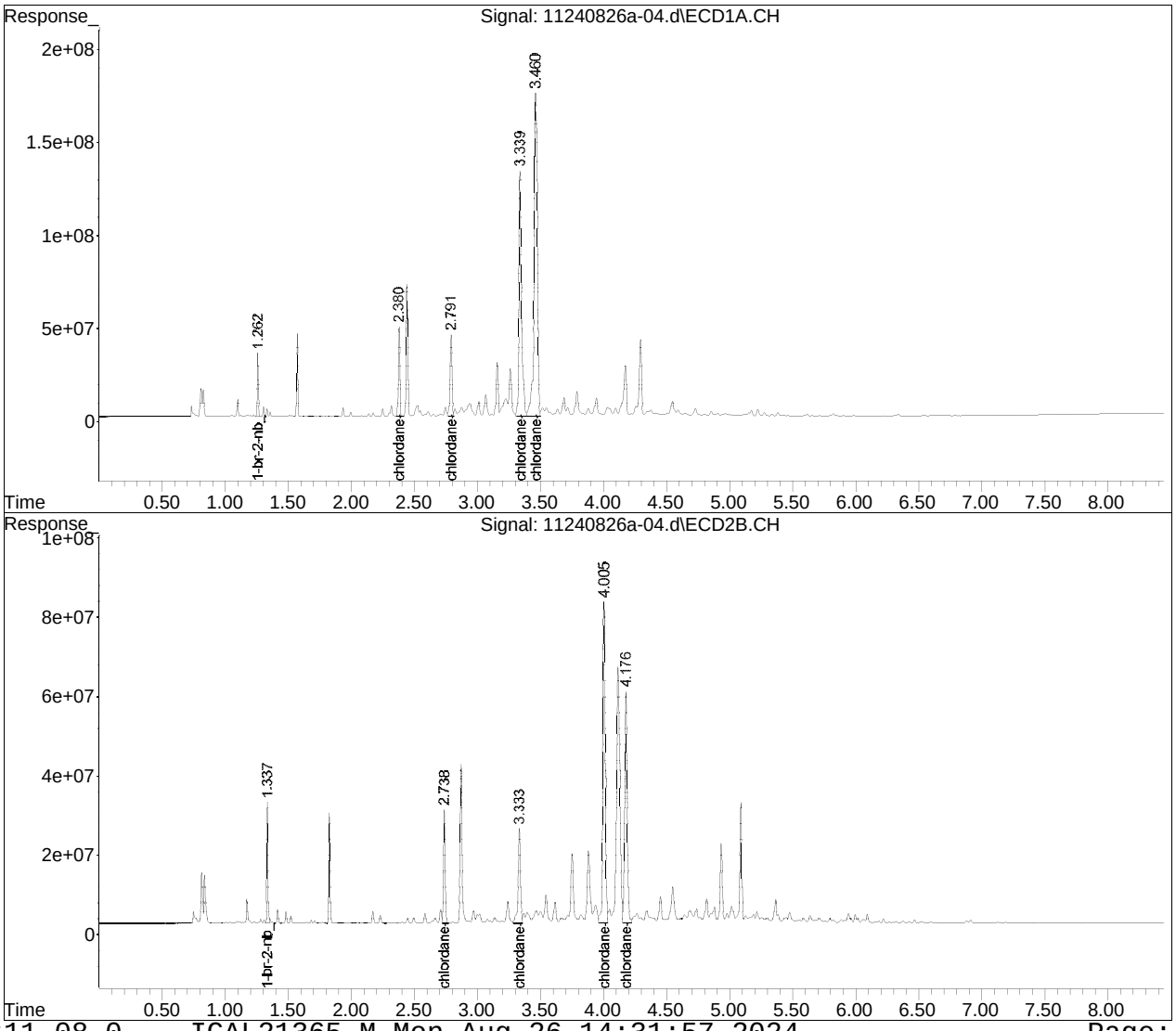
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 6:13
Operator : PEST11:ejl
Sample : wg1963716-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:00 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

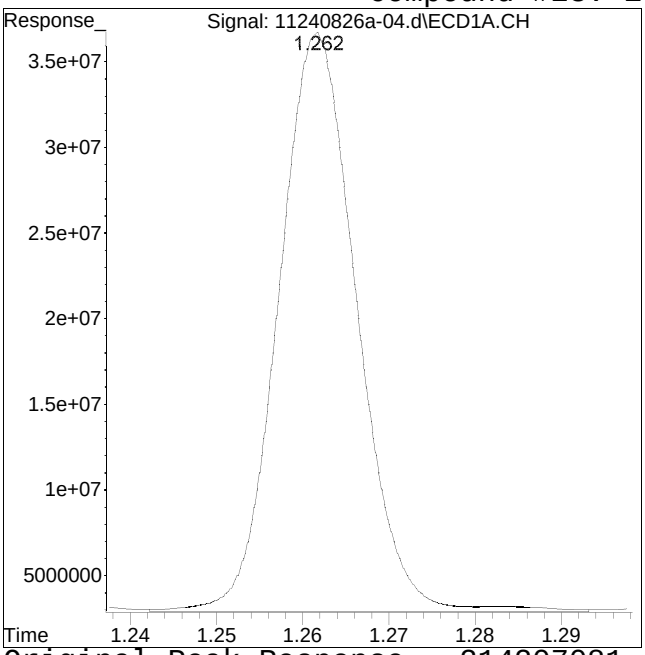


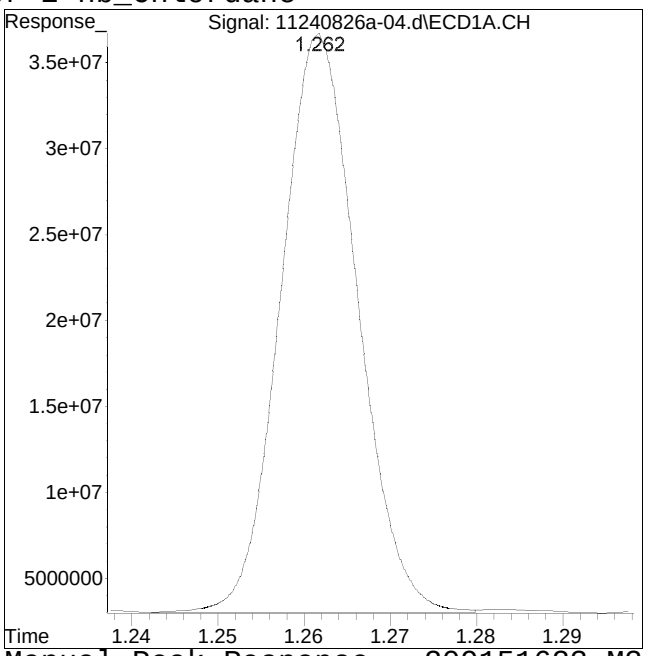
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826Q
Data File : 11240826a-04.d
Date Inj'd : 8/26/2024 6:13
Sample : wg1963716-2,42,,chlor11670

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/26/2024 6:37 am

Compound #28: 1-br-2-nb_Chlordane



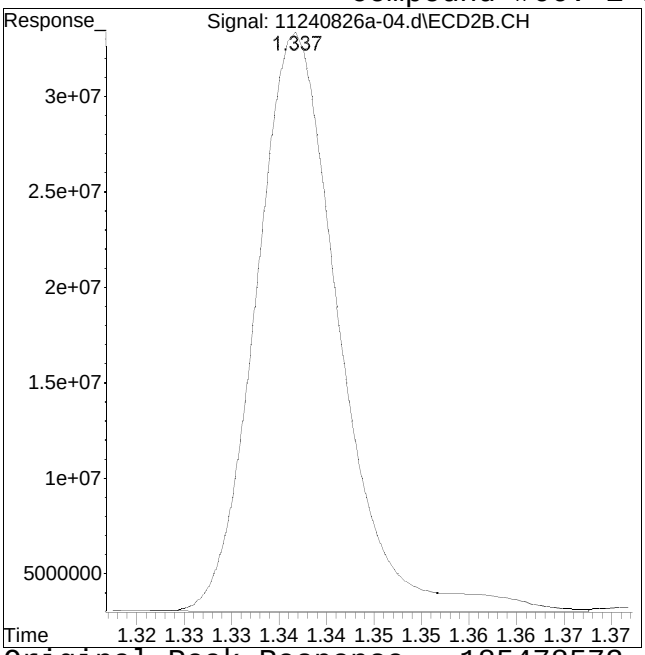


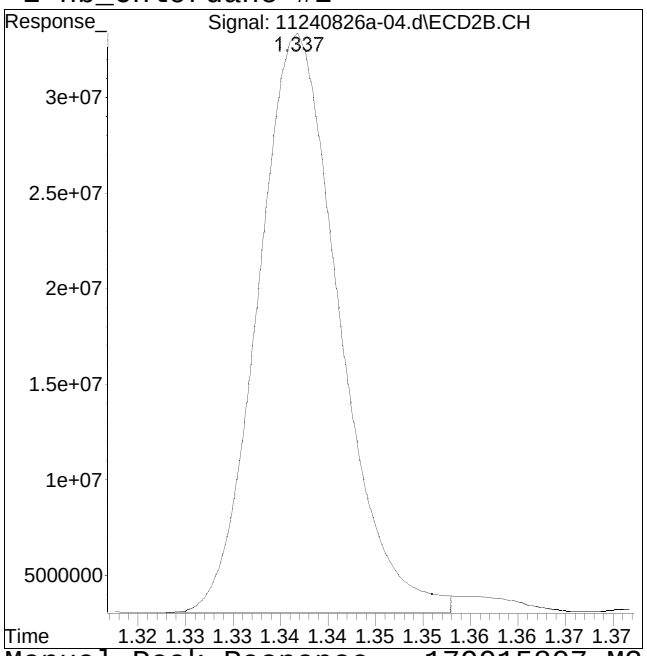
Original Peak Response = 214207081 Manual Peak Response = 209151623 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-04.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:13 Instrument : Pest 11
Sample : wg1963716-2,42,,chlor11670Quant Date : 8/26/2024 6:37 am

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 185478573 Manual Peak Response = 179915807 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 26 Aug 2024   6:25
Operator : PEST11:ejl
Sample   : wg1963716-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1963716,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:57 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	95	0.00
34	l2	toxaphene-2		*2000.000	2960.415	-48.0#	137	0.00
35	l2	toxaphene-3		*2000.000	2707.130	-35.4#	125	0.00
36	l2	toxaphene-4		*2000.000	2385.938	-19.3	112	0.00
37	l2	toxaphene-5		*2000.000	2708.131	-35.4#	125	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	99	0.00
34	l2	toxaphene-2		*2000.000	1885.996	5.7	93	0.00
35	l2	toxaphene-3		*2000.000	1923.024	3.8	95	0.00
36	l2	toxaphene-4		*2000.000	1779.547	11.0	88	0.00
37	l2	toxaphene-5		*2000.000	1906.805	4.7	94	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.26#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	0.000	100.0#	0#	-1.60#
3	t	Hexachlorobenzene		1.406	0.000	100.0#	0#	-1.81#
4	t	alpha-BHC		1.461	0.000	100.0#	0#	-1.90#
5	t	gamma-BHC (lindane)		1.395	0.000	100.0#	0#	-2.10#
6	t	beta-BHC		0.628	0.000	100.0#	0#	-2.16#
7	t	delta-BHC		1.374	0.000	100.0#	0#	-2.28#
8	t	Heptachlor		1.321	0.000	100.0#	0#	-2.44#
9	t	Aldrin		1.233	0.000	100.0#	0#	-2.68#
10	t	Alachlor		0.230	0.000	100.0#	0#	-2.80#
11	t	Chlorpyrifos		0.590	0.000	100.0#	0#	-2.89#
12	t	Heptachlor Epoxide		1.185	0.000	100.0#	0#	-3.22#
13	t	gamma-Chlordane (trans)		1.077	0.000	100.0#	0#	-3.34#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 26 Aug 2024   6:25
Operator : PEST11:ejl
Sample   : wg1963716-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1963716,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:57 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.216	0.000	100.0#	0#	-3.47#
15	t	4,4'-DDE		1.192	0.000	100.0#	0#	-3.57#
16	t	Endosulfan I		1.116	0.000	100.0#	0#	-3.60#
17	t	Dieldrin		1.135	0.000	100.0#	0#	-3.86#
18	t	Endrin		1.153	0.000	100.0#	0#	-4.11#
19	t	4,4'-DDD		0.927	0.000	100.0#	0#	-4.23#
20	t	Endosulfan II		1.052	0.000	100.0#	0#	-4.36#
21	t	4,4'-DDT		1.058	0.000	100.0#	0#	-4.53#
22	t	Endrin Aldehyde		0.886	0.000	100.0#	0#	-4.79#
23	t	Methoxychlor		0.592	0.000	100.0#	0#	-5.03#
24	t	Mirex		0.938	0.000	100.0#	0#	-5.08#
25	t	Endosulfan Sulfate		1.010	0.000	100.0#	0#	-5.19#
26	t	Endrin Ketone		1.183	0.000	100.0#	0#	-5.41#
27	s	Decachlorobiphenyl		1.163	0.000	100.0#	0#	-6.22#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.26#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.38#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.79#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.34#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.46#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.34#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-1.80#
3	t	Hexachlorobenzene		1.239	0.000	100.0#	0#	-2.11#
4	t	alpha-BHC		1.620	0.000	100.0#	0#	-2.20#
5	t	gamma-BHC (lindane)		1.539	0.000	100.0#	0#	-2.48#
6	t	beta-BHC		* 50.000	0.000	100.0#	0	-2.55#
7	t	delta-BHC		1.523	0.000	100.0#	0#	-2.81#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 26 Aug 2024   6:25
Operator : PEST11:ejl
Sample   : wg1963716-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1963716,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:57 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.598	0.000	100.0#	0#	-2.87#
9	t	Aldrin		1.435	0.000	100.0#	0#	-3.18#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.07#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.42#
12	t	Heptachlor Epoxide		1.425	0.000	100.0#	0#	-3.79#
13	t	gamma-Chlordane (trans)		1.312	0.000	100.0#	0#	-4.01#
14	t	alpha-Chlordane (cis)		1.446	0.000	100.0#	0#	-4.18#
15	t	4,4'-DDE		1.343	0.000	100.0#	0#	-4.38#
16	t	Endosulfan I		1.332	0.000	100.0#	0#	-4.24#
17	t	Dieldrin		1.327	0.000	100.0#	0#	-4.54#
18	t	Endrin		1.347	0.000	100.0#	0#	-4.84#
19	t	4,4'-DDD		1.084	0.000	100.0#	0#	-4.97#
20	t	Endosulfan II		1.214	0.000	100.0#	0#	-5.05#
21	t	4,4'-DDT		1.250	0.000	100.0#	0#	-5.25#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.35#
23	t	Methoxychlor		0.704	0.000	100.0#	0#	-5.83#
24	t	Mirex	*	50.000	0.000	100.0#	0	-5.95#
25	t	Endosulfan Sulfate		1.199	0.000	100.0#	0#	-5.58#
26	t	Endrin Ketone		1.261	0.000	100.0#	0#	-5.99#
27	s	Decachlorobiphenyl		1.060	0.000	100.0#	0#	-6.85#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.34#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-2.74#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.33#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.01#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.18#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 6:25
Operator : PEST11:ejl
Sample : wg1963716-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:57 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.262	1.337	207.7E6	173.4E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 6:25
Operator : PEST11:ejl
Sample : wg1963716-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:57 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.353	5.006	1370.0E6	308.2E6	2960.415	1885.996
35) l2	toxaphene-3	4.480	5.035	978.7E6	464.9E6	2707.130M3	1923.024
36) l2	toxaphene-4	4.713	5.358	868.2E6	516.4E6	2385.938	1779.547
37) l2	toxaphene-5	5.092	5.767	893.1E6	509.7E6	2708.131	1906.805
Sum	toxaphene-2			4110.0E6	1799.2E6	10761.615	7495.373
Average	toxaphene-2					2690.404	1873.843

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			4110.0E6	1799.2E6	10761.615	7495.373
Average	toxaphene-2					2690.404	1873.843

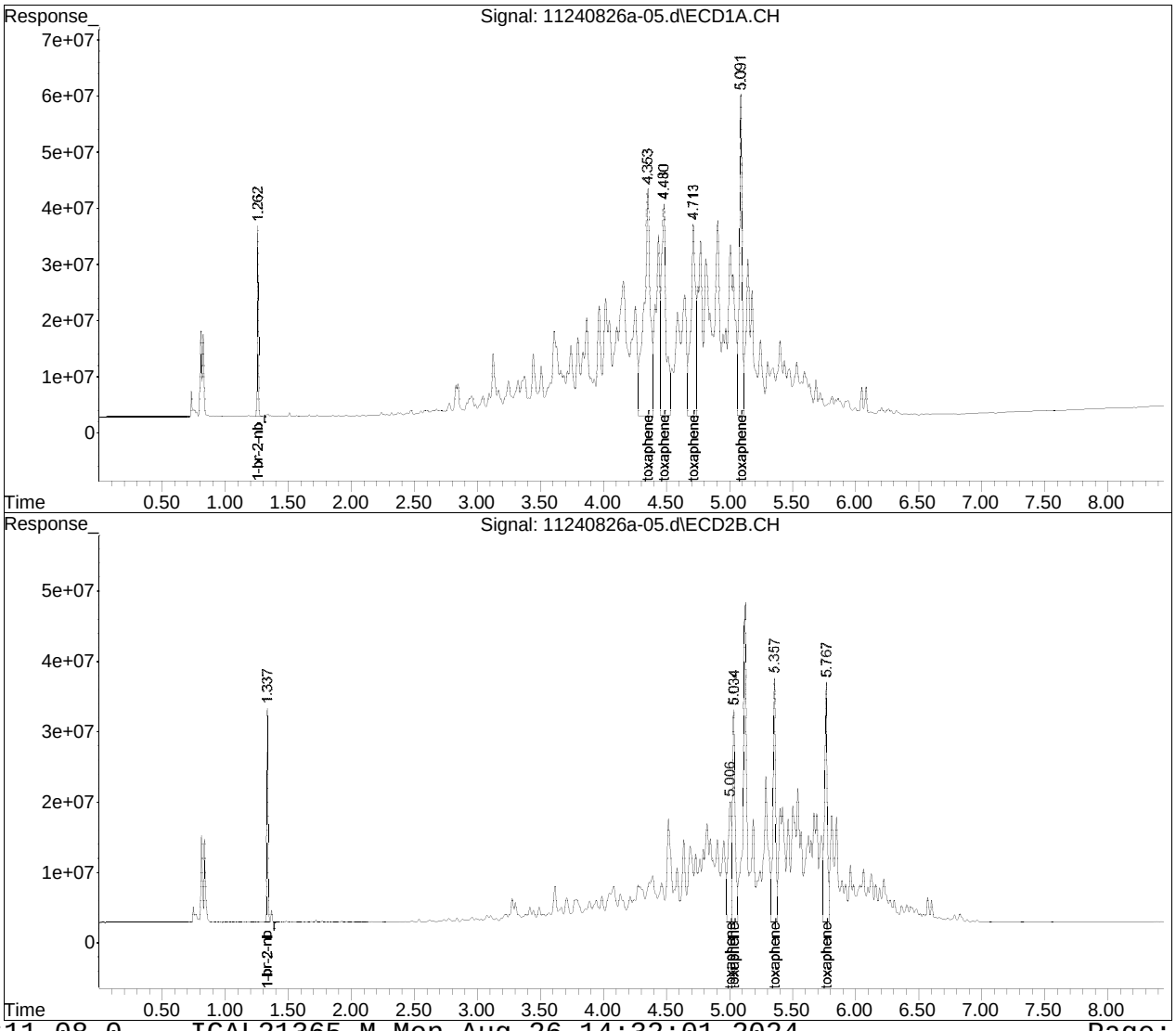
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 6:25
Operator : PEST11:ejl
Sample : wg1963716-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:37:57 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

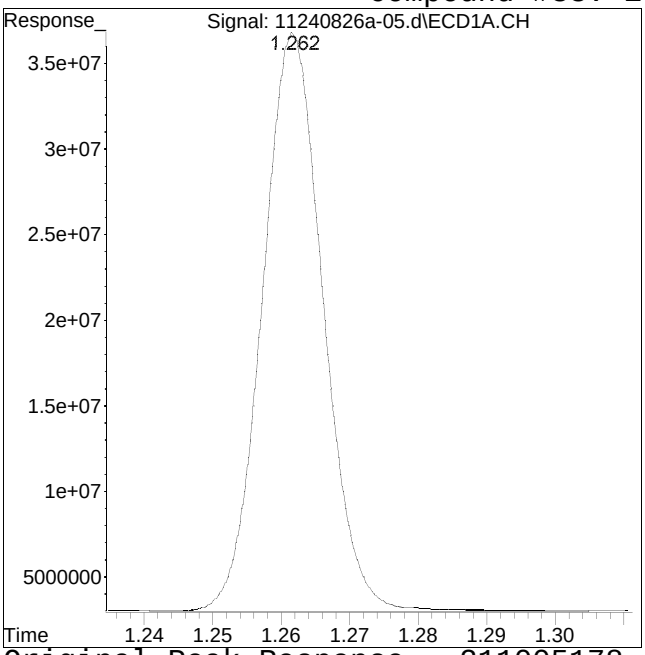
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



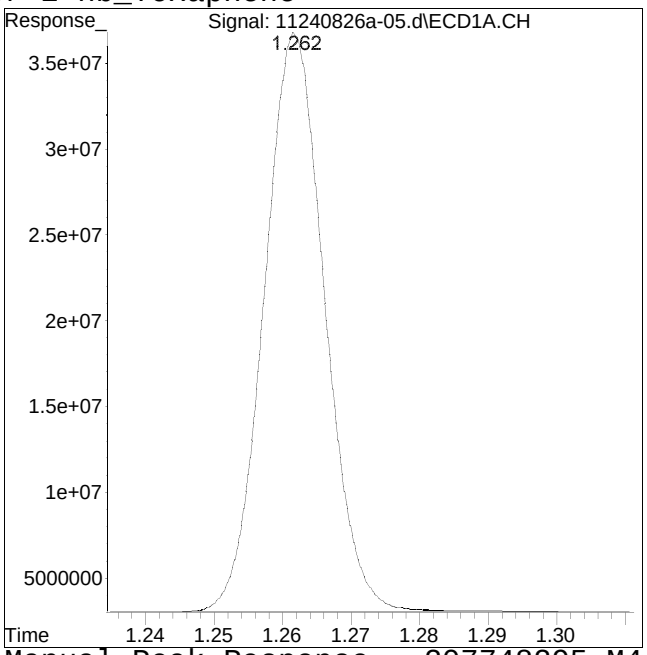
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-05.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:25 Instrument : Pest 11
Sample : wg1963716-3,42,,tox11668 Quant Date : 8/26/2024 6:37 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 211005178



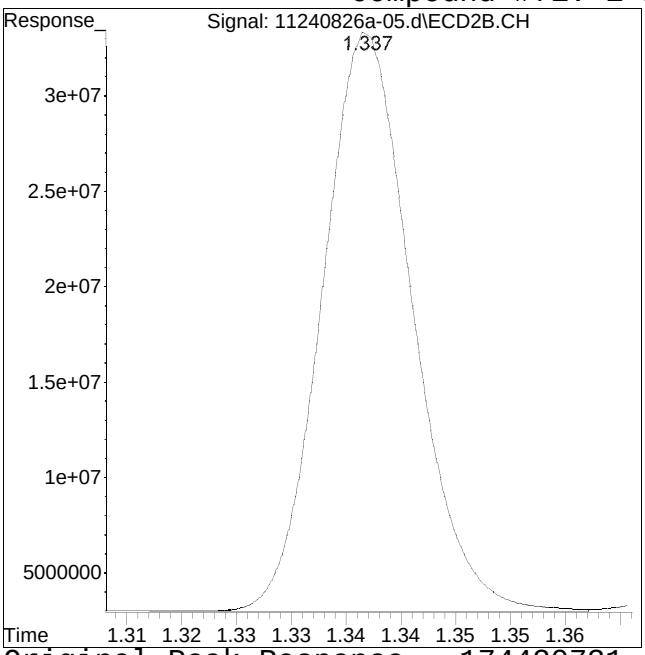
Manual Peak Response = 207748295 M4

M4 = Poor automated baseline construction.

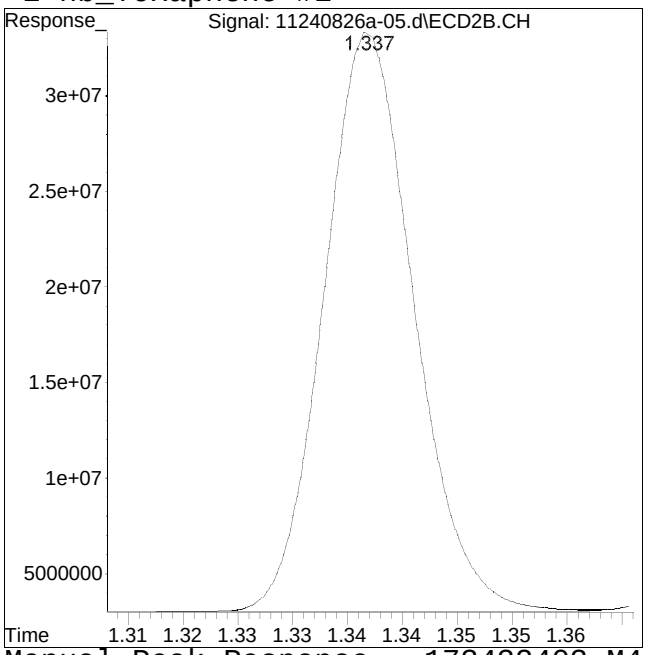
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-05.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:25 Instrument : Pest 11
Sample : wg1963716-3,42,,tox11668 Quant Date : 8/26/2024 6:37 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 174420731

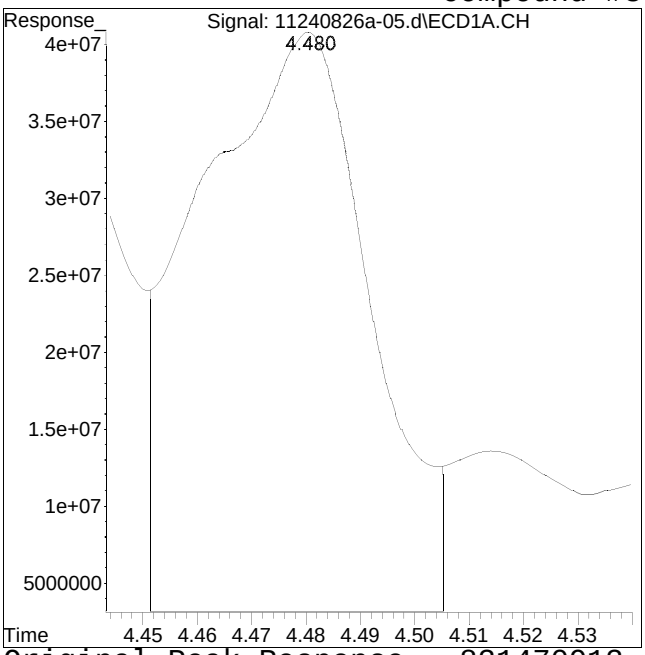


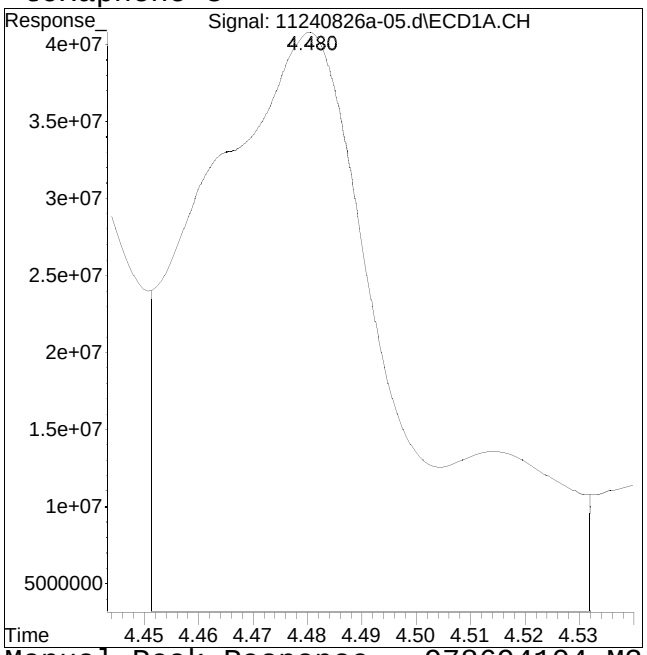
Manual Peak Response = 173432403 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-05.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 6:25 Instrument : Pest 11
Sample : wg1963716-3,42,,tox11668 Quant Date : 8/26/2024 6:37 am

Compound #35: toxaphene-3





Original Peak Response = 831470913 Manual Peak Response = 978694104 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024   7:05
Operator : PEST18:ejl
Sample   : wg1963730-2,42,, chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1963730,,ical21398
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:32:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	109	0.00
29	l1	chlordane-1		0.078	0.055	29.5#	95	0.00
30	l1	chlordane-3		0.050	0.044	12.0	121	0.00
31	l1	chlordane-4		0.176	0.157	10.8	123	0.00
32	l1	chlordane-5		0.270	0.263	2.6	134	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	102	0.00
29	l1	chlordane-1		0.041	0.036	12.2	109	0.00
30	l1	chlordane-3		0.046	0.041	10.9	120	0.00
31	l1	chlordane-4		0.164	0.153	6.7	116	0.00
32	l1	chlordane-5		0.131	0.117	10.7	113	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.67#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.220	0.000	100.0#	0#	-2.10#
3		Hexachlorobenzene		1.431	0.000	100.0#	0#	-2.34#
4		alpha-BHC		1.531	0.000	100.0#	0#	-2.45#
5		gamma-BHC (lindane)		1.404	0.000	100.0#	0#	-2.66#
6		beta-BHC		0.638	0.000	100.0#	0#	-2.73#
7		delta-BHC		1.404	0.000	100.0#	0#	-2.86#
8		Heptachlor		1.315	0.000	100.0#	0#	-3.03#
9		Aldrin		1.284	0.000	100.0#	0#	-3.27#
10		Alachlor		0.194	0.000	100.0#	0#	-3.41#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.50#
12		Heptachlor Epoxide		1.161	0.000	100.0#	0#	-3.83#
13		gamma-Chlordane (trans)		1.140	0.000	100.0#	0#	-3.95#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024   7:05
Operator : PEST18:ejl
Sample   : wg1963730-2,42,, chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1963730,,ical21398
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:32:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.273	0.000	100.0#	0#	-4.09#
15		4,4'-DDE		1.268	0.000	100.0#	0#	-4.19#
16		Endosulfan I		1.138	0.000	100.0#	0#	-4.22#
17		Dieldrin		1.209	0.000	100.0#	0#	-4.48#
18		Endrin		1.209	0.000	100.0#	0#	-4.74#
19		4,4'-DDD		0.982	0.000	100.0#	0#	-4.87#
20		Endosulfan II		1.096	0.000	100.0#	0#	-4.99#
21		4,4'-DDT		1.107	0.000	100.0#	0#	-5.17#
22		Endrin Aldehyde		0.923	0.000	100.0#	0#	-5.43#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-5.69#
24		Mirex	*	50.000	0.000	100.0#	0	-5.73#
25		Endosulfan Sulfate		1.087	0.000	100.0#	0#	-5.84#
26		Endrin Ketone		1.216	0.000	100.0#	0#	-6.07#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-6.89#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.67#
34	l2	toxaphene-1		0.050	0.000	100.0#	0#	-4.99#
35	l2	toxaphene-2		0.054	0.000	100.0#	0#	-5.12#
36	l2	toxaphene-3		0.055	0.000	100.0#	0#	-5.36#
37	l2	toxaphene-4		0.055	0.000	100.0#	0#	-5.74#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.77#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.179	0.000	100.0#	0#	-2.32#
3		Hexachlorobenzene		1.260	0.000	100.0#	0#	-2.66#
4		alpha-BHC		1.569	0.000	100.0#	0#	-2.76#
5		gamma-BHC (lindane)		1.462	0.000	100.0#	0#	-3.06#
6		beta-BHC		0.679	0.000	100.0#	0#	-3.13#
7		delta-BHC		1.445	0.000	100.0#	0#	-3.40#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024   7:05
Operator : PEST18:ejl
Sample   : wg1963730-2,42,, chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1963730,,ical21398
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:32:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.318	0.000	100.0#	0#	-3.45#
9		Aldrin		1.307	0.000	100.0#	0#	-3.77#
10		Alachlor		0.196	0.000	100.0#	0#	-3.67#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.02#
12		Heptachlor Epoxide		1.247	0.000	100.0#	0#	-4.39#
13		gamma-Chlordane (trans)		1.137	0.000	100.0#	0#	-4.61#
14		alpha-Chlordane (cis)		1.268	0.000	100.0#	0#	-4.78#
15		4,4'-DDE		1.245	0.000	100.0#	0#	-5.00#
16		Endosulfan I		1.167	0.000	100.0#	0#	-4.85#
17		Dieldrin		1.196	0.000	100.0#	0#	-5.16#
18		Endrin		1.197	0.000	100.0#	0#	-5.47#
19		4,4'-DDD		0.976	0.000	100.0#	0#	-5.60#
20		Endosulfan II		1.072	0.000	100.0#	0#	-5.68#
21		4,4'-DDT		1.070	0.000	100.0#	0#	-5.89#
22		Endrin Aldehyde		0.903	0.000	100.0#	0#	-5.98#
23		Methoxychlor		0.581	0.000	100.0#	0#	-6.47#
24		Mirex		0.903	0.000	100.0#	0#	-6.60#
25		Endosulfan Sulfate		1.032	0.000	100.0#	0#	-6.22#
26		Endrin Ketone		1.116	0.000	100.0#	0#	-6.64#
27	s	Decachlorobiphenyl		0.953	0.000	100.0#	0#	-7.52#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.77#
34	l2	toxaphene-1		0.025	0.000	100.0#	0#	-5.64#
35	l2	toxaphene-2		0.038	0.000	100.0#	0#	-5.67#
36	l2	toxaphene-3		0.045	0.000	100.0#	0#	-6.00#
37	l2	toxaphene-4		0.040	0.000	100.0#	0#	-6.41#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 7:05
Operator : PEST18:ejl
Sample : wg1963730-2,42,, chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:32:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.666	1.767	640.0E6	373.9E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 7:05
Operator : PEST18:ejl
Sample : wg1963730-2,42,, chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:32:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
23)		Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29)	l1	chlordane-1	3.024	3.317	1418.8E6	544.4E6	712.916	880.963	
30)	l1	chlordane-3	3.390	3.928	1129.2E6	615.3E6	884.037	899.418	
31)	l1	chlordane-4	3.952	4.608	4031.5E6	2295.5E6	892.698	933.401	
32)	l1	chlordane-5	4.079	4.782	6725.8E6	1752.2E6	972.386	896.839	
	Sum	chlordane-1			13305.3E6	5207.3E6	N.D.	N.D.	D
Average		chlordane-1					865.510	902.655	
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

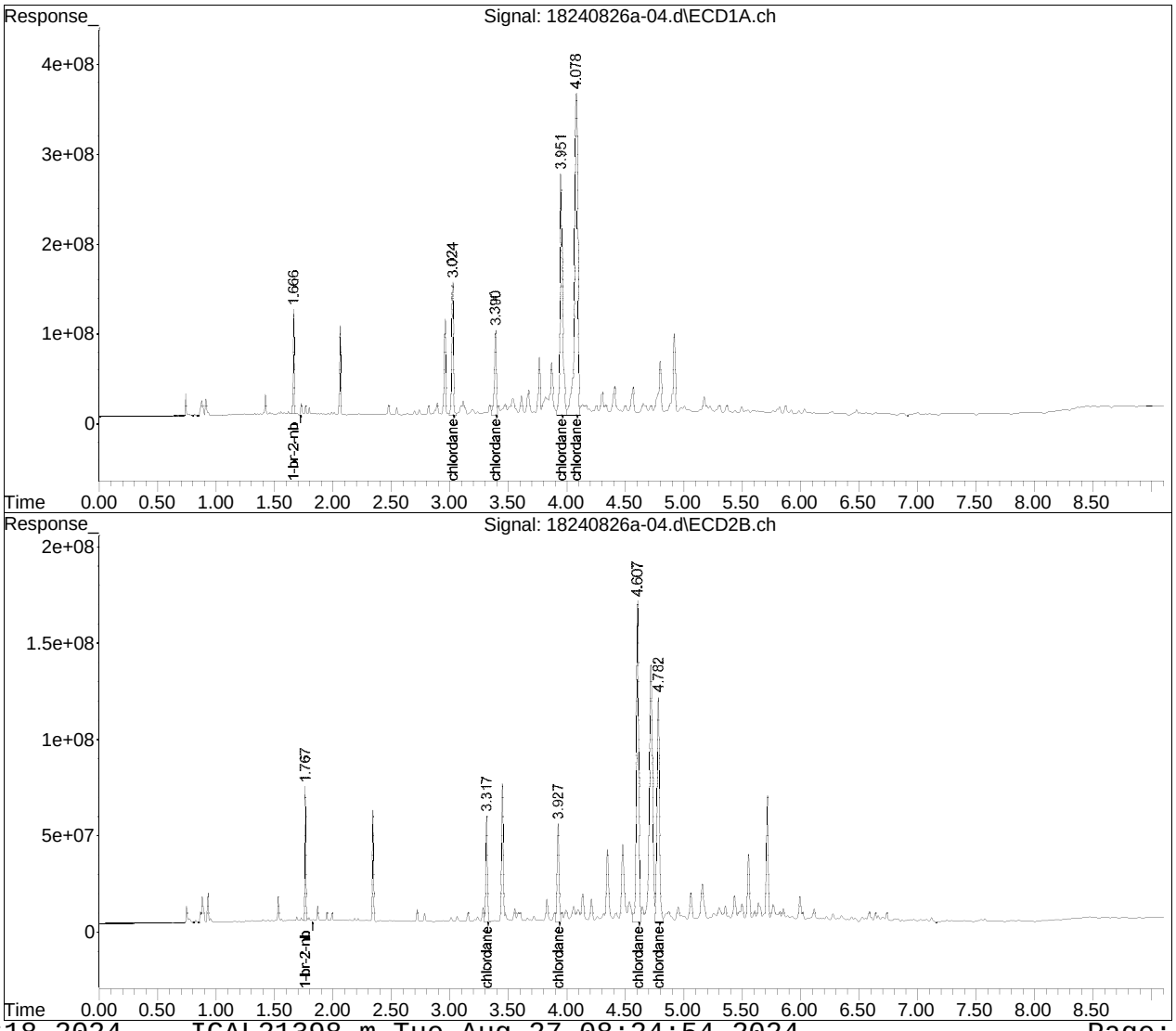
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 7:05
Operator : PEST18:ejl
Sample : wg1963730-2,42,, chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:32:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

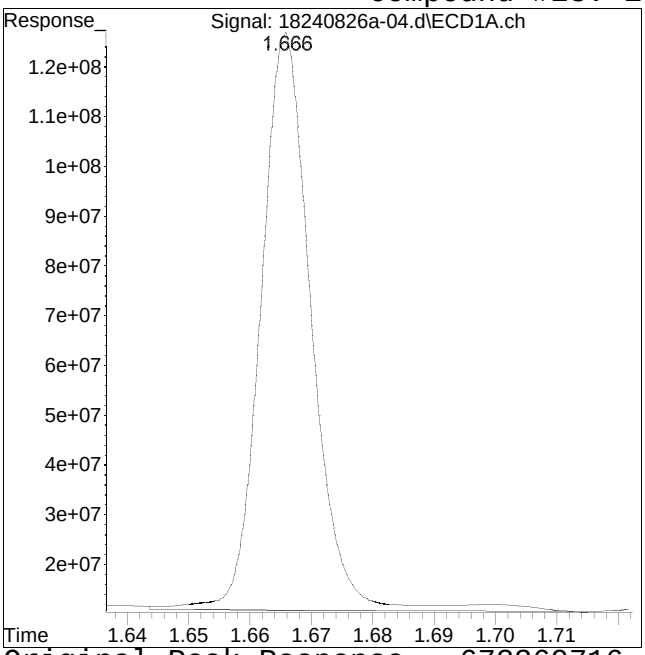
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

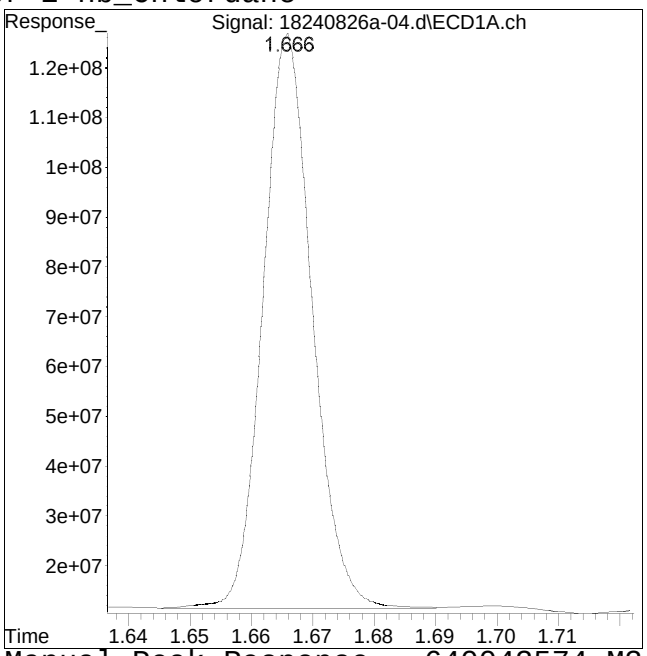


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-04.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 7:05 Instrument : Pest 18
Sample : wg1963730-2,42,, chlor1167Quant Date : 8/26/2024 7:32 am

Compound #28: 1-br-2-nb_Chlordane



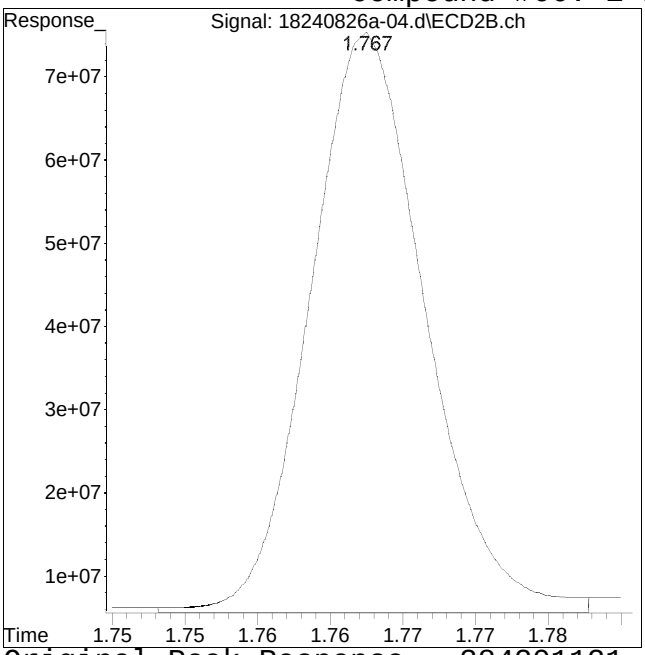


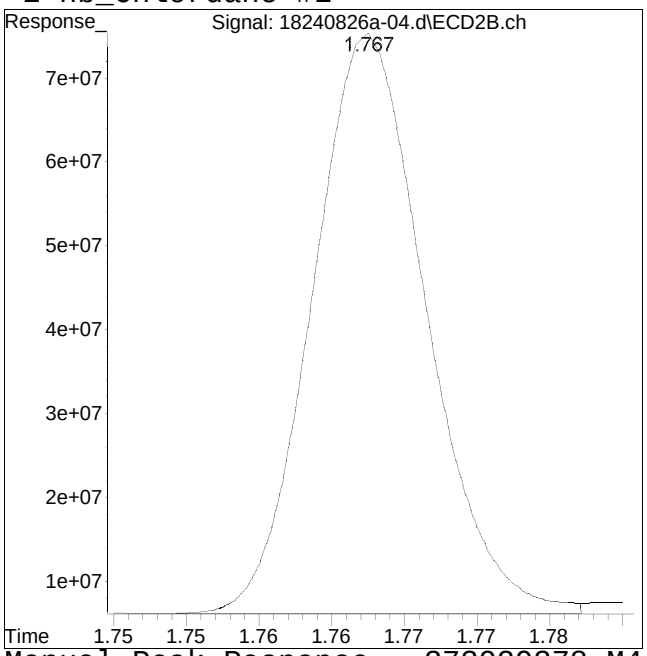
Original Peak Response = 673369716 Manual Peak Response = 640043574 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-04.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 7:05 Instrument : Pest 18
Sample : wg1963730-2,42,, chlor1167Quant Date : 8/26/2024 7:32 am

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 384201121 Manual Peak Response = 373929378 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024   7:17
Operator : PEST18:ejl
Sample   : wg1963730-3,42,, tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1963730,,ical21398
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:33:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	117	0.00
34	l2	toxaphene-1		0.050	0.045	10.0	106	0.00
35	l2	toxaphene-2		0.054	0.052	3.7	108	0.00
36	l2	toxaphene-3		0.055	0.044	20.0	97	0.00
37	l2	toxaphene-4		0.055	0.043	21.8#	103	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	109	0.00
34	l2	toxaphene-1		0.025	0.026	-4.0	106	0.00
35	l2	toxaphene-2		0.038	0.038	0.0	111	0.00
36	l2	toxaphene-3		0.045	0.044	2.2	104	0.00
37	l2	toxaphene-4		0.040	0.043	-7.5	114	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.67#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.220	0.000	100.0#	0#	-2.10#
3		Hexachlorobenzene		1.431	0.000	100.0#	0#	-2.34#
4		alpha-BHC		1.531	0.000	100.0#	0#	-2.45#
5		gamma-BHC (lindane)		1.404	0.000	100.0#	0#	-2.66#
6		beta-BHC		0.638	0.000	100.0#	0#	-2.73#
7		delta-BHC		1.404	0.000	100.0#	0#	-2.86#
8		Heptachlor		1.315	0.000	100.0#	0#	-3.03#
9		Aldrin		1.284	0.000	100.0#	0#	-3.27#
10		Alachlor		0.194	0.000	100.0#	0#	-3.41#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.50#
12		Heptachlor Epoxide		1.161	0.000	100.0#	0#	-3.83#
13		gamma-Chlordane (trans)		1.140	0.000	100.0#	0#	-3.95#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024   7:17
Operator : PEST18:ejl
Sample   : wg1963730-3,42,, tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1963730,,ical21398
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:33:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)		1.273	0.000	100.0#	0#	-4.09#
15		4,4'-DDE		1.268	0.000	100.0#	0#	-4.19#
16		Endosulfan I		1.138	0.000	100.0#	0#	-4.22#
17		Dieldrin		1.209	0.000	100.0#	0#	-4.48#
18		Endrin		1.209	0.000	100.0#	0#	-4.74#
19		4,4'-DDD		0.982	0.000	100.0#	0#	-4.87#
20		Endosulfan II		1.096	0.000	100.0#	0#	-4.99#
21		4,4'-DDT		1.107	0.000	100.0#	0#	-5.17#
22		Endrin Aldehyde		0.923	0.000	100.0#	0#	-5.43#
23		Methoxychlor	*	50.000	0.000	100.0#	0	-5.69#
24		Mirex	*	50.000	0.000	100.0#	0	-5.73#
25		Endosulfan Sulfate		1.087	0.000	100.0#	0#	-5.84#
26		Endrin Ketone		1.216	0.000	100.0#	0#	-6.07#
27	s	Decachlorobiphenyl	*	50.000	0.000	100.0#	0	-6.89#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.67#
29	l1	chlordane-1		0.078	0.000	100.0#	0#	-3.03#
30	l1	chlordane-3		0.050	0.000	100.0#	0#	-3.39#
31	l1	chlordane-4		0.176	0.000	100.0#	0#	-3.96#
32	l1	chlordane-5		0.270	0.000	100.0#	0#	-4.08#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.77#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.179	0.000	100.0#	0#	-2.32#
3		Hexachlorobenzene		1.260	0.000	100.0#	0#	-2.66#
4		alpha-BHC		1.569	0.000	100.0#	0#	-2.76#
5		gamma-BHC (lindane)		1.462	0.000	100.0#	0#	-3.06#
6		beta-BHC		0.679	0.000	100.0#	0#	-3.13#
7		delta-BHC		1.445	0.000	100.0#	0#	-3.40#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024   7:17
Operator : PEST18:ejl
Sample   : wg1963730-3,42,, tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1963730,,ical21398
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:33:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8		Heptachlor		1.318	0.000	100.0#	0#	-3.45#
9		Aldrin		1.307	0.000	100.0#	0#	-3.77#
10		Alachlor		0.196	0.000	100.0#	0#	-3.67#
11		Chlorpyrifos	*	50.000	0.000	100.0#	0	-4.02#
12		Heptachlor Epoxide		1.247	0.000	100.0#	0#	-4.39#
13		gamma-Chlordane (trans)		1.137	0.000	100.0#	0#	-4.61#
14		alpha-Chlordane (cis)		1.268	0.000	100.0#	0#	-4.78#
15		4,4'-DDE		1.245	0.000	100.0#	0#	-5.00#
16		Endosulfan I		1.167	0.000	100.0#	0#	-4.85#
17		Dieldrin		1.196	0.000	100.0#	0#	-5.16#
18		Endrin		1.197	0.000	100.0#	0#	-5.47#
19		4,4'-DDD		0.976	0.000	100.0#	0#	-5.60#
20		Endosulfan II		1.072	0.000	100.0#	0#	-5.68#
21		4,4'-DDT		1.070	0.000	100.0#	0#	-5.89#
22		Endrin Aldehyde		0.903	0.000	100.0#	0#	-5.98#
23		Methoxychlor		0.581	0.000	100.0#	0#	-6.47#
24		Mirex		0.903	0.000	100.0#	0#	-6.60#
25		Endosulfan Sulfate		1.032	0.000	100.0#	0#	-6.22#
26		Endrin Ketone		1.116	0.000	100.0#	0#	-6.64#
27	s	Decachlorobiphenyl		0.953	0.000	100.0#	0#	-7.52#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.77#
29	l1	chlordane-1		0.041	0.000	100.0#	0#	-3.32#
30	l1	chlordane-3		0.046	0.000	100.0#	0#	-3.93#
31	l1	chlordane-4		0.164	0.000	100.0#	0#	-4.61#
32	l1	chlordane-5		0.131	0.000	100.0#	0#	-4.79#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 7:17
Operator : PEST18:ejl
Sample : wg1963730-3,42,, tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:33:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.666	1.767	661.9E6	385.6E6	25.000M3	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 7:17
Operator : PEST18:ejl
Sample : wg1963730-3,42,, tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:33:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.984	5.633	2401.0E6	791.9E6	1812.518M3	2045.314
35) l2	toxaphene-2	5.113	5.660	2745.0E6	1181.2E6	1904.657M3	2012.815
36) l2	toxaphene-3	5.355	5.991	2347.1E6	1350.9E6	1612.805	1941.052
37) l2	toxaphene-4	5.739	6.407	2290.8E6	1312.9E6	1577.677	2119.638
Sum	toxaphene-1			9784.0E6	4636.9E6	6907.657	8118.820
Average	toxaphene-1					1726.914	2029.705

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			9784.0E6	4636.9E6	6907.657	8118.820
Average	toxaphene-1					1726.914	2029.705

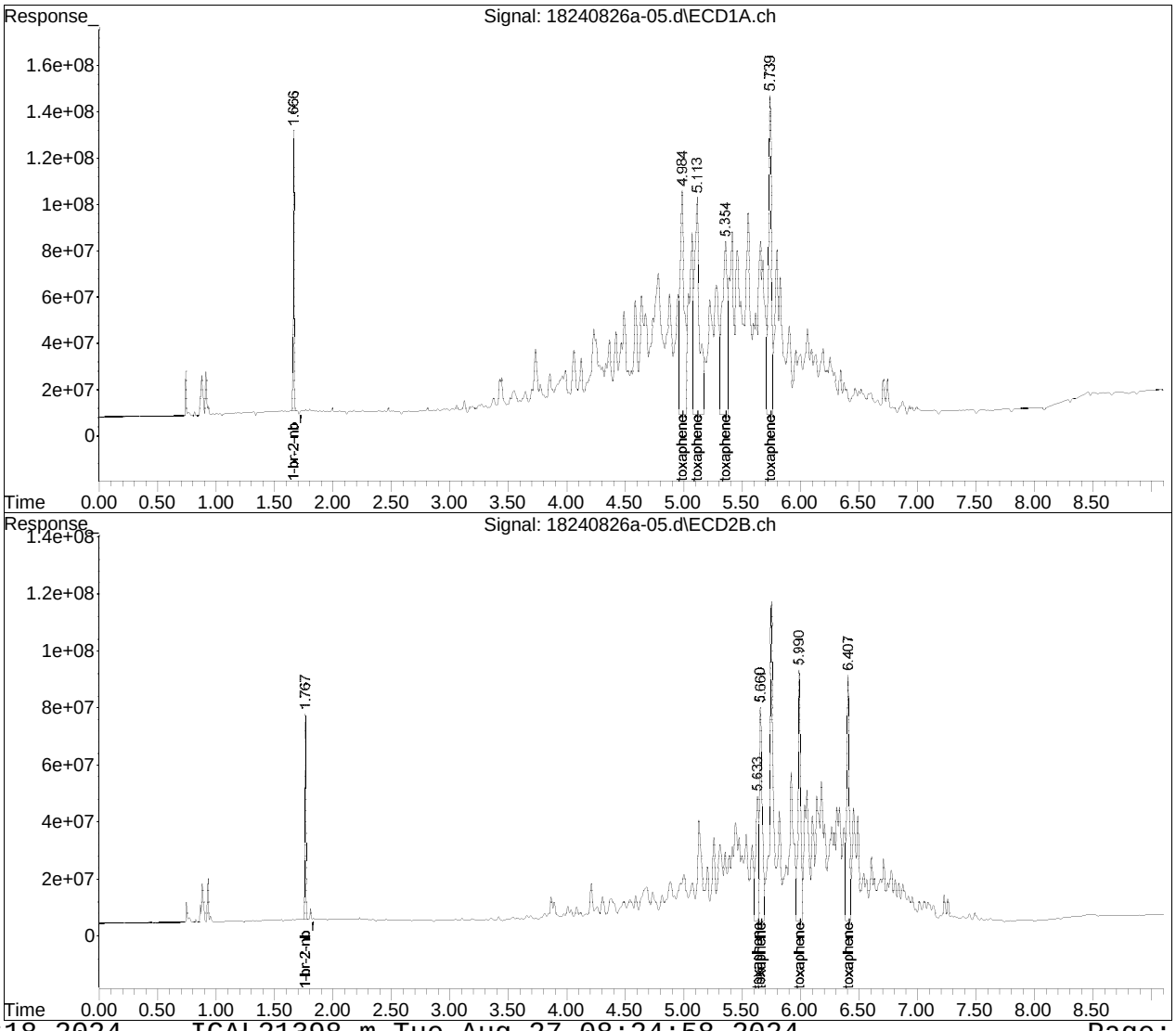
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 7:17
Operator : PEST18:ejl
Sample : wg1963730-3,42,, tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:33:48 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

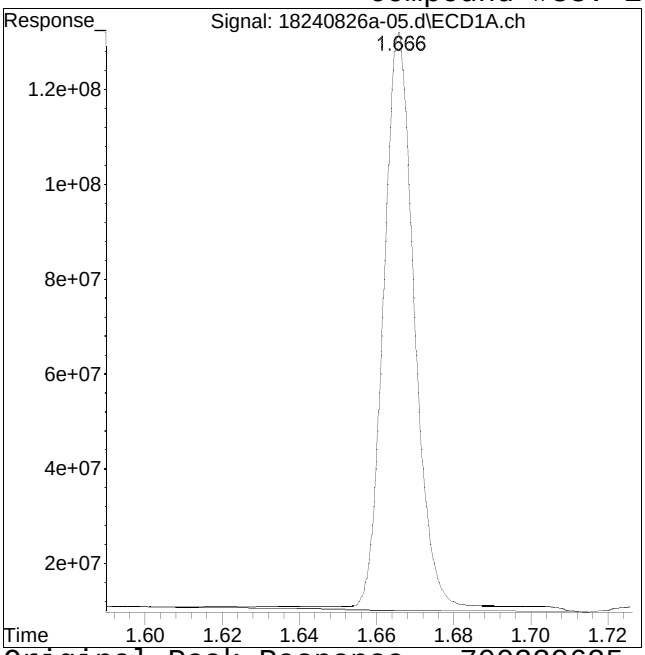
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

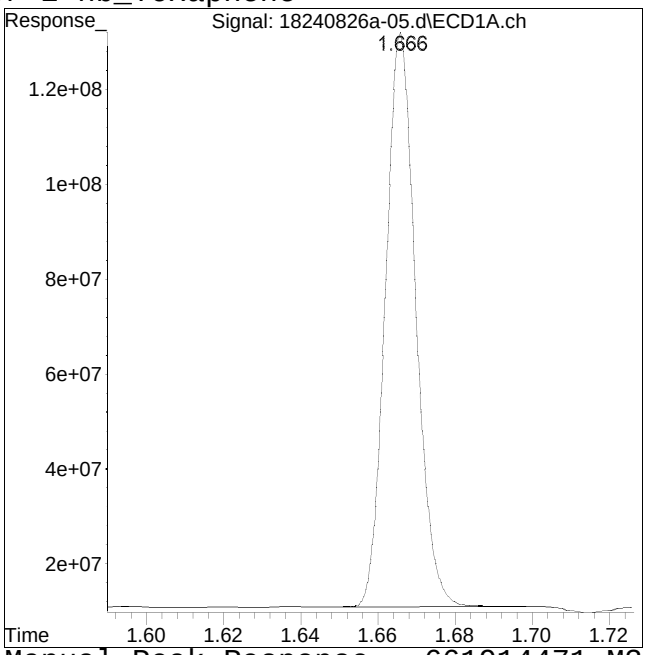


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-05.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 7:17 Instrument : Pest 18
Sample : wg1963730-3,42,, tox11668 Quant Date : 8/26/2024 7:33 am

Compound #33: 1-br-2-nb_Toxaphene



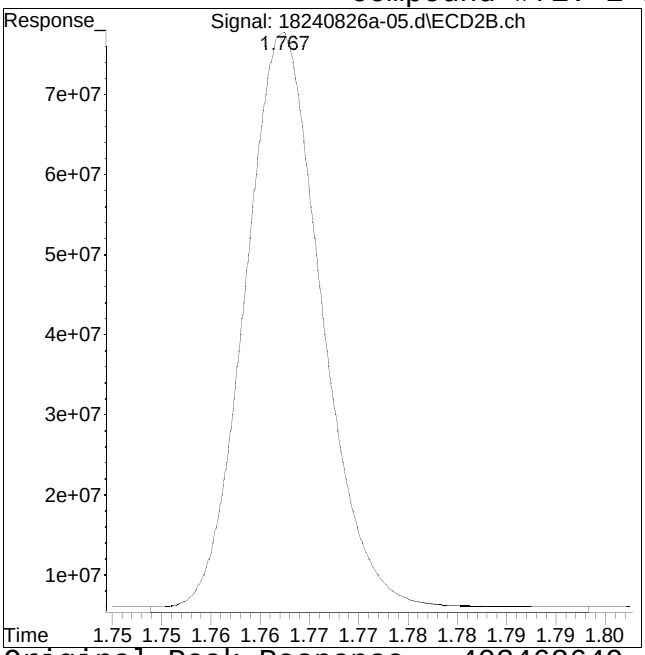


Original Peak Response = 700339625 Manual Peak Response = 661914471 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

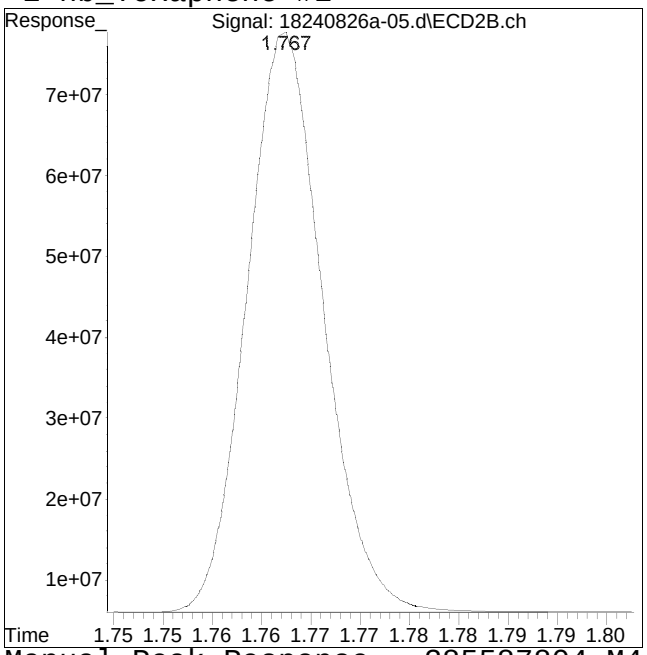
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-05.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 7:17 Instrument : Pest 18
Sample : wg1963730-3,42,, tox11668 Quant Date : 8/26/2024 7:33 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 403462649



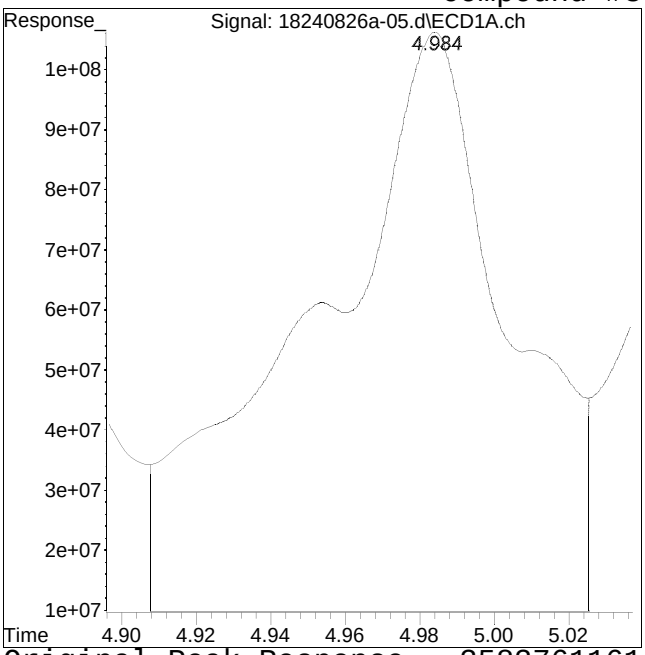
Manual Peak Response = 385587804 M4

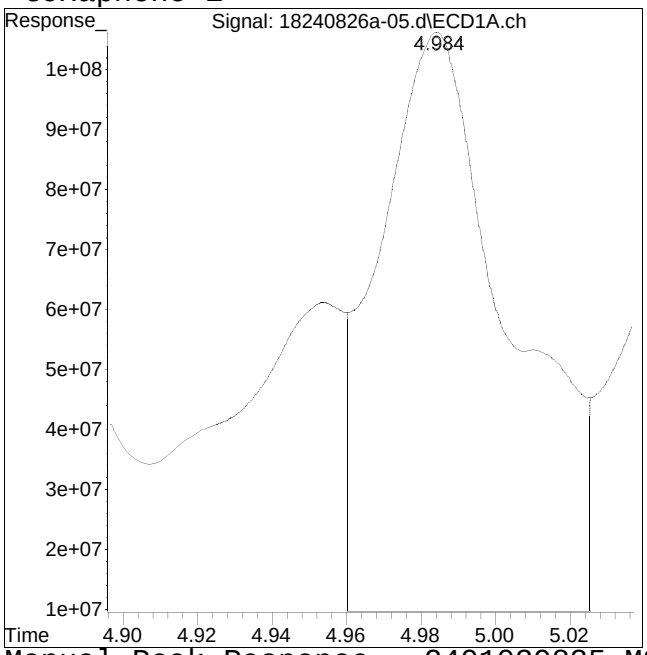
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-05.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 7:17 Instrument : Pest 18
Sample : wg1963730-3,42,, tox11668 Quant Date : 8/26/2024 7:33 am

Compound #34: toxaphene-1



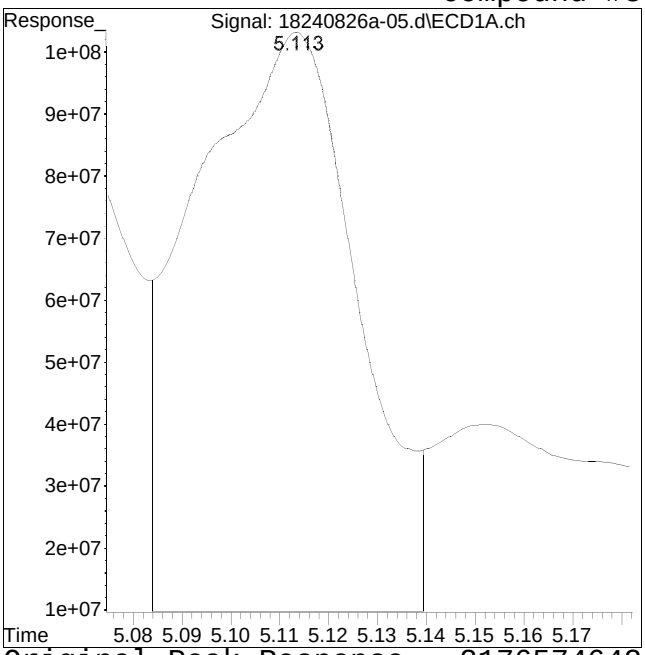


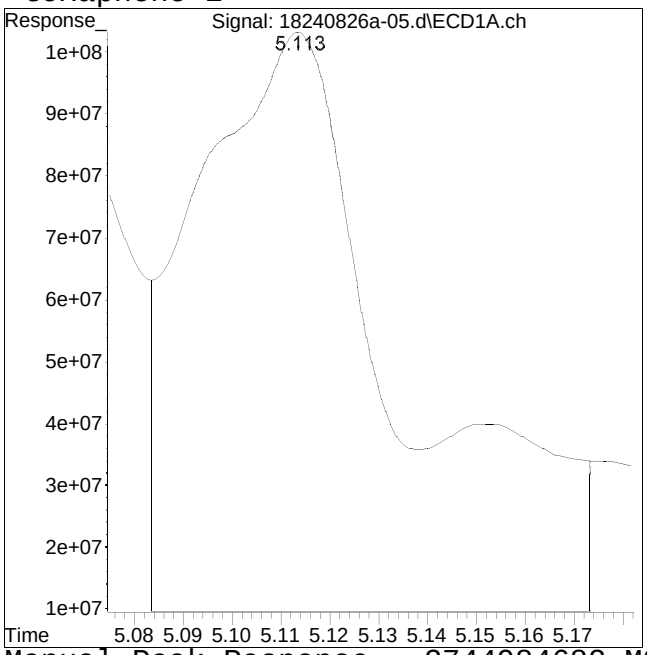
Original Peak Response = 3583761161 Manual Peak Response = 2401039835 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-05.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 7:17 Instrument : Pest 18
Sample : wg1963730-3,42,, tox11668 Quant Date : 8/26/2024 7:33 am

Compound #35: toxaphene-2





Original Peak Response = 2176574642 Manual Peak Response = 2744984682 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024 12:09
Operator : PEST18:ejl
Sample   : wg1963730-4,42,, pest11604 (Sig #1); pest11604 (Sig #2)
Misc   : wg1963730,,ical21398
ALS Vial : 29   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 22:37:29 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Mon Aug 26 22:36:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	132	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.220	1.042	14.6	113	0.00
3		Hexachlorobenzene		1.431	1.239	13.4	116	0.00
4		alpha-BHC		1.531	1.395	8.9	114	0.00
5		gamma-BHC (lindane)		1.404	1.236	12.0	113	0.00
6		beta-BHC		0.638	0.555	13.0	116	0.00
7		delta-BHC		1.404	1.228	12.5	111	0.00
8		Heptachlor		1.315	1.182	10.1	115	0.00
9		Aldrin		1.284	1.193	7.1	117	0.00
10		Alachlor		0.194	0.232	-19.6	159#	0.00
11		Chlorpyrifos	*	50.000	53.668	-7.3	117	0.00
12		Heptachlor Epoxide		1.161	1.032	11.1	114	0.00
13		gamma-Chlordane (trans)		1.140	1.121	1.7	129	0.00
14		alpha-Chlordane (cis)		1.273	1.102	13.4	112	0.00
15		4,4'-DDE		1.268	1.132	10.7	112	0.00
16		Endosulfan I		1.138	0.991	12.9	111	0.00
17		Dieldrin		1.209	1.140	5.7	120	0.00
18		Endrin		1.209	1.041	13.9	109	0.00
19		4,4'-DDD		0.982	0.894	9.0	115	0.00
20		Endosulfan II		1.096	0.949	13.4	111	0.00
21		4,4'-DDT		1.107	0.897	19.0	102	0.00
22		Endrin Aldehyde		0.923	0.700	24.2#	97	0.00
23		Methoxychlor	*	50.000	46.099	7.8	103	0.00
24		Mirex	*	50.000	45.574	8.9	110	0.00
25		Endosulfan Sulfate		1.087	0.936	13.9	110	0.00
26		Endrin Ketone		1.216	1.015	16.5	107	0.00
27	s	Decachlorobiphenyl	*	50.000	43.854	12.3	109	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024 12:09
Operator : PEST18:ejl
Sample   : wg1963730-4,42,, pest11604 (Sig #1); pest11604 (Sig #2)
Misc   : wg1963730,,ical21398
ALS Vial : 29   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 22:37:29 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Mon Aug 26 22:36:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	121	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.179	1.056	10.4	105	0.00
3		Hexachlorobenzene		1.260	1.097	12.9	107	0.00
4		alpha-BHC		1.569	1.487	5.2	106	0.00
5		gamma-BHC (lindane)		1.462	1.333	8.8	106	0.00
6		beta-BHC		0.679	0.599	11.8	108	0.00
7		delta-BHC		1.445	1.323	8.4	104	0.00
8		Heptachlor		1.318	1.274	3.3	112	0.00
9		Aldrin		1.307	1.268	3.0	109	0.00
10		Alachlor		0.196	0.199	-1.5	121	0.00
11		Chlorpyrifos	*	50.000	55.457	-10.9	112	0.00
12		Heptachlor Epoxide		1.247	1.142	8.4	107	0.00
13		gamma-Chlordane (trans)		1.137	1.225	-7.7	124	0.00
14		alpha-Chlordane (cis)		1.268	1.192	6.0	109	0.00
15		4,4'-DDE		1.245	1.204	3.3	107	0.00
16		Endosulfan I		1.167	1.111	4.8	109	0.00
17		Dieldrin		1.196	1.255	-4.9	118	0.00
18		Endrin		1.197	1.159	3.2	111	0.00
19		4,4'-DDD		0.976	1.021	-4.6	119	0.00
20		Endosulfan II		1.072	1.055	1.6	113	0.00
21		4,4'-DDT		1.070	1.048	2.1	111	0.00
22		Endrin Aldehyde		0.903	0.773	14.4	100	0.00
23		Methoxychlor		0.581	0.560	3.6	113	0.00
24		Mirex		0.903	0.841	6.9	116	0.00
25		Endosulfan Sulfate		1.032	1.010	2.1	114	0.00
26		Endrin Ketone		1.116	1.132	-1.4	117	0.00
27	s	Decachlorobiphenyl		0.953	0.878	7.9	113	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 26 Aug 2024 12:09
Operator : PEST18:ejl
Sample   : wg1963730-4,42,, pest11604 (Sig #1); pest11604 (Sig #2)
Misc   : wg1963730,,ical21398
ALS Vial : 29   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 22:37:29 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Mon Aug 26 22:36:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.67#
29	l1	chlordane-1		0.078	0.000	100.0#	0#	-3.03#
30	l1	chlordane-3		0.050	0.000	100.0#	0#	-3.39#
31	l1	chlordane-4		0.176	0.000	100.0#	0#	-3.96#
32	l1	chlordane-5		0.270	0.000	100.0#	0#	-4.08#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.67#
34	l2	toxaphene-1		0.050	0.000	100.0#	0#	-4.99#
35	l2	toxaphene-2		0.054	0.000	100.0#	0#	-5.12#
36	l2	toxaphene-3		0.055	0.000	100.0#	0#	-5.36#
37	l2	toxaphene-4		0.055	0.000	100.0#	0#	-5.74#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.77#
29	l1	chlordane-1		0.041	0.000	100.0#	0#	-3.32#
30	l1	chlordane-3		0.046	0.000	100.0#	0#	-3.93#
31	l1	chlordane-4		0.164	0.000	100.0#	0#	-4.61#
32	l1	chlordane-5		0.131	0.000	100.0#	0#	-4.79#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.77#
34	l2	toxaphene-1		0.025	0.000	100.0#	0#	-5.64#
35	l2	toxaphene-2		0.038	0.000	100.0#	0#	-5.67#
36	l2	toxaphene-3		0.045	0.000	100.0#	0#	-6.00#
37	l2	toxaphene-4		0.040	0.000	100.0#	0#	-6.41#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 12:09
Operator : PEST18:ejl
Sample : wg1963730-4,42,, pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 22:37:29 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Mon Aug 26 22:36:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.666	1.768	698.8E6	386.0E6	25.000M3	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.097	2.320	1456.9E6	814.8E6	42.735M3	44.760
	Spiked Amount 50.000	Range 30 - 150		Recovery =		85.47%	89.52%
27) s	Decachlorobi	6.893	7.525	1453.3E6	677.5E6	43.854M3	46.054M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		87.71%	92.11%
	Target Compounds						
3)	Hexachlorobe	2.335	2.660	1732.3E6	847.1E6	43.309M4	43.535
4)	alpha-BHC	2.446	2.763	1950.1E6	1147.6E6	45.578M3	47.367
5)	gamma-BHC (l	2.663	3.056	1727.1E6	1029.0E6	44.009M3	45.579
6)	beta-BHC	2.726	3.129	775.2E6	462.4E6	43.451M4	44.080
7)	delta-BHC	2.858	3.396	1716.3E6	1021.5E6	43.739	45.804
8)	Heptachlor	3.025	3.453	1652.7E6	983.8E6	44.973M3	48.349
9)	Aldrin	3.272	3.771	1667.5E6	979.0E6	46.470M3	48.519
10)	Alachlor	3.410	3.668	323.9E6	153.3E6	59.831M4	50.620
11)	Chlorpyrifos	3.504	4.022	735.1E6	454.9E6	53.668M4	55.457
12)	Heptachlor E	3.827	4.387	1442.3E6	881.6E6	44.454M3	45.786

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 12:09
Operator : PEST18:ejl
Sample : wg1963730-4,42,, pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 22:37:29 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Mon Aug 26 22:36:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	gamma-Chlord	3.953	4.609	1567.1E6	945.5E6	49.172M3	53.881
14)	alpha-Chlord	4.089	4.783	1540.0E6	920.5E6	43.291	47.005
15)	4,4'-DDE	4.194	5.000	1581.5E6	929.8E6	44.622	48.361
16)	Endosulfan I	4.222	4.845	1384.6E6	857.9E6	43.530M3	47.628
17)	Dieldrin	4.483	5.156	1593.7E6	968.8E6	47.165M4	52.488
18)	Endrin	4.739	5.466	1455.5E6	894.9E6	43.058	48.406
19)	4,4'-DDD	4.866	5.604	1249.2E6	787.9E6	45.508	52.267M4
20)	Endosulfan I	4.994	5.675	1326.5E6	814.5E6	43.288	49.216M4
21)	4,4'-DDT	5.174	5.889	1253.1E6	809.3E6	40.498M3	48.972M4
22)	Endrin Aldeh	5.431	5.983	978.7E6	596.9E6	37.930	42.794M4
23)	Methoxychlor	5.687	6.473	682.9E6	431.9E6	46.099	48.162
24)	Mirex	5.731	6.597	1085.3E6	648.9E6	45.574	46.543M3
25)	Endosulfan S	5.836	6.218	1308.3E6	779.5E6	43.076M3	48.925M4
26)	Endrin Keton	6.068	6.638	1418.7E6	873.8E6	41.747M4	50.711
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 12:09
Operator : PEST18:ejl
Sample : wg1963730-4,42,, pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 22:37:29 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Mon Aug 26 22:36:15 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

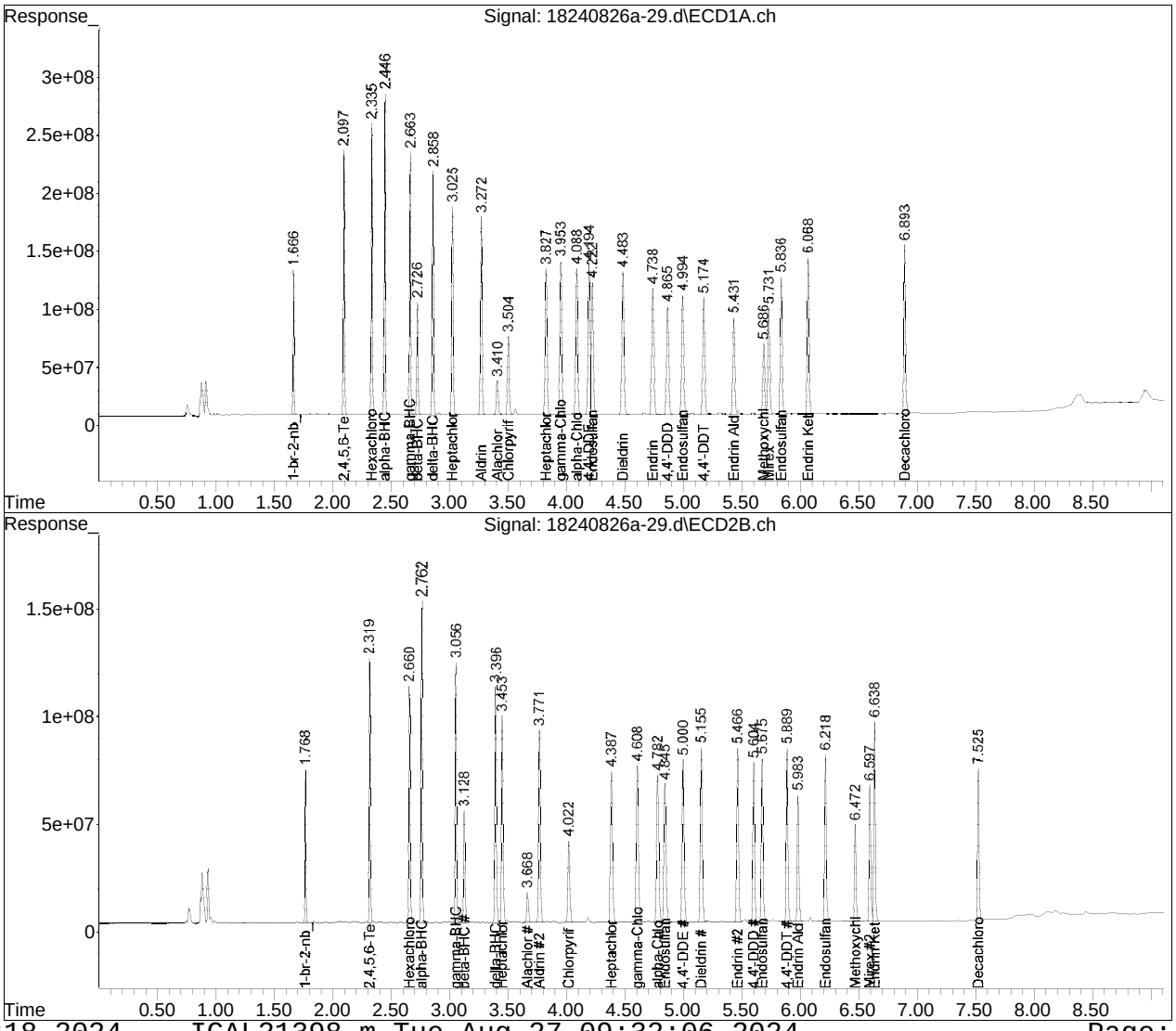
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-29.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 12:09
Operator : PEST18:ejl
Sample : wg1963730-4,42,, pest11604 (Sig #1); pest11604 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 22:37:29 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Mon Aug 26 22:36:15 2024
Response via : Initial Calibration
Integrator: ChemStation

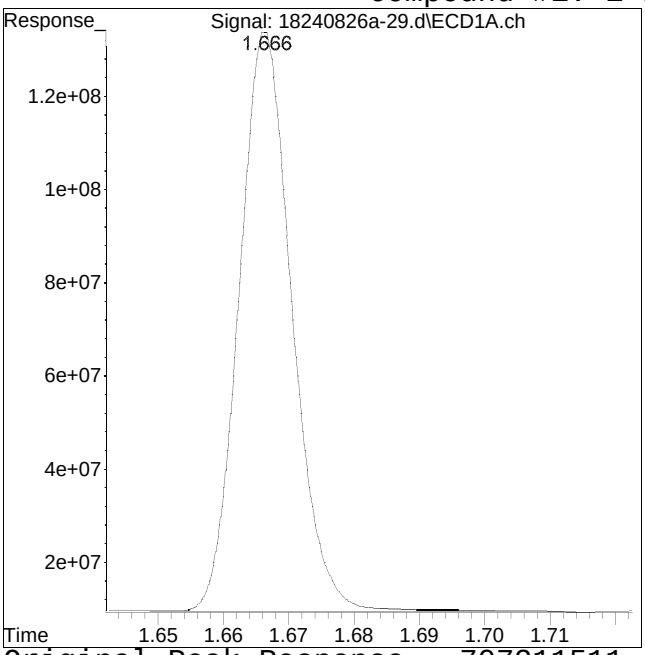
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

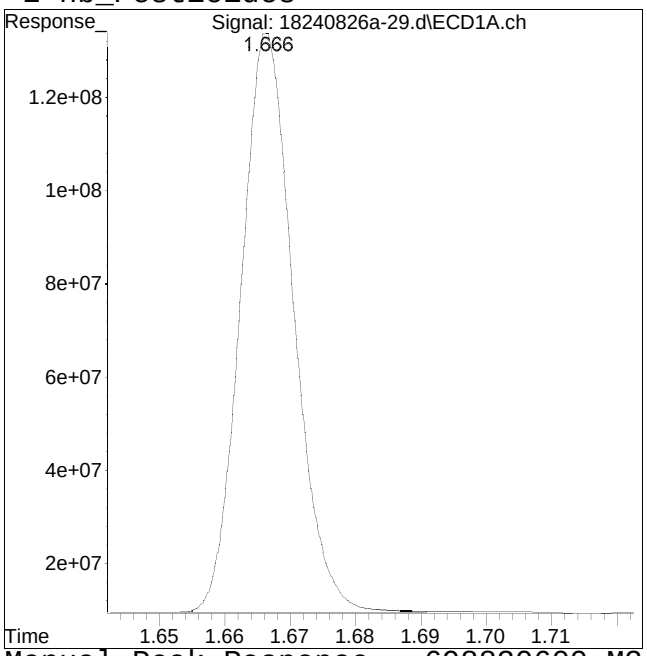


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #1: 1-br-2-nb_Pesticides



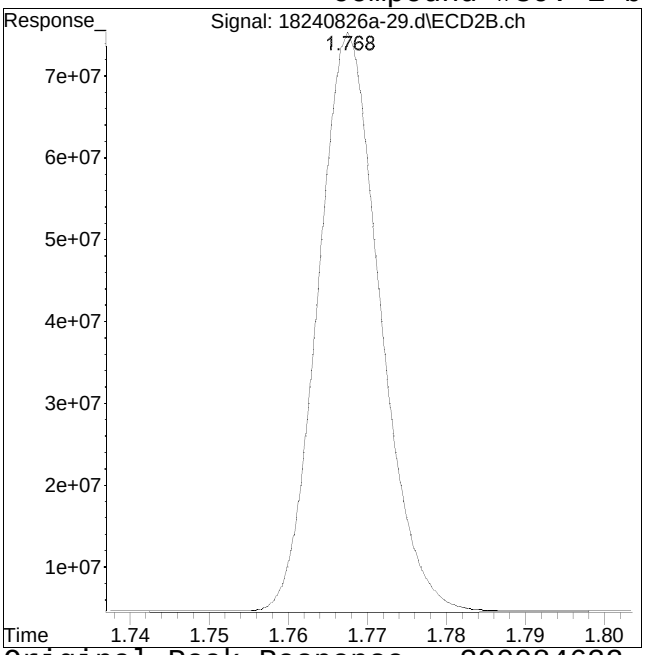


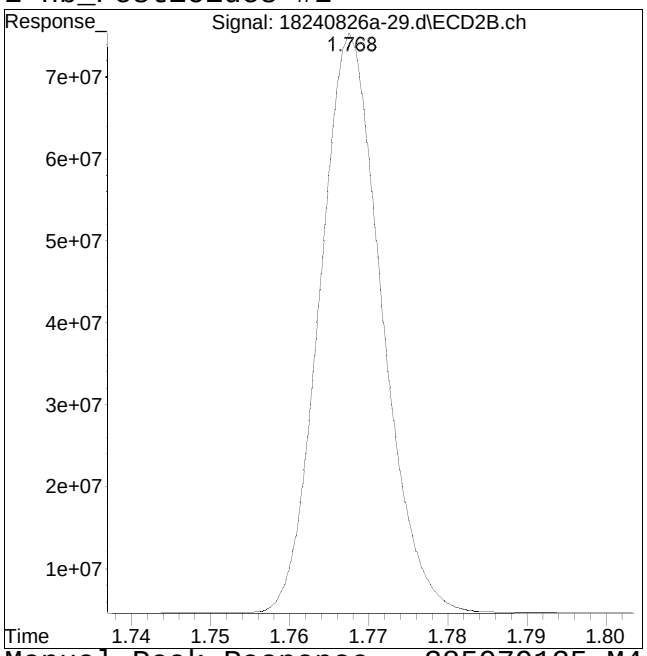
Original Peak Response = 707211511 Manual Peak Response = 698830600 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #39: 1-br-2-nb_Pesticides #2



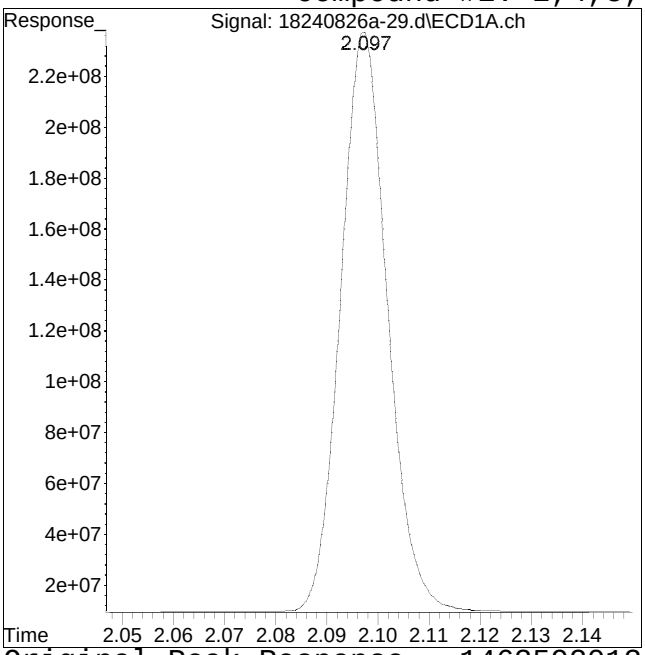


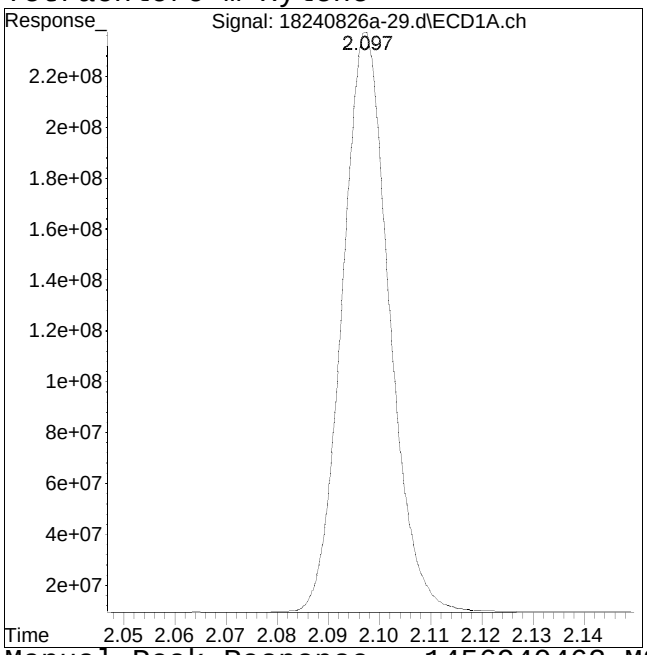
Original Peak Response = 390084632 Manual Peak Response = 385979125 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



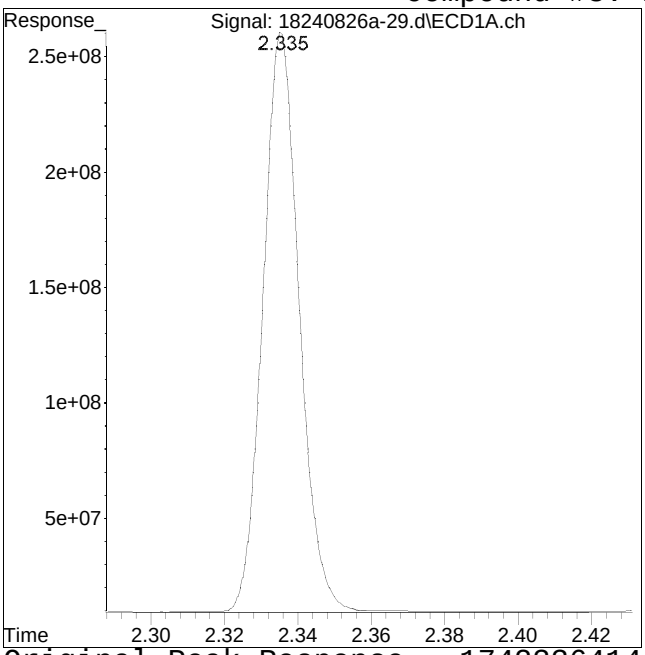


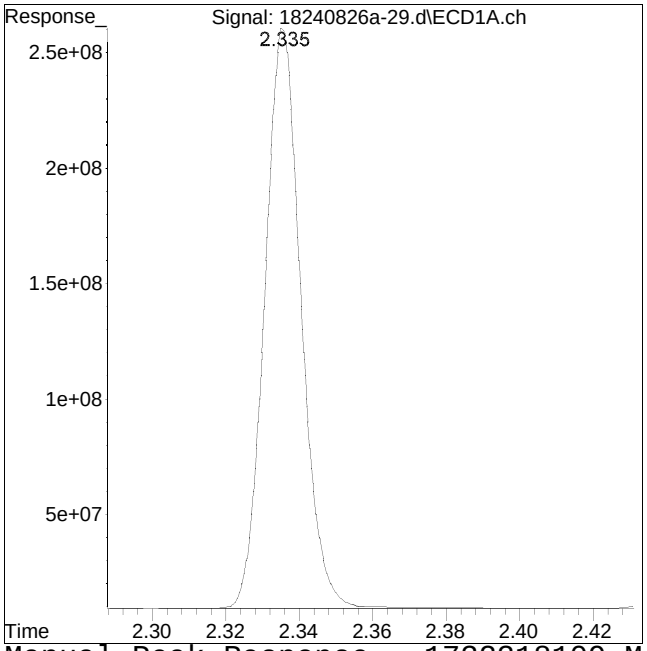
Original Peak Response = 1463592013 Manual Peak Response = 1456940462 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #3: Hexachlorobenzene



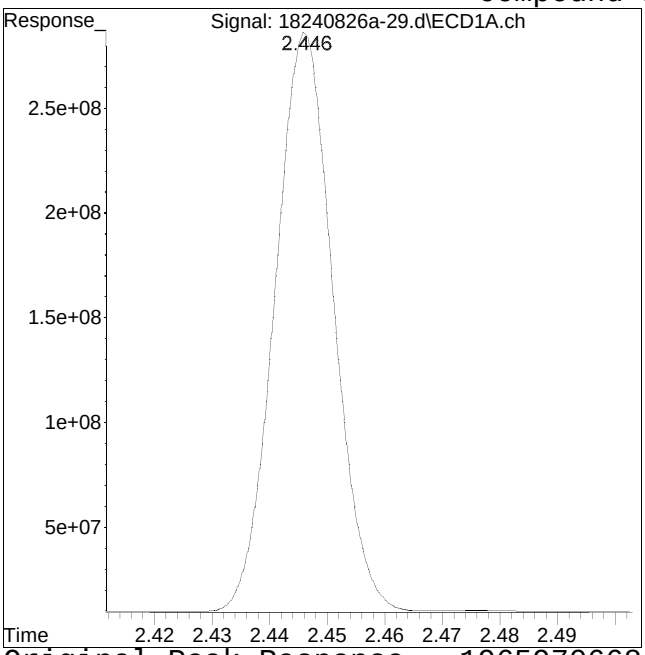


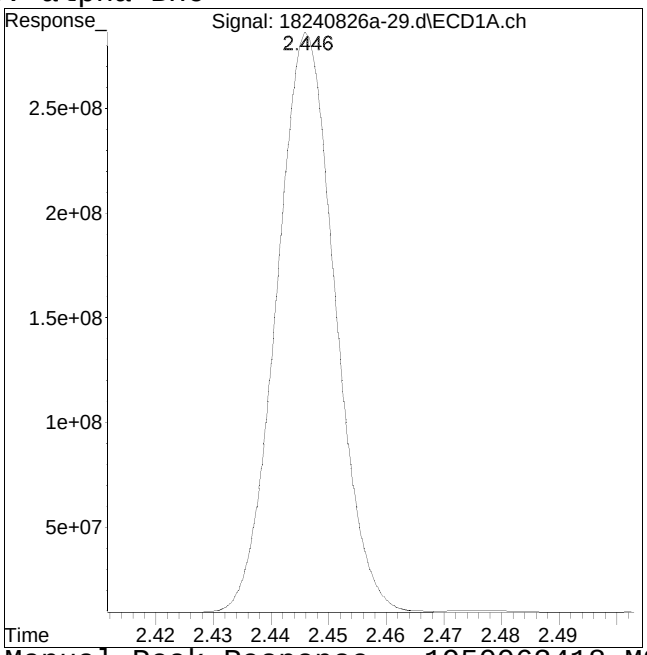
Original Peak Response = 1742336414 Manual Peak Response = 1732318109 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #4: alpha-BHC





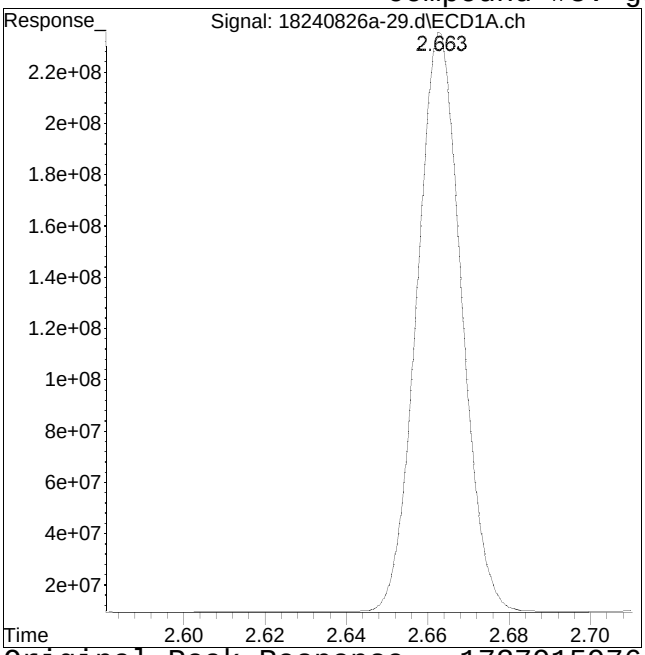
Original Peak Response = 1965970668 Manual Peak Response = 1950063418 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

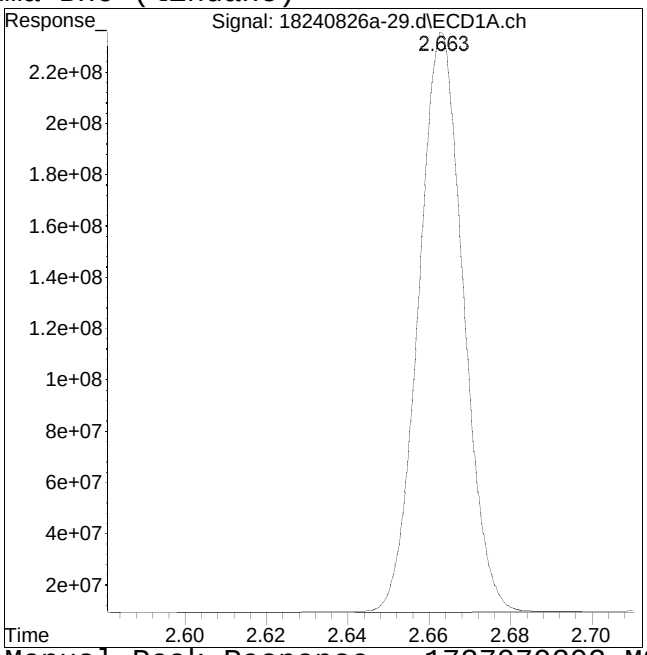
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826Q
Data File : 18240826a-29.d
Date Inj'd : 8/26/2024 12:09
Sample : wg1963730-4,42,, pest11604

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:ejl
Instrument : Pest 18
Quant Date : 8/26/2024 10:37 pm

Compound #5: gamma-BHC (lindane)



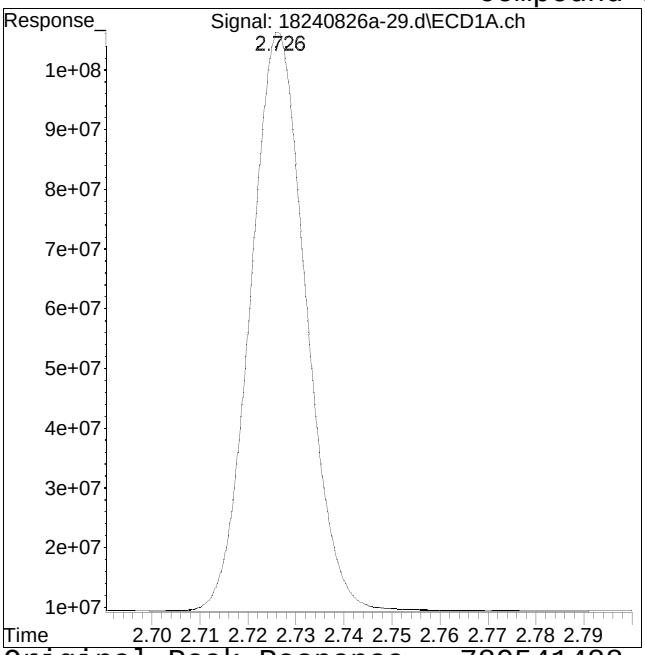


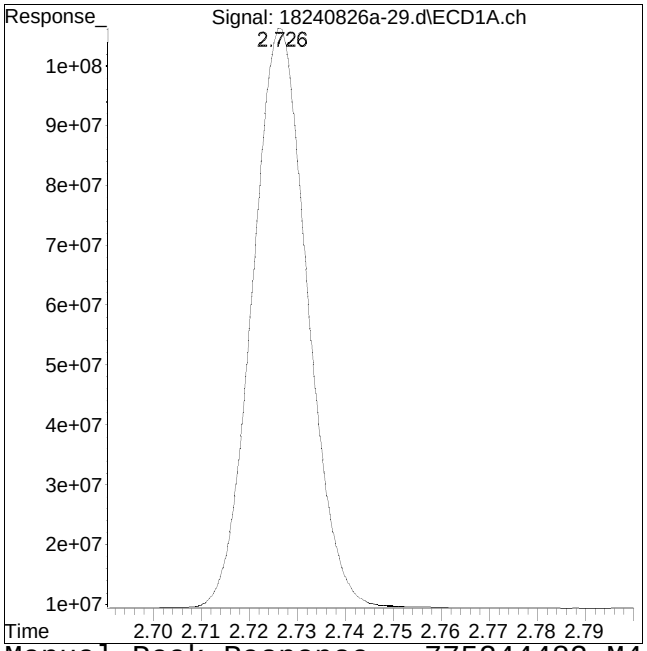
Original Peak Response = 1737915976 Manual Peak Response = 1727079202 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #6: beta-BHC



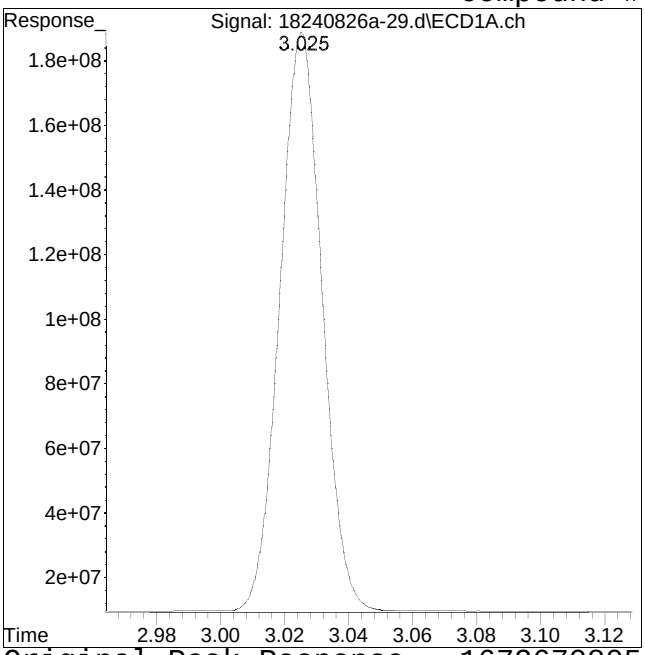


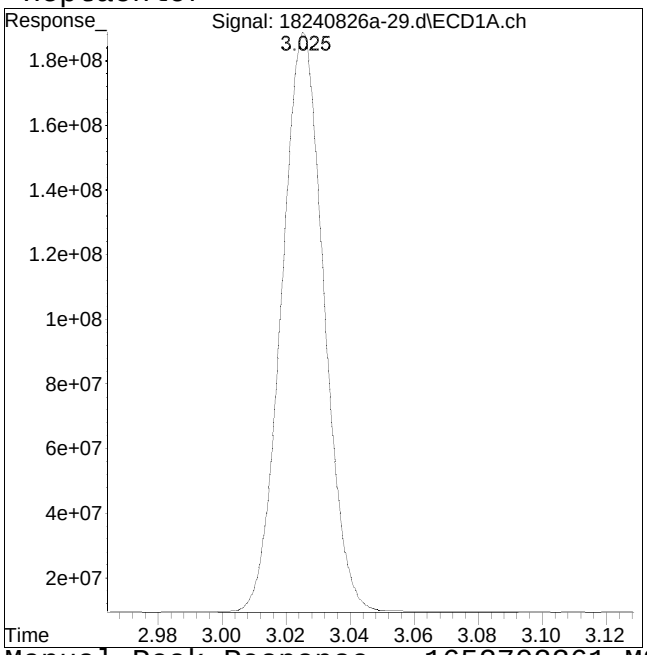
Original Peak Response = 789541488 Manual Peak Response = 775244482 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #8: Heptachlor



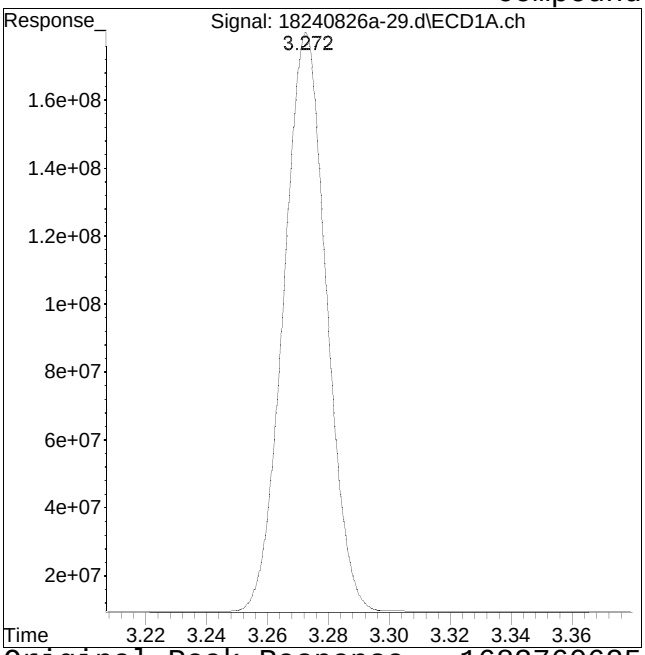


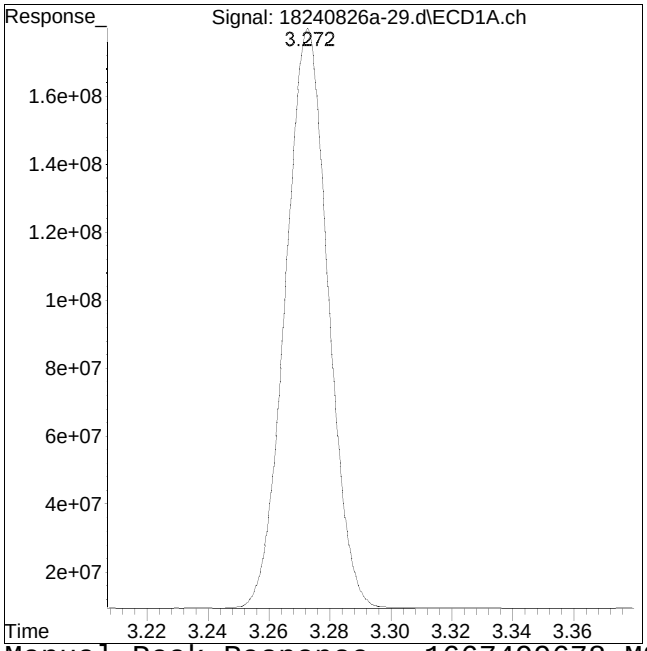
Original Peak Response = 1672679805 Manual Peak Response = 1652702361 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #9: Aldrin



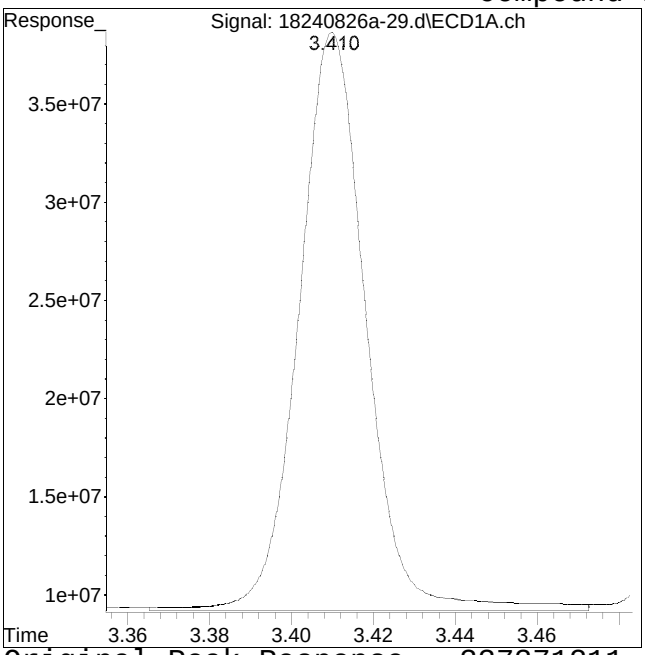


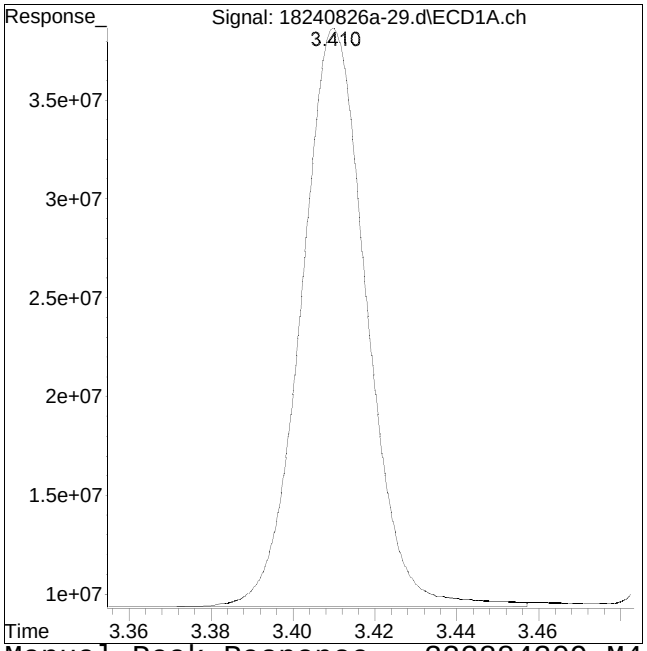
Original Peak Response = 1683760625 Manual Peak Response = 1667499678 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #10: Alachlor



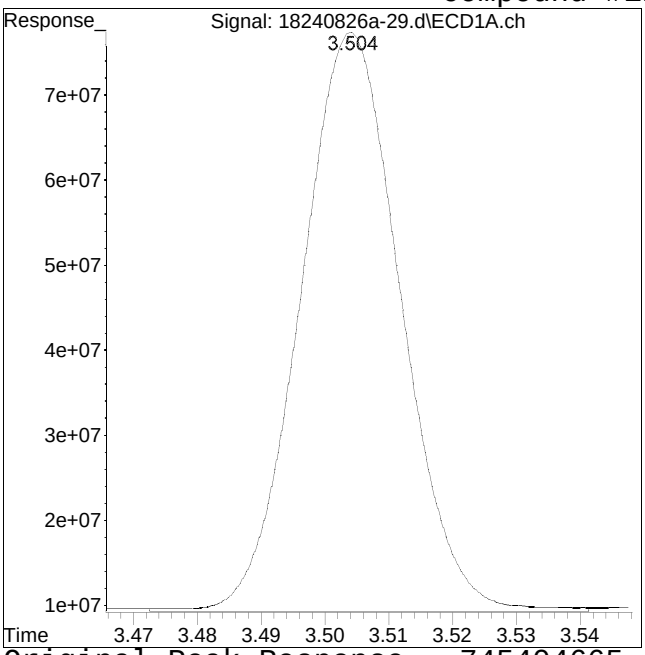


Original Peak Response = 337371211 Manual Peak Response = 323884309 M4
M4 = Poor automated baseline construction.

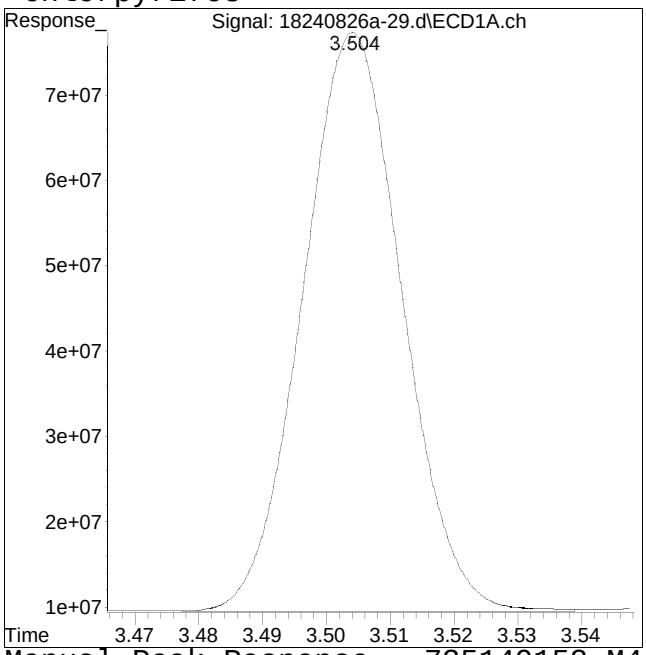
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #11: Chlorpyrifos



Original Peak Response = 745404665



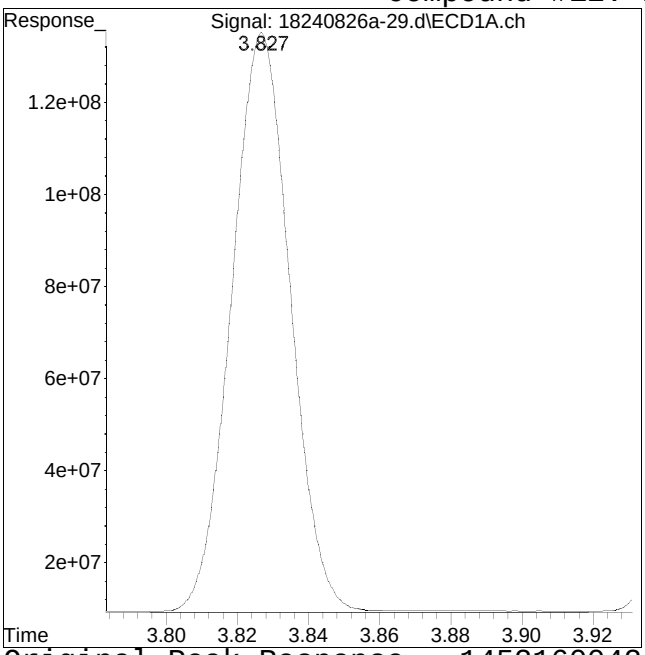
Manual Peak Response = 735149152 M4

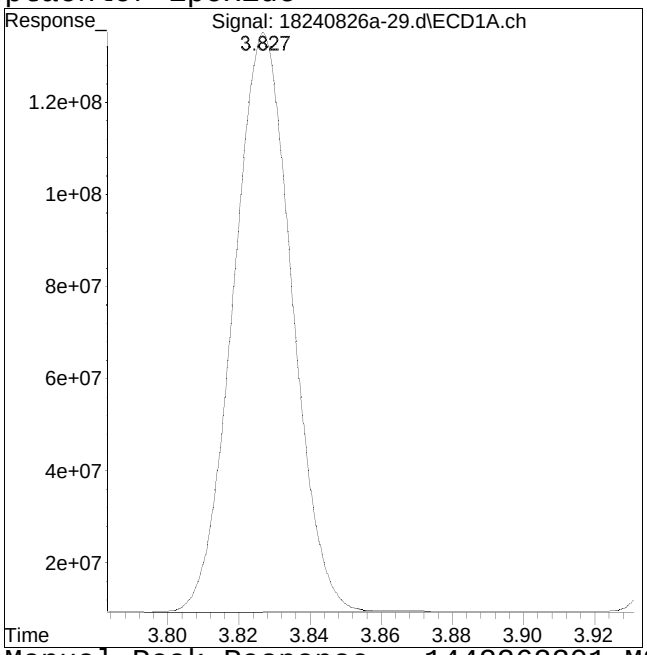
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #12: Heptachlor Epoxide



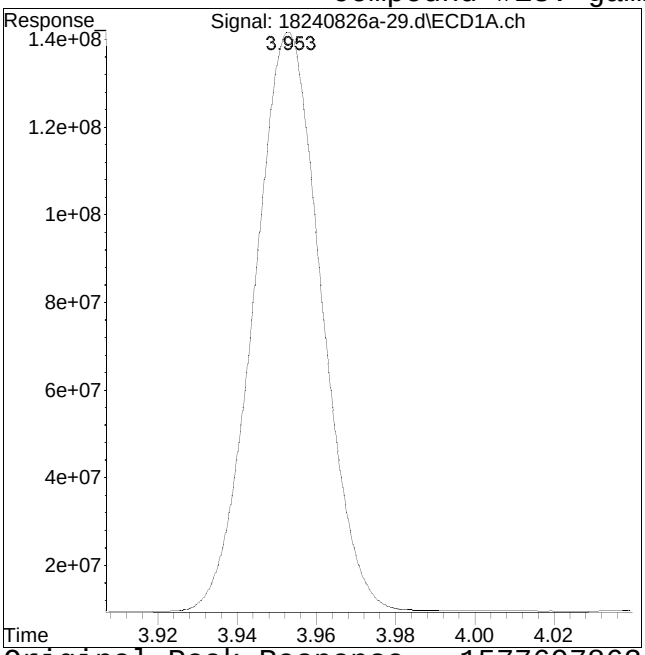


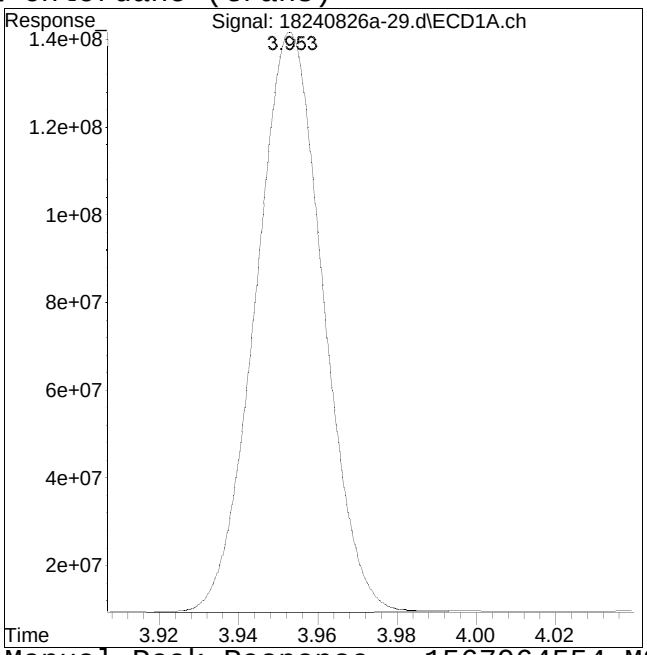
Original Peak Response = 1452160042 Manual Peak Response = 1442262301 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #13: gamma-Chlordane (trans)



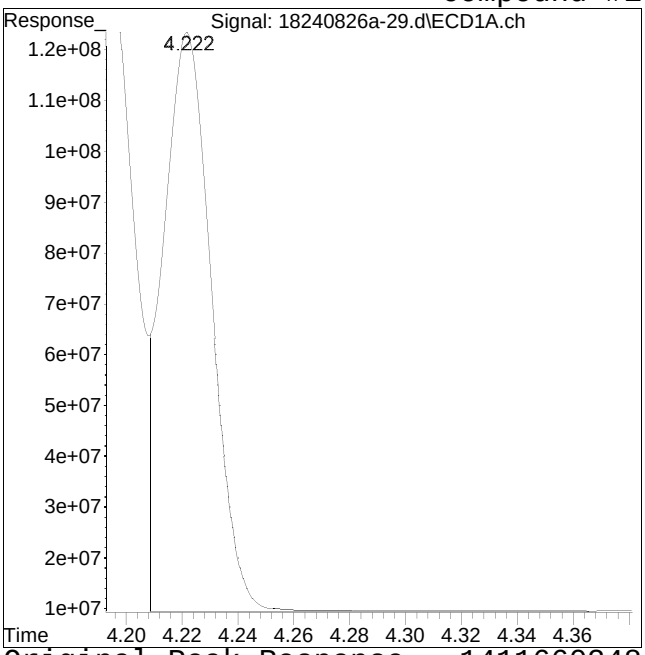


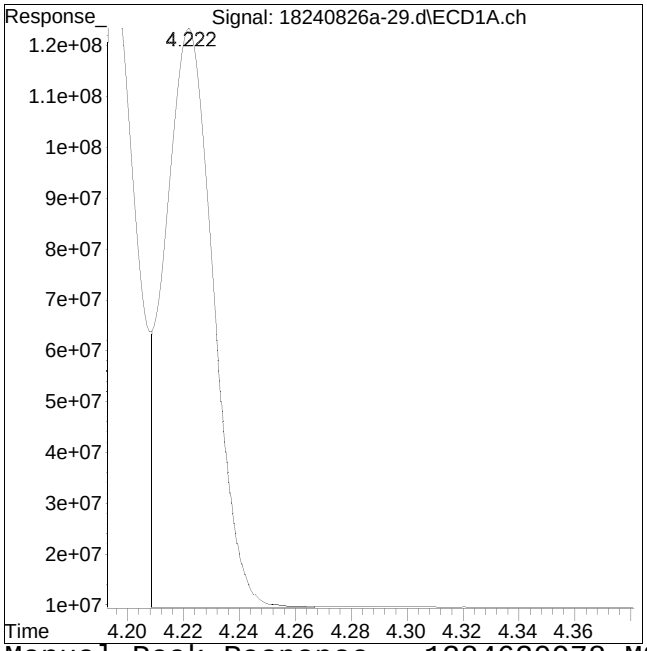
Original Peak Response = 1577697863 Manual Peak Response = 1567064554 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #16: Endosulfan I



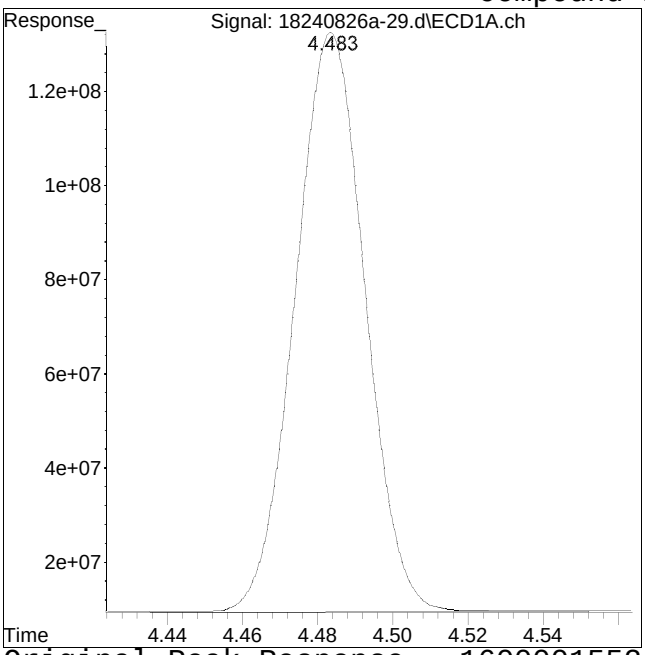


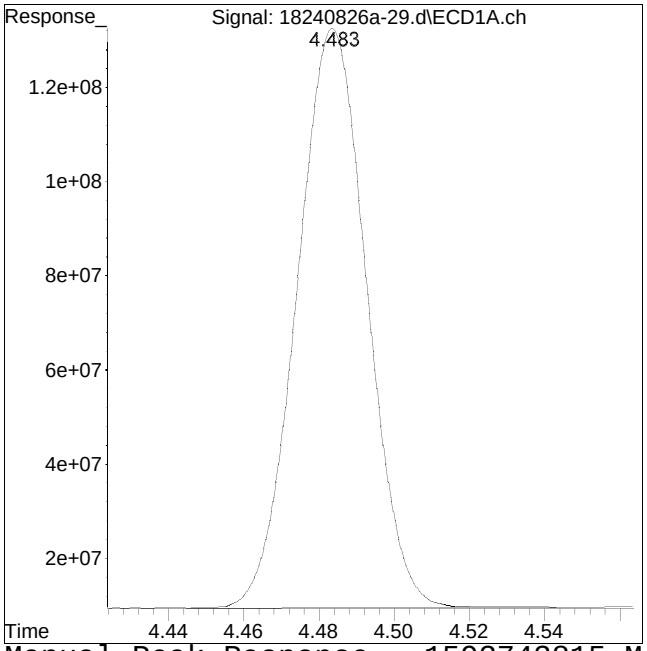
Original Peak Response = 1411660248 Manual Peak Response = 1384630978 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #17: Dieldrin



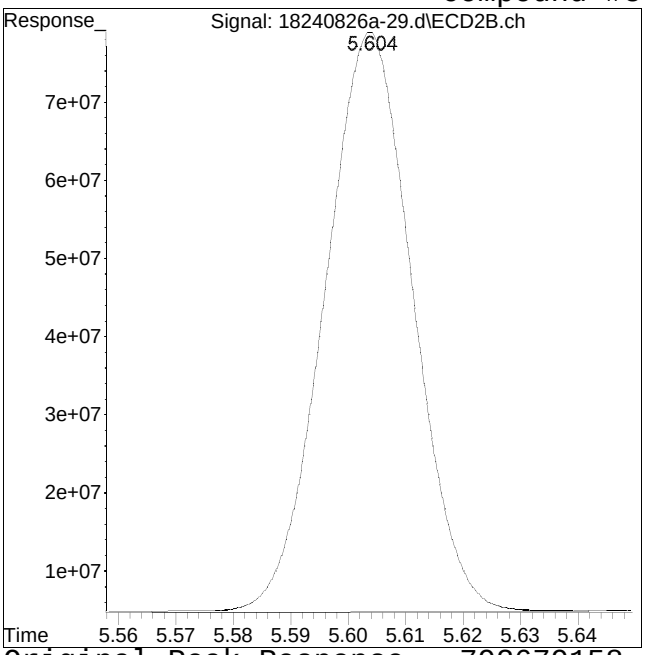


Original Peak Response = 1600001552 Manual Peak Response = 1593743815 M4
M4 = Poor automated baseline construction.

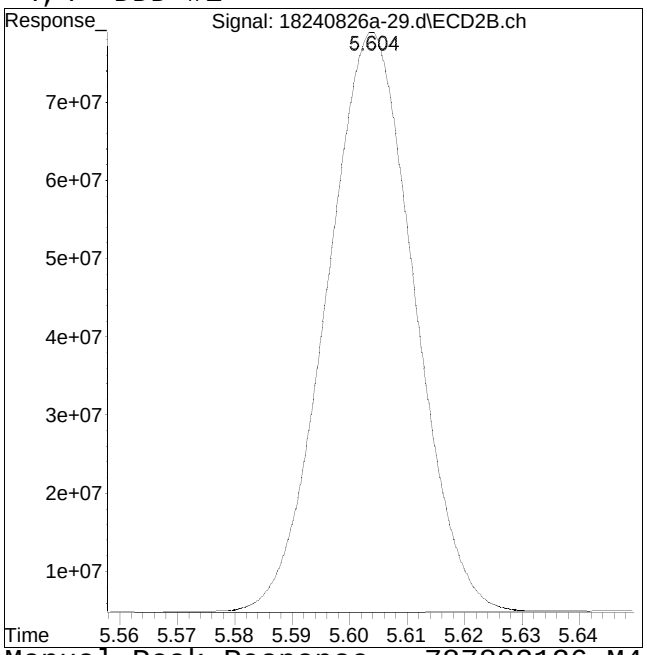
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 792679158



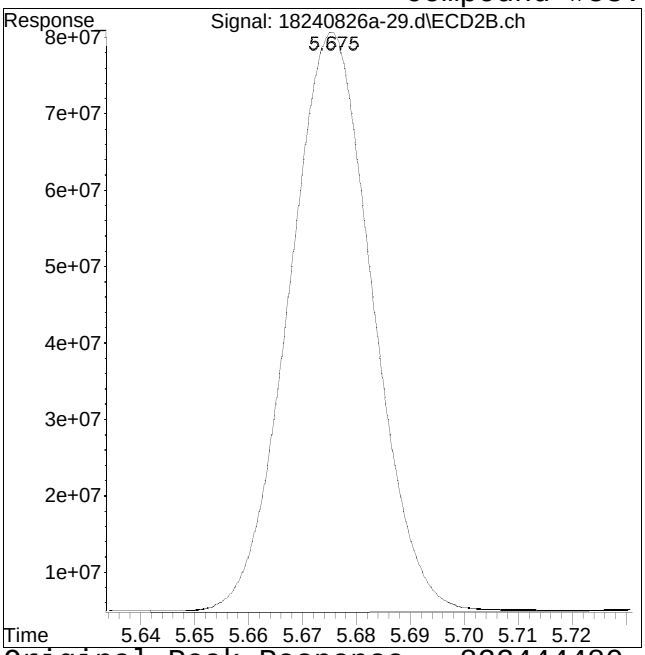
Manual Peak Response = 787882126 M4

M4 = Poor automated baseline construction.

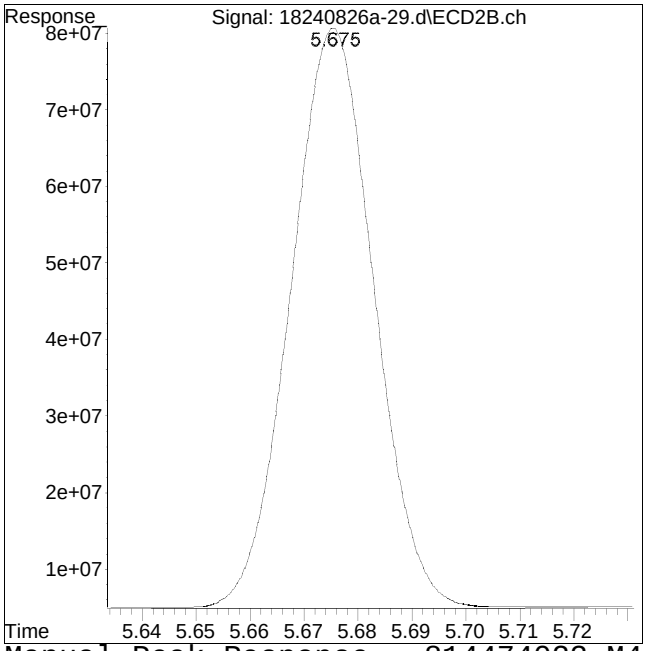
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #58: Endosulfan II #2



Original Peak Response = 822444480



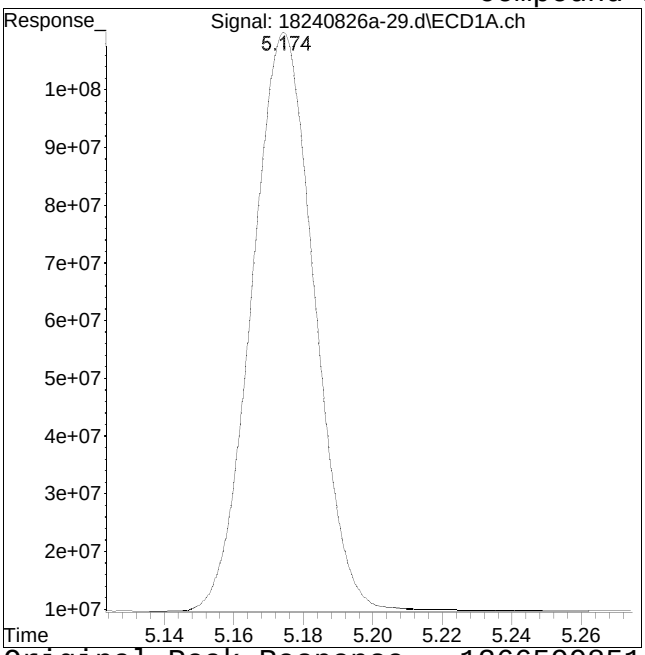
Manual Peak Response = 814474023 M4

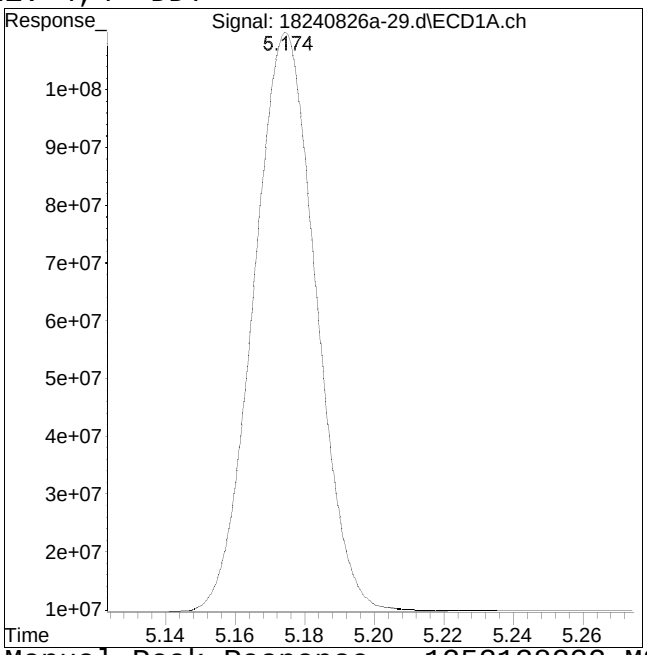
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #21: 4,4'-DDT



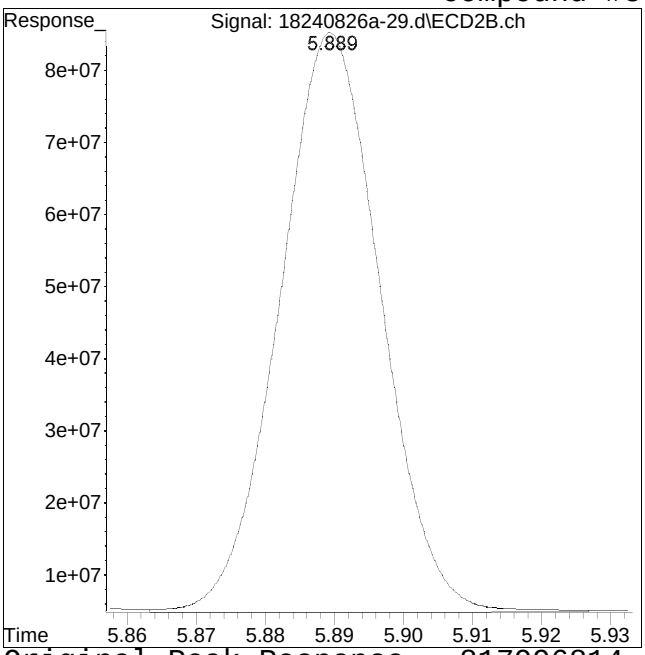


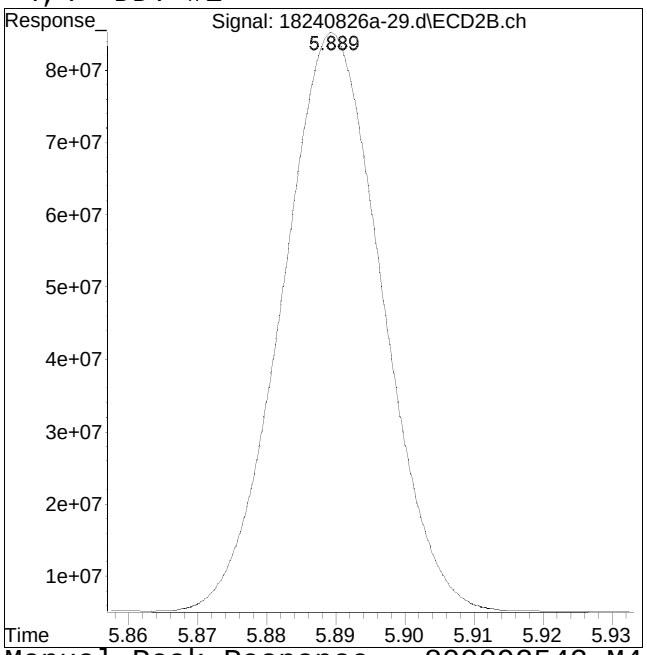
Original Peak Response = 1266599851 Manual Peak Response = 1253138232 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #59: 4,4'-DDT #2



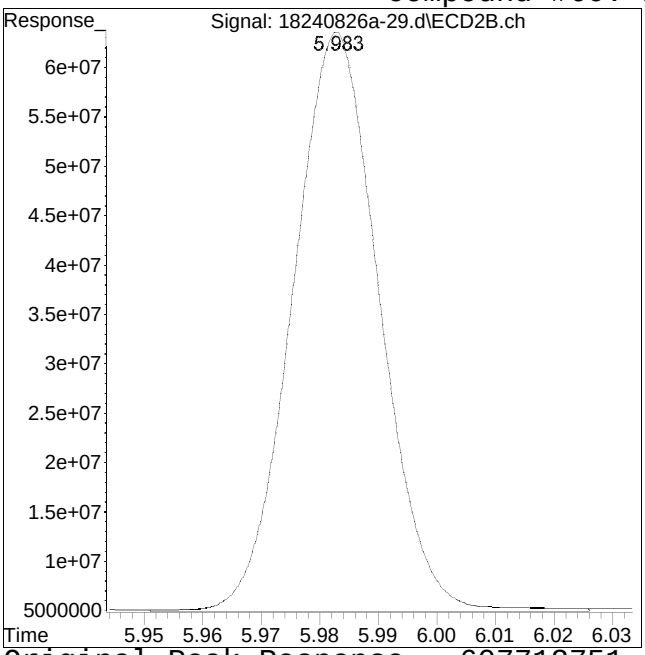


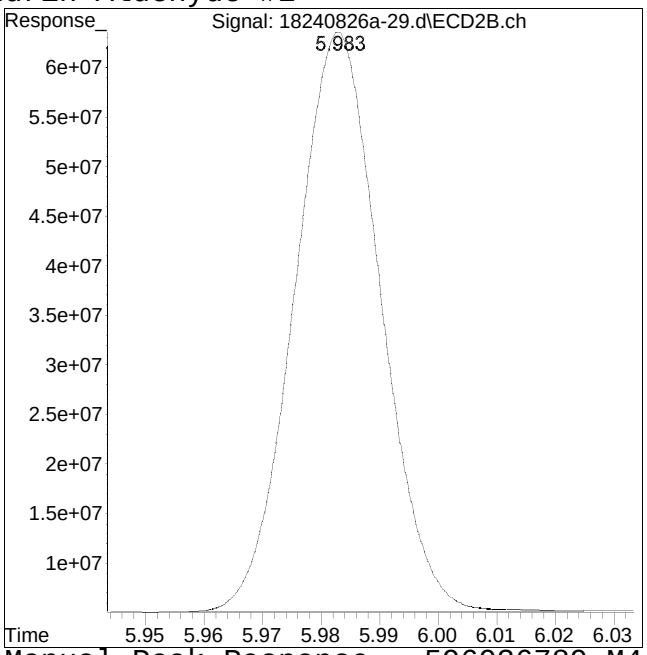
Original Peak Response = 817996814 Manual Peak Response = 809292542 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #60: Endrin Aldehyde #2



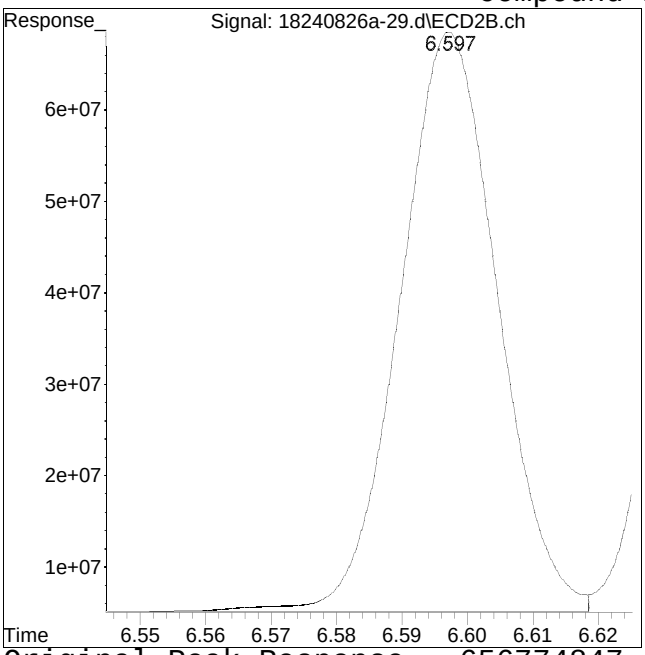


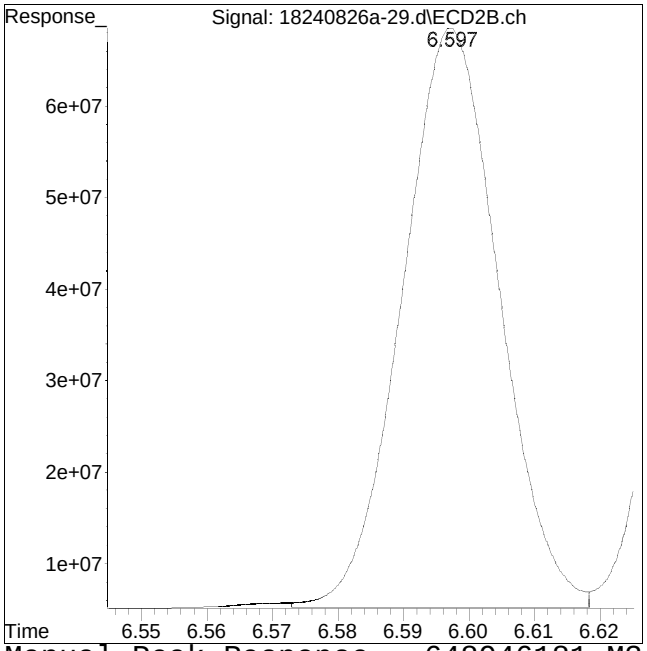
Original Peak Response = 607712751 Manual Peak Response = 596936789 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #62: Mirex #2



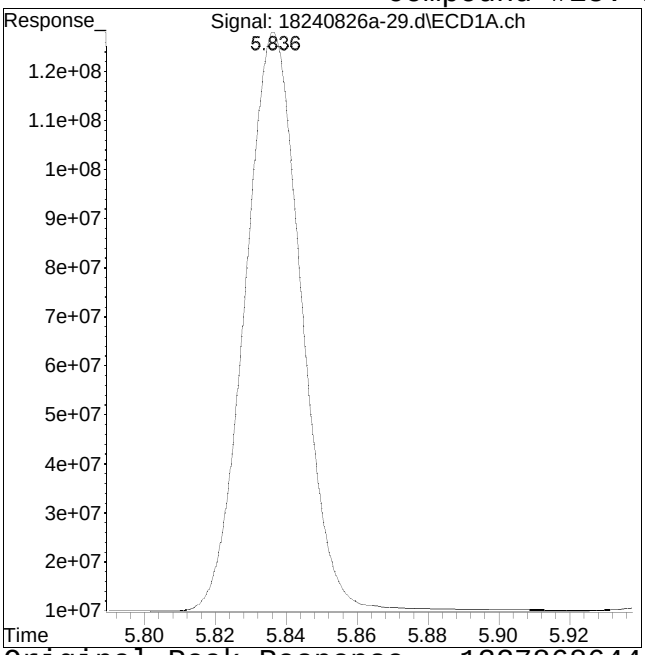


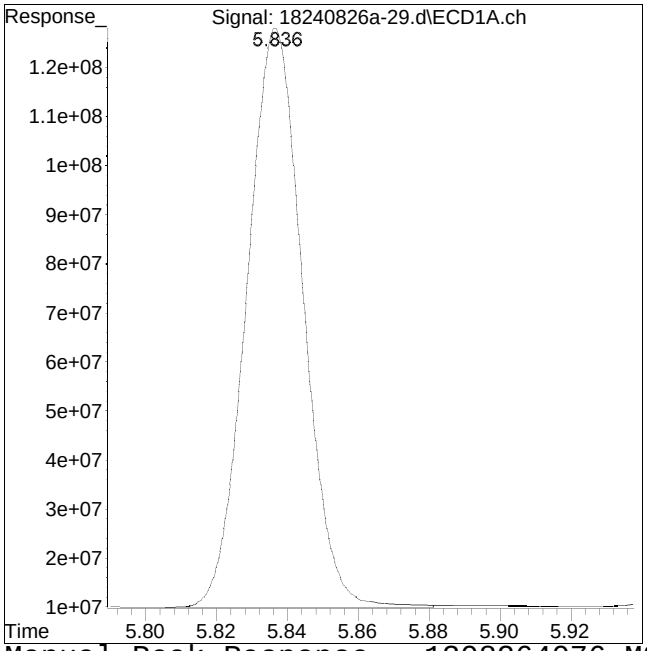
Original Peak Response = 656774847 Manual Peak Response = 648946181 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #25: Endosulfan Sulfate



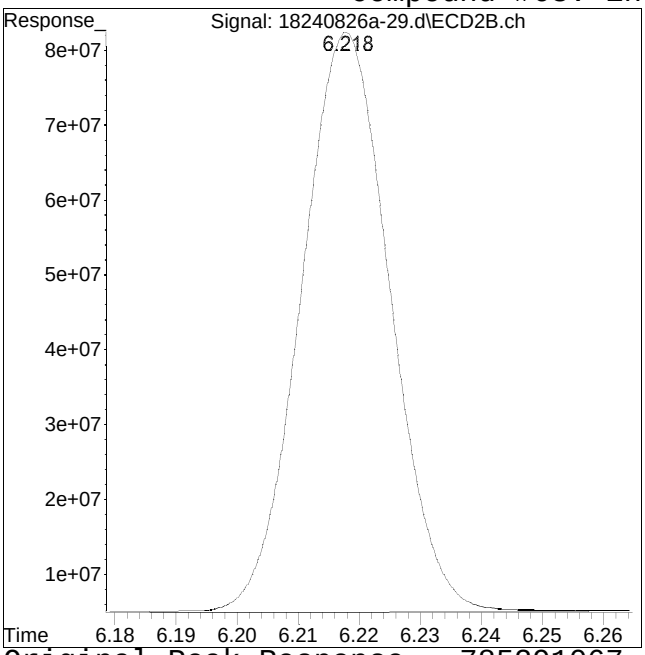


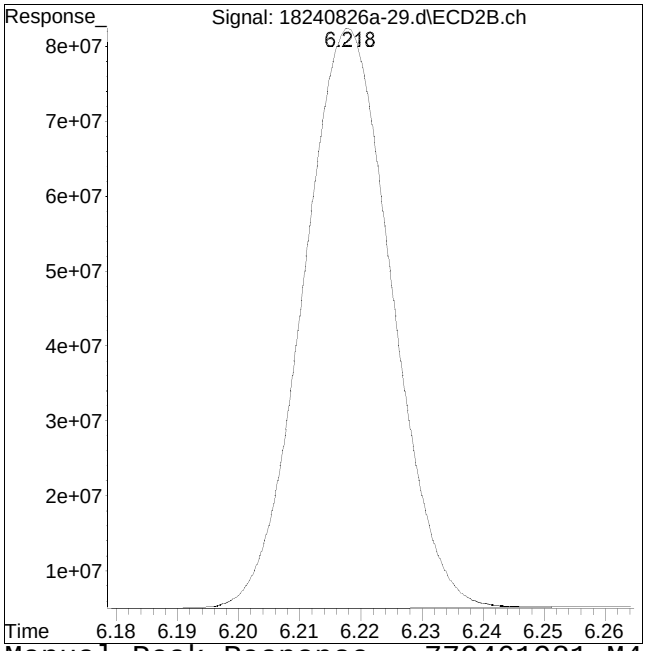
Original Peak Response = 1327868644 Manual Peak Response = 1308264076 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #63: Endosulfan Sulfate #2



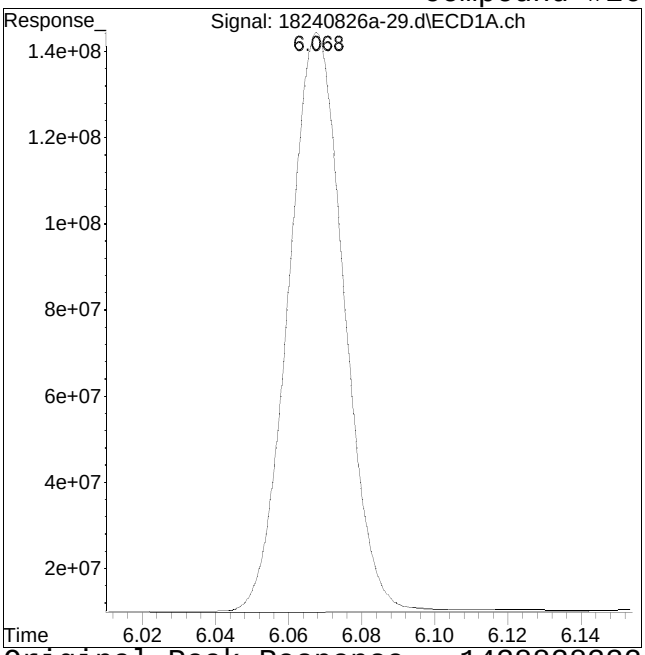


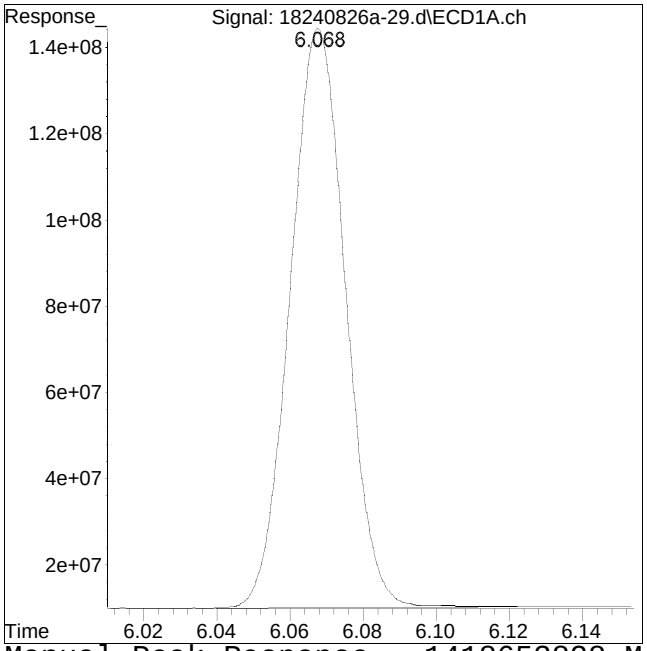
Original Peak Response = 785291067 Manual Peak Response = 779461981 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #26: Endrin Ketone



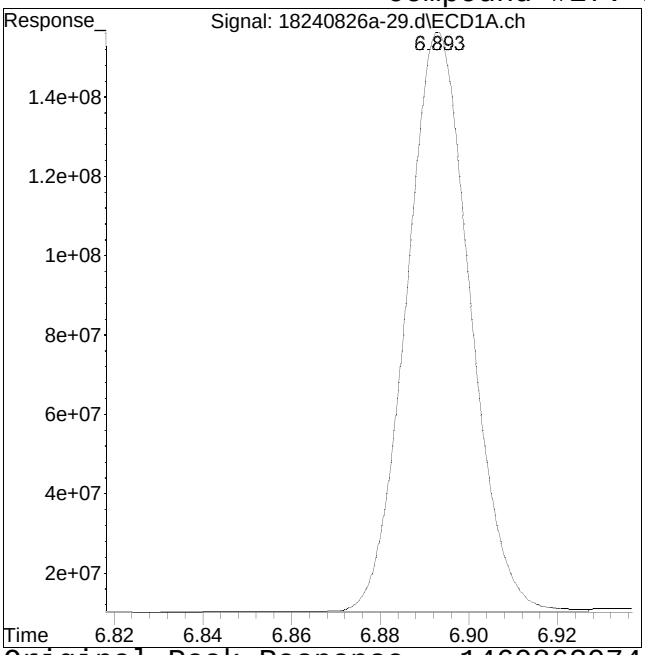


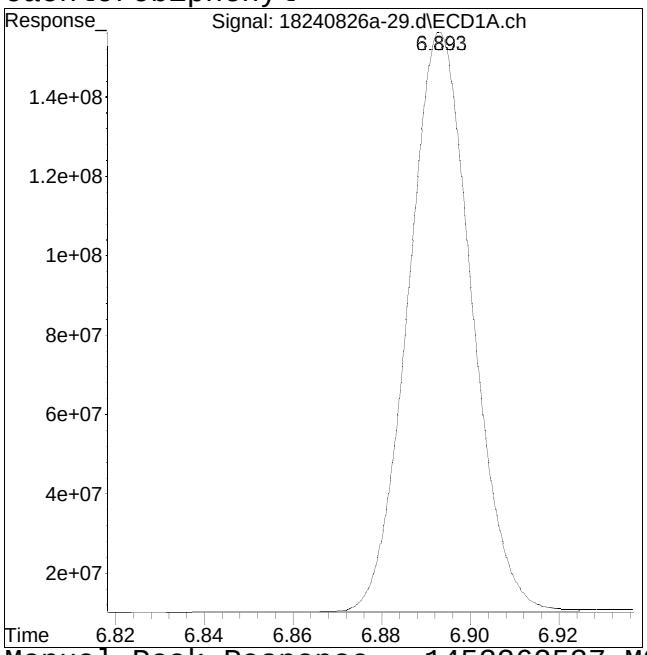
Original Peak Response = 1438828332 Manual Peak Response = 1418653828 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #27: Decachlorobiphenyl



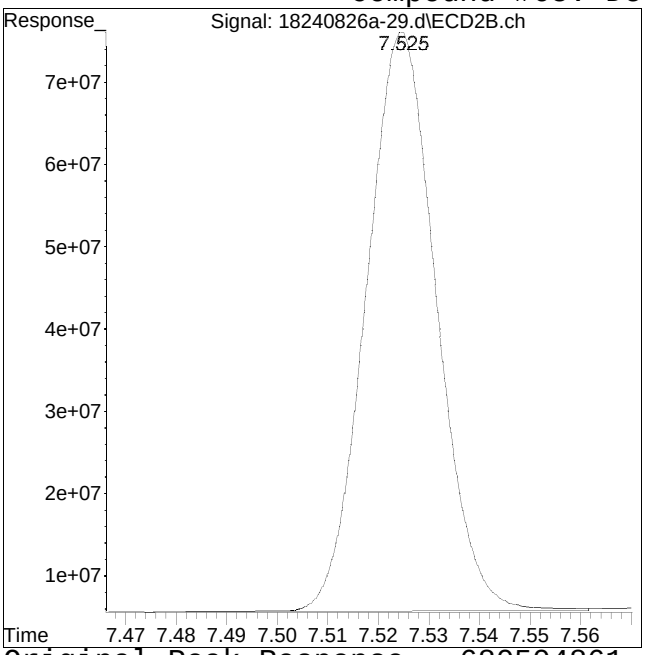


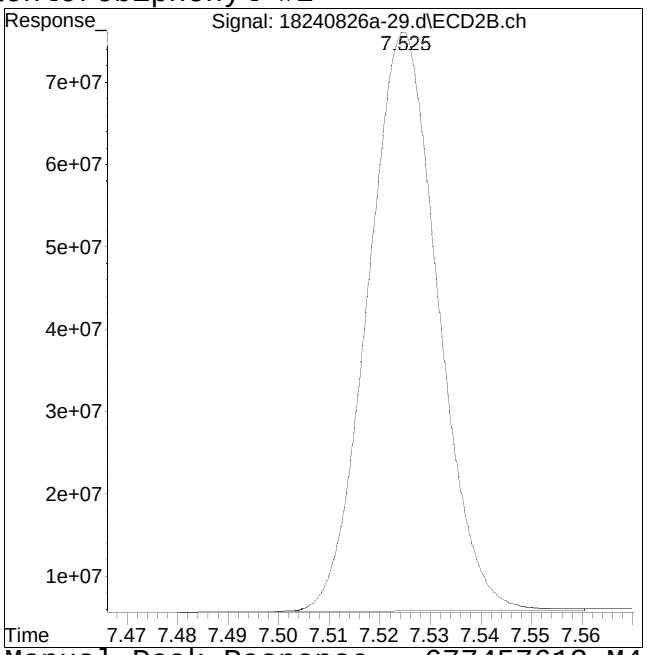
Original Peak Response = 1460863074 Manual Peak Response = 1453262537 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-29.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 12:09 Instrument : Pest 18
Sample : wg1963730-4,42,, pest11604Quant Date : 8/26/2024 10:37 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 680504861 Manual Peak Response = 677457613 M4
M4 = Poor automated baseline construction.

Degradation Check Standard

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PEST11	**Analysis Date**	: 08/26/24 05:50
PEM Standard	: R1868601-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1428323.23658	1524036.04113
Endrin	644401535.35563	444895919.78932
4,4'-DDD	3177953.61551	3286508.45272
4,4'-DDT	1179007087.8008	805541228.34093
Endrin Aldehyde	1818925.37486	1784013.35004
Endrin Ketone	5662110.72841	4816333.52083

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.15	1.46
DDT	0.389	0.594

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PEST18	**Analysis Date**	: 08/26/24 06:43
PEM Standard	: R1868899-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1365543.07368	1108219.22831
Endrin	1486197372.2814	926957450.53648
4,4'-DDD	3061155.5152	7140095.43851
4,4'-DDT	2671955650.6954	1748978178.8329
Endrin Aldehyde	1033483.96683	2252548.59985
Endrin Ketone	4925470.43796	3848351.15094

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.399	0.654
DDT	0.165	0.469

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PEST20	**Analysis Date**	: 08/26/24 07:34
PEM Standard	: R1868556-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	259633.53918	369867.16
Endrin	150777862.25	236354970.77477
4,4'-DDD	788043.43334	1255661.7736
4,4'-DDT	277079662.67455	426826247.68618
Endrin Aldehyde	206878.83505	245056.17203
Endrin Ketone	871712.78411	1410721.26622

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.710	0.696
DDT	0.377	0.379

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 5:50
Operator : PEST11:ejl
Sample : pem11240826a-01,42,,deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:39:20 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.259	1.336	237.8E6	186.6E6	25.000M4	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.559	4.382	1428323	1524036	0.126M4	0.152
18) t	Endrin	4.105	4.841	644.4E6	444.9E6	58.766	44.262
19) t	4,4'-DDD	4.223	4.971	3177954	3286508	0.360	0.406M3
21) t	4,4'-DDT	4.526	5.252	1179.0E6	805.5E6	117.102M4	86.330
22) t	Endrin Aldeh	4.781	5.345	1818925	1784013	0.216M3	N.D. M4 D
26) t	Endrin Keton	5.409	5.990	5662111	4816334	0.503M3	0.512
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 5:50
Operator : PEST11:ejl
Sample : pem11240826a-01,42,,deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:39:20 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

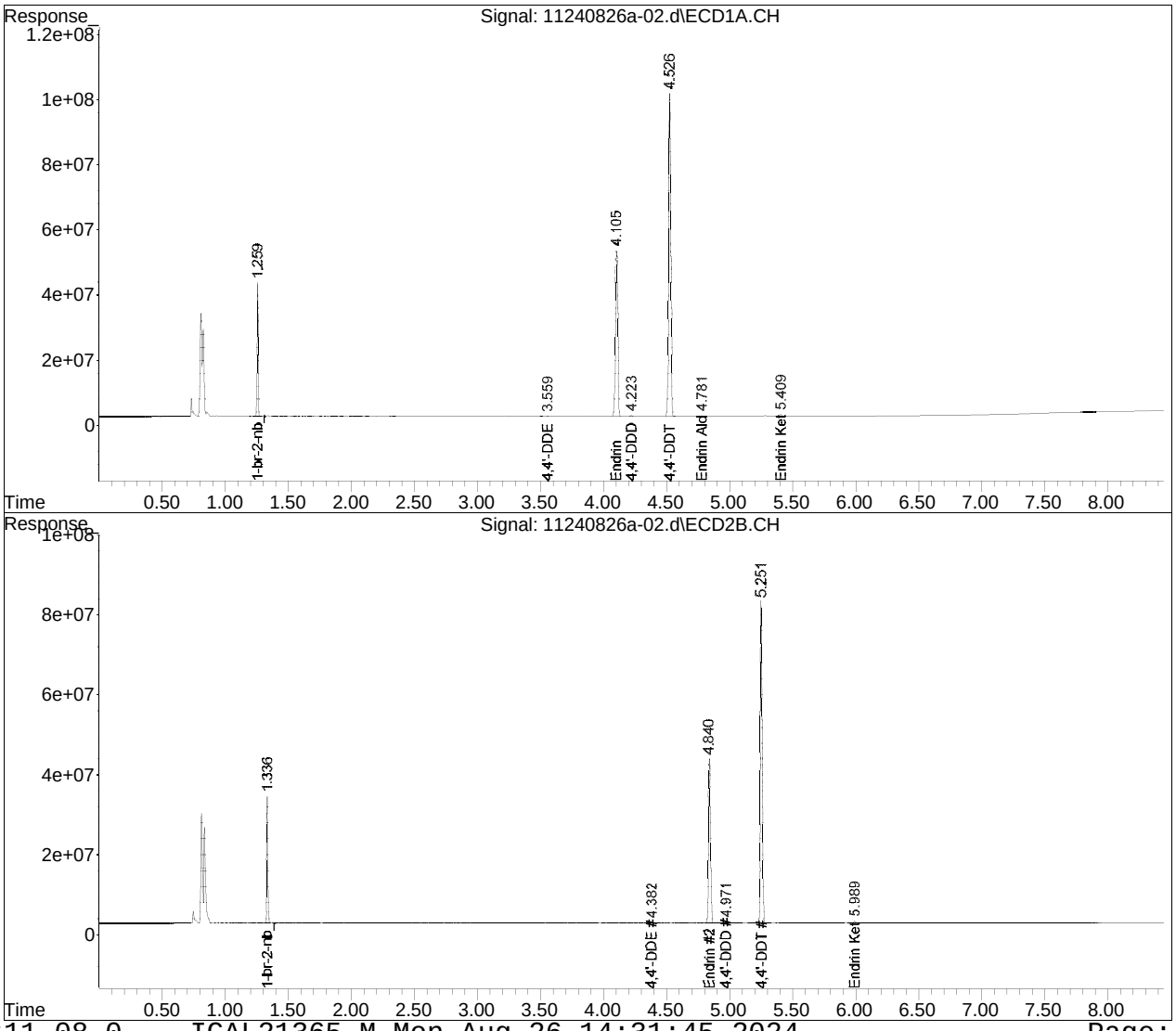
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 5:50
Operator : PEST11:ejl
Sample : pem11240826a-01,42,,deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1963716,,ical21365
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 06:39:20 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

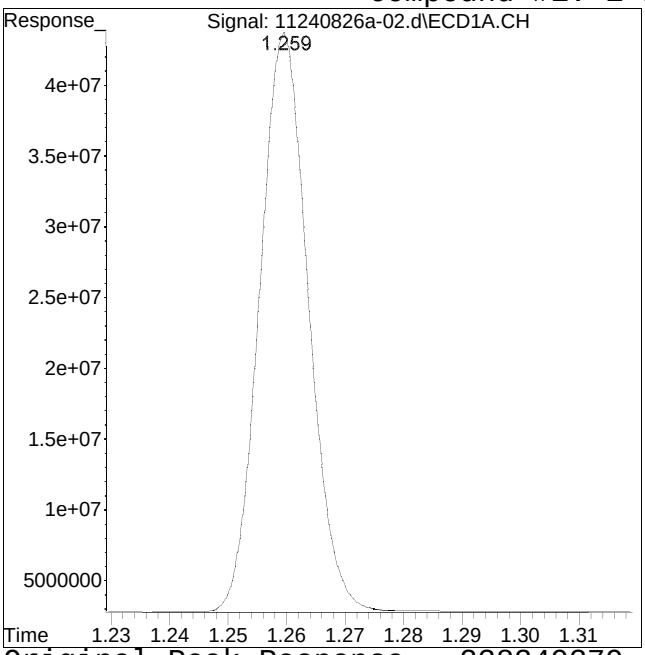
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

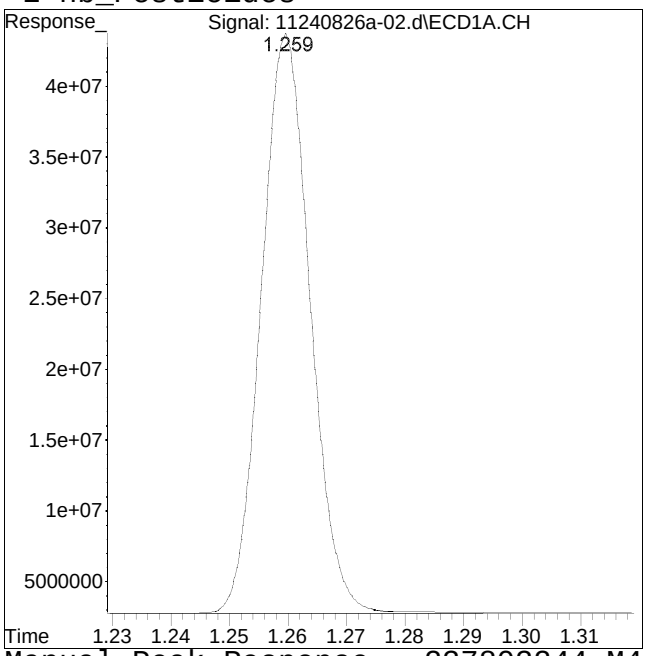


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826Q
Data File : 11240826a-02.d
Date Inj'd : 8/26/2024 5:50
Sample : pem11240826a-01,42,,deg115
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/26/2024 6:39 am

Compound #1: 1-br-2-nb_Pesticides



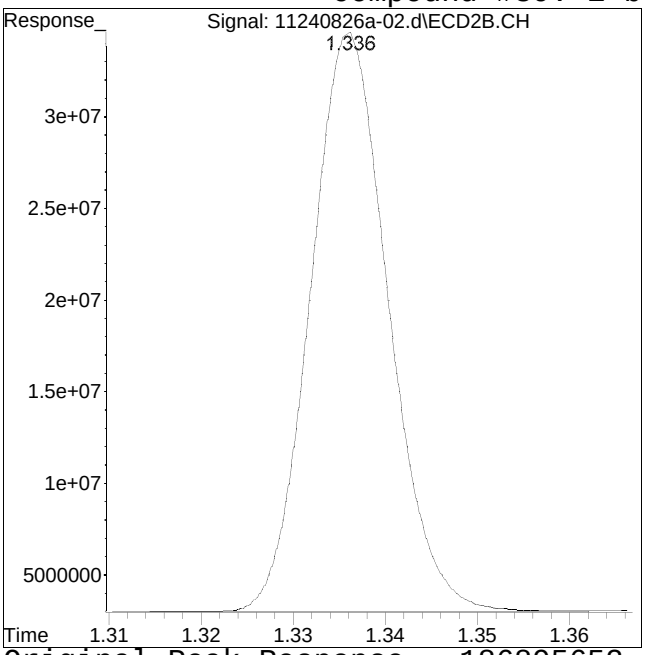


Original Peak Response = 238349379 Manual Peak Response = 237803244 M4
M4 = Poor automated baseline construction.

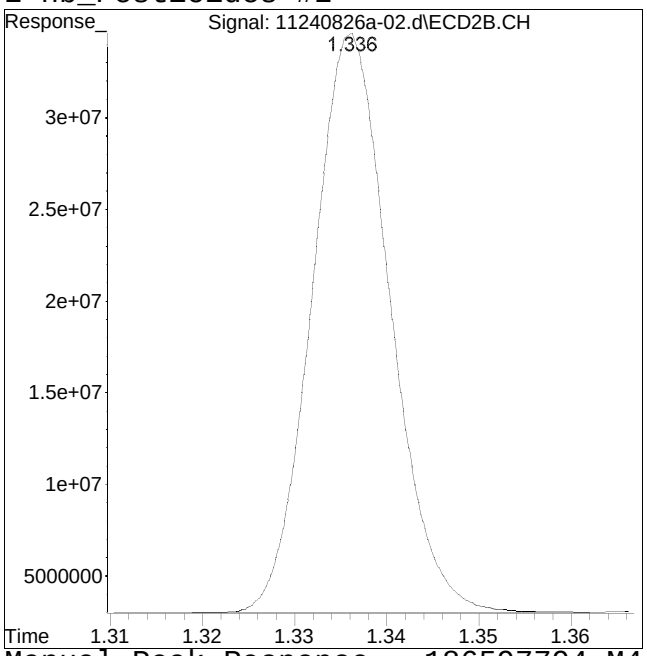
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826Q
Data File : 11240826a-02.d
Date Inj'd : 8/26/2024 5:50
Sample : pem11240826a-01,42,,deg115
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/26/2024 6:39 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 186895652



Manual Peak Response = 186597794 M4

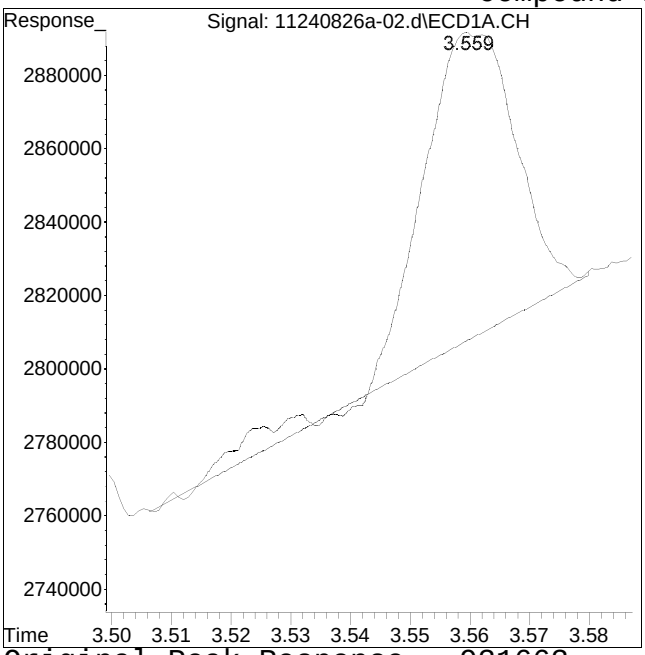
M4 = Poor automated baseline construction.

Manual Integration Report

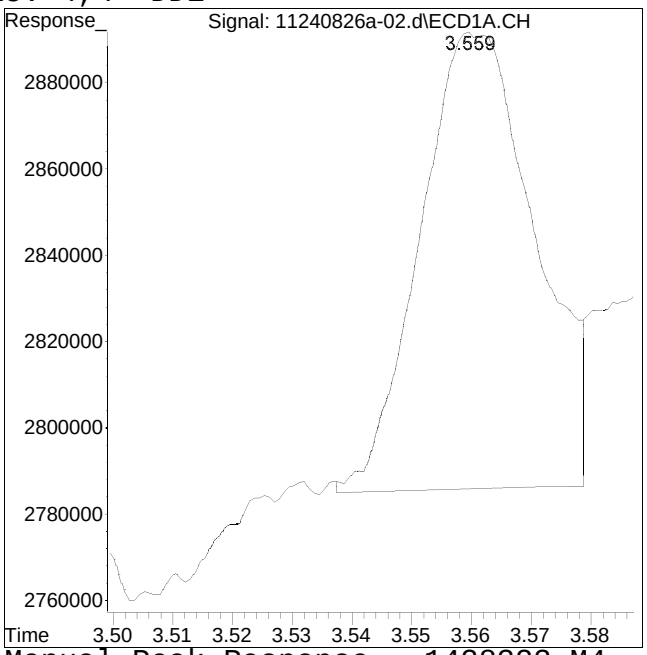
Data Path : I:\PEST\Pest11\2024\240826Q
Data File : 11240826a-02.d
Date Inj'd : 8/26/2024 5:50
Sample : pem11240826a-01,42,,deg115

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/26/2024 6:39 am

Compound #15: 4,4'-DDE



Original Peak Response = 931663



Manual Peak Response = 1428323 M4

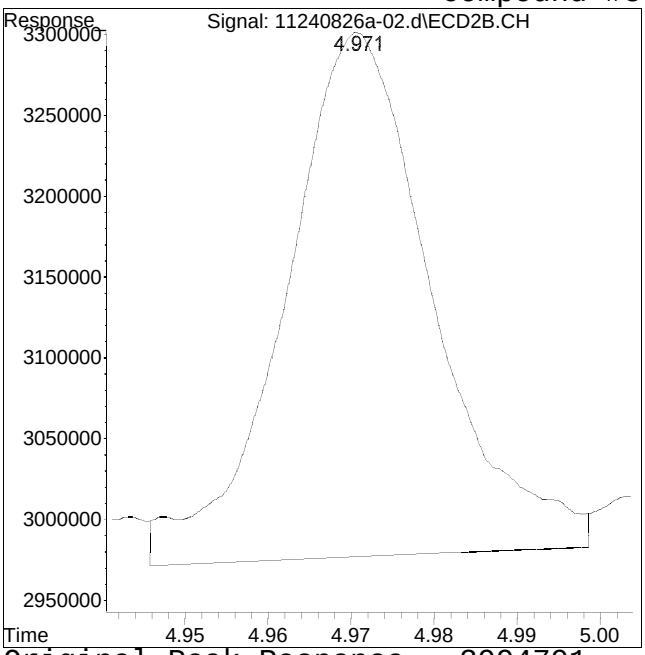
M4 = Poor automated baseline construction.

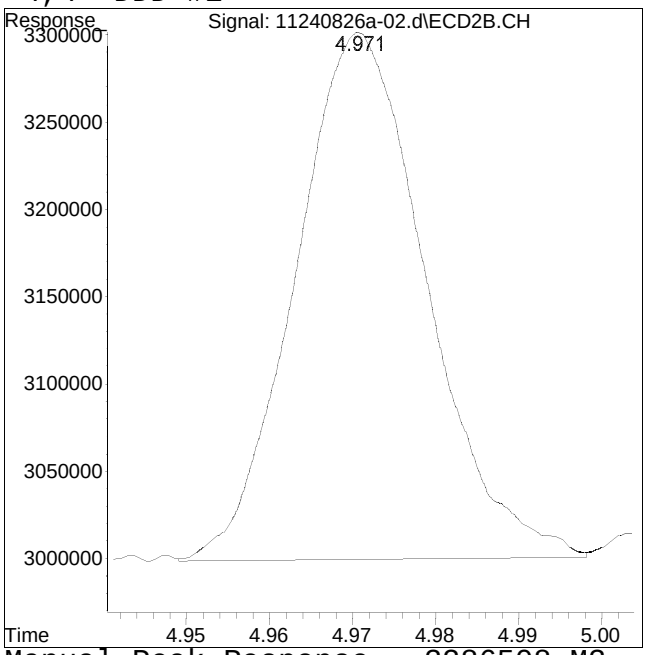
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826Q
Data File : 11240826a-02.d
Date Inj'd : 8/26/2024 5:50
Sample : pem11240826a-01,42,,deg115

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/26/2024 6:39 am

Compound #57: 4,4'-DDD #2





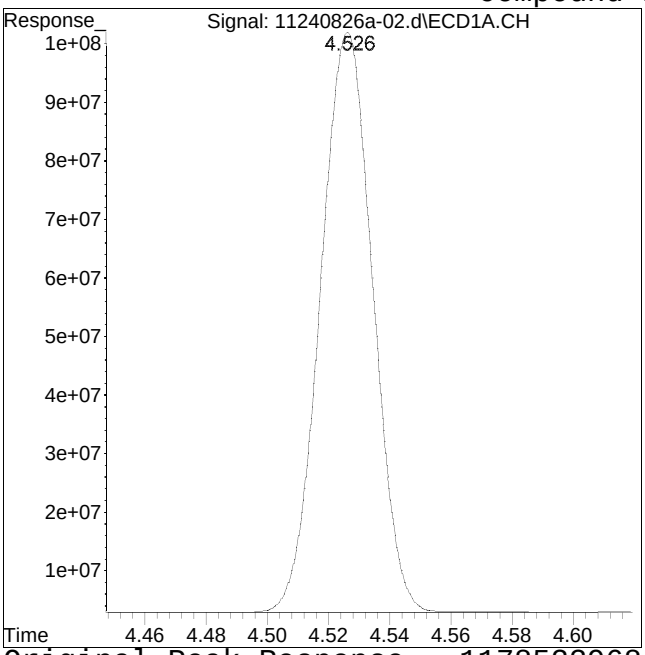
Original Peak Response = 3994791 Manual Peak Response = 3286508 M3

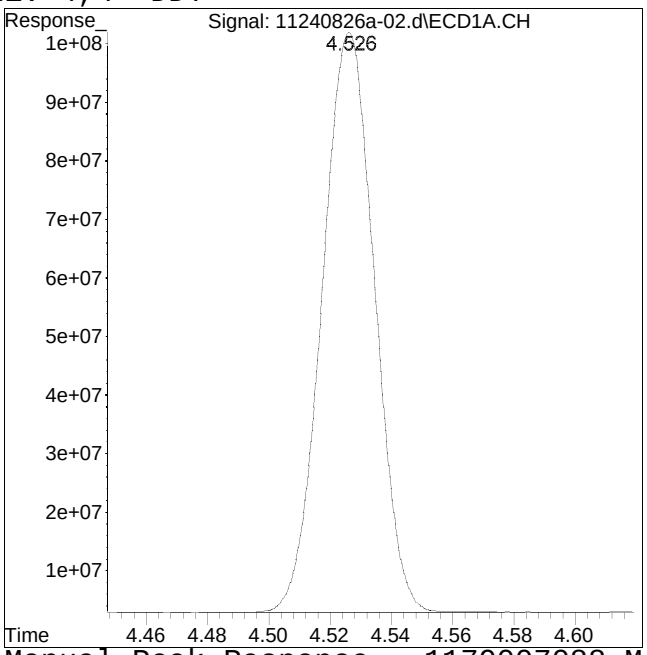
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-02.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 5:50 Instrument : Pest 11
Sample : pem11240826a-01,42,,deg115Quant Date : 8/26/2024 6:39 am

Compound #21: 4,4'-DDT



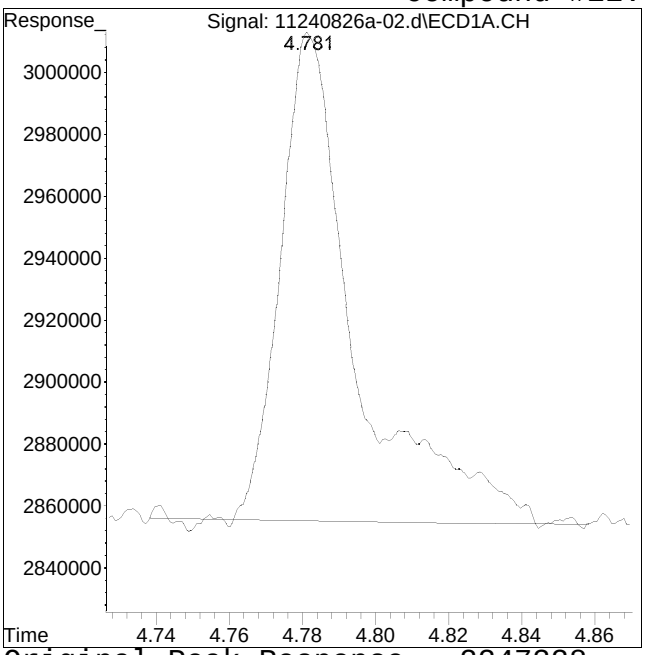


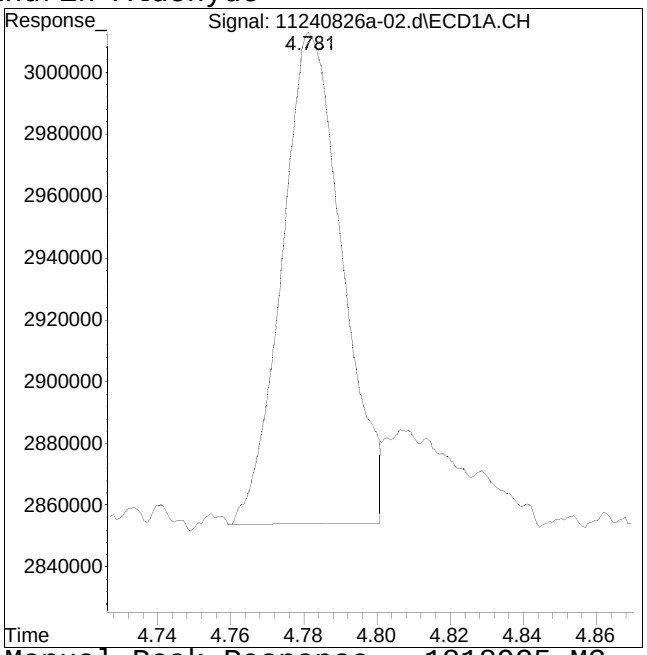
Original Peak Response = 1178523968 Manual Peak Response = 1179007088 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826Q
Data File : 11240826a-02.d
Date Inj'd : 8/26/2024 5:50
Sample : pem11240826a-01,42,,deg115
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/26/2024 6:39 am

Compound #22: Endrin Aldehyde





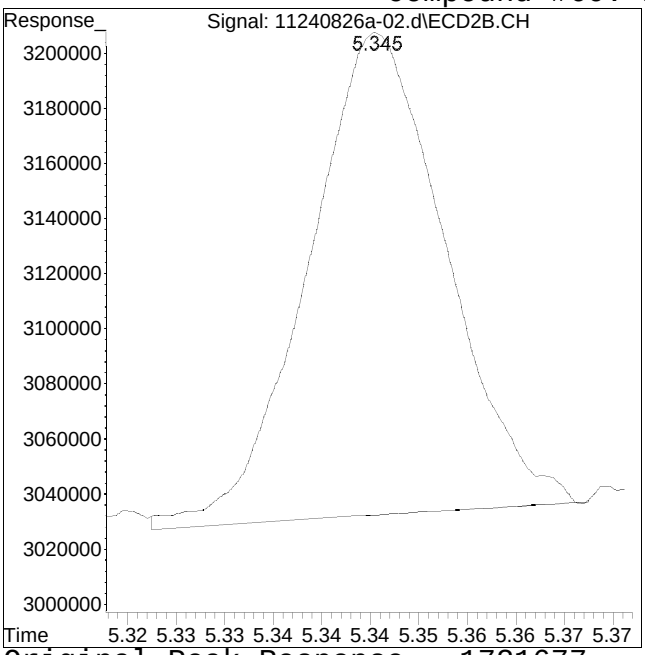
Original Peak Response = 2247328 Manual Peak Response = 1818925 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

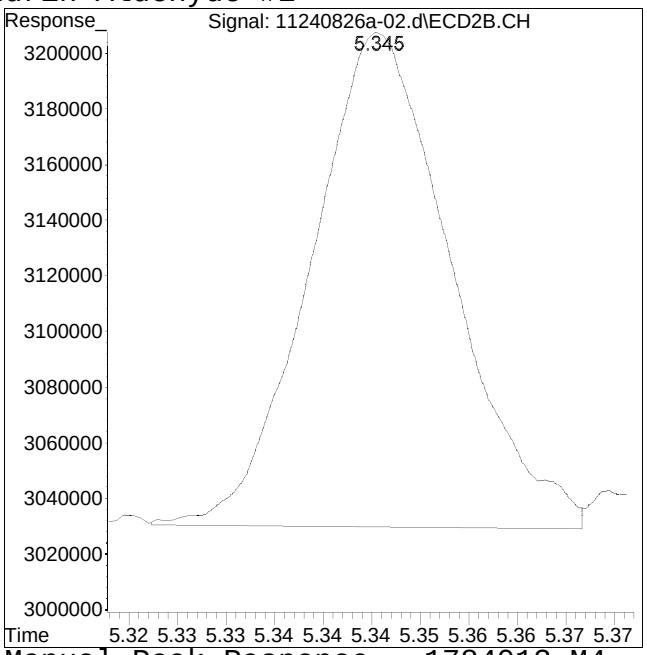
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-02.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 5:50 Instrument : Pest 11
Sample : pem11240826a-01,42,,deg115Quant Date : 8/26/2024 6:39 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 1721677



Manual Peak Response = 1784013 M4

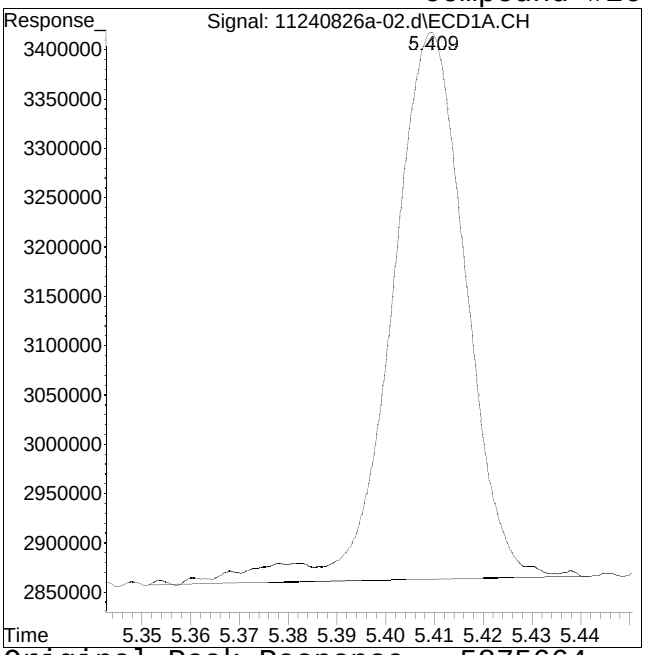
M4 = Poor automated baseline construction.

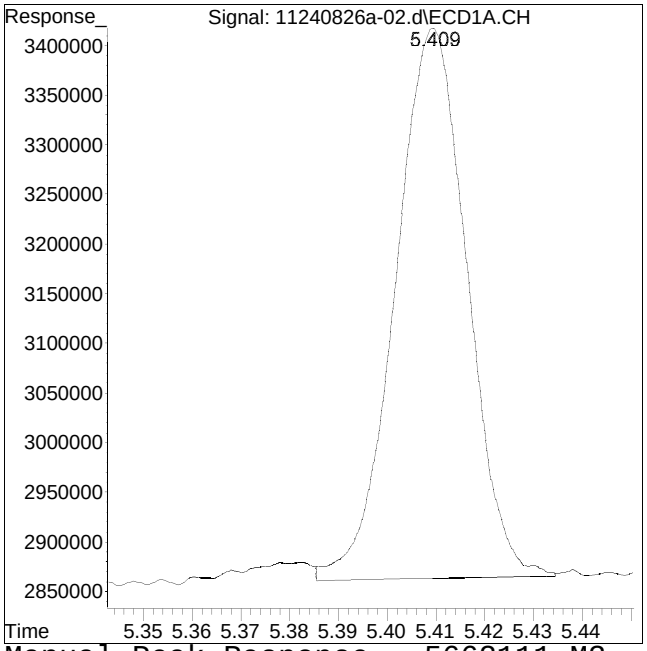
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826Q
Data File : 11240826a-02.d
Date Inj'd : 8/26/2024 5:50
Sample : pem11240826a-01,42,,deg115

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/26/2024 6:39 am

Compound #26: Endrin Ketone





Original Peak Response = 5875664 Manual Peak Response = 5662111 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 6:43
Operator : PEST18:ejl
Sample : pem18240827a-01,42,, deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:35:42 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.665	1.768	643.6E6	381.0E6	25.000M3	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15)	4,4'-DDE	4.189	4.997	1365543	1108219	0.042M3	0.058M4
18)	Endrin	4.734	5.465	1486.2E6	927.0E6	47.739M3	50.803M3
19) D	4,4'-DDD	4.863	5.602	3061156	7140095	0.121M4	0.480M4
21)	4,4'-DDT	5.171	5.889	2672.0E6	1749.0E6	93.760M4	107.229M4
22) D	Endrin Aldeh	5.428	5.980	1033484	2252549	0.043M2	0.164M4
26)	Endrin Keton	6.064	6.636	4925470	3848351	0.157M3	0.226M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 6:43
Operator : PEST18:ejl
Sample : pem18240827a-01,42,, deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:35:42 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

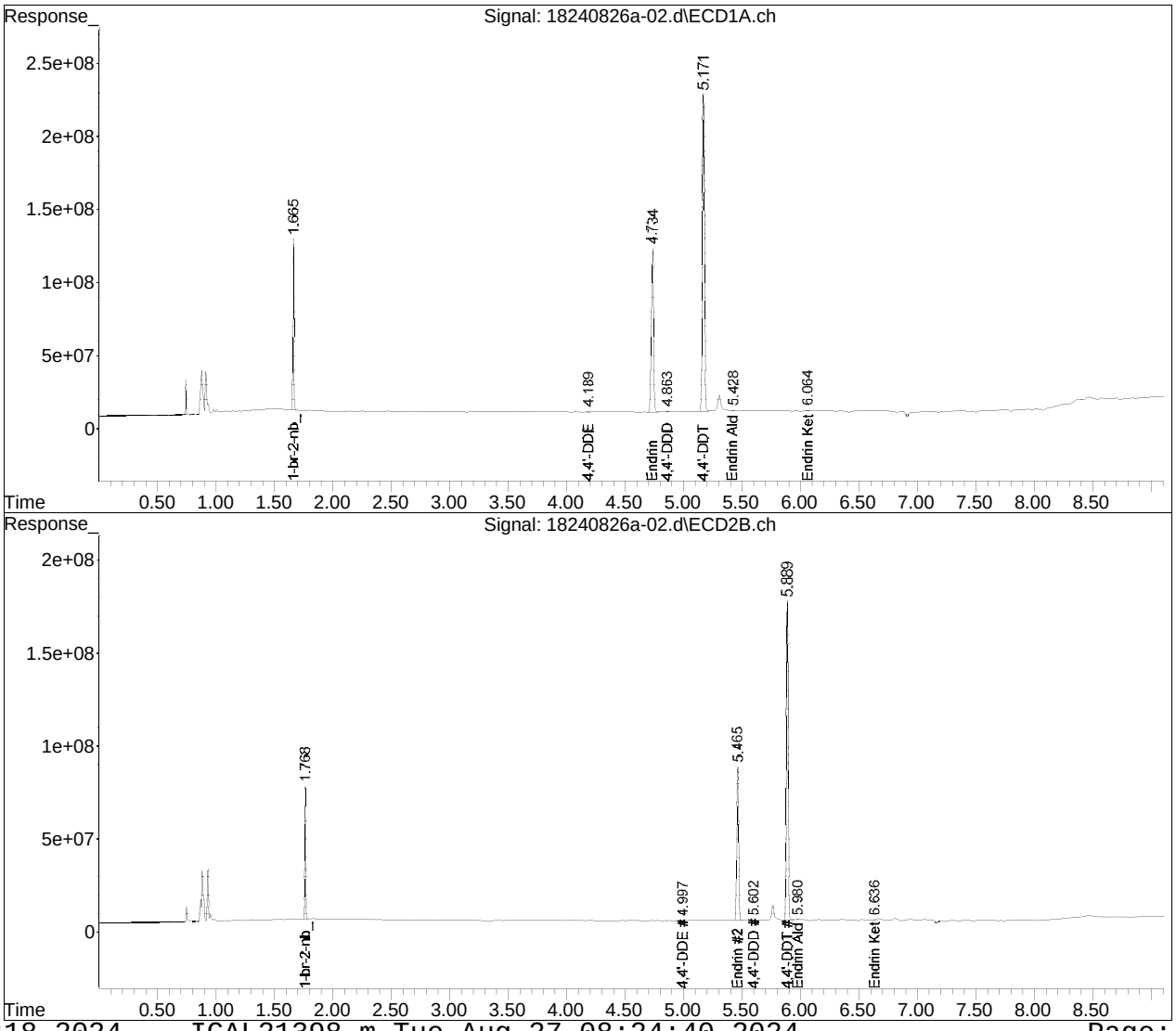
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest18\2024\240826A\
Data File : 18240826a-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 6:43
Operator : PEST18:ejl
Sample : pem18240827a-01,42,, deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1963730,,ical21398
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 07:35:42 2024
Quant Method : I:\PEST\Pest18\2024\240826A\pest18_2024_08_15_ugL_ICAL21398.m
Quant Title : pest
QLast Update : Sun Aug 25 11:39:30 2024
Response via : Initial Calibration
Integrator: ChemStation

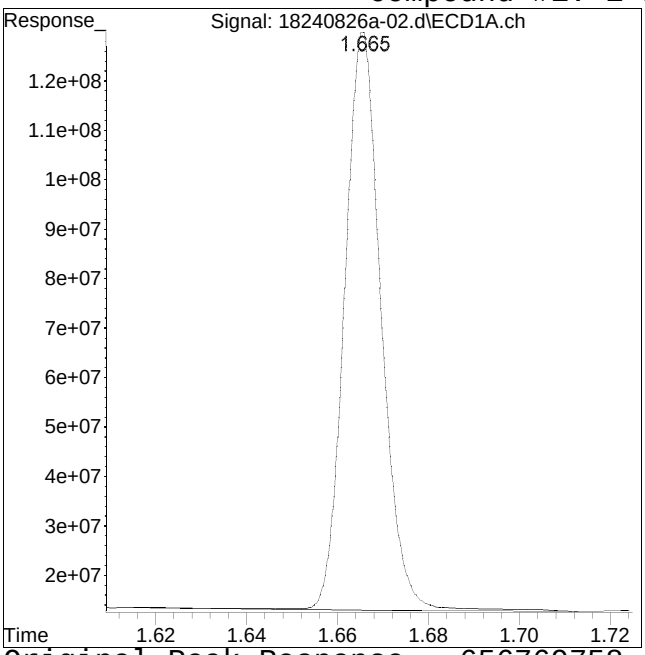
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

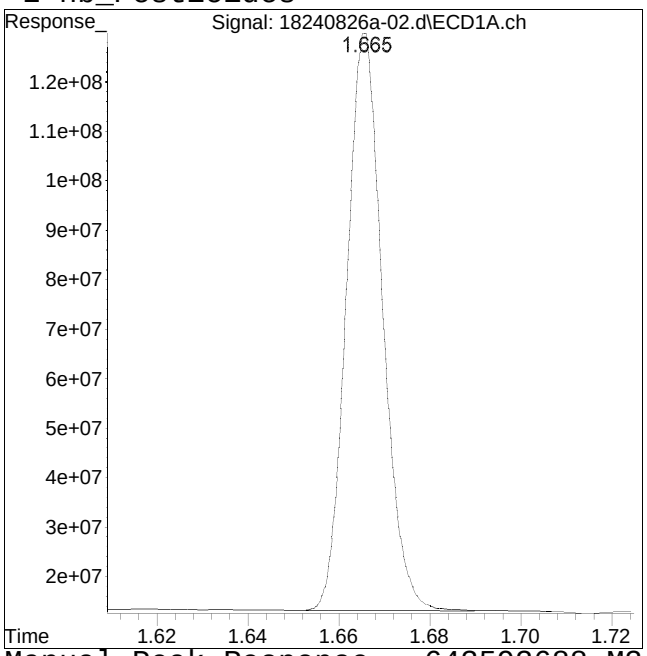


Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-02.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 6:43 Instrument : Pest 18
Sample : pem18240827a-01,42,, deg11Quant Date : 8/26/2024 7:35 am

Compound #1: 1-br-2-nb_Pesticides



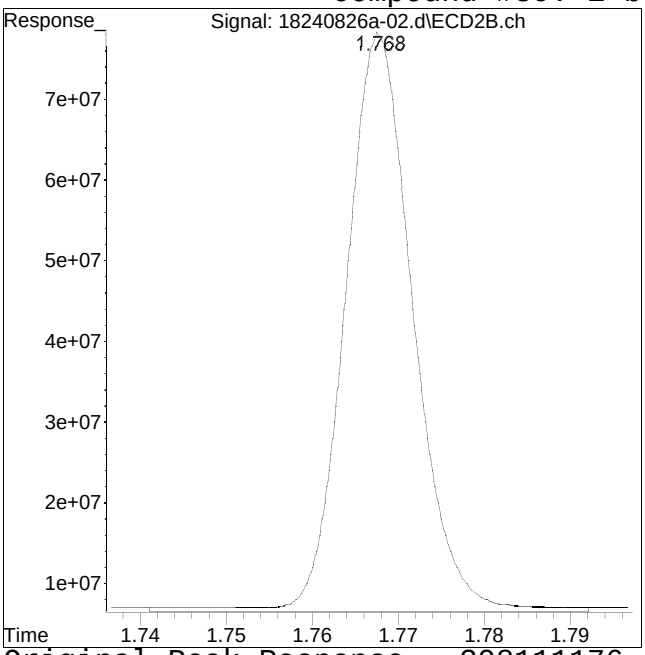


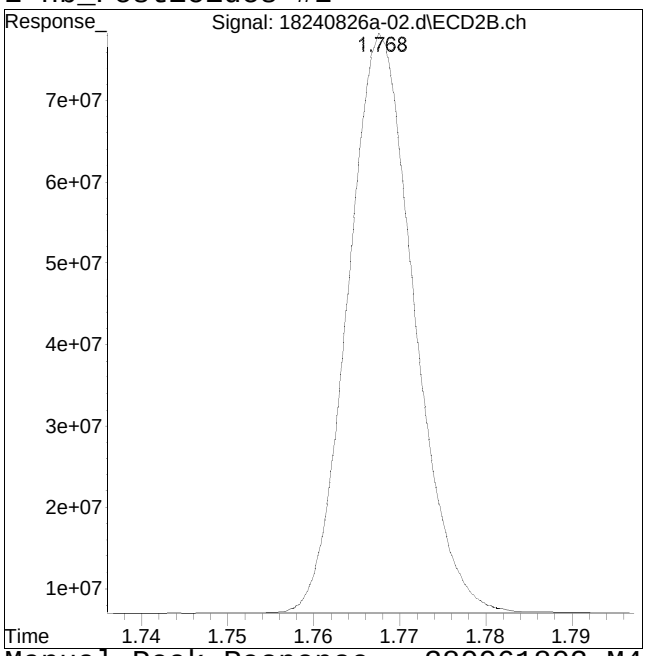
Original Peak Response = 656769758 Manual Peak Response = 643593688 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-02.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 6:43 Instrument : Pest 18
Sample : pem18240827a-01,42,, deg11Quant Date : 8/26/2024 7:35 am

Compound #39: 1-br-2-nb_Pesticides #2





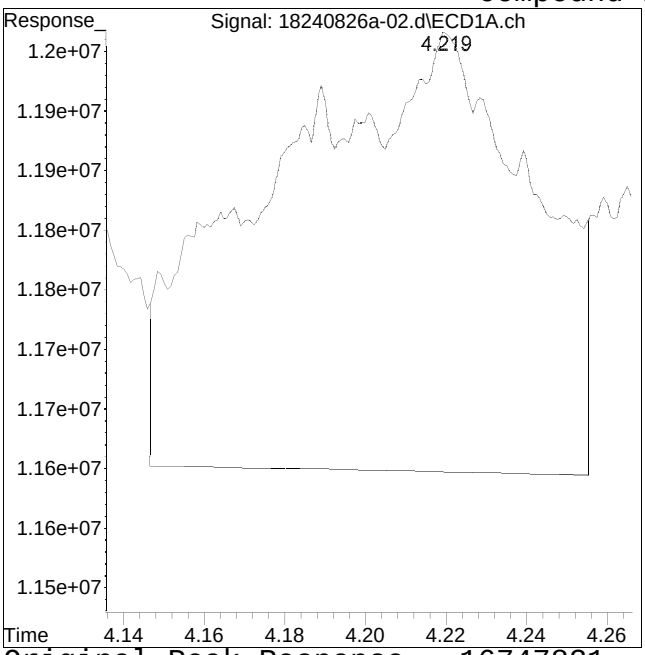
Original Peak Response = 398111176 Manual Peak Response = 380961802 M4
M4 = Poor automated baseline construction.

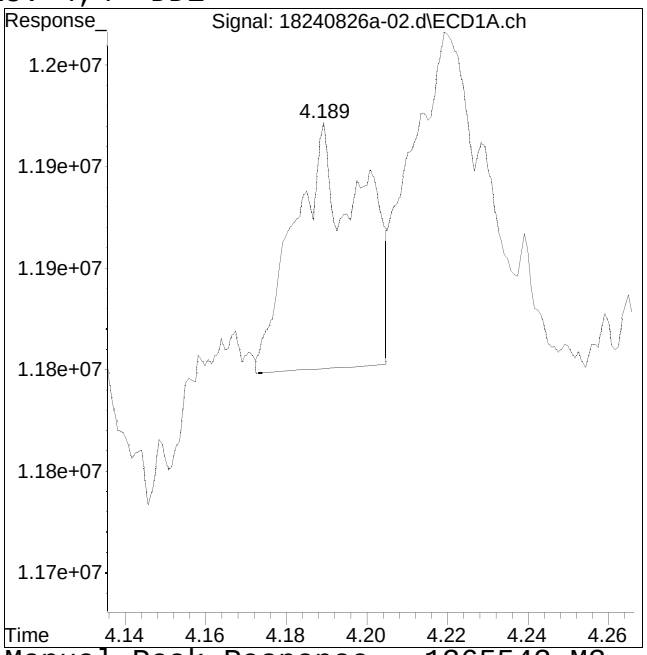
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826Q
Data File : 18240826a-02.d
Date Inj'd : 8/26/2024 6:43
Sample : pem18240827a-01,42,, deg11

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:ejl
Instrument : Pest 18
Quant Date : 8/26/2024 7:35 am

Compound #15: 4,4'-DDE





Original Peak Response = 16747831 Manual Peak Response = 1365543 M3

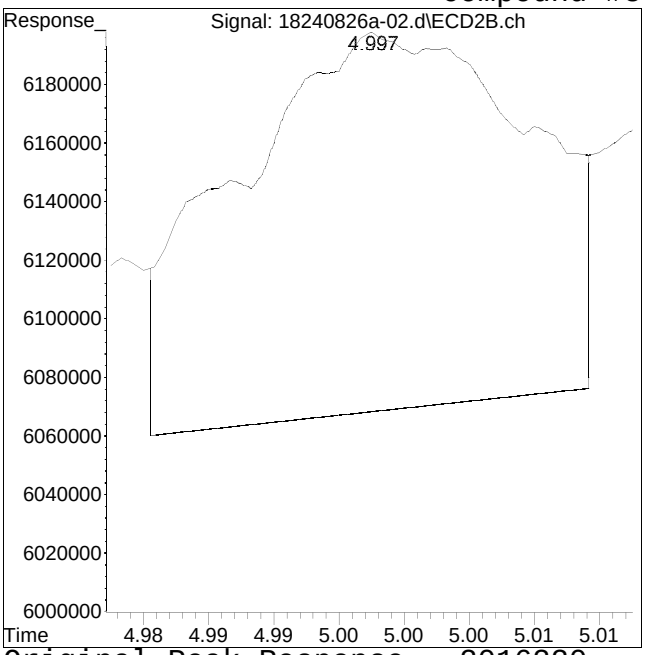
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

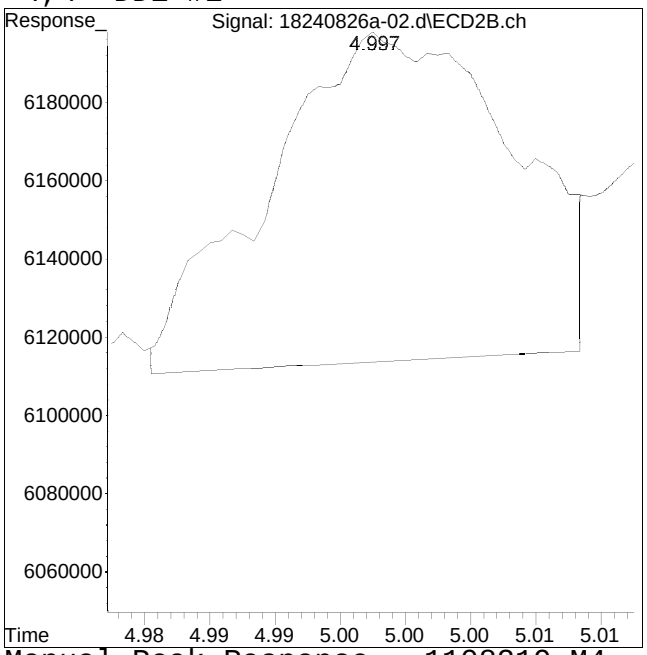
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826Q
Data File : 18240826a-02.d
Date Inj'd : 8/26/2024 6:43
Sample : pem18240827a-01,42,, deg11

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:ejl
Instrument : Pest 18
Quant Date : 8/26/2024 7:35 am

Compound #53: 4,4'-DDE #2



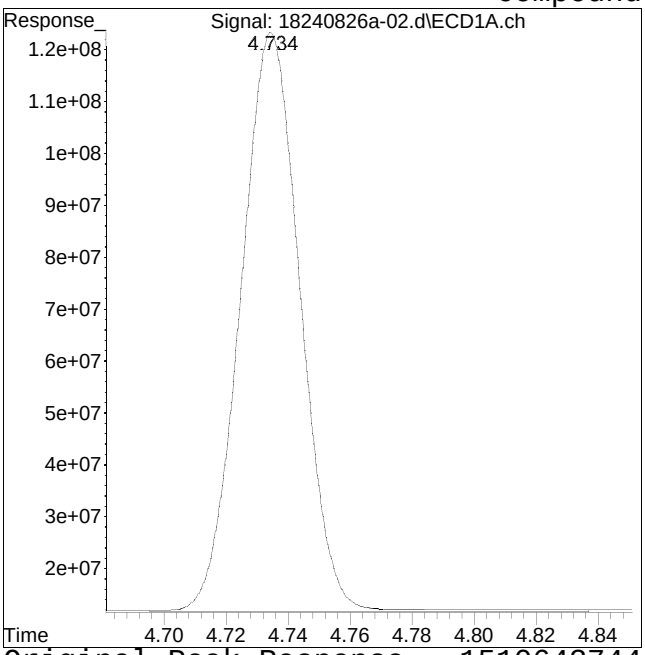


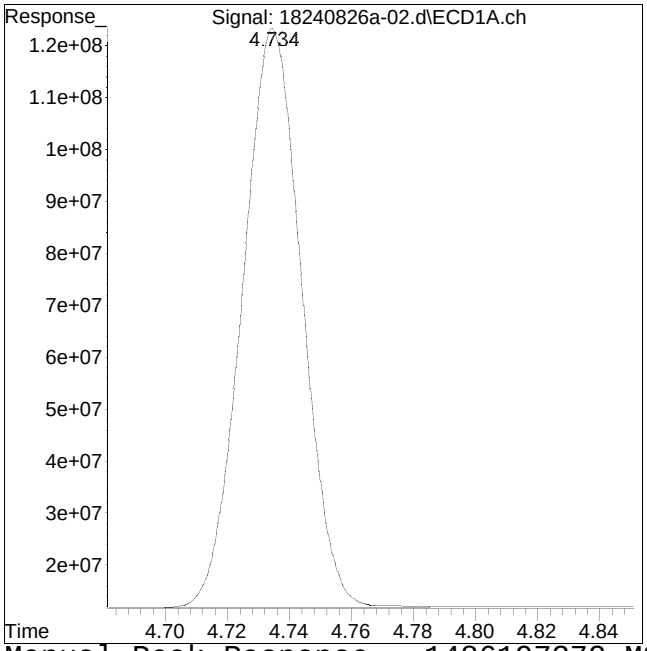
Original Peak Response = 2016220 Manual Peak Response = 1108219 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-02.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 6:43 Instrument : Pest 18
Sample : pem18240827a-01,42,, deg11Quant Date : 8/26/2024 7:35 am

Compound #18: Endrin



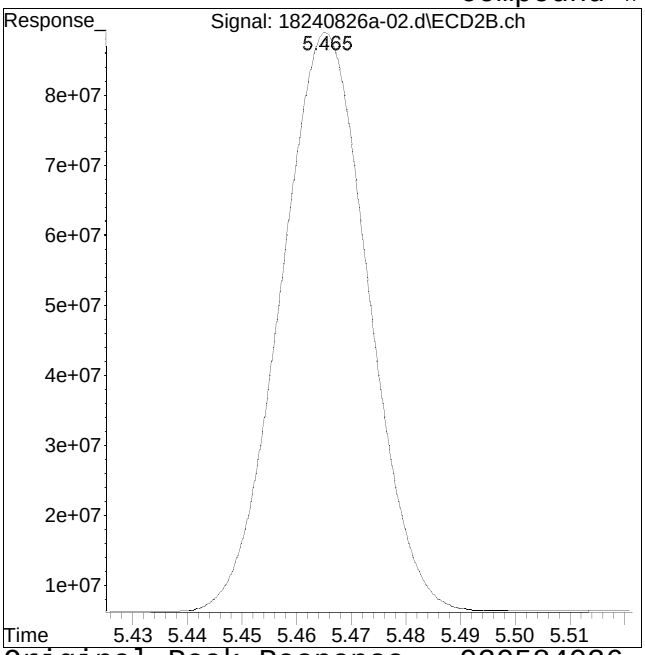


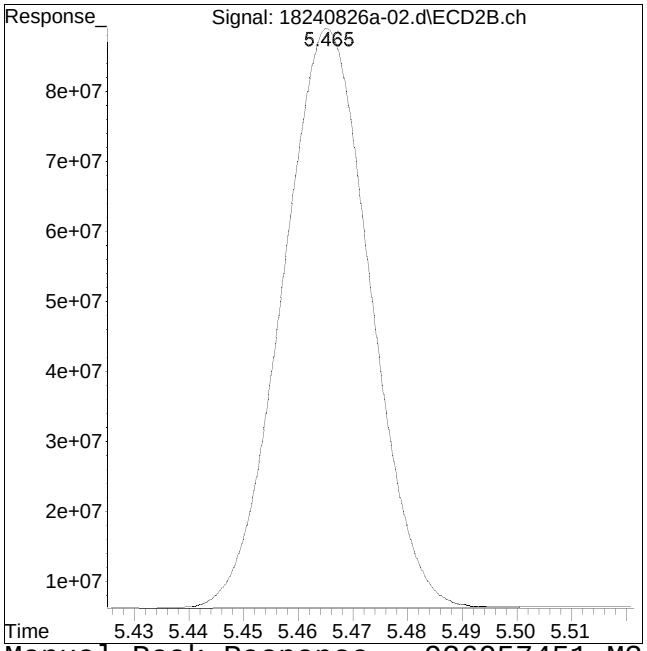
Original Peak Response = 1510643744 Manual Peak Response = 1486197372 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-02.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 6:43 Instrument : Pest 18
Sample : pem18240827a-01,42,, deg11Quant Date : 8/26/2024 7:35 am

Compound #56: Endrin #2



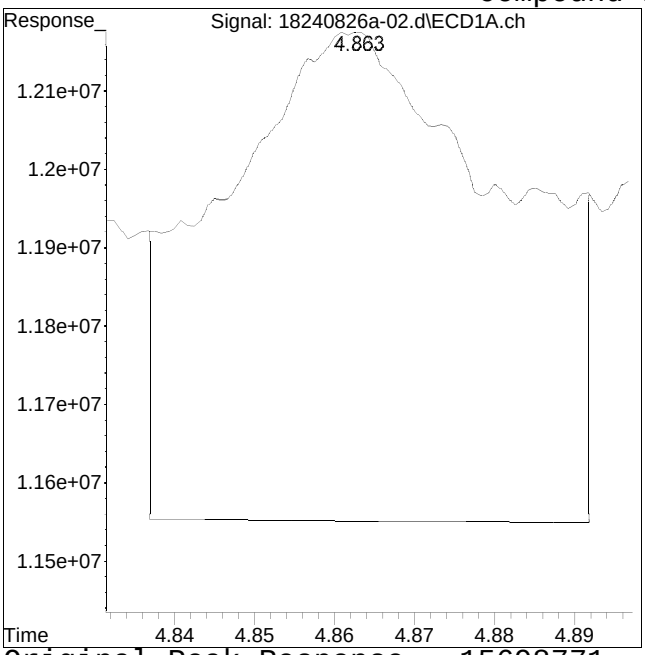


Original Peak Response = 930584936 Manual Peak Response = 926957451 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

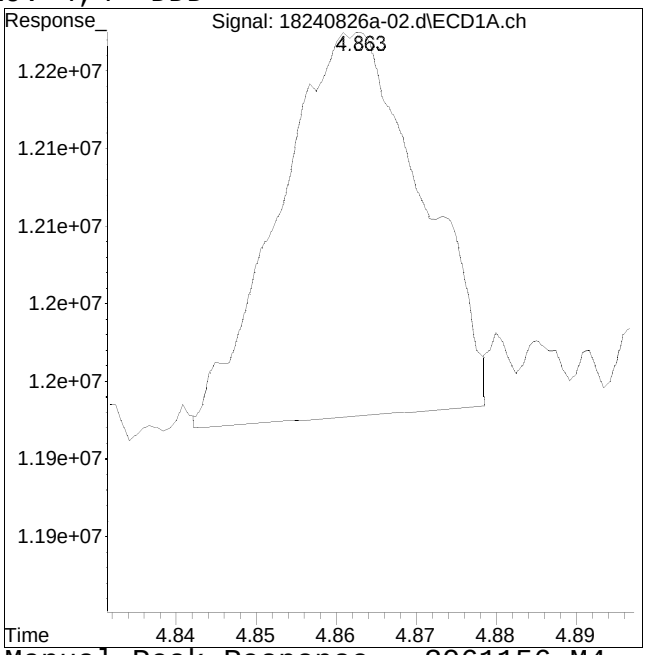
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-02.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 6:43 Instrument : Pest 18
Sample : pem18240827a-01,42,, deg11Quant Date : 8/26/2024 7:35 am

Compound #19: 4,4'-DDD



Original Peak Response = 15698771



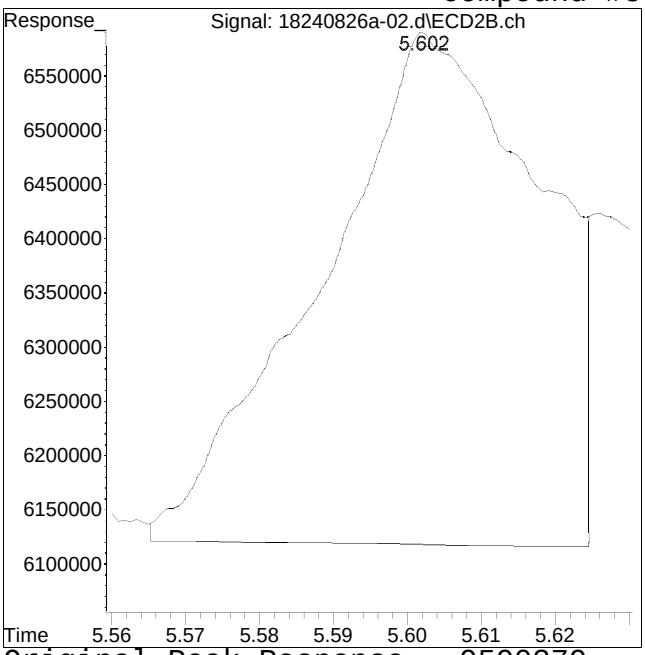
Manual Peak Response = 3061156 M4

M4 = Poor automated baseline construction.

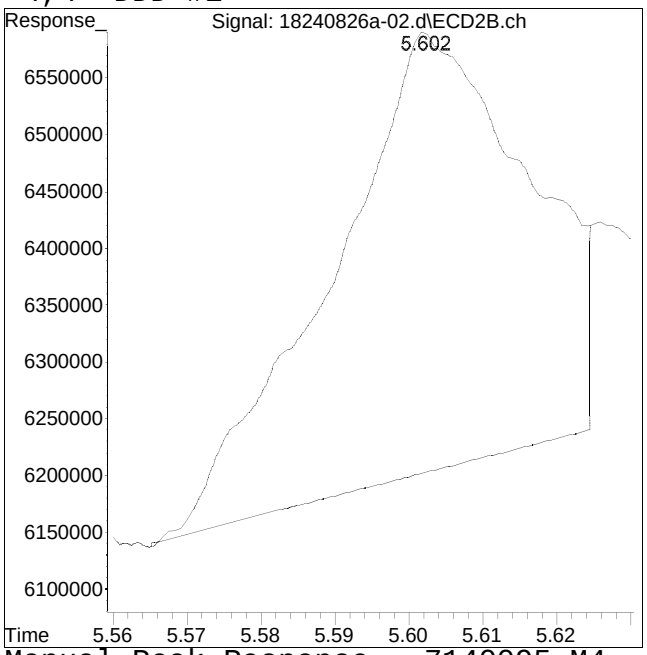
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-02.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 6:43 Instrument : Pest 18
Sample : pem18240827a-01,42,, deg11Quant Date : 8/26/2024 7:35 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 9590379



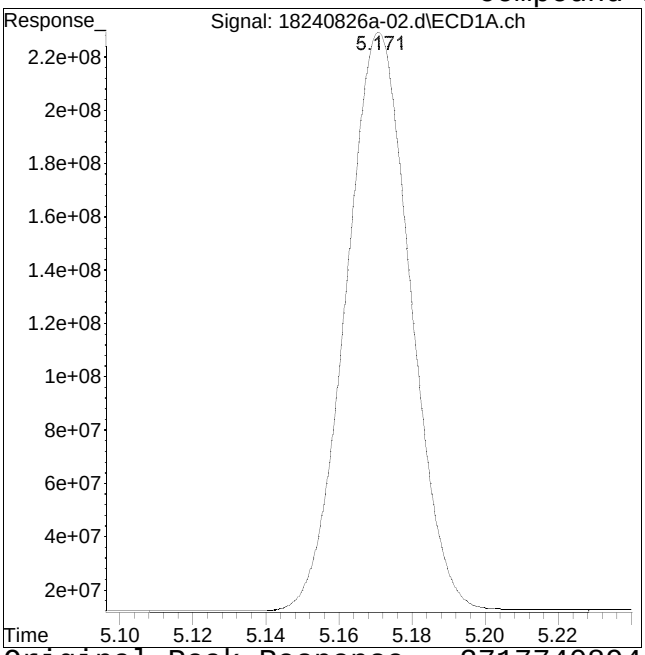
Manual Peak Response = 7140095 M4

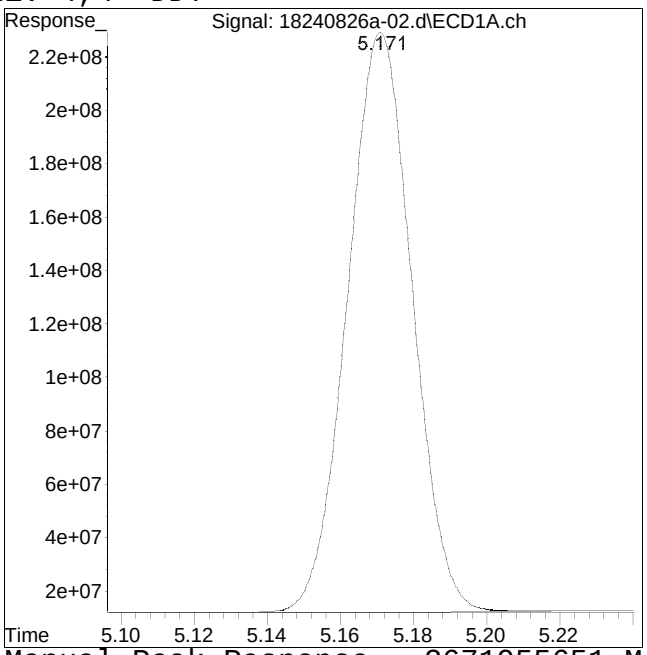
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-02.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 6:43 Instrument : Pest 18
Sample : pem18240827a-01,42,, deg11Quant Date : 8/26/2024 7:35 am

Compound #21: 4,4'-DDT



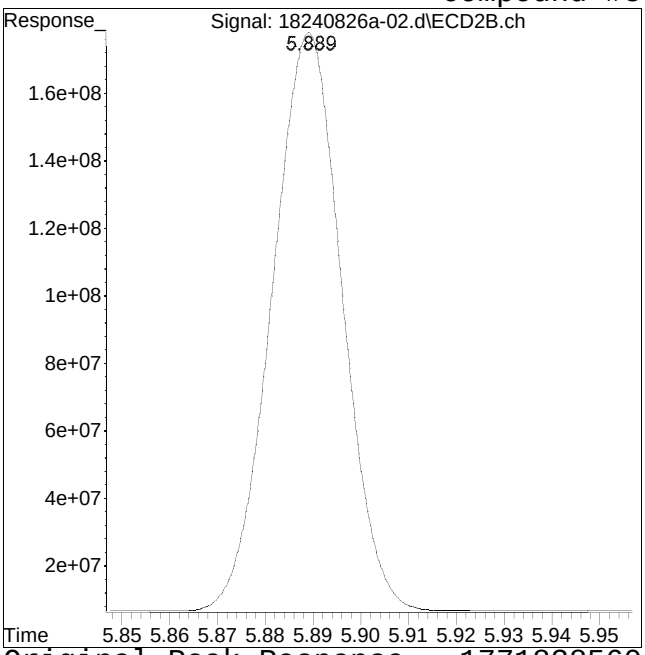


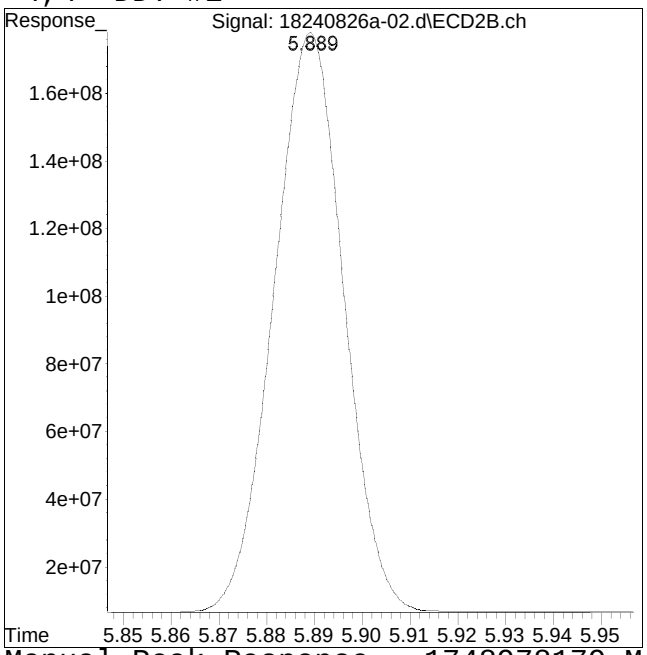
Original Peak Response = 2717740894 Manual Peak Response = 2671955651 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-02.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 6:43 Instrument : Pest 18
Sample : pem18240827a-01,42,, deg11Quant Date : 8/26/2024 7:35 am

Compound #59: 4,4'-DDT #2





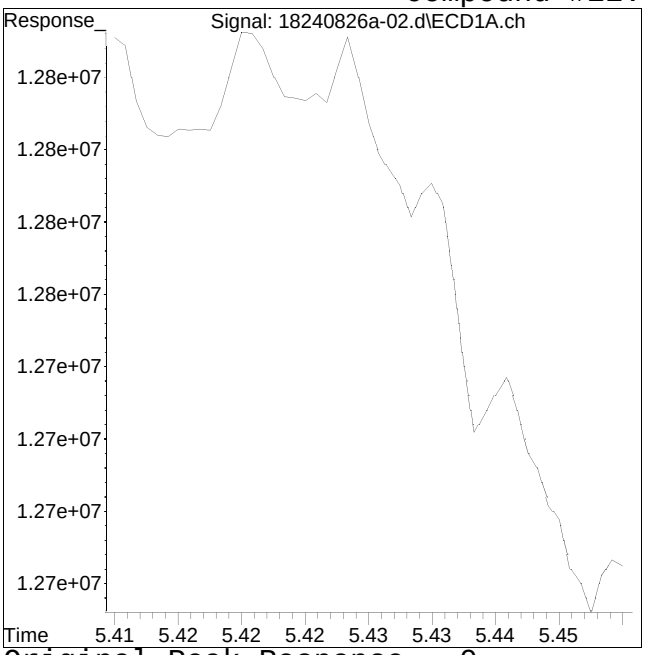
Original Peak Response = 1771838560 Manual Peak Response = 1748978179 M4
M4 = Poor automated baseline construction.

Manual Integration Report

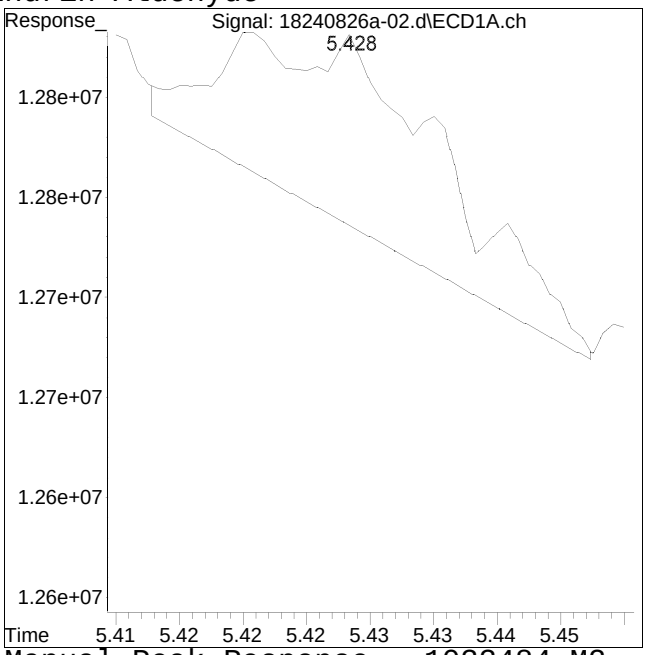
Data Path : I:\PEST\Pest18\2024\240826Q
Data File : 18240826a-02.d
Date Inj'd : 8/26/2024 6:43
Sample : pem18240827a-01,42,, deg11

Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:ejl
Instrument : Pest 18
Quant Date : 8/26/2024 7:35 am

Compound #22: Endrin Aldehyde



Original Peak Response = 0



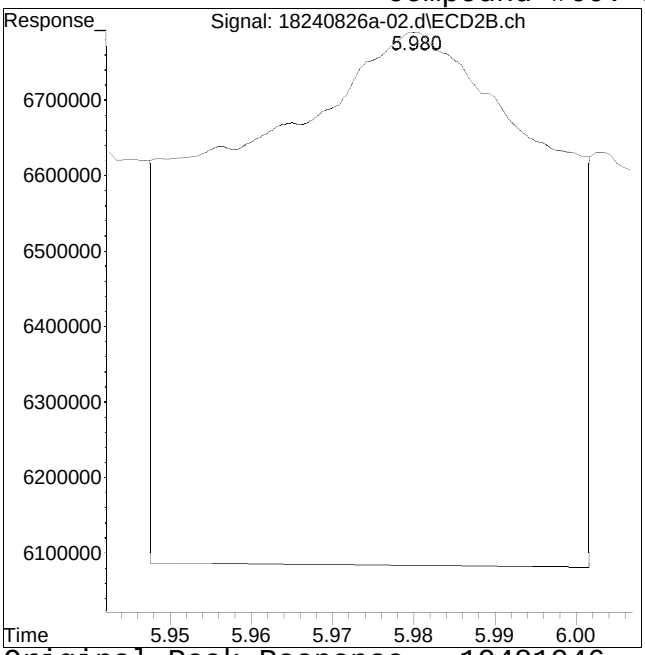
Manual Peak Response = 1033484 M2

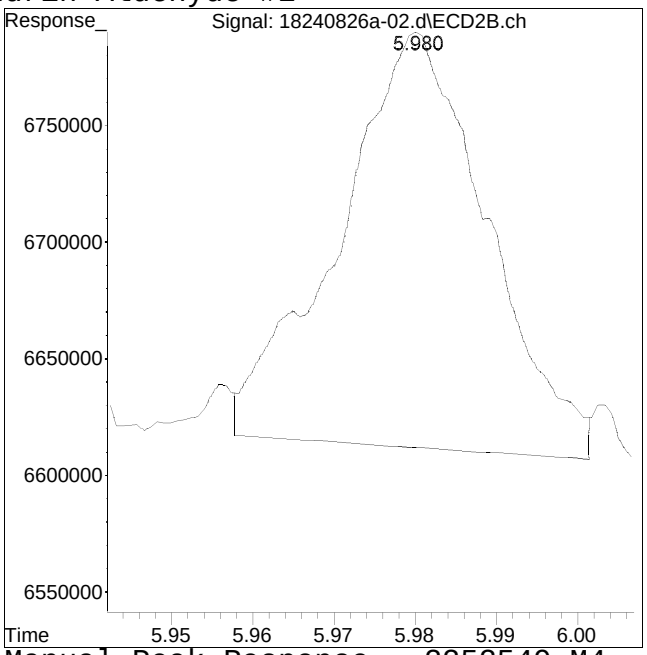
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826Q
Data File : 18240826a-02.d
Date Inj'd : 8/26/2024 6:43
Sample : pem18240827a-01,42,, deg11
Method : pest18_2024_08_15_ugL_IC
Operator : PEST18:ejl
Instrument : Pest 18
Quant Date : 8/26/2024 7:35 am

Compound #60: Endrin Aldehyde #2



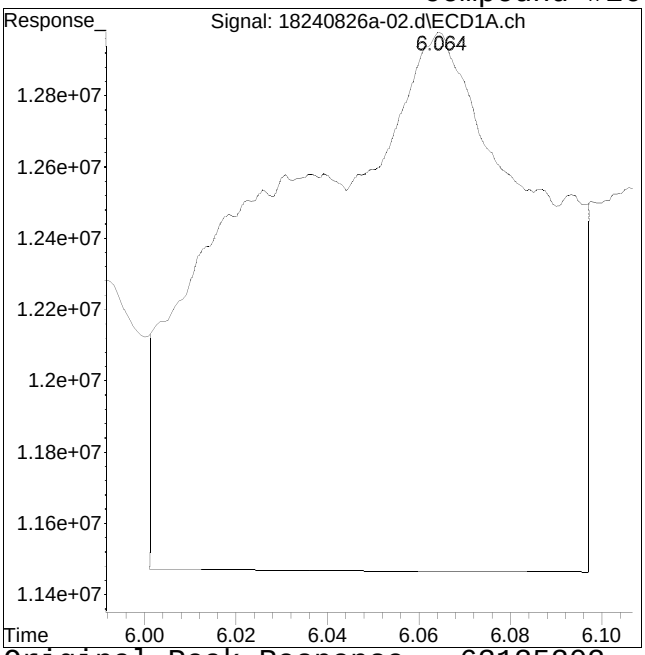


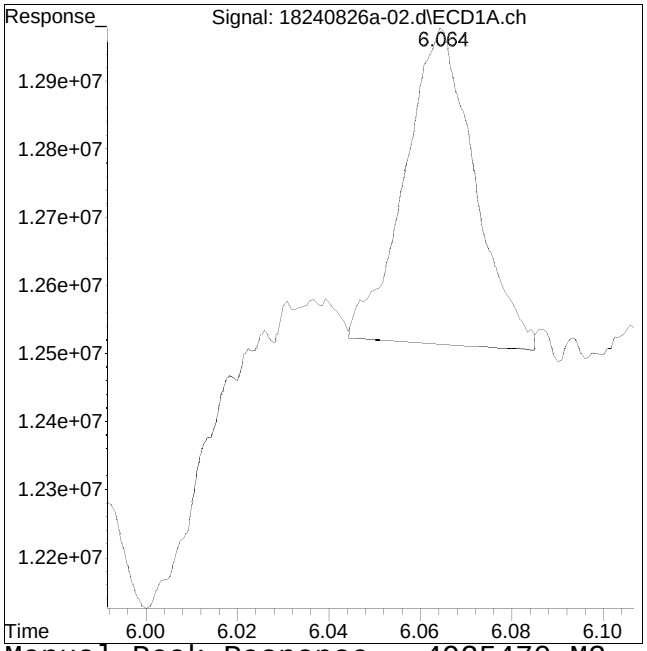
Original Peak Response = 19481946 Manual Peak Response = 2252549 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-02.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 6:43 Instrument : Pest 18
Sample : pem18240827a-01,42,, deg11Quant Date : 8/26/2024 7:35 am

Compound #26: Endrin Ketone



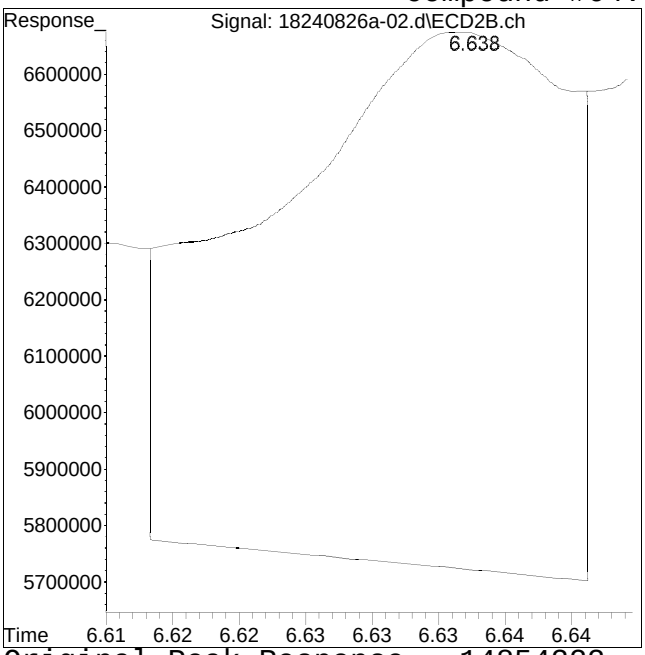


Original Peak Response = 63135202 Manual Peak Response = 4925470 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

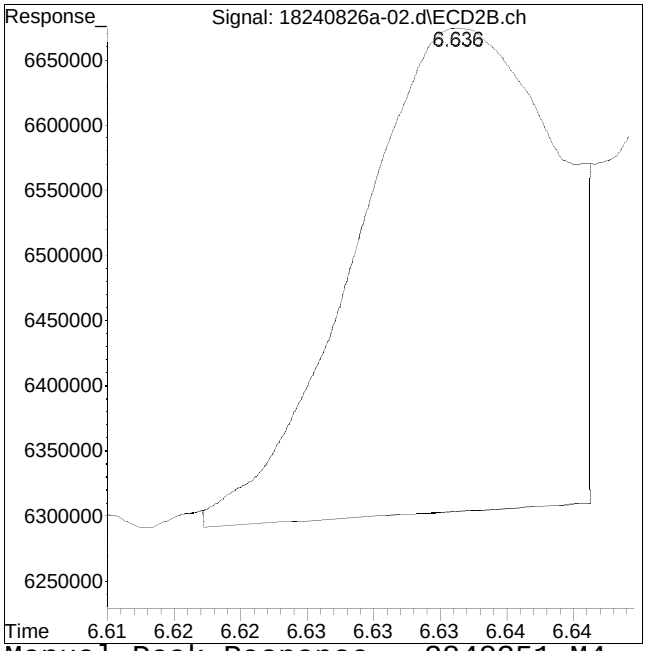
Manual Integration Report

Data Path : I:\PEST\Pest18\2024\240826QMethod : pest18_2024_08_15_ugL_IC
Data File : 18240826a-02.d Operator : PEST18:ejl
Date Inj'd : 8/26/2024 6:43 Instrument : Pest 18
Sample : pem18240827a-01,42,, deg11Quant Date : 8/26/2024 7:35 am

Compound #64: Endrin Ketone #2



Original Peak Response = 14854222



Manual Peak Response = 3848351 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 07:34
Operator : pest20:ejl
Sample : pem20240826a-01,42,,deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:36:08 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.855	1.915	59601534	102.6E6	25.000M4	25.000
	System Monitoring Compounds						
	Target Compounds						
15)	4,4'-DDE	4.609	5.319	259634	369867	0.082M2	0.076
18)	Endrin	5.178	5.764	150.8E6	236.4E6	48.947	48.584
19)	4,4'-DDD	5.278	5.882	788043	1255662	0.304M2	0.312
21)	4,4'-DDT	5.558	6.155	277.1E6	426.8E6	110.574M3	93.710M3
22)	Endrin Aldeh	5.815	6.254	206879	245056	N.D. M2	N.D.
26)	Endrin Keton	6.424	6.892	871713	1410721	0.287M4	0.288M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 07:34
Operator : pest20:ejl
Sample : pem20240826a-01,42,,deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:36:08 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

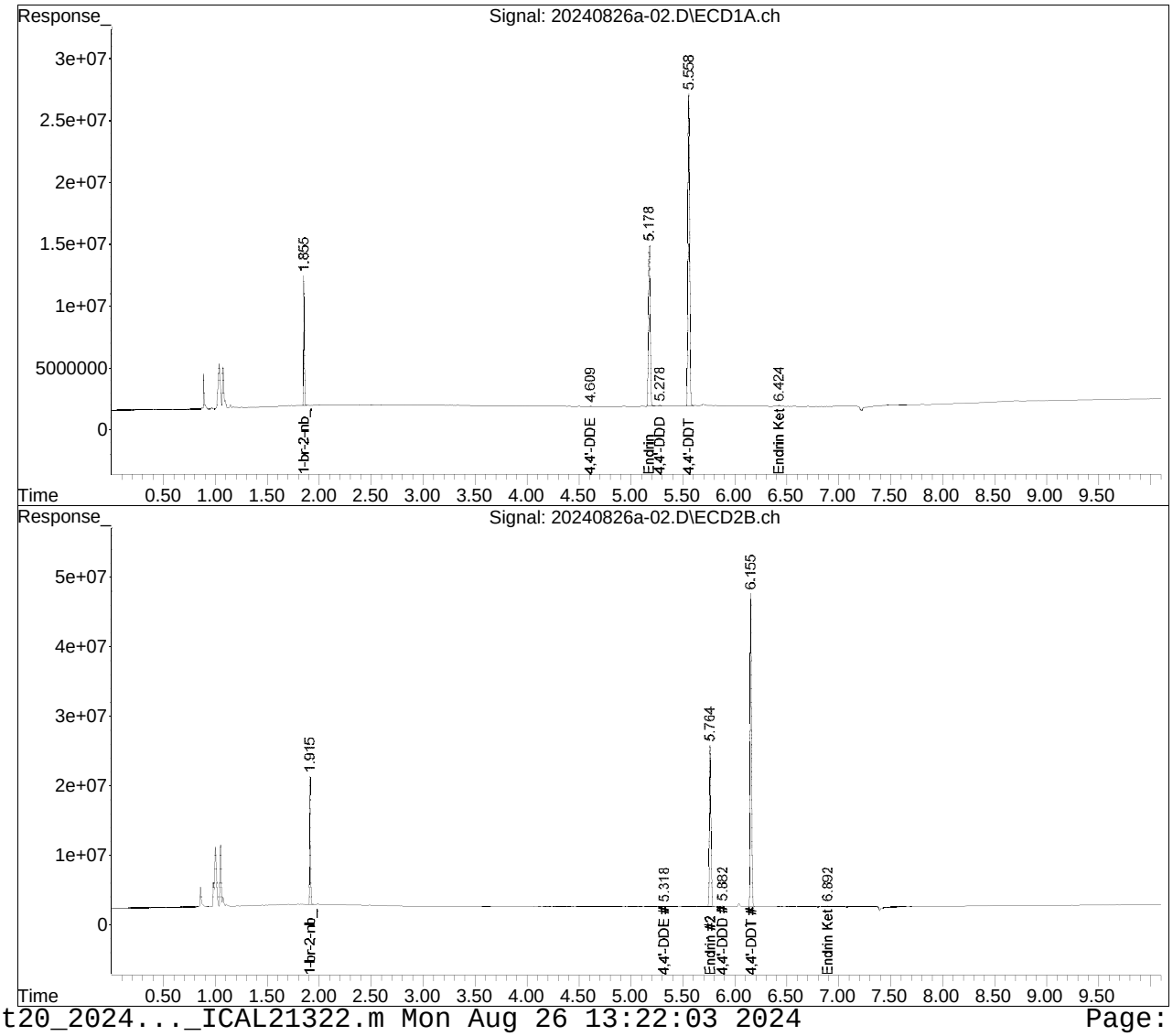
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest20\2024\240826a\
Data File : 20240826a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2024 07:34
Operator : pest20:ejl
Sample : pem20240826a-01,42,,deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1963797,,ical21322
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 08:36:08 2024
Quant Method : I:\PEST\Pest20\2024\240826a\pest20_2024_07_22_ugL_ICAL21322.m
Quant Title : pest
QLast Update : Sun Aug 25 11:37:04 2024
Response via : Initial Calibration
Integrator: ChemStation

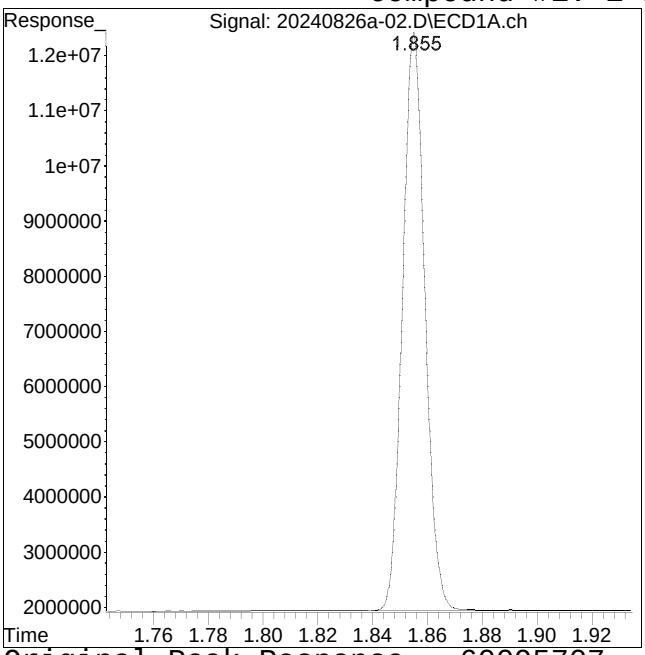
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



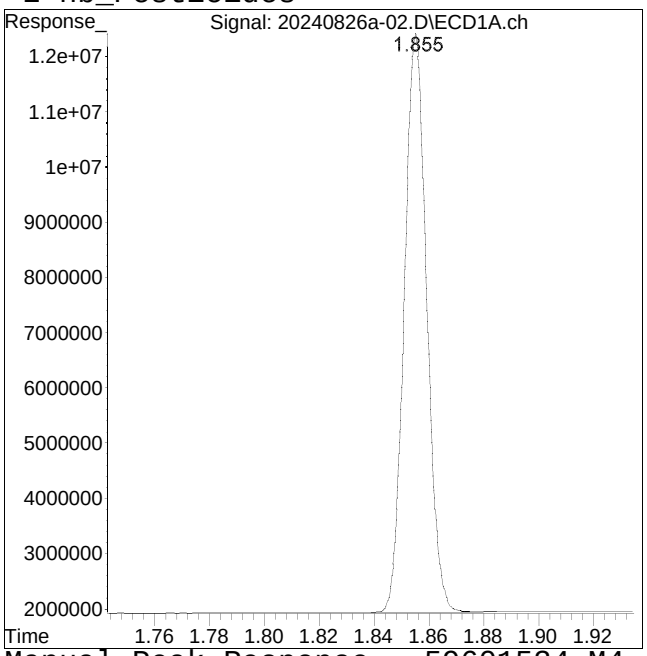
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826Q
Data File : 20240826a-02.D
Date Inj'd : 8/26/2024 7:34
Sample : pem20240826a-01,42,,deg115
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 8/26/2024 8:36 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 60095707



Manual Peak Response = 59601534 M4

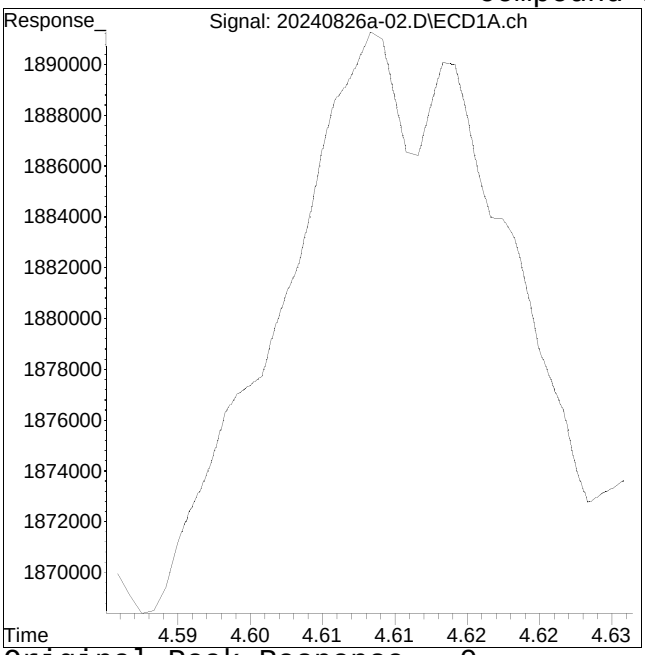
M4 = Poor automated baseline construction.

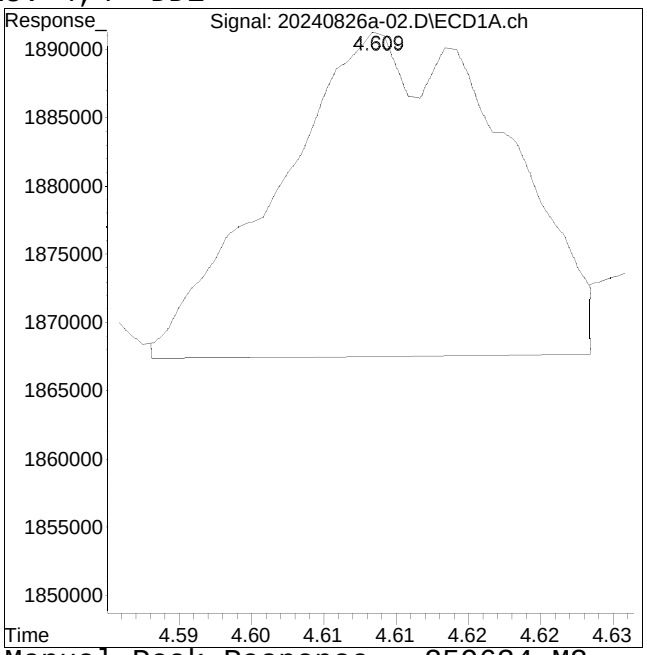
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826Q
Data File : 20240826a-02.D
Date Inj'd : 8/26/2024 7:34
Sample : pem20240826a-01,42,,deg115

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 8/26/2024 8:36 am

Compound #15: 4,4'-DDE





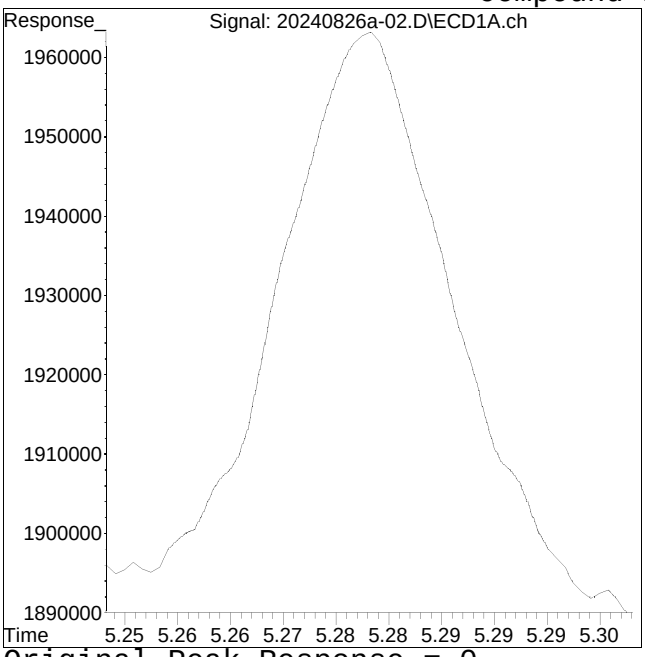
Original Peak Response = 0
Manual Peak Response = 259634 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

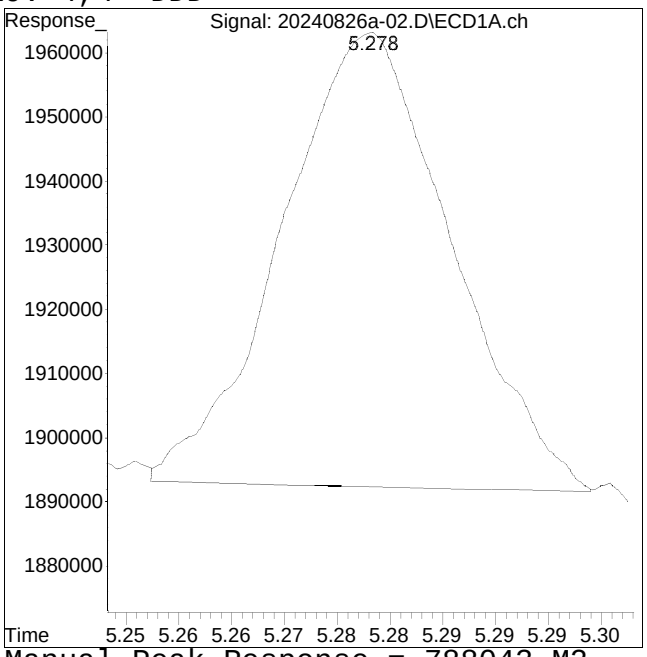
Data Path : I:\PEST\Pest20\2024\240826Q
Data File : 20240826a-02.D
Date Inj'd : 8/26/2024 7:34
Sample : pem20240826a-01,42,,deg115

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 8/26/2024 8:36 am

Compound #19: 4,4'-DDD



Original Peak Response = 0



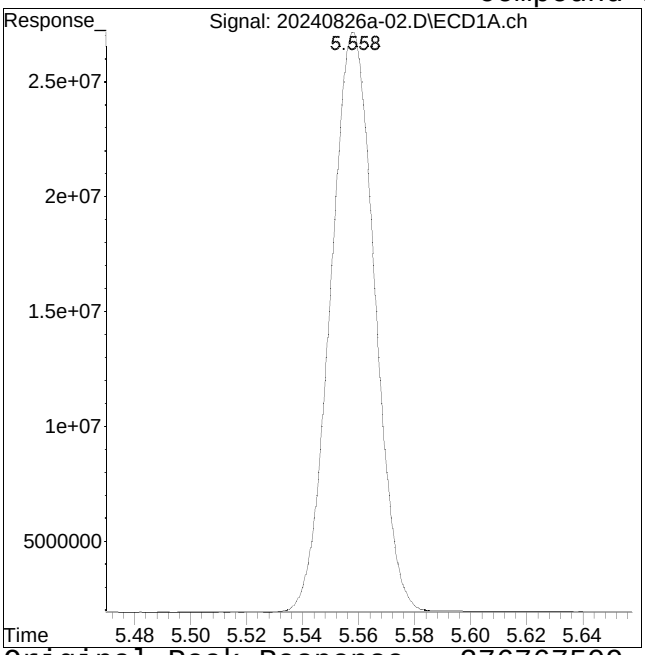
Manual Peak Response = 788043 M2

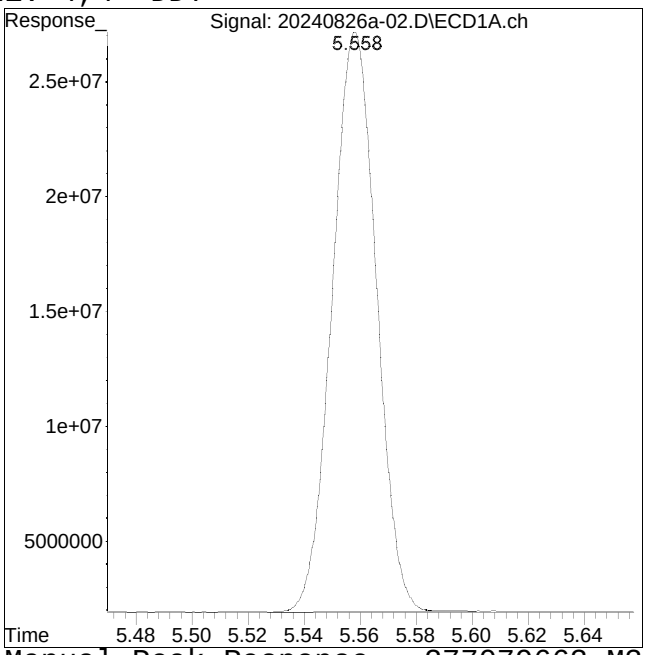
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-02.D Operator : pest20:ejl
Date Inj'd : 8/26/2024 7:34 Instrument : PEST 20
Sample : pem20240826a-01,42,,deg115Quant Date : 8/26/2024 8:36 am

Compound #21: 4,4'-DDT



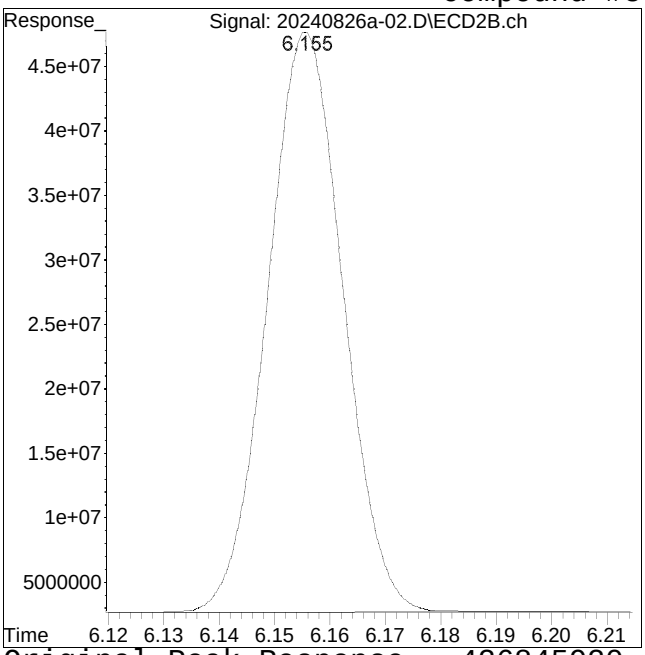


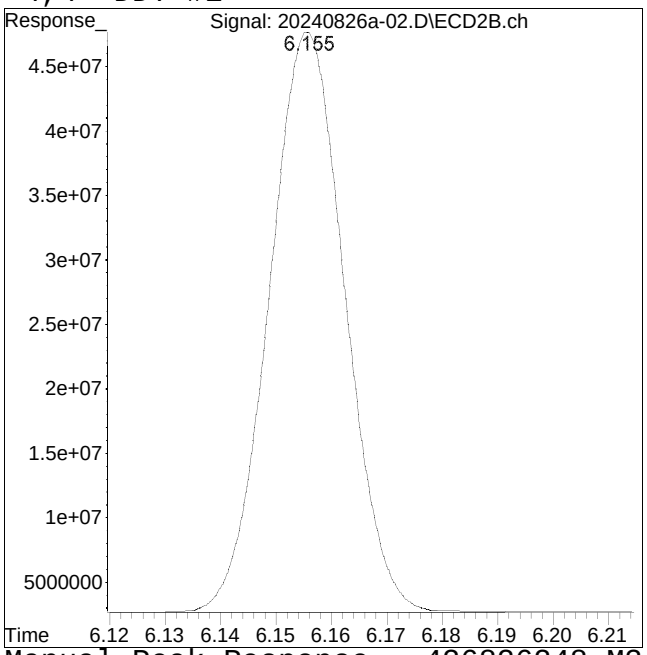
Original Peak Response = 276767509 Manual Peak Response = 277079663 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826QMethod : pest20_2024_07_22_ugL_IC
Data File : 20240826a-02.D Operator : pest20:ejl
Date Inj'd : 8/26/2024 7:34 Instrument : PEST 20
Sample : pem20240826a-01,42,,deg115Quant Date : 8/26/2024 8:36 am

Compound #59: 4,4'-DDT #2





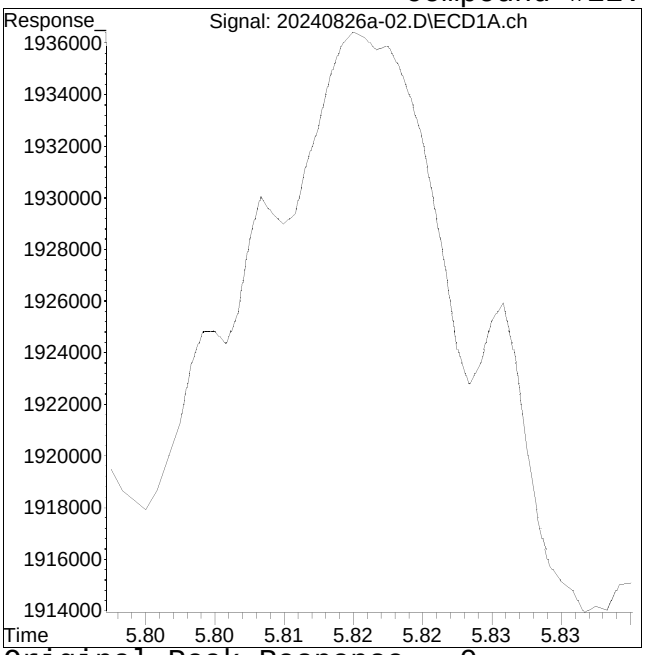
Original Peak Response = 426845920 Manual Peak Response = 426826248 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

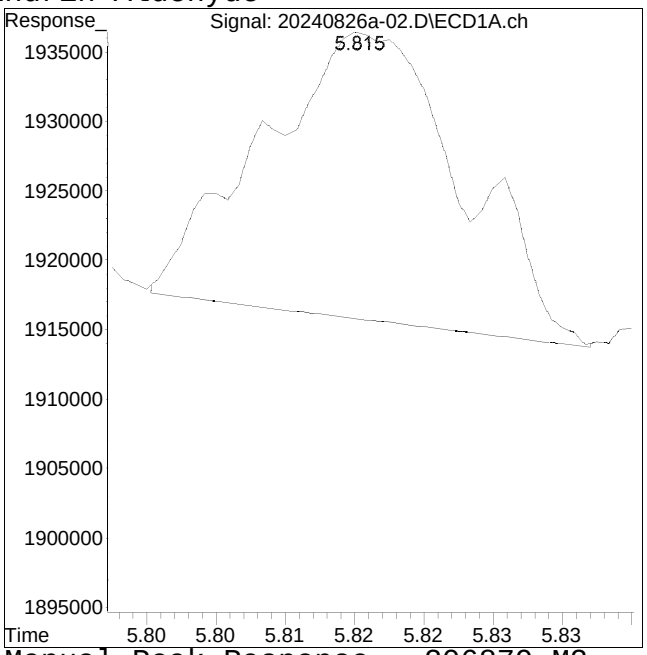
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826Q
Data File : 20240826a-02.D
Date Inj'd : 8/26/2024 7:34
Sample : pem20240826a-01,42,,deg115

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 8/26/2024 8:36 am

Compound #22: Endrin Aldehyde





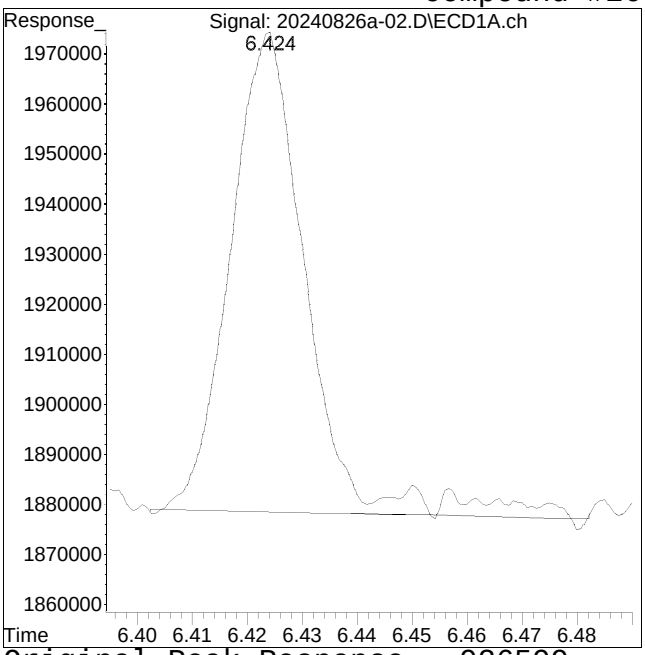
Original Peak Response = 0
Manual Peak Response = 206879 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

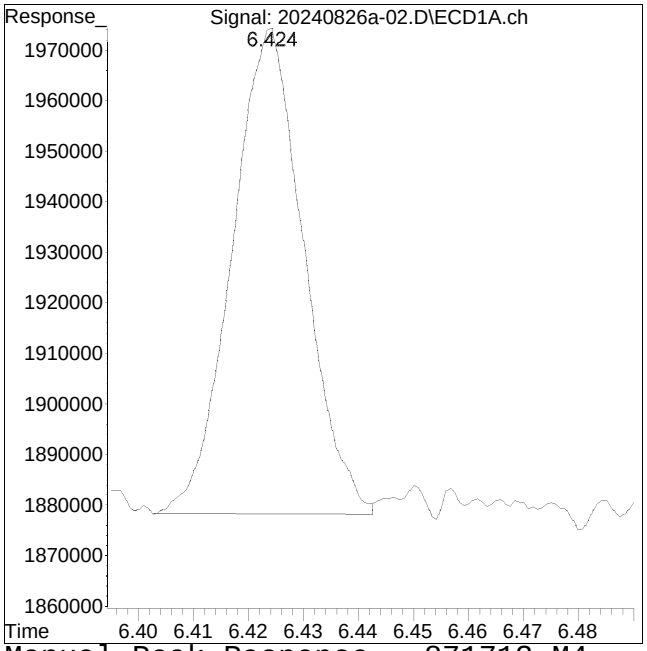
Data Path : I:\PEST\Pest20\2024\240826Q
Data File : 20240826a-02.D
Date Inj'd : 8/26/2024 7:34
Sample : pem20240826a-01,42,,deg115

Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 8/26/2024 8:36 am

Compound #26: Endrin Ketone



Original Peak Response = 926599



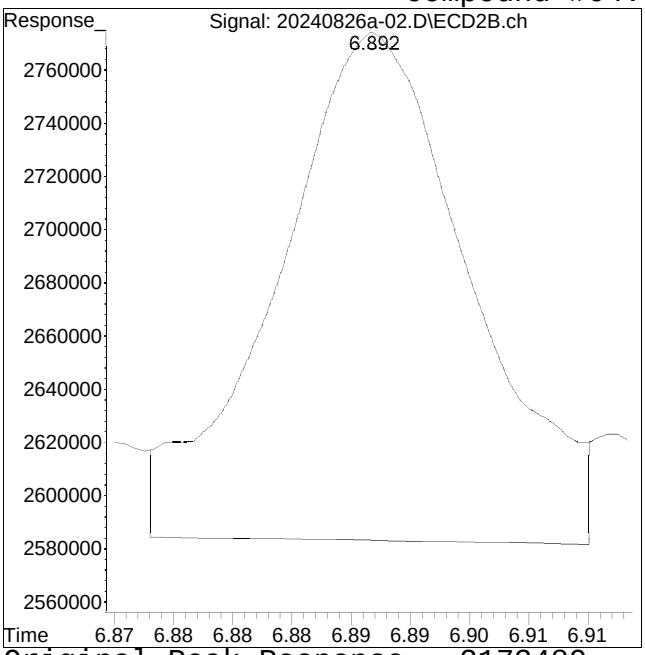
Manual Peak Response = 871713 M4

M4 = Poor automated baseline construction.

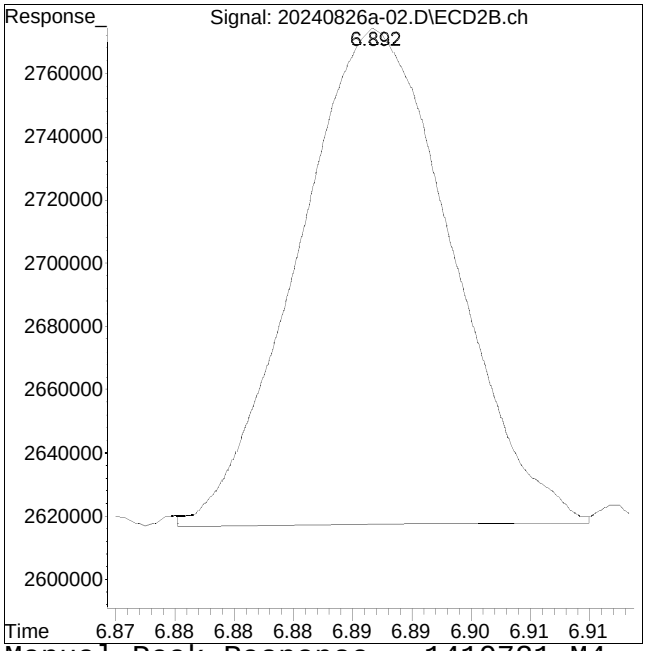
Manual Integration Report

Data Path : I:\PEST\Pest20\2024\240826Q
Data File : 20240826a-02.D
Date Inj'd : 8/26/2024 7:34
Sample : pem20240826a-01,42,,deg115
Method : pest20_2024_07_22_ugL_IC
Operator : pest20:ejl
Instrument : PEST 20
Quant Date : 8/26/2024 8:36 am

Compound #64: Endrin Ketone #2



Original Peak Response = 2173489



Manual Peak Response = 1410721 M4

M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**

No Detections Found

Pesticides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 8:50
Operator : PEST11:ejl
Sample : WG1963569-1,42,, 570
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:07 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.263	1.339	301.3E6	190.2E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 226873788				Recovery = 132.79%		
	Standard Area 1 : #2 = 173865216				Recovery = 109.42%		
28) i	1-br-2-nb_Ch	1.263	1.339	301.3E6	190.2E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	1.263	1.339	301.3E6	190.2E6	25.000M3	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.601	1.802	430.8E6	262.5E6	34.408M3	30.969M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 68.82%		61.94%
27) s	Decachlorobi	6.229	6.870	407.6E6	216.7E6	29.088M4	26.867M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 58.18%		53.73%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 8:50
Operator : PEST11:ejl
Sample : WG1963569-1,42,, 570
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:07 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

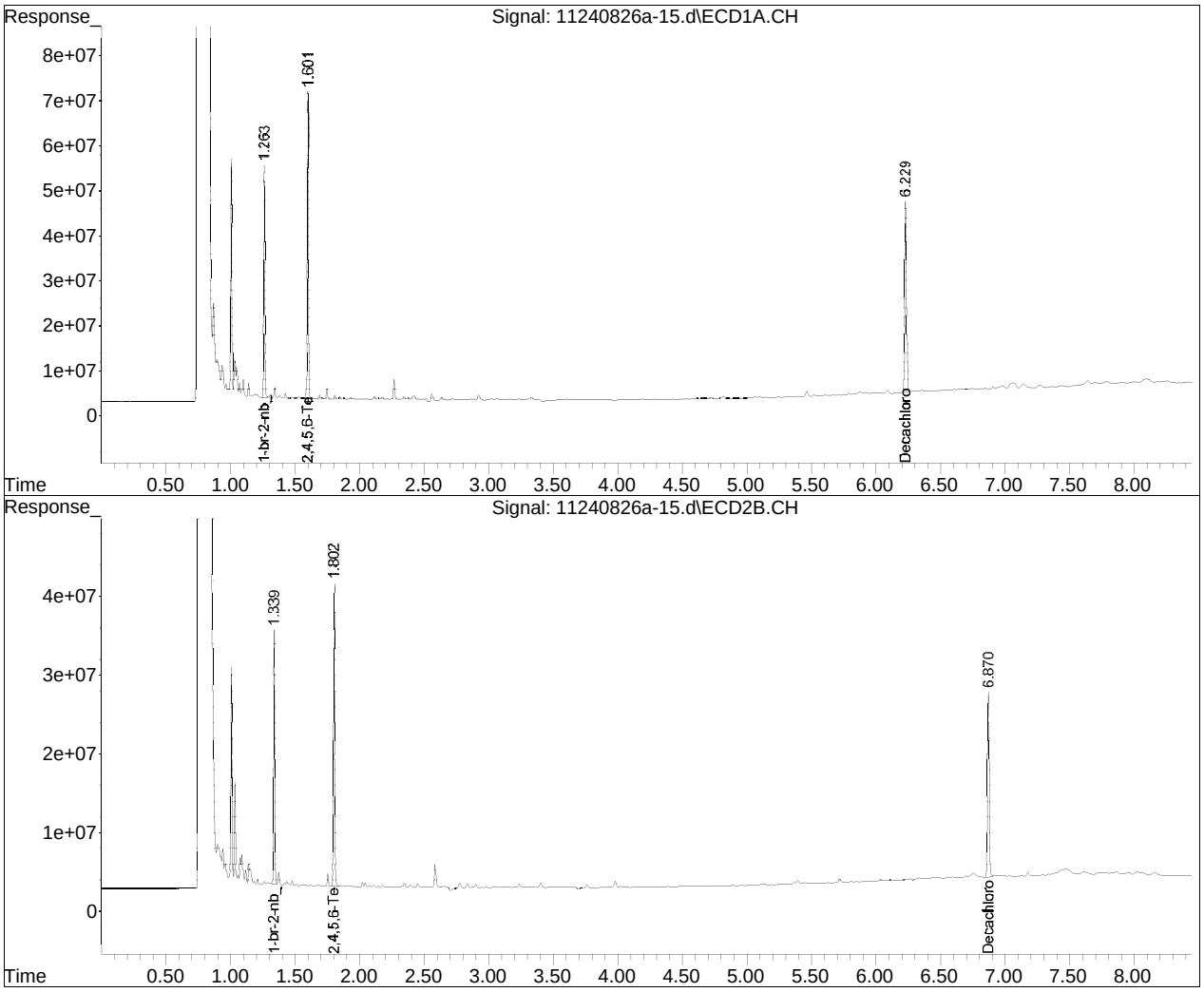
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240826a-03.d•

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 8:50
Operator : PEST11:ejl
Sample : WG1963569-1,42,, 570
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:07 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

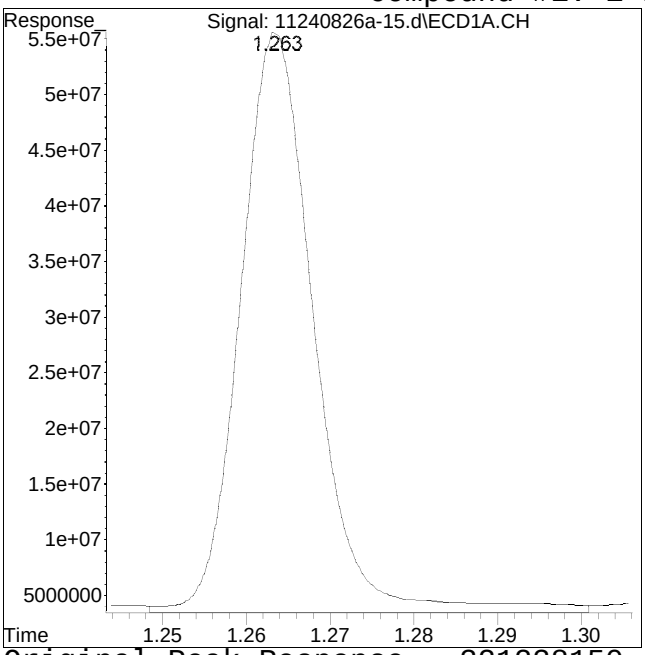
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

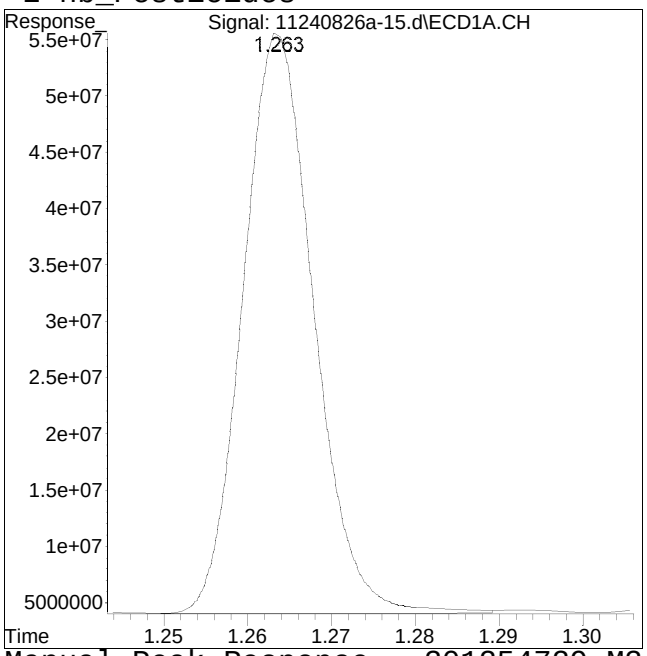


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-15.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 8:50 Instrument : Pest 11
Sample : WG1963569-1,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #1: 1-br-2-nb_Pesticides



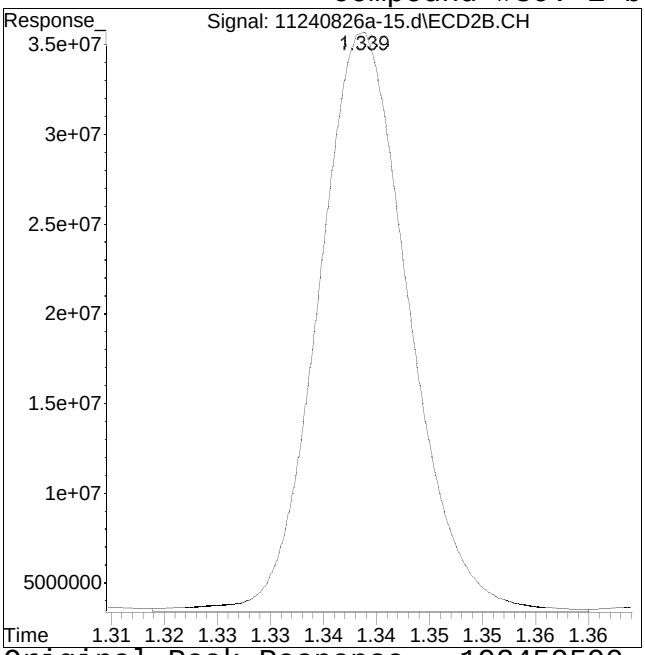


Original Peak Response = 321238150 Manual Peak Response = 301254729 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

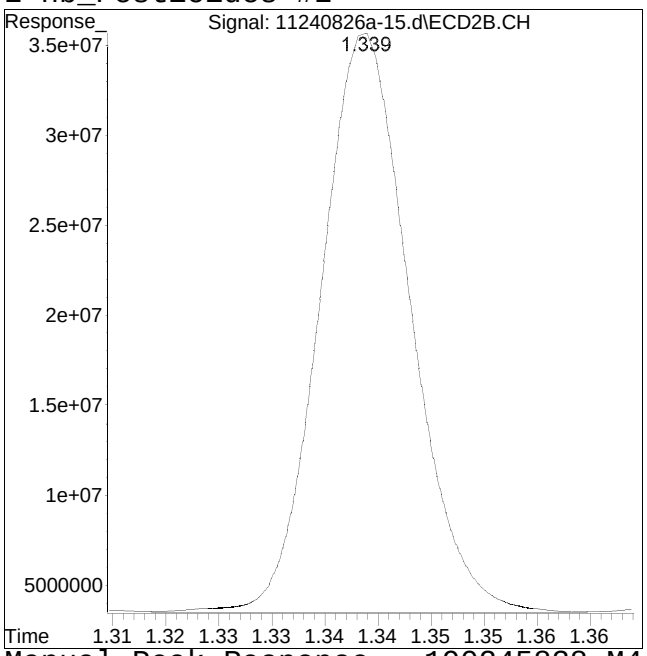
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-15.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 8:50 Instrument : Pest 11
Sample : WG1963569-1,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 192459590



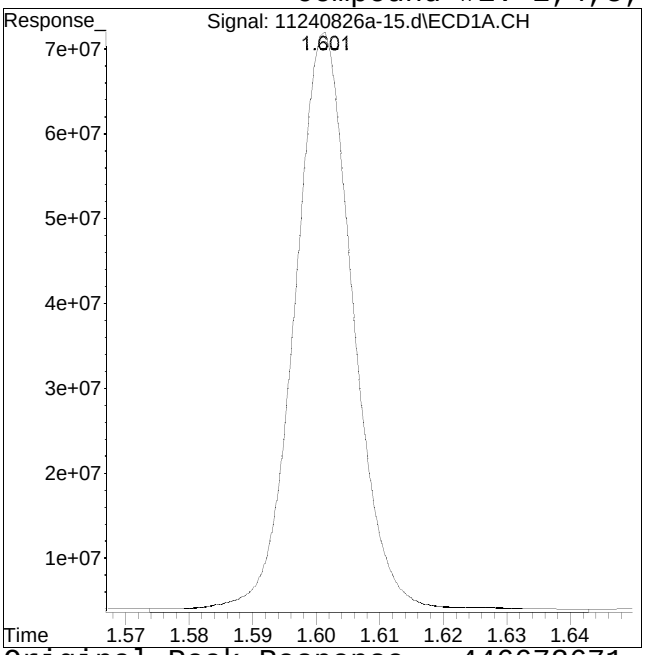
Manual Peak Response = 190245838 M4

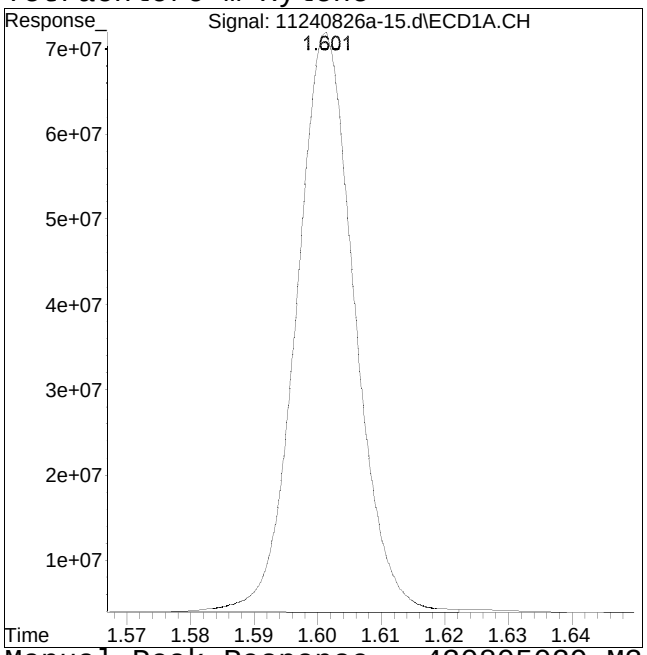
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-15.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 8:50 Instrument : Pest 11
Sample : WG1963569-1,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



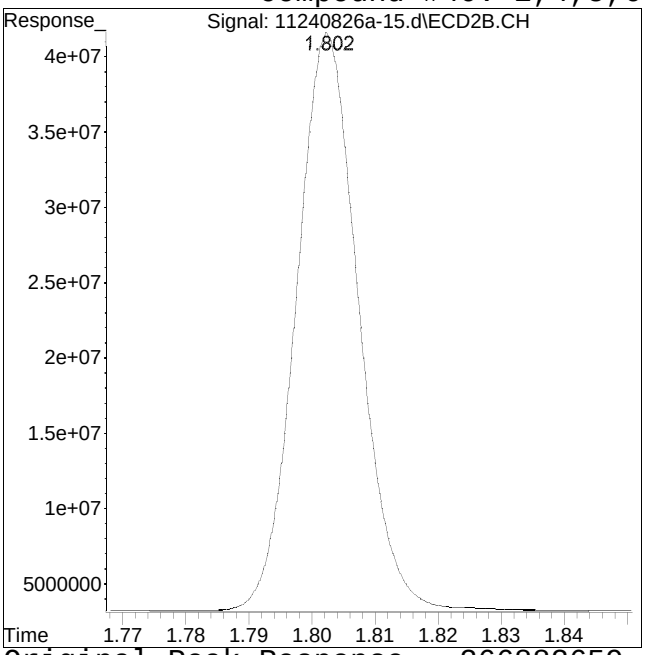


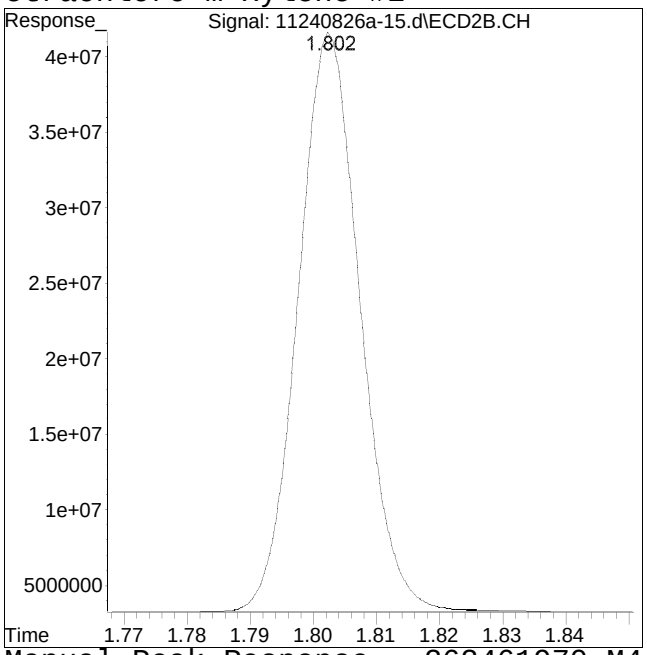
Original Peak Response = 446672671 Manual Peak Response = 430805029 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-15.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 8:50 Instrument : Pest 11
Sample : WG1963569-1,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



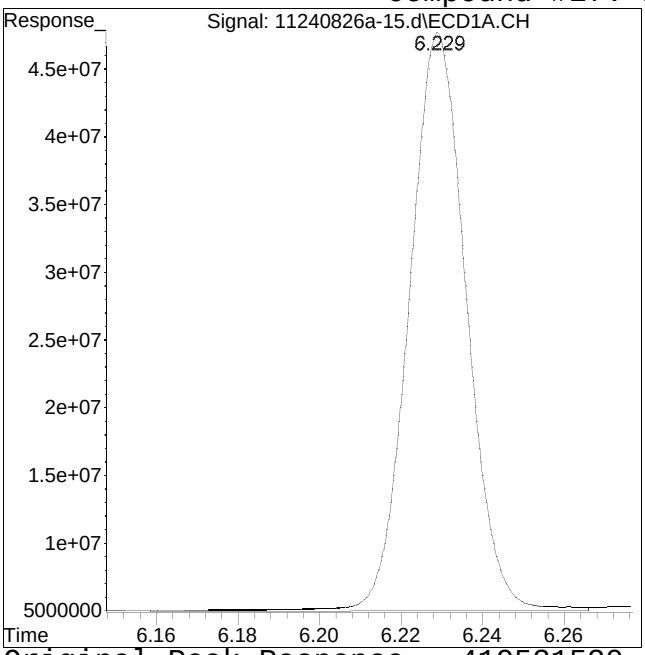


Original Peak Response = 266882659 Manual Peak Response = 262461970 M4
M4 = Poor automated baseline construction.

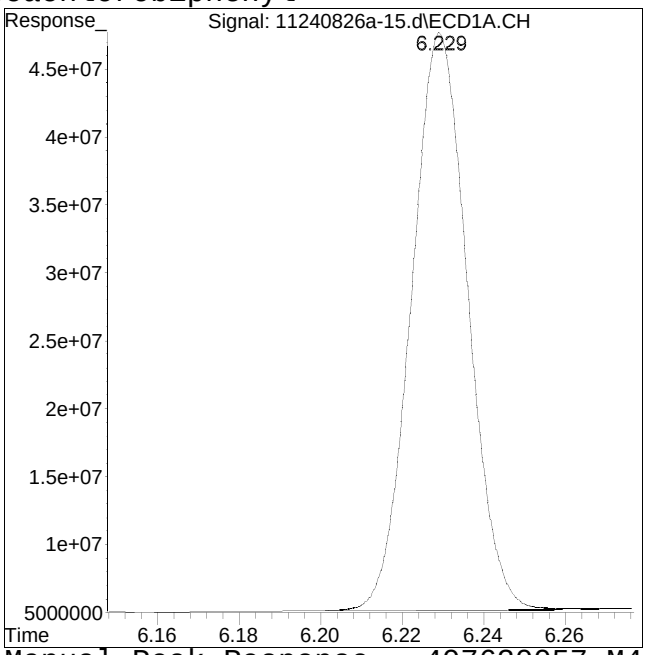
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-15.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 8:50 Instrument : Pest 11
Sample : WG1963569-1,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 419521520



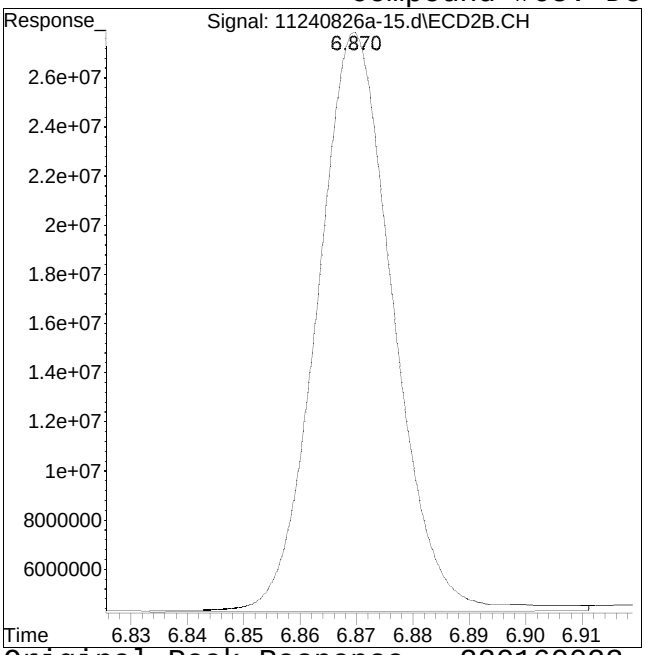
Manual Peak Response = 407630057 M4

M4 = Poor automated baseline construction.

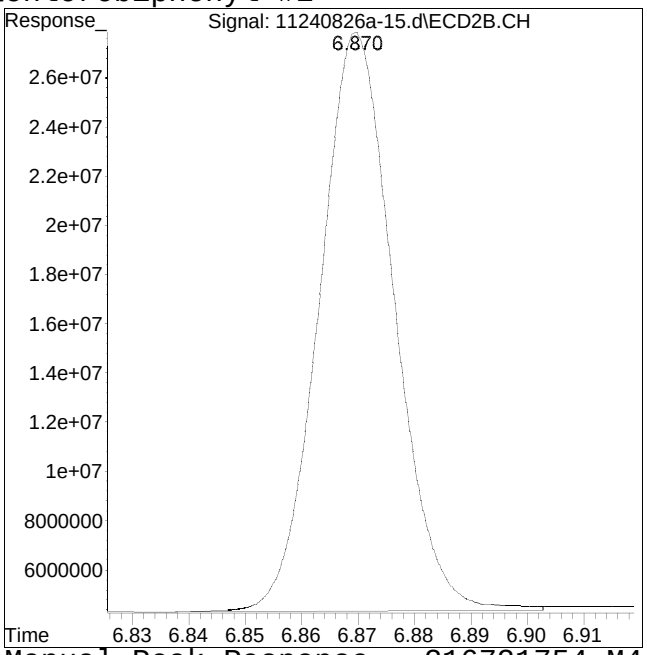
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-15.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 8:50 Instrument : Pest 11
Sample : WG1963569-1,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 220160023



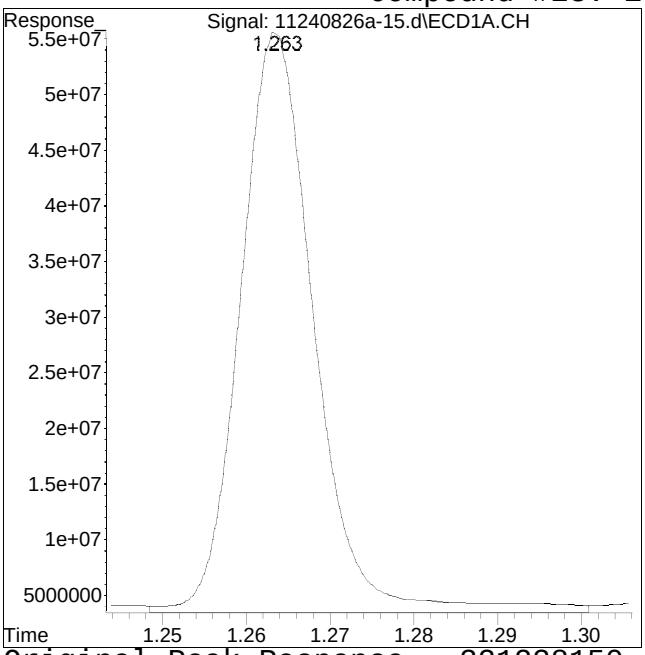
Manual Peak Response = 216721754 M4

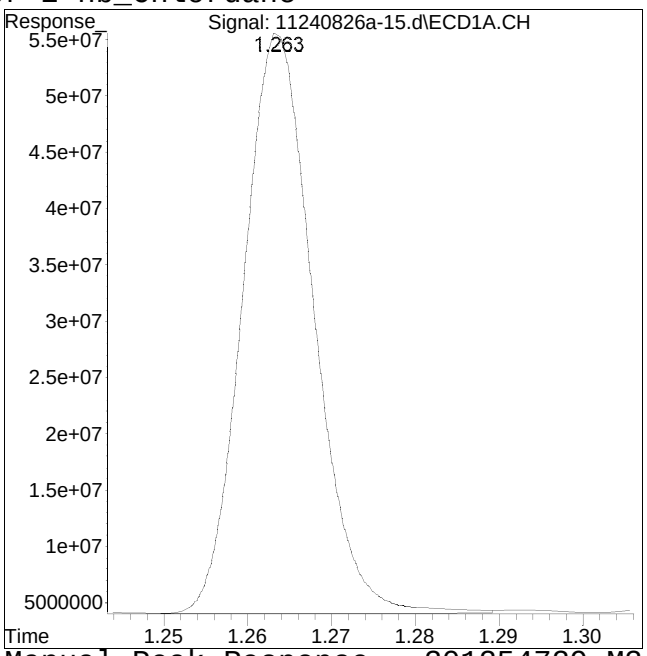
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-15.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 8:50 Instrument : Pest 11
Sample : WG1963569-1,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #28: 1-br-2-nb_Chlordane



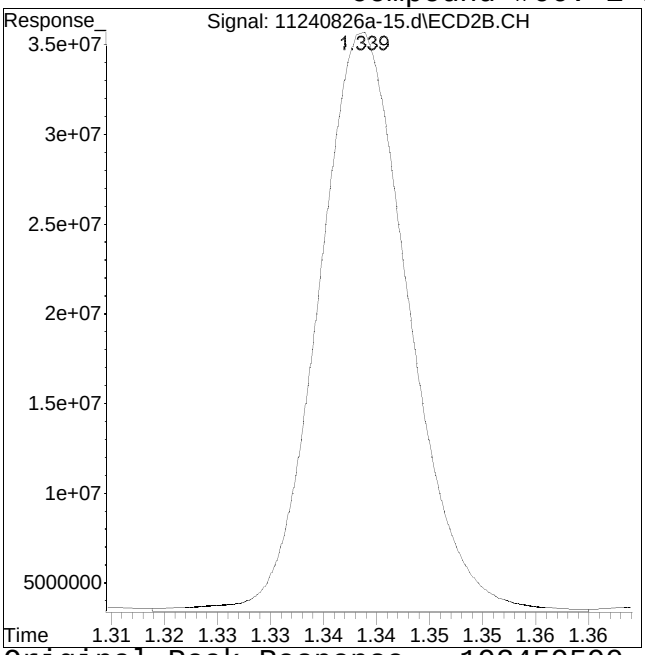


Original Peak Response = 321238150 Manual Peak Response = 301254729 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

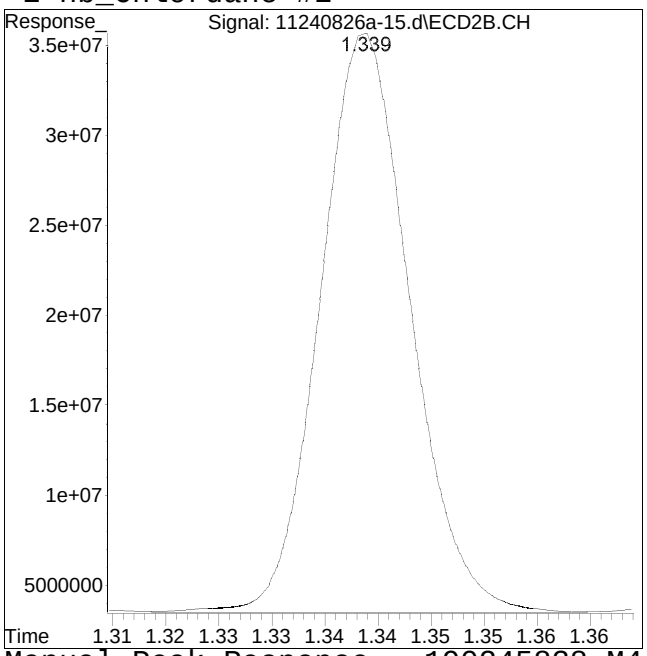
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-15.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 8:50 Instrument : Pest 11
Sample : WG1963569-1,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 192459590



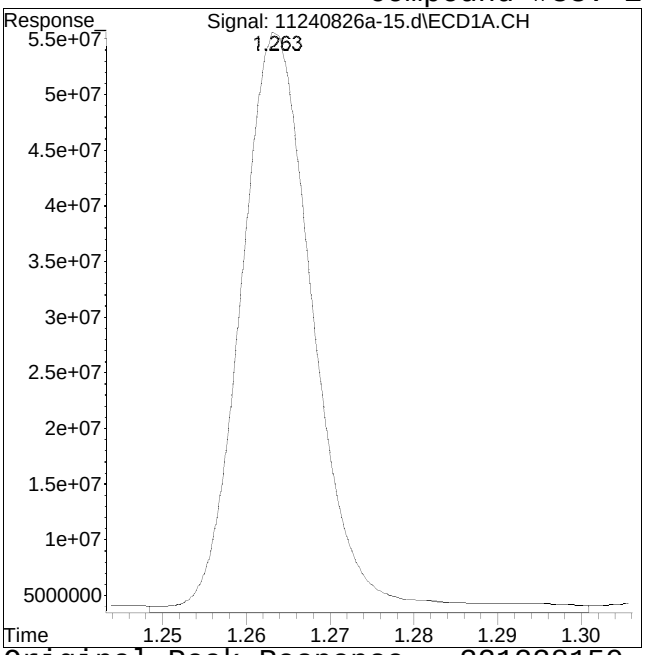
Manual Peak Response = 190245838 M4

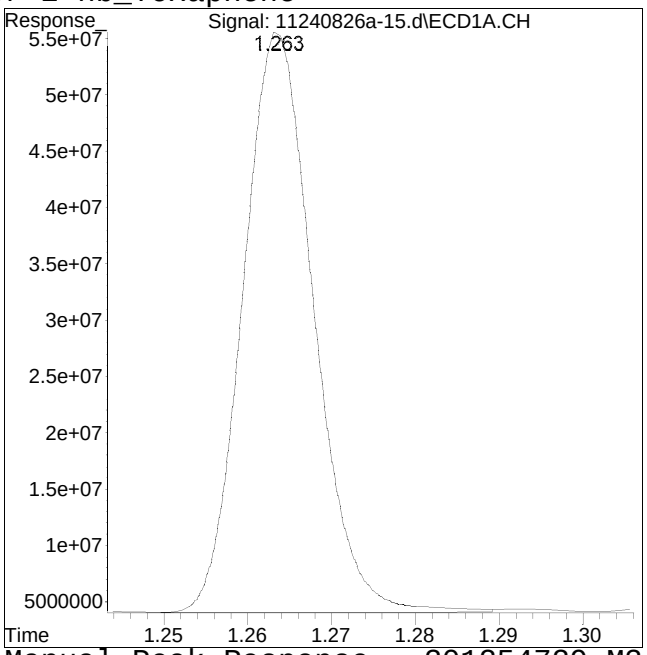
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-15.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 8:50 Instrument : Pest 11
Sample : WG1963569-1,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #33: 1-br-2-nb_Toxaphene



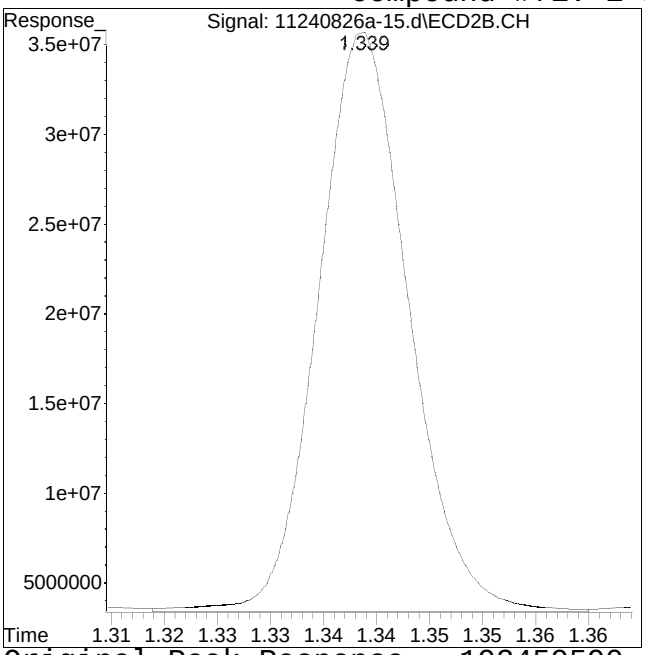


Original Peak Response = 321238150 Manual Peak Response = 301254729 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

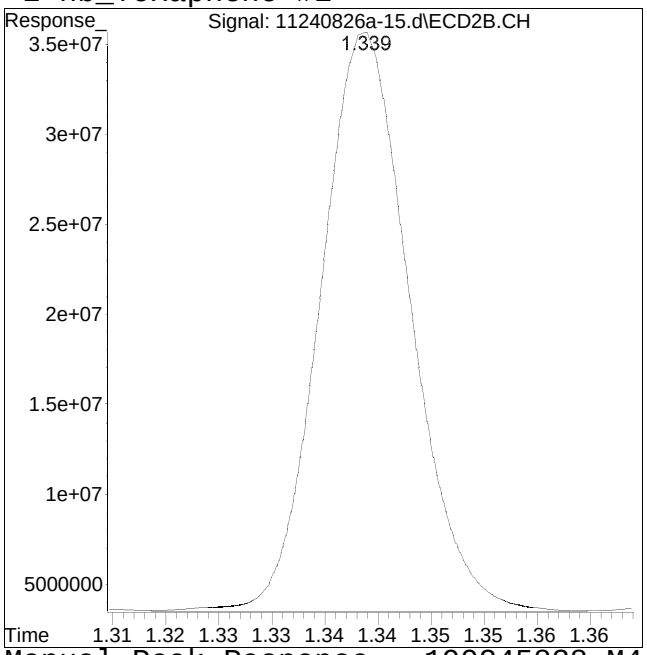
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-15.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 8:50 Instrument : Pest 11
Sample : WG1963569-1,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 192459590



Manual Peak Response = 190245838 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 9:02
Operator : PEST11:ejl
Sample : WG1963569-2,42,, 570
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:10 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.264	1.339	286.4E6	183.0E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 226873788				Recovery = 126.23%		
	Standard Area 1 : #2 = 173865216				Recovery = 105.25%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.601	1.802	429.2E6	264.8E6	36.060M3	32.490M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 72.12%		64.98%	
27) s	Decachlorobi	6.229	6.869	412.6E6	220.5E6	30.971M4	28.422M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 61.94%		56.84%	
Target Compounds							
4) t	alpha-BHC	1.907	2.207	593.2E6	377.0E6	35.456M3	31.798M4
5) t	gamma-BHC (l	2.105	2.486	581.7E6	345.7E6	36.393M4	30.689M4
6) t	beta-BHC	2.160	2.552	256.4E6	154.0E6	35.651M4	33.145M4
7) t	delta-BHC	2.286	2.813	564.8E6	298.7E6	35.880M3	26.803M4
8) t	Heptachlor	2.446	2.874	576.5E6	330.9E6	38.100M3	28.294M3
9) t	Aldrin	2.684	3.187	503.5E6	300.7E6	35.640M4	28.630M4
12) t	Heptachlor E	3.220	3.791	507.8E6	291.1E6	37.395M3	27.903M3
13) t	gamma-Chlord	3.342	4.009	522.7E6	304.5E6	42.367M3	31.721M3
14) t	alpha-Chlord	3.475	4.180	487.3E6	298.5E6	34.977M3	28.204M4
15) t	4,4'-DDE	3.572	4.387	495.1E6	287.8E6	36.274M4	29.282M4
16) t	Endosulfan I	3.608	4.243	475.2E6	279.9E6	37.163M3	28.705M4
17) t	Dieldrin	3.865	4.543	541.1E6	315.0E6	41.608M3	32.419M4
18) t	Endrin	4.117	4.847	519.5E6	296.2E6	39.343M4	30.046
19) t	4,4'-DDD	4.235	4.977	436.6E6	250.4E6	41.099M4	31.564
20) t	Endosulfan I	4.365	5.051	476.1E6	271.3E6	39.505M4	30.544
21) t	4,4'-DDT	4.537	5.257	472.1E6	265.5E6	38.933M4	29.017M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 9:02
Operator : PEST11:ejl
Sample : WG1963569-2,42,, 570
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:10 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.791	5.352	343.7E6	199.8E6	33.847M4	29.072
23) t Methoxychlor	5.036	5.829	274.5E6	146.1E6	40.482M4	28.344M4
25) t Endosulfan S	5.188	5.582	457.4E6	255.1E6	39.545M4	29.065
26) t Endrin Keton	5.417	5.996	530.9E6	301.1E6	39.170M4	32.631
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

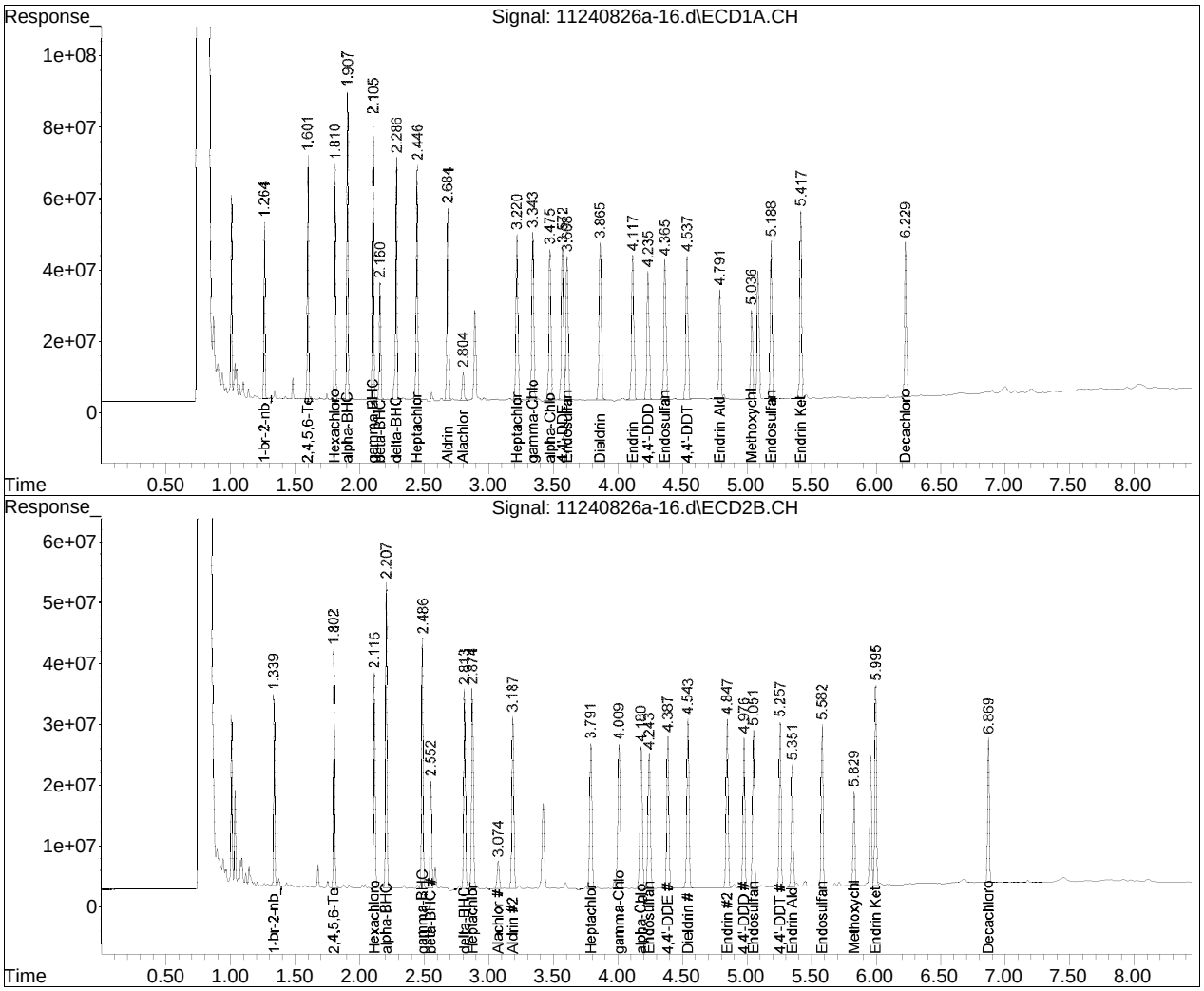
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only1\2024\240826A\11240826a-03.d•

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 9:02
Operator : PEST11:ejl
Sample : WG1963569-2,42,, 570
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:10 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

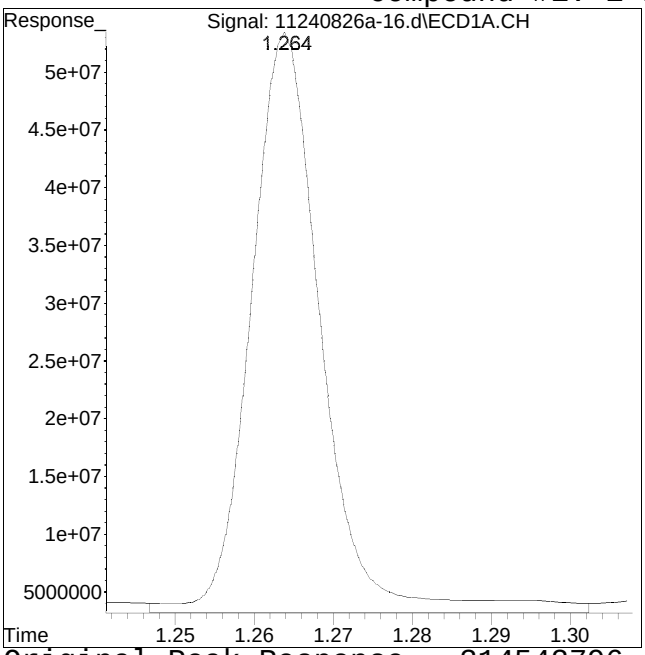
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

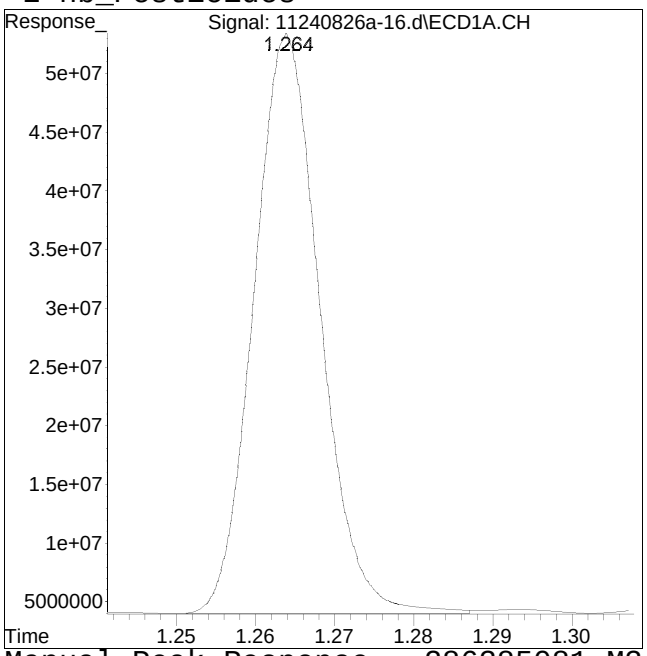


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #1: 1-br-2-nb_Pesticides



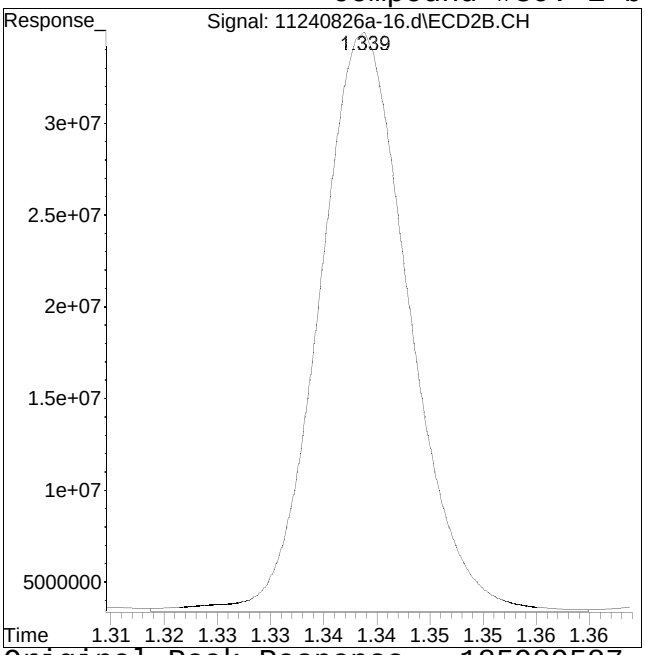


Original Peak Response = 314542796 Manual Peak Response = 286385081 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

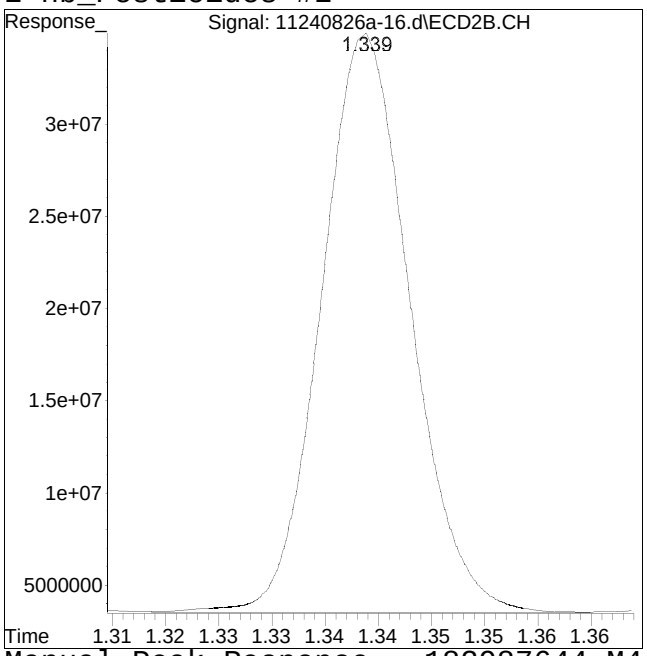
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 185989587



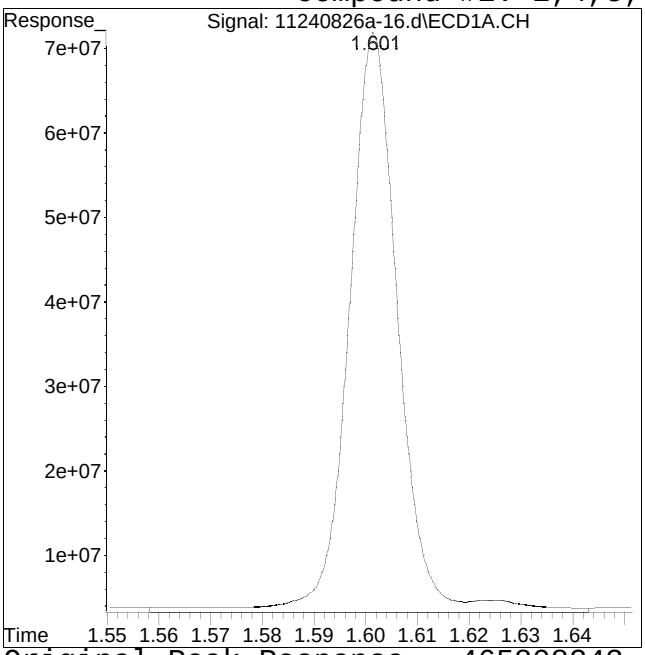
Manual Peak Response = 182987644 M4

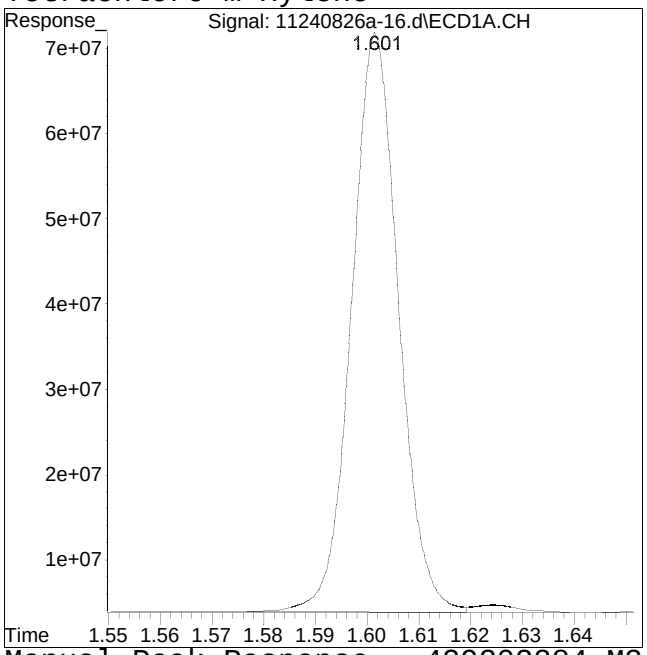
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



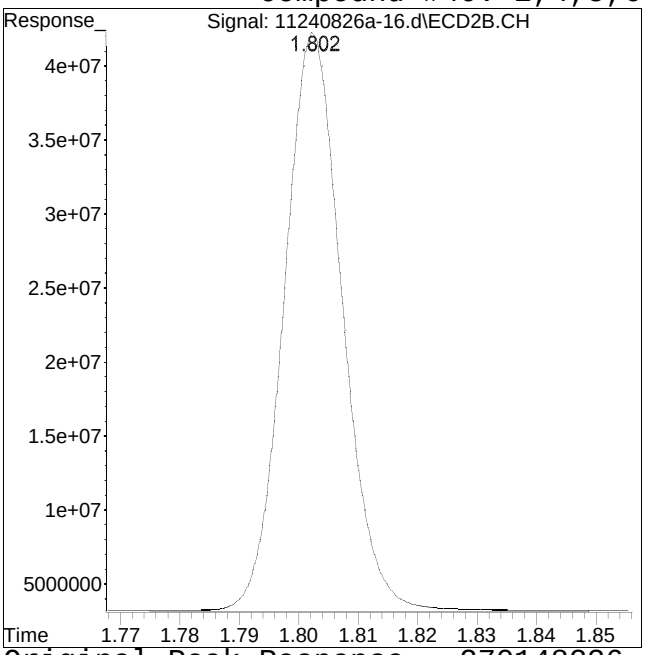


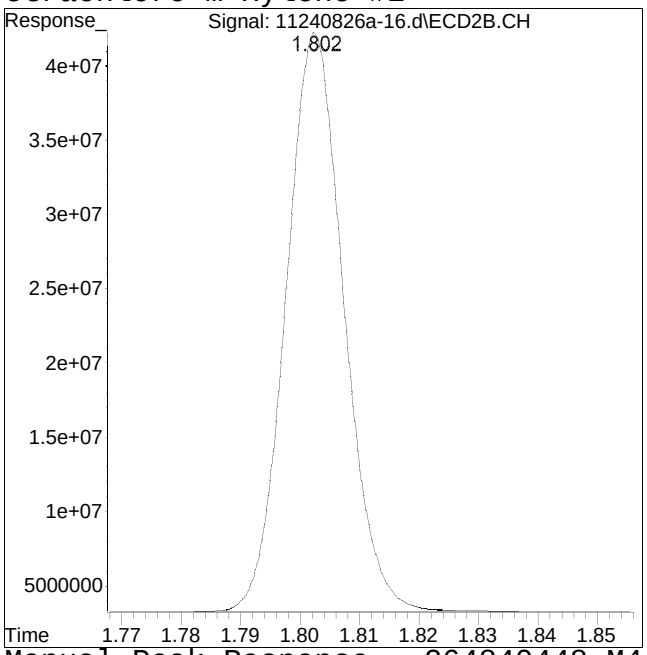
Original Peak Response = 465808243 Manual Peak Response = 429202284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



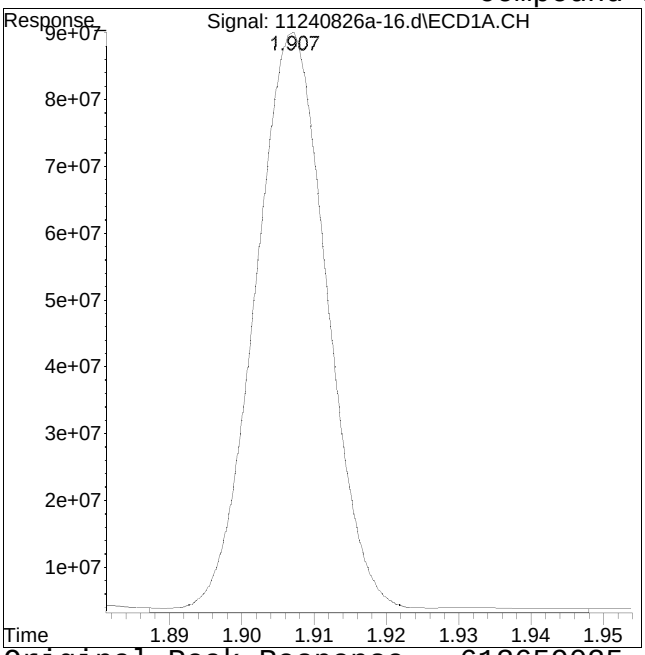


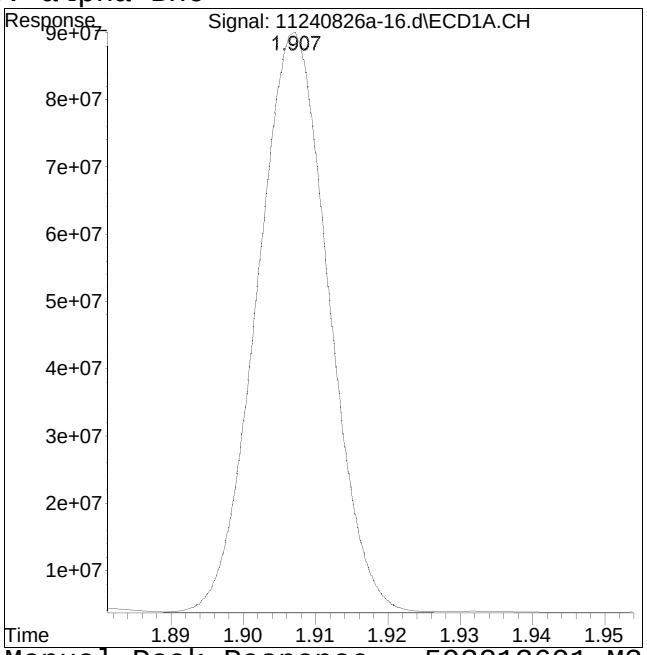
Original Peak Response = 270148236 Manual Peak Response = 264840448 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #4: alpha-BHC



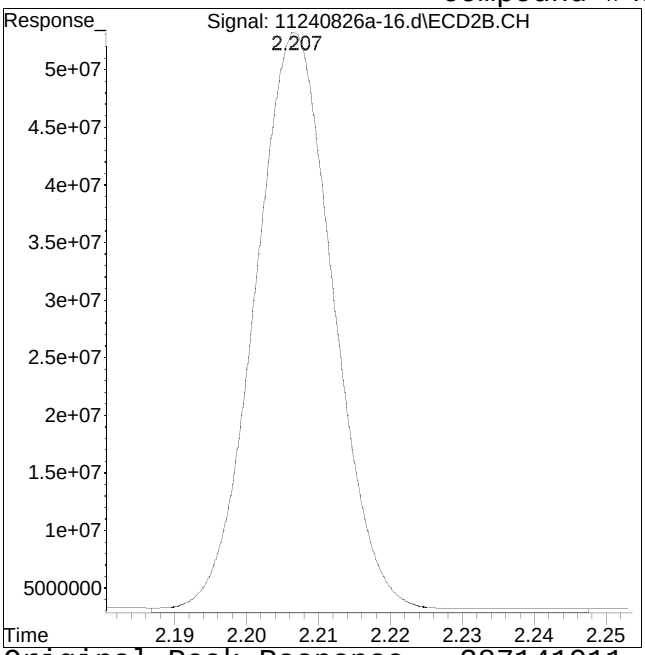


Original Peak Response = 613659025 Manual Peak Response = 593213691 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

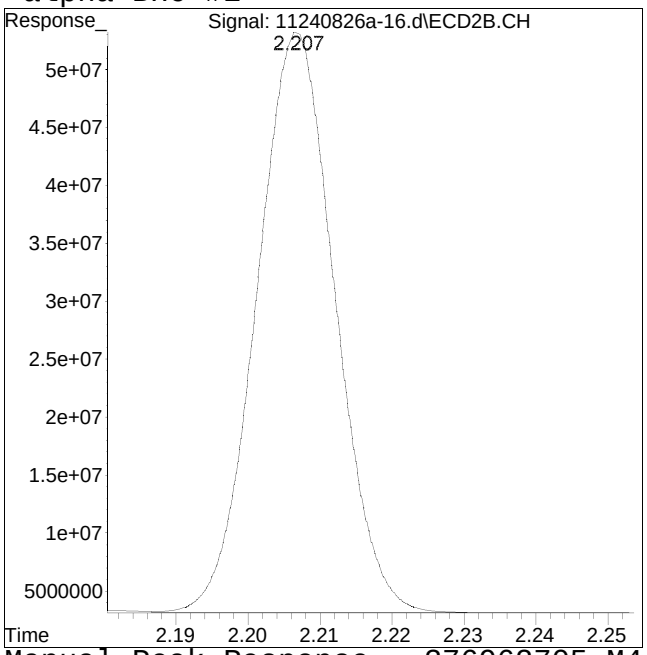
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #42: alpha-BHC #2



Original Peak Response = 387141911

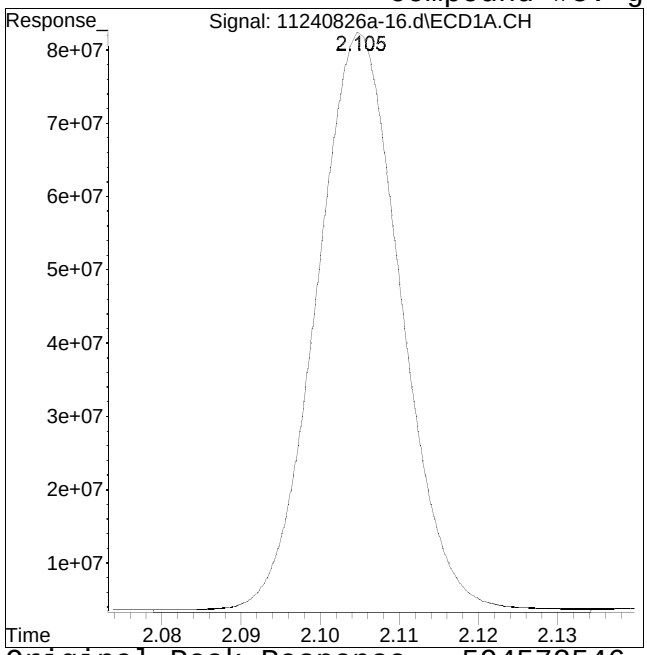


Manual Peak Response = 376962705 M4
M4 = Poor automated baseline construction.

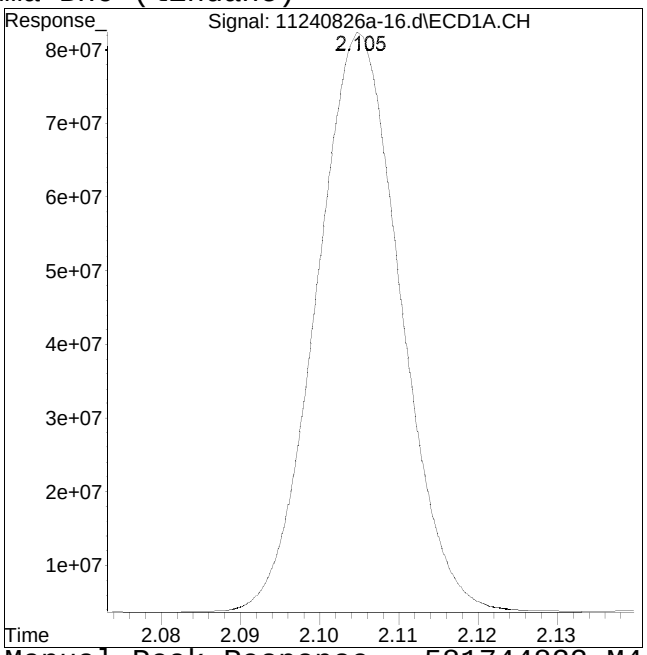
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #5: gamma-BHC (lindane)



Original Peak Response = 594572546



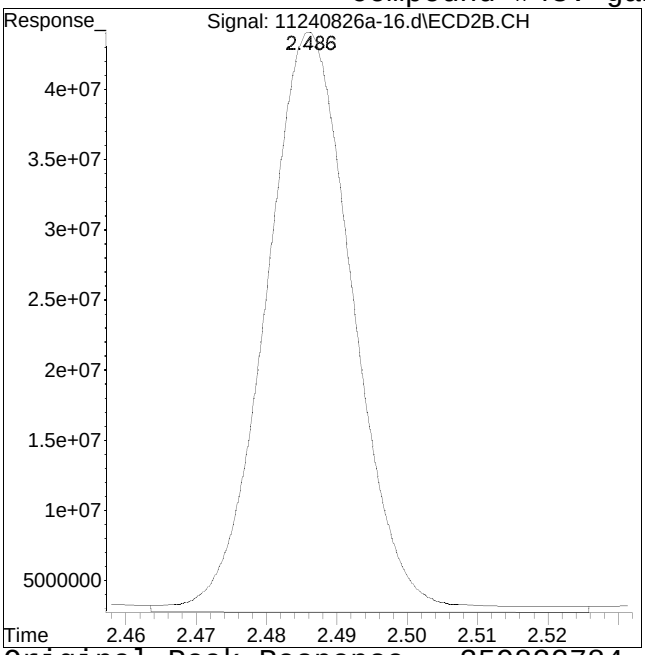
Manual Peak Response = 581744822 M4

M4 = Poor automated baseline construction.

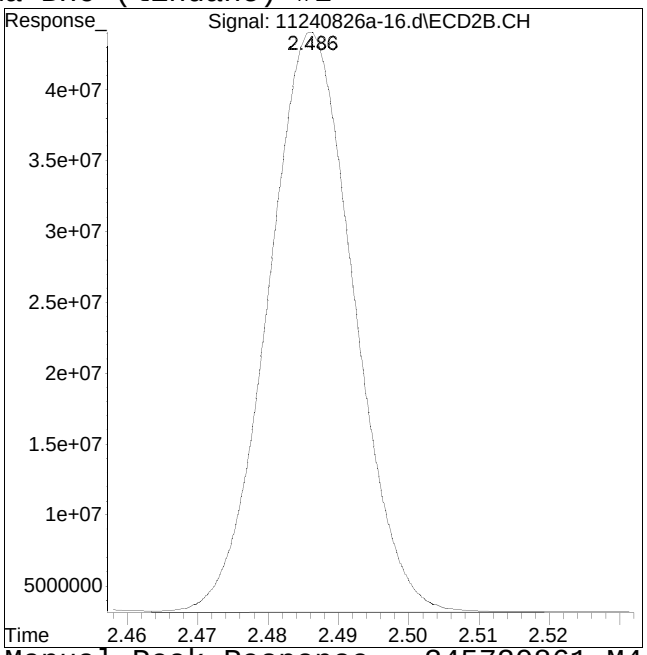
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 359832784



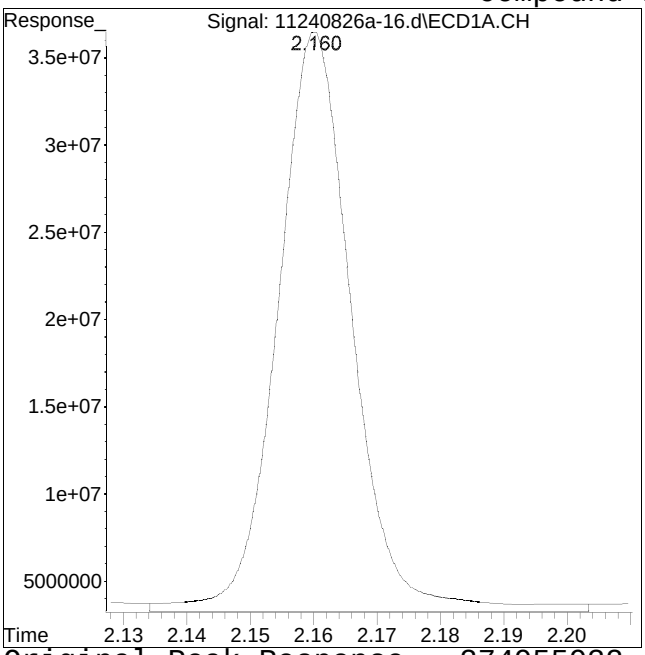
Manual Peak Response = 345720861 M4

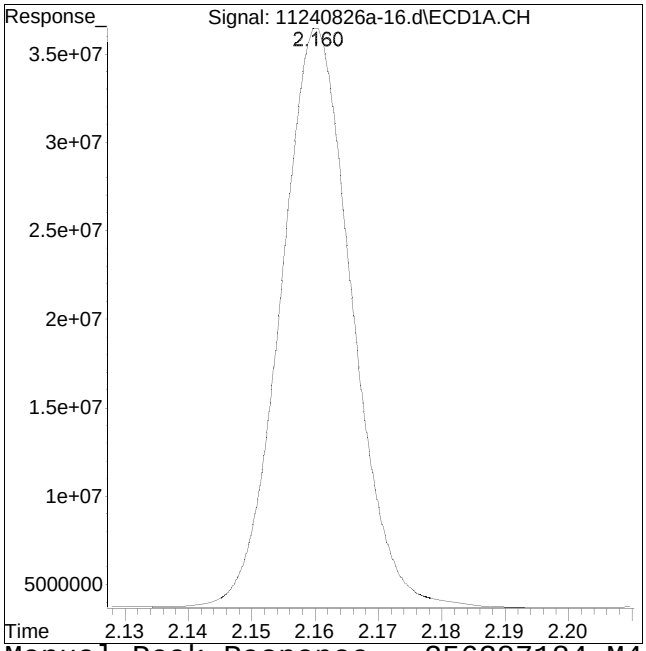
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #6: beta-BHC



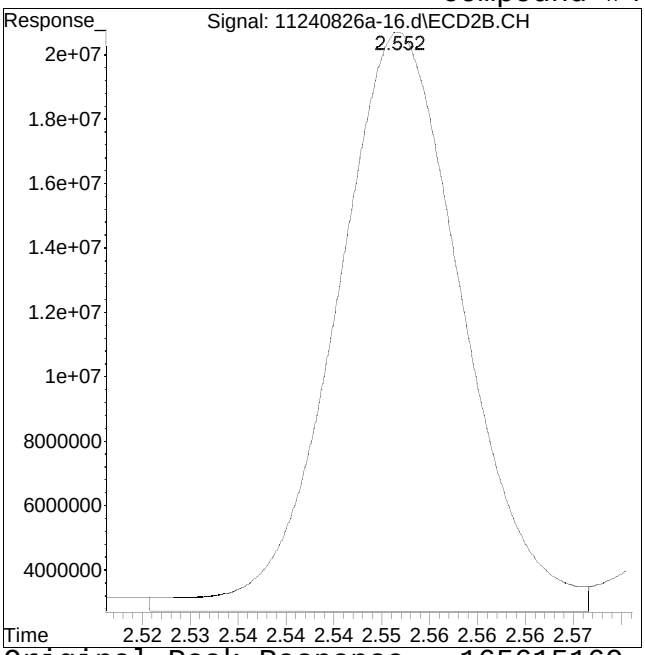


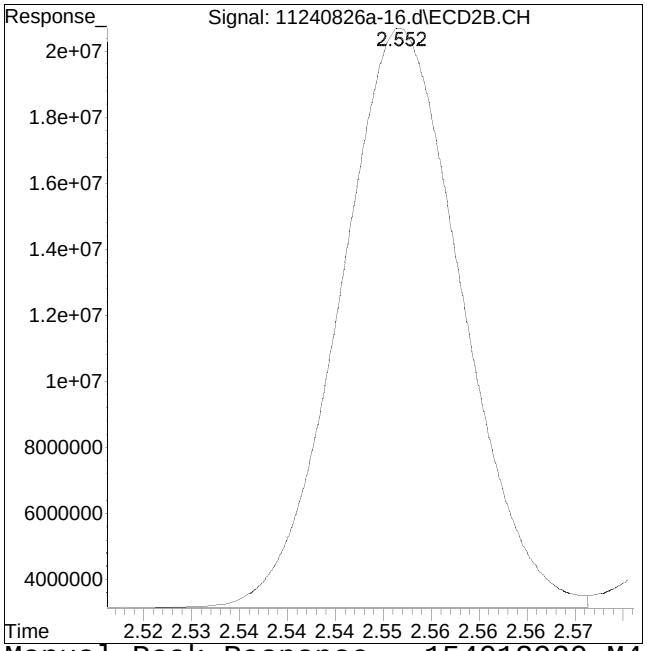
Original Peak Response = 274955932 Manual Peak Response = 256387184 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #44: beta-BHC #2



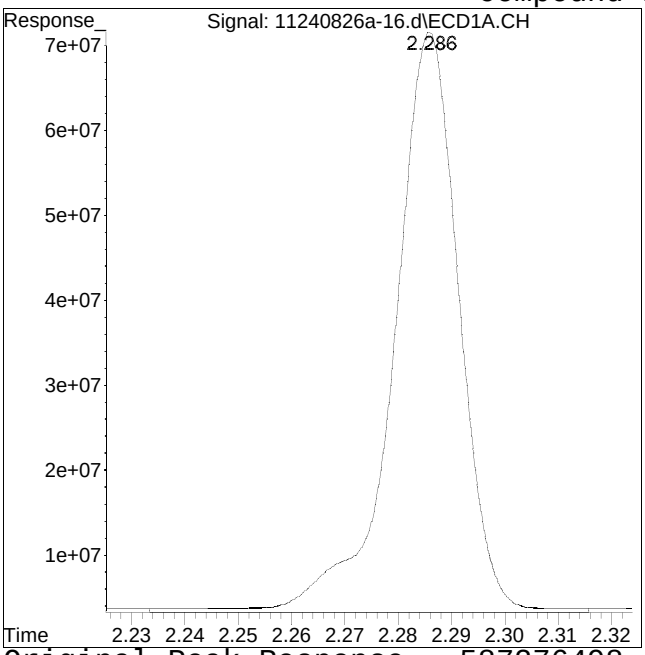


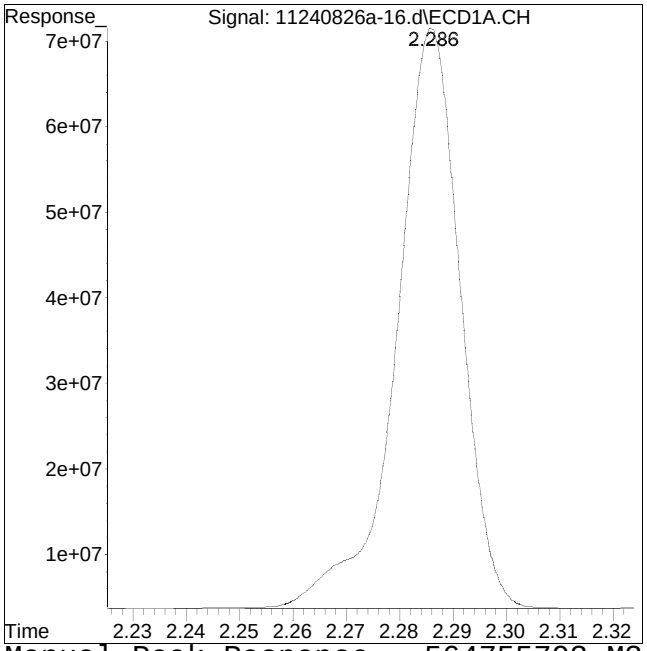
Original Peak Response = 165615169 Manual Peak Response = 154012930 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #7: delta-BHC



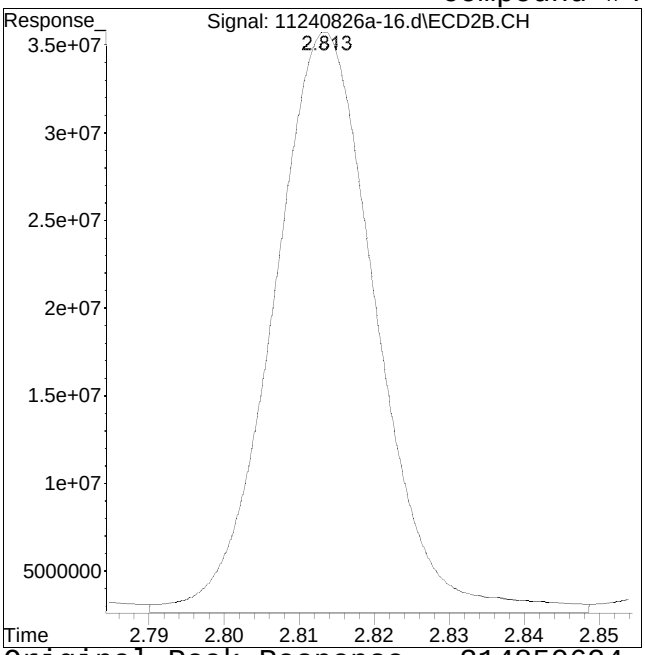


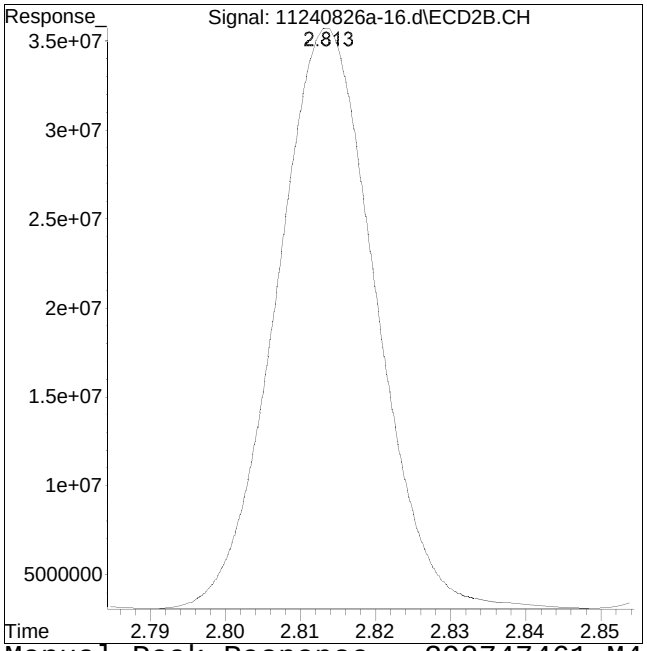
Original Peak Response = 587276498 Manual Peak Response = 564755793 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #45: delta-BHC #2



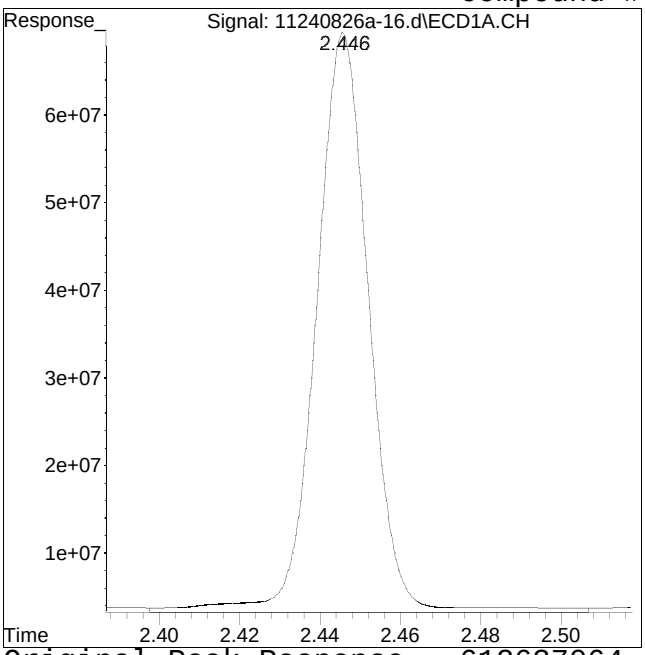


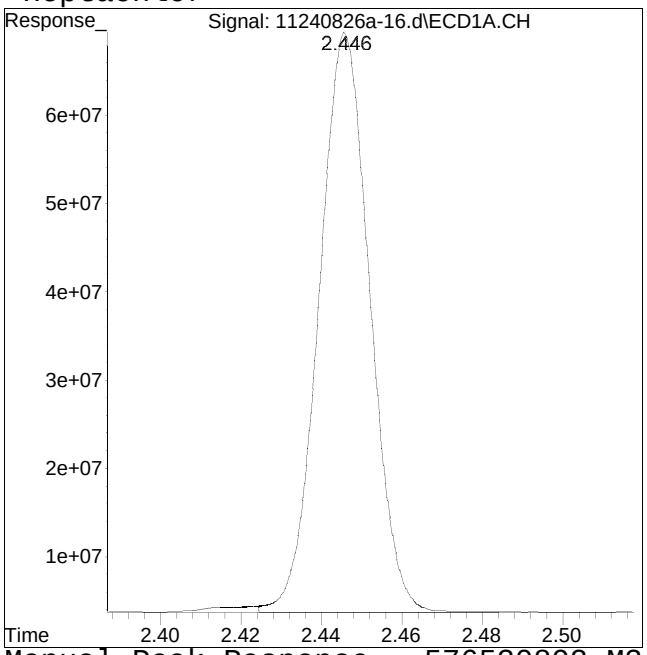
Original Peak Response = 314850624 Manual Peak Response = 298747461 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #8: Heptachlor



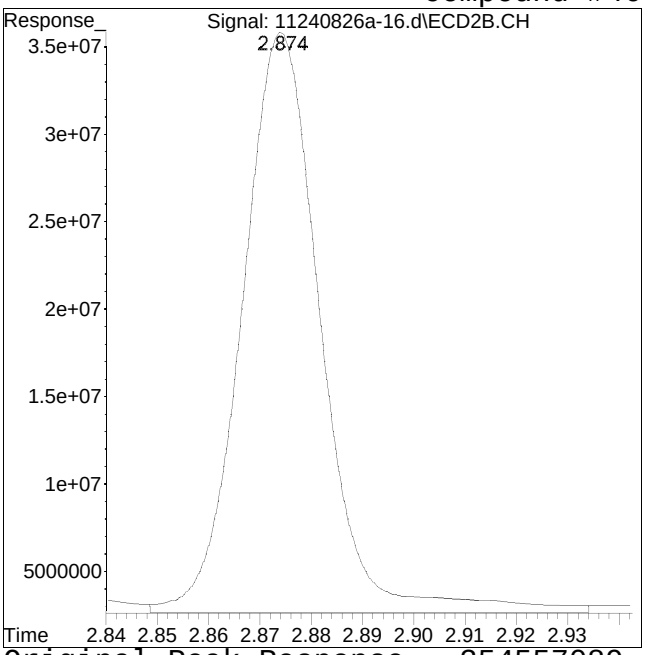


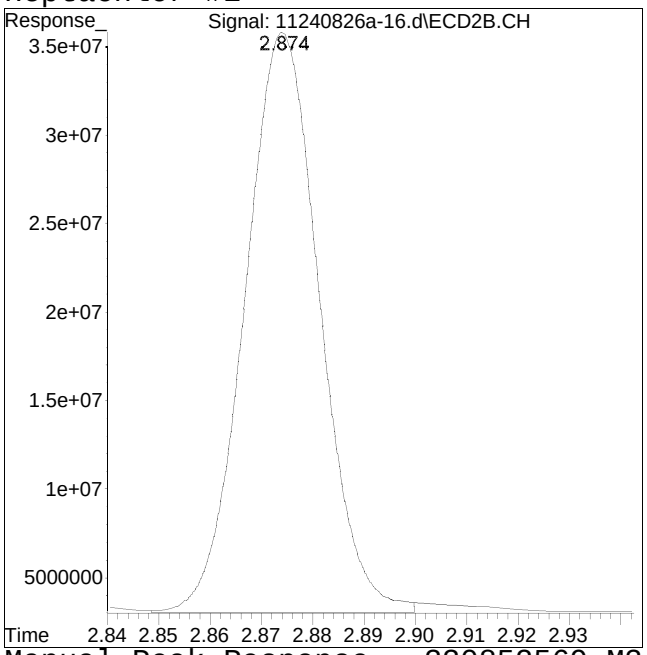
Original Peak Response = 612637064 Manual Peak Response = 576530892 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #46: Heptachlor #2



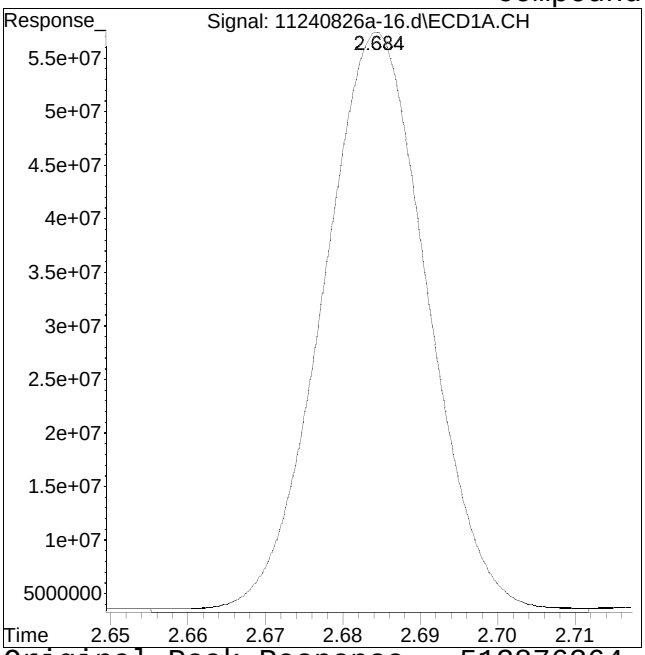


Original Peak Response = 354557089 Manual Peak Response = 330852569 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

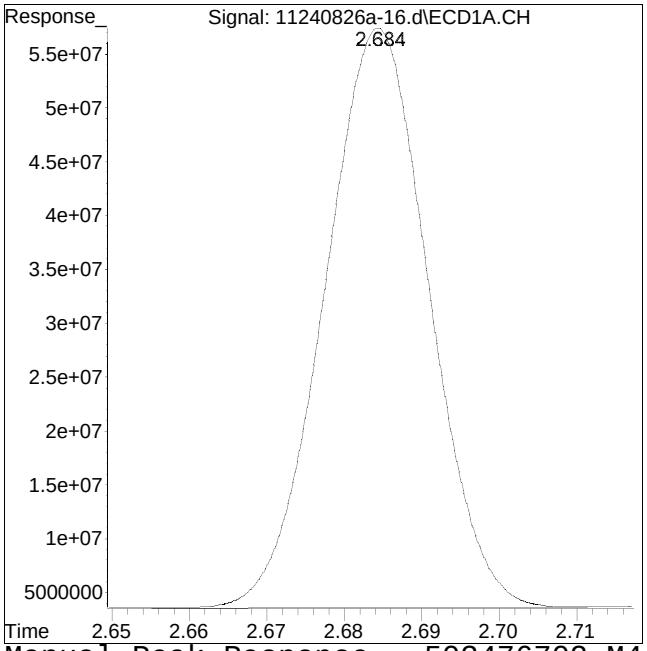
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #9: Aldrin



Original Peak Response = 513876364



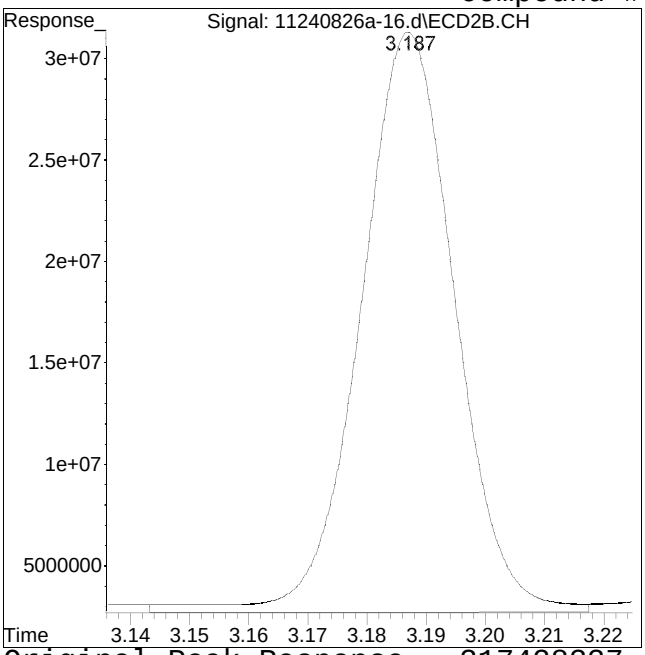
Manual Peak Response = 503476702 M4

M4 = Poor automated baseline construction.

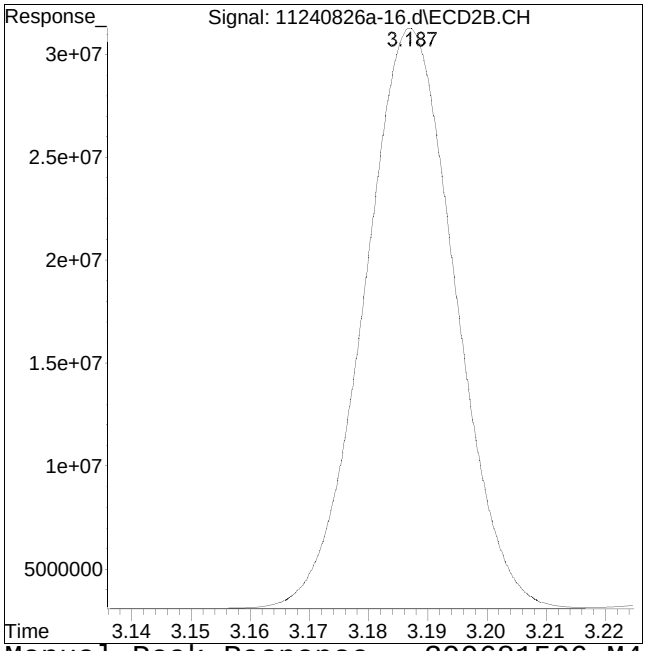
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #47: Aldrin #2



Original Peak Response = 317428337

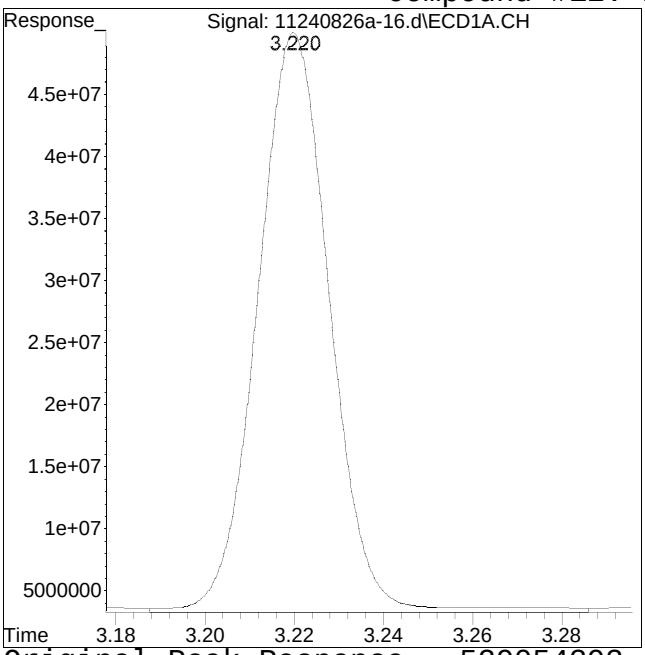


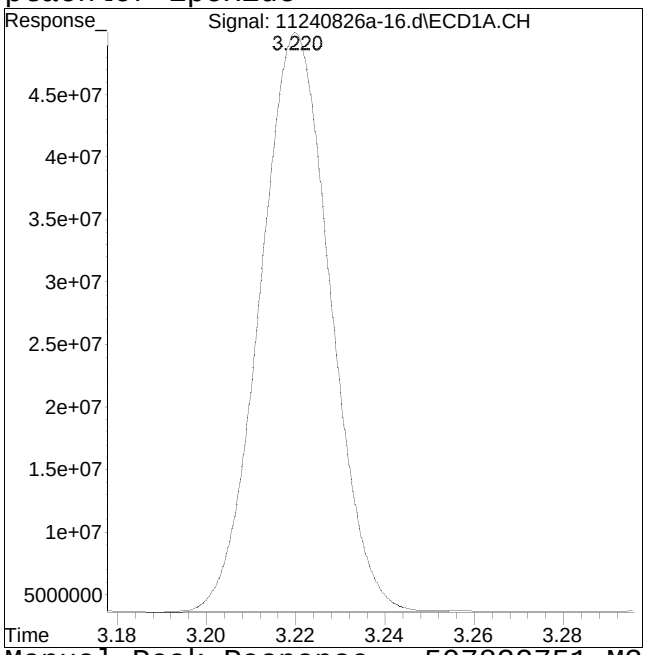
Manual Peak Response = 300681506 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #12: Heptachlor Epoxide



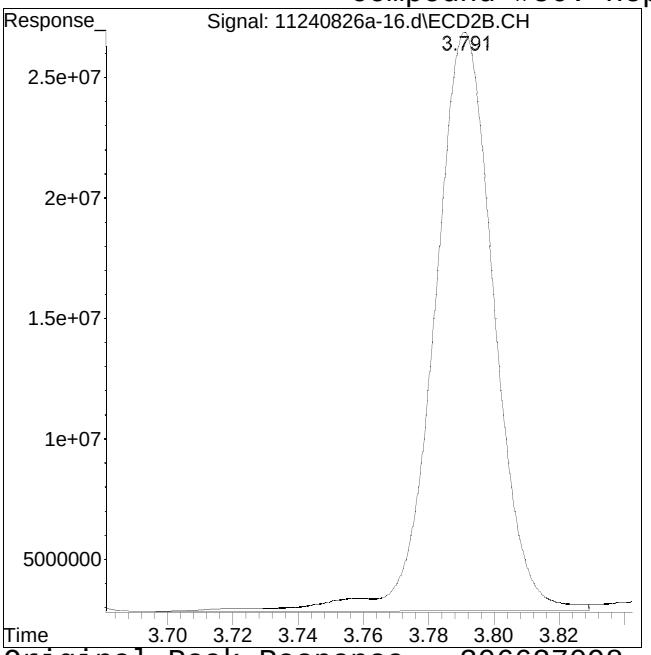


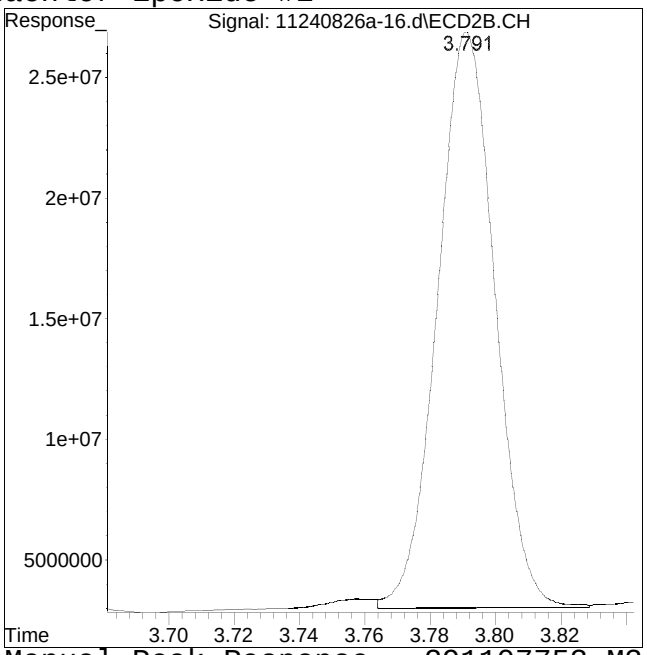
Original Peak Response = 529054393 Manual Peak Response = 507832751 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #50: Heptachlor Epoxide #2



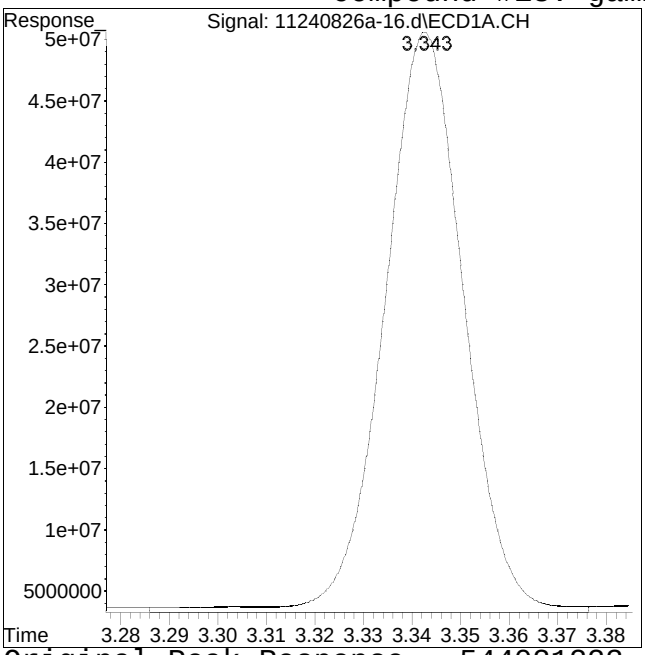


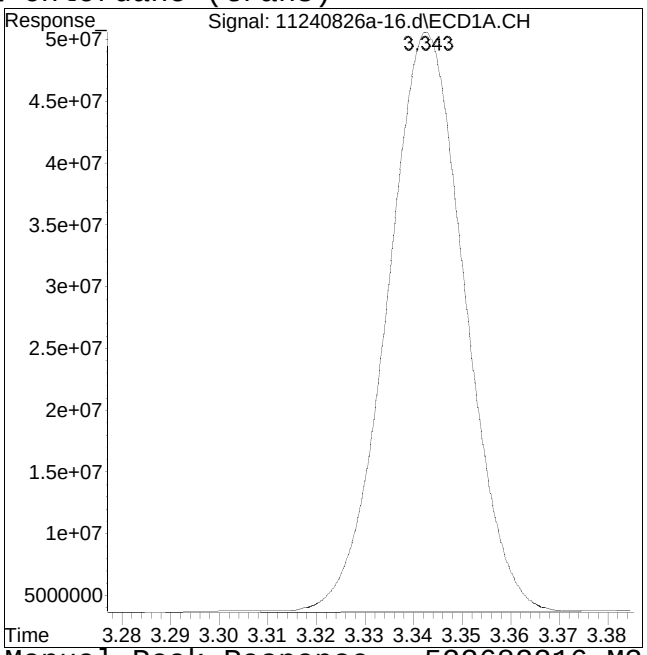
Original Peak Response = 306627098 Manual Peak Response = 291107753 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #13: gamma-Chlordane (trans)



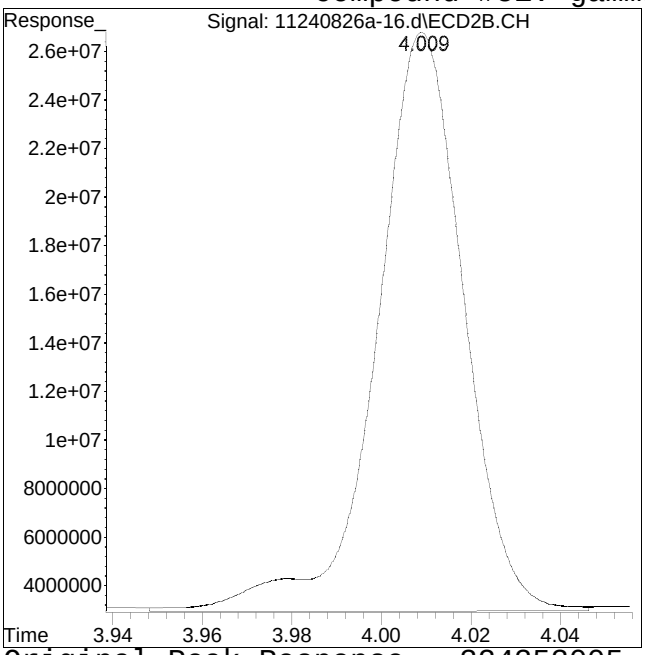


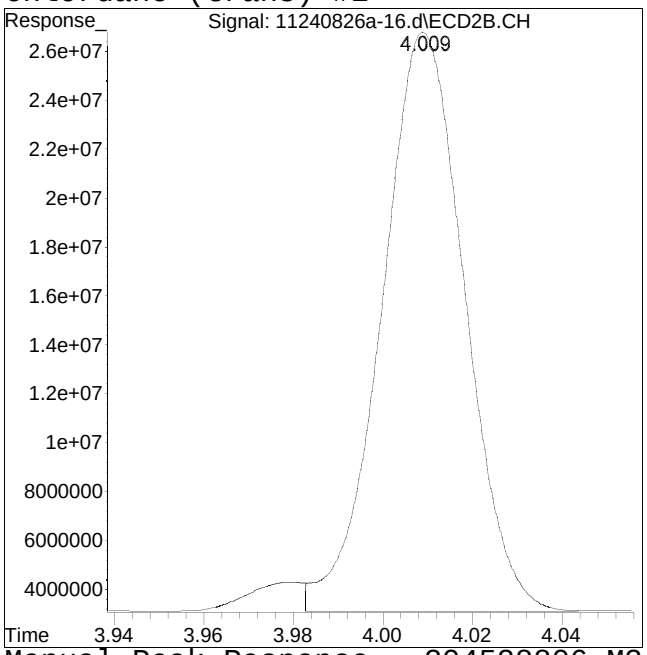
Original Peak Response = 544021223 Manual Peak Response = 522682216 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #51: gamma-Chlordane (trans) #2



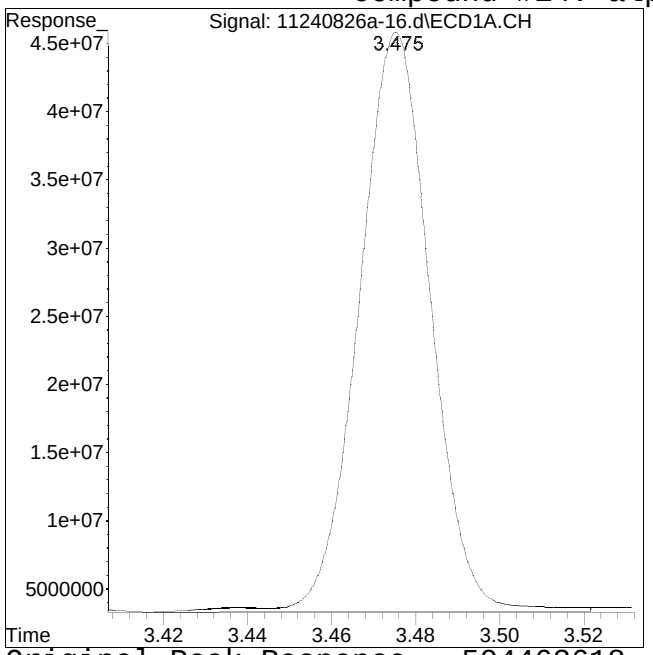


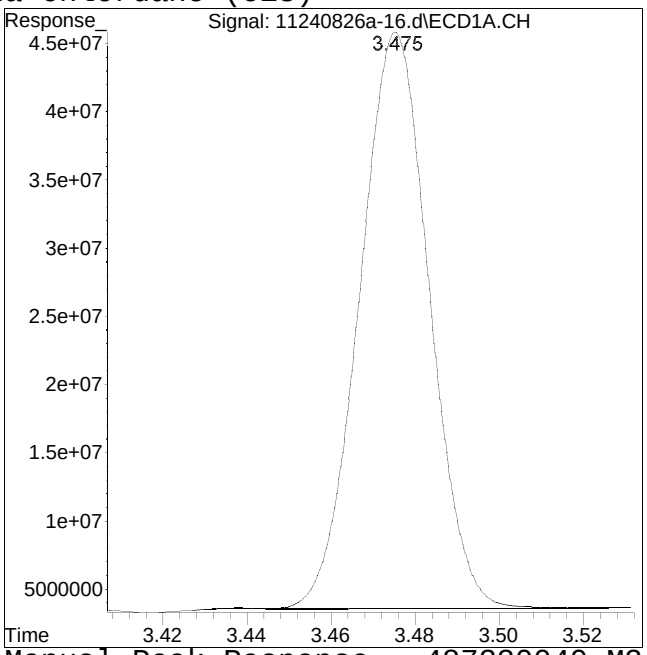
Original Peak Response = 324353005 Manual Peak Response = 304528806 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #14: alpha-Chlordane (cis)



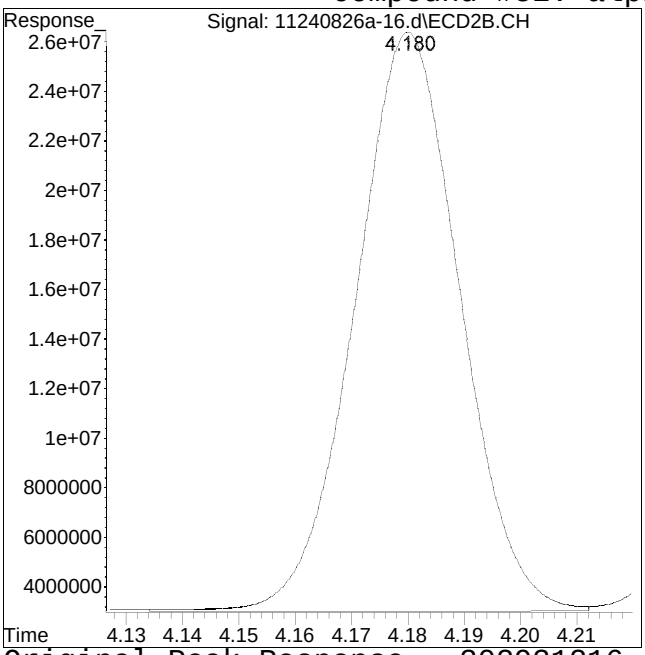


Original Peak Response = 504462618 Manual Peak Response = 487330040 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

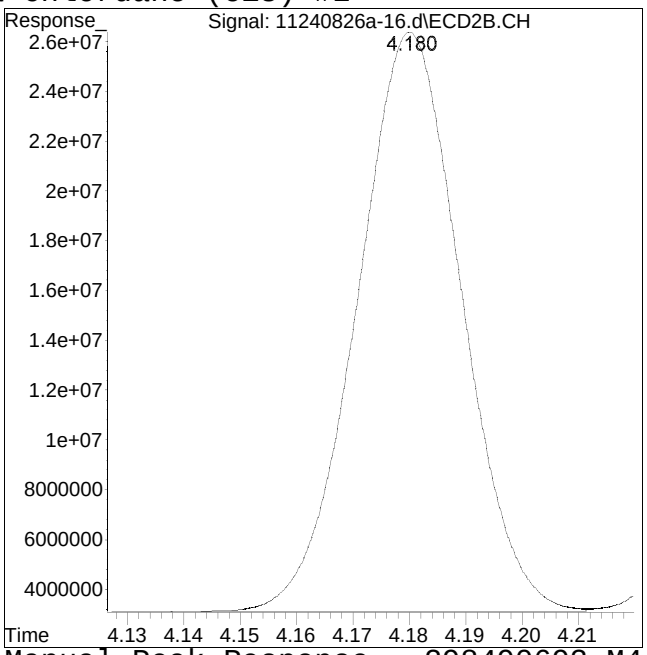
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 302931216



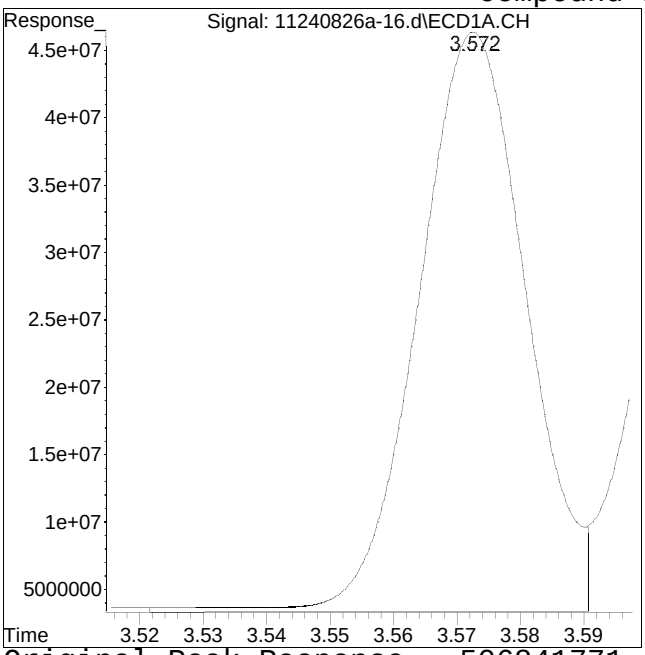
Manual Peak Response = 298490693 M4

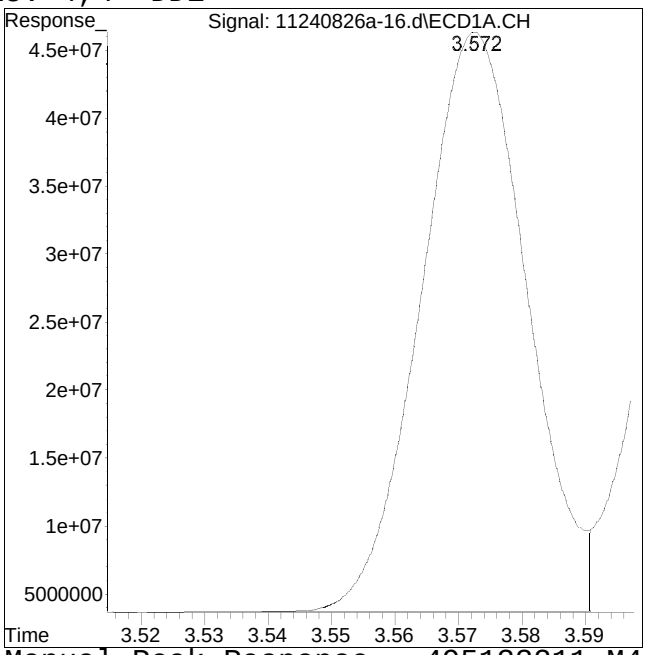
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #15: 4,4'-DDE



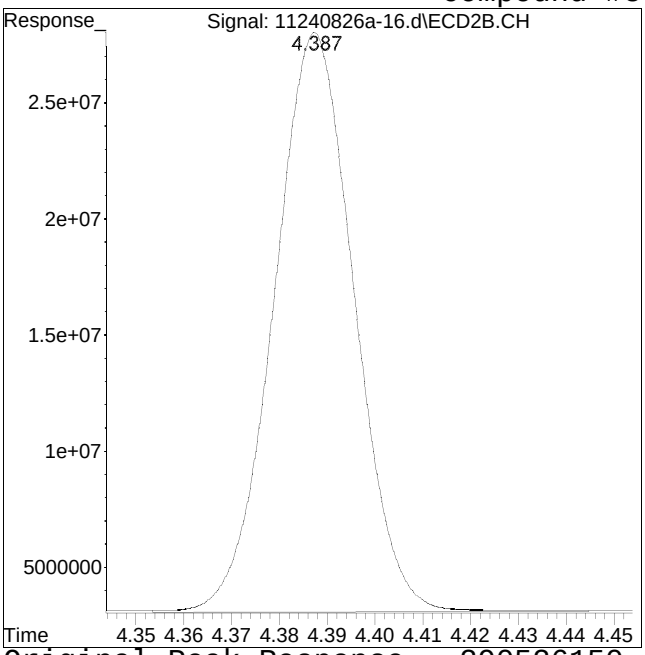


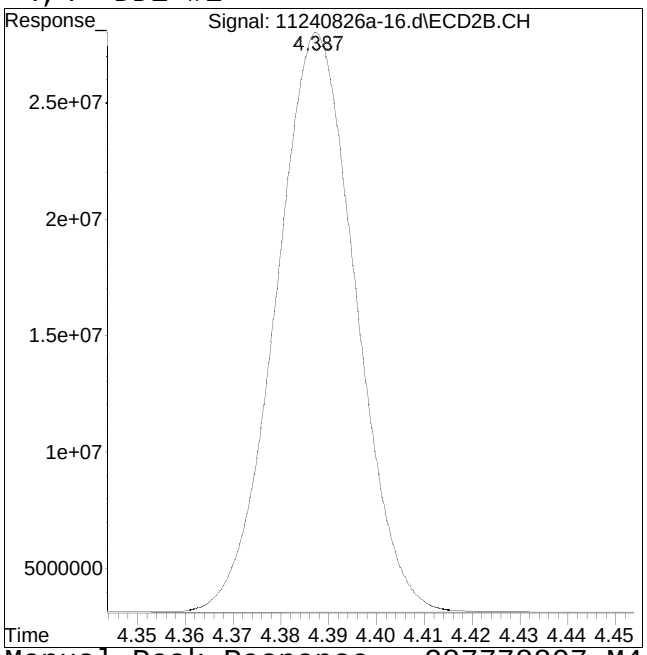
Original Peak Response = 506841771 Manual Peak Response = 495133211 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #53: 4,4'-DDE #2



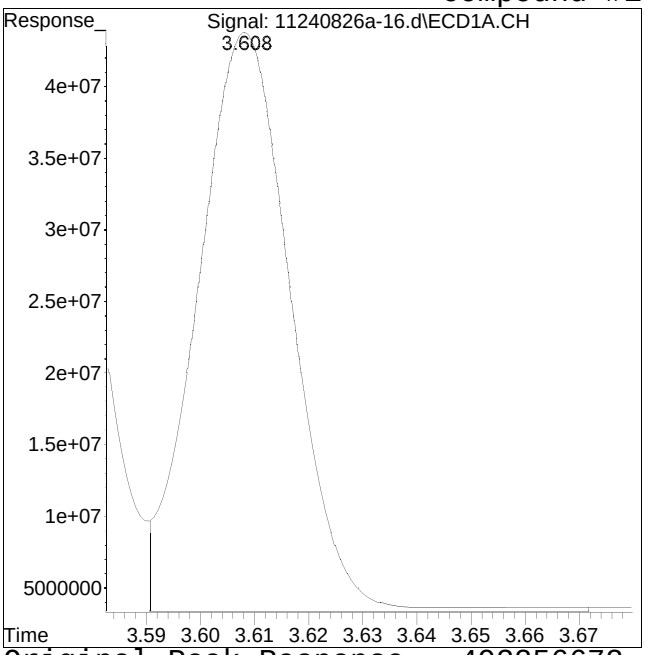


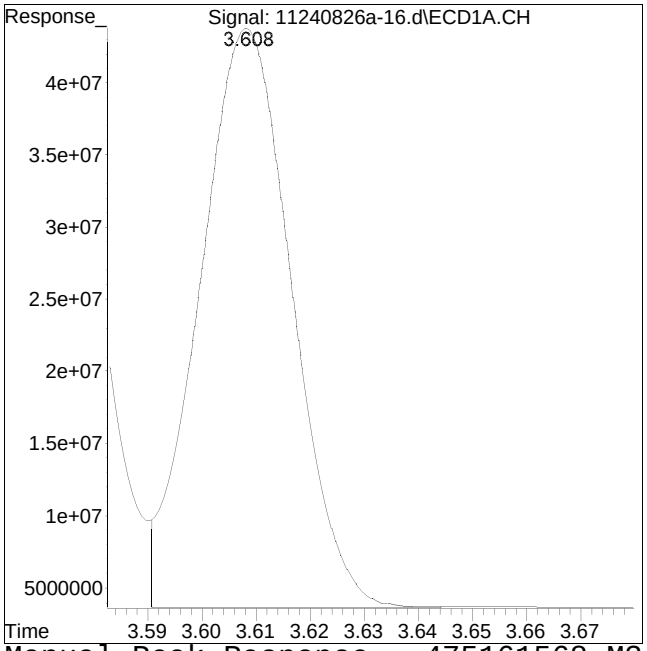
Original Peak Response = 290526150 Manual Peak Response = 287778807 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #16: Endosulfan I



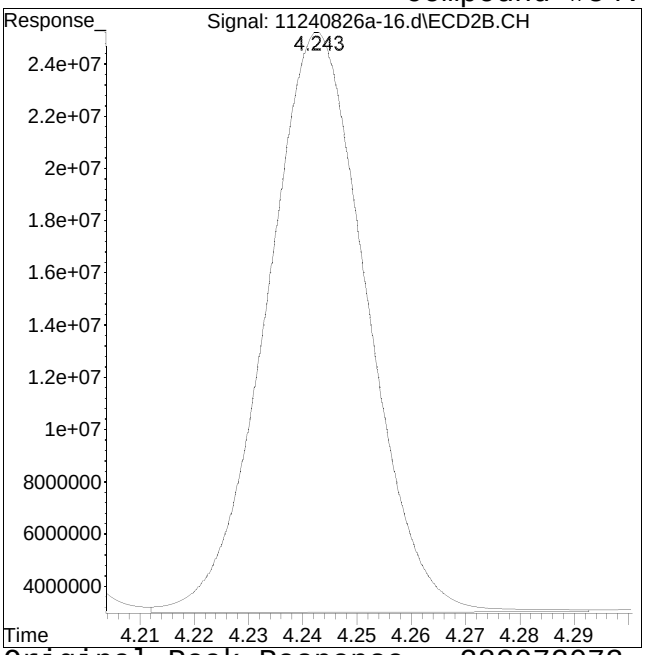


Original Peak Response = 492256672 Manual Peak Response = 475161568 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

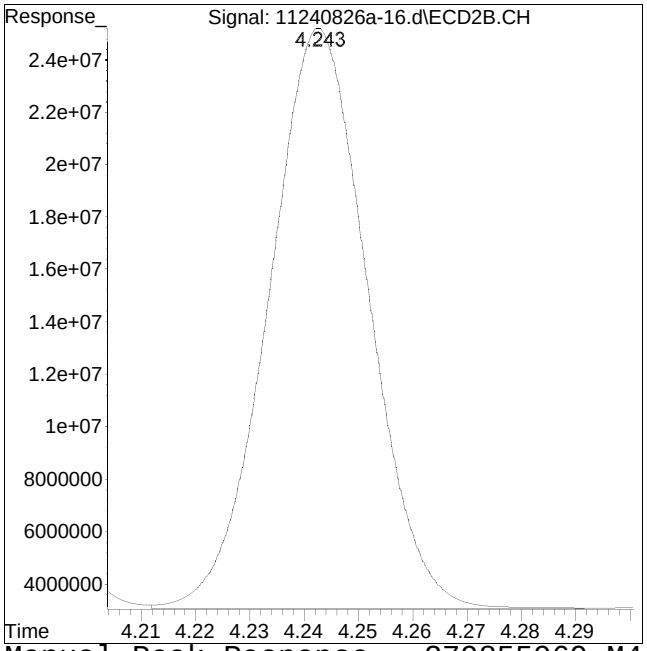
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #54: Endosulfan I #2



Original Peak Response = 283072073



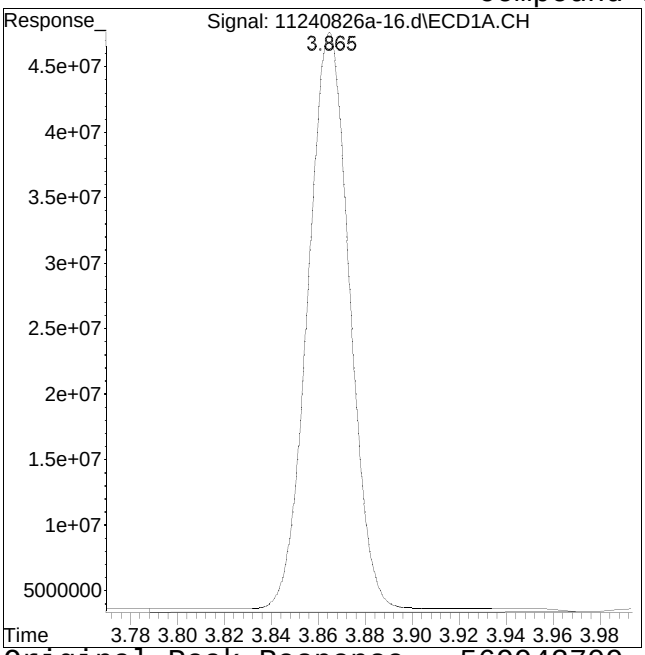
Manual Peak Response = 279855969 M4

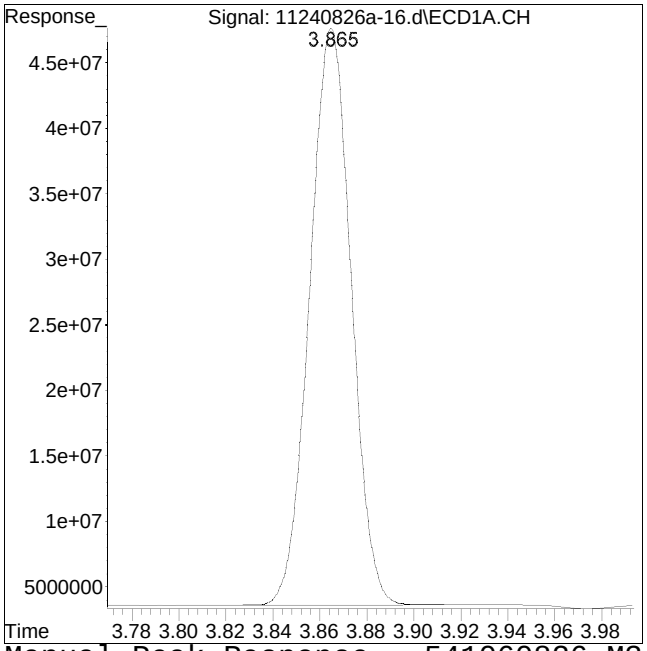
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #17: Dieldrin



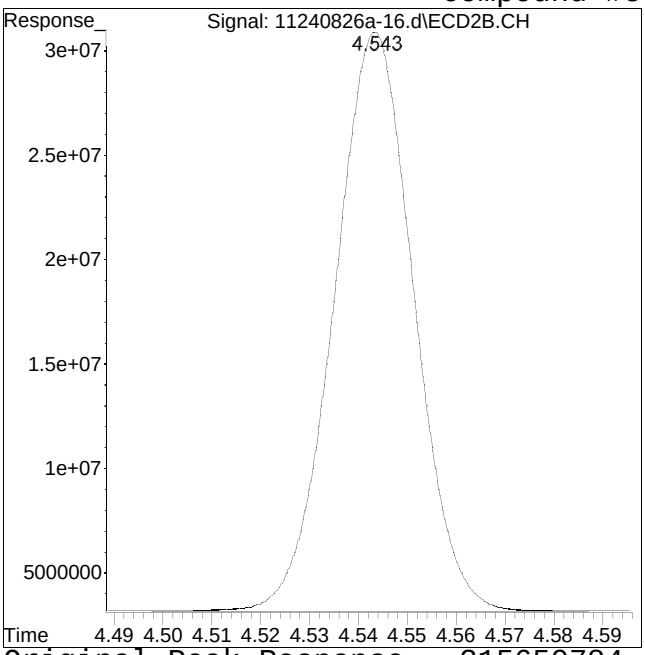


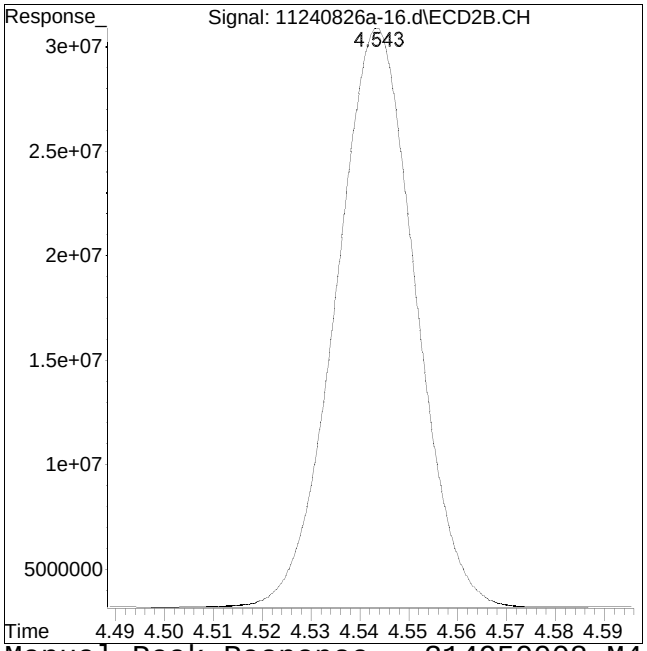
Original Peak Response = 569942709 Manual Peak Response = 541060826 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #55: Dieldrin #2



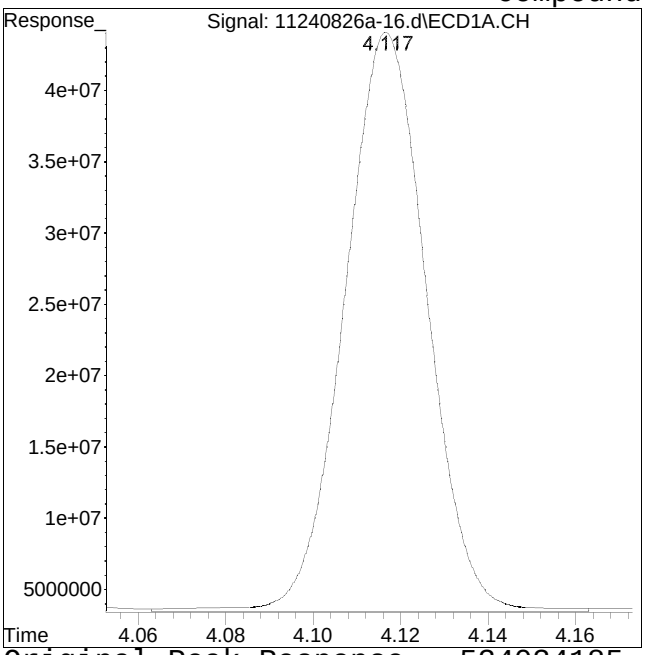


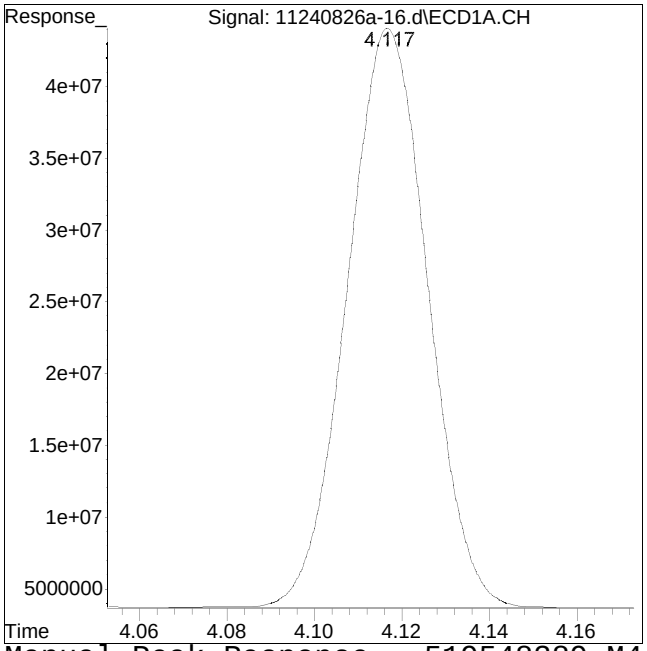
Original Peak Response = 315650784 Manual Peak Response = 314950008 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #18: Endrin



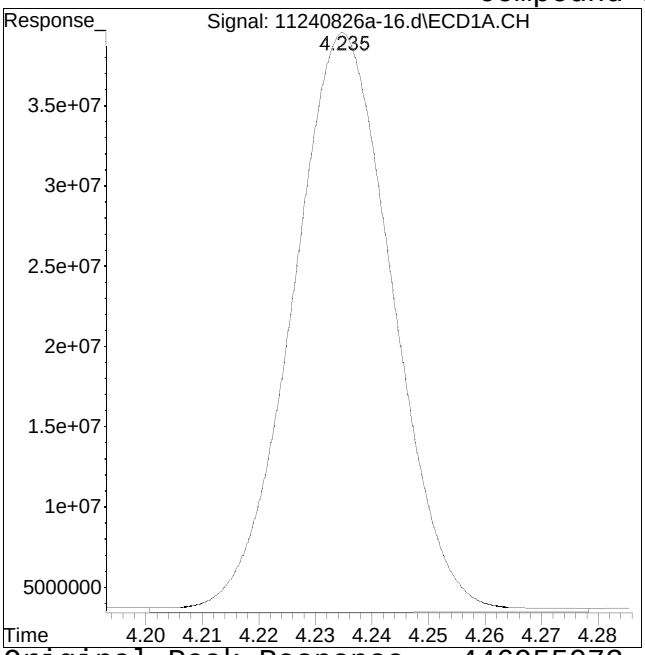


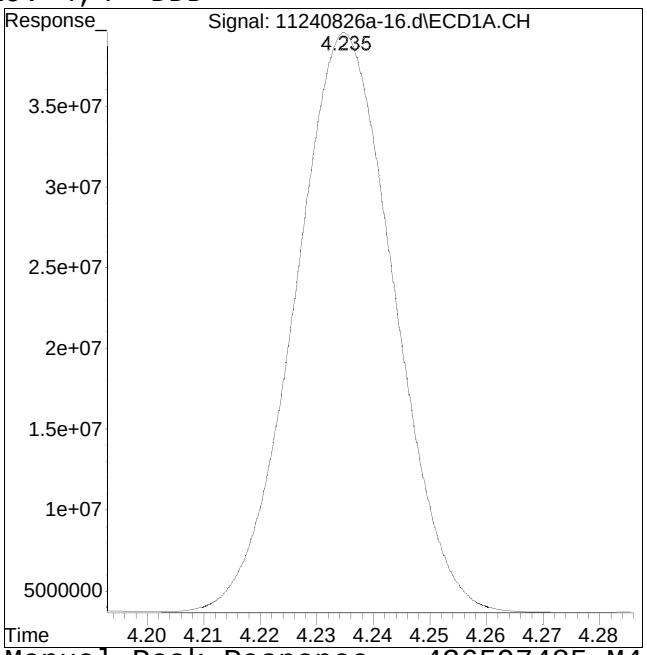
Original Peak Response = 534034185 Manual Peak Response = 519548389 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #19: 4,4'-DDD



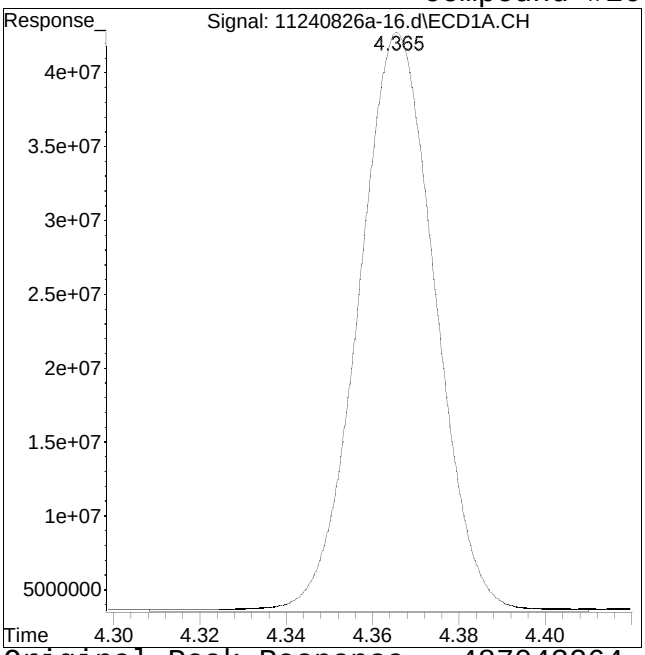


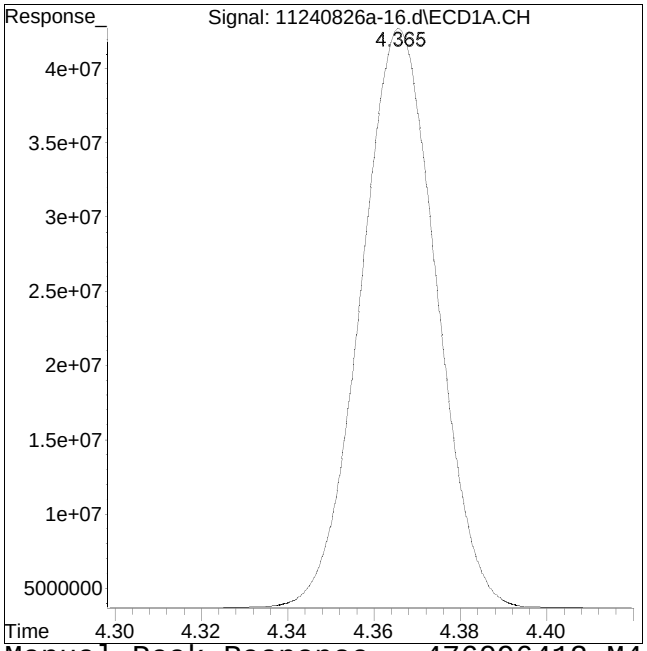
Original Peak Response = 446955973 Manual Peak Response = 436597485 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #20: Endosulfan II



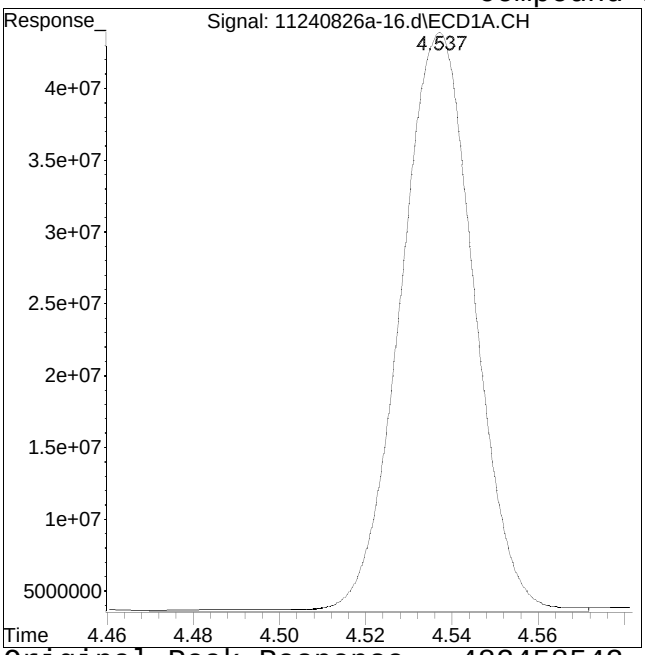


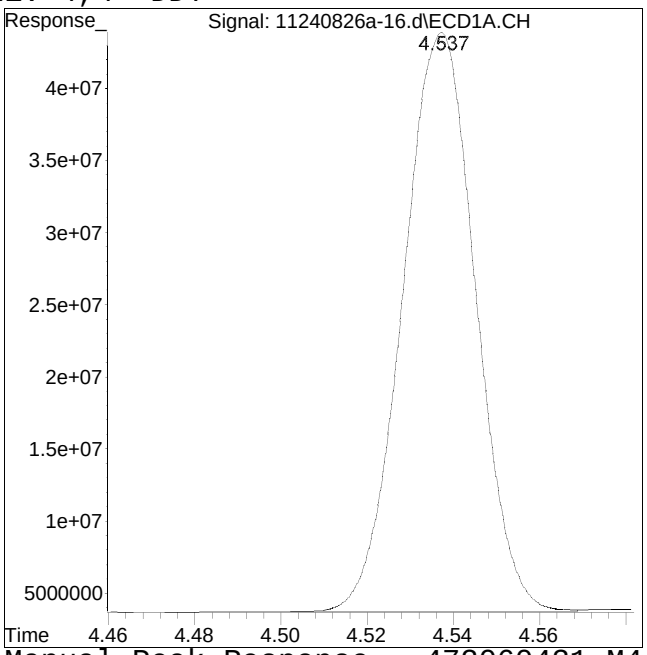
Original Peak Response = 487043264 Manual Peak Response = 476096412 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #21: 4,4'-DDT



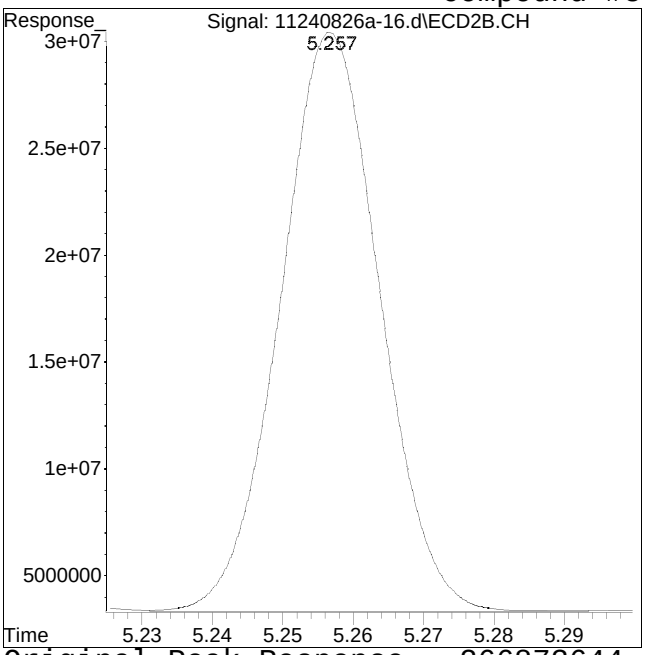


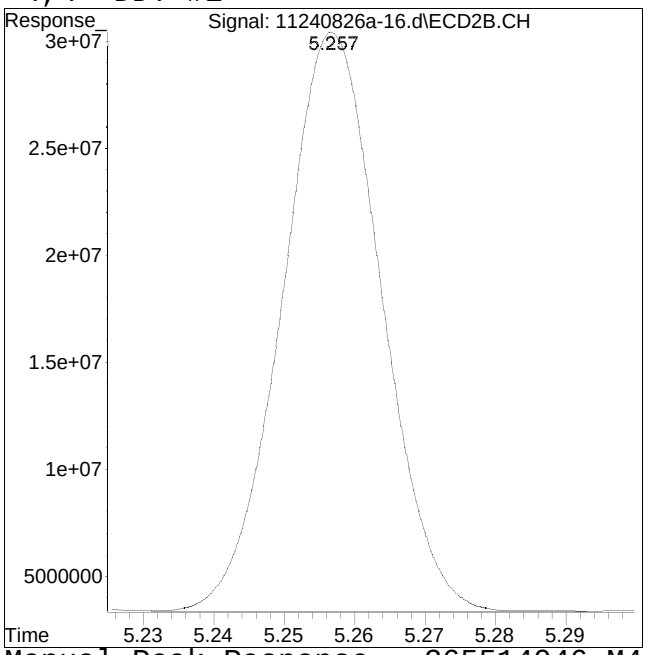
Original Peak Response = 482458542 Manual Peak Response = 472060431 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #59: 4,4'-DDT #2



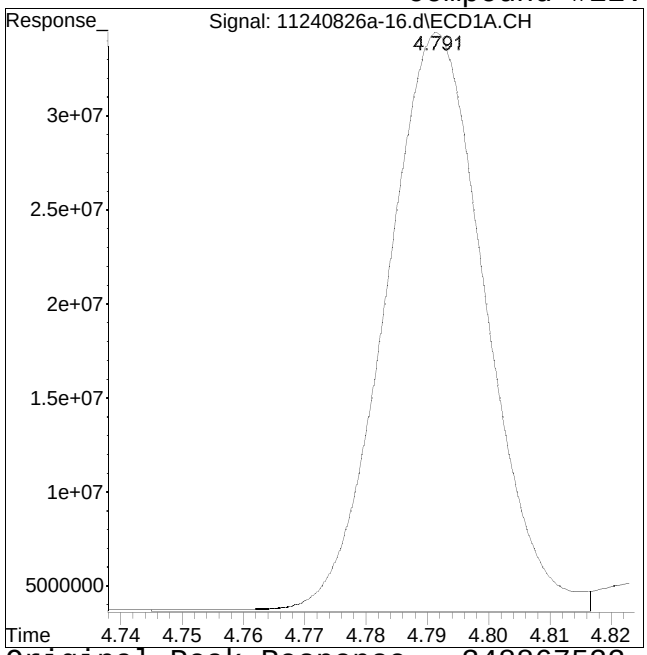


Original Peak Response = 266873644 Manual Peak Response = 265514046 M4
M4 = Poor automated baseline construction.

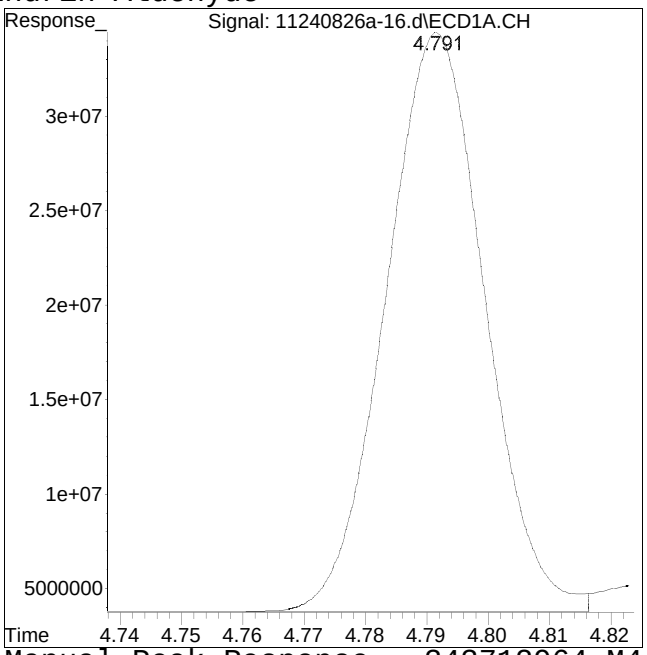
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 348867533



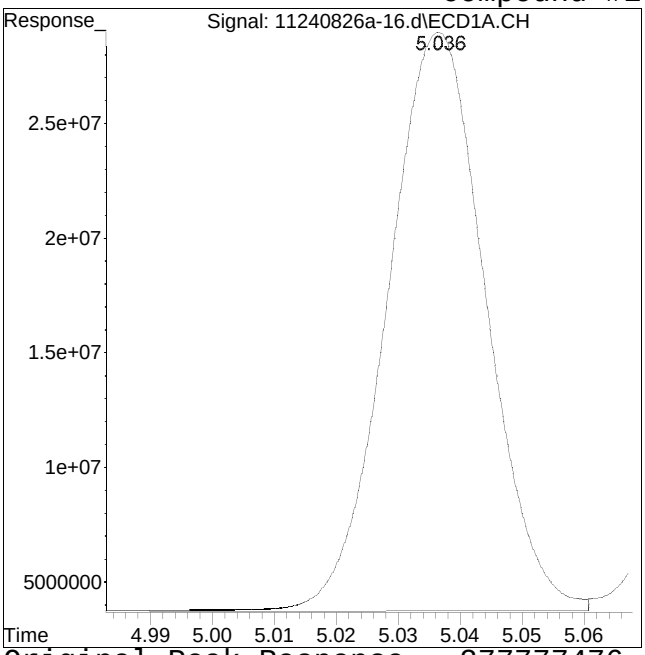
Manual Peak Response = 343712964 M4

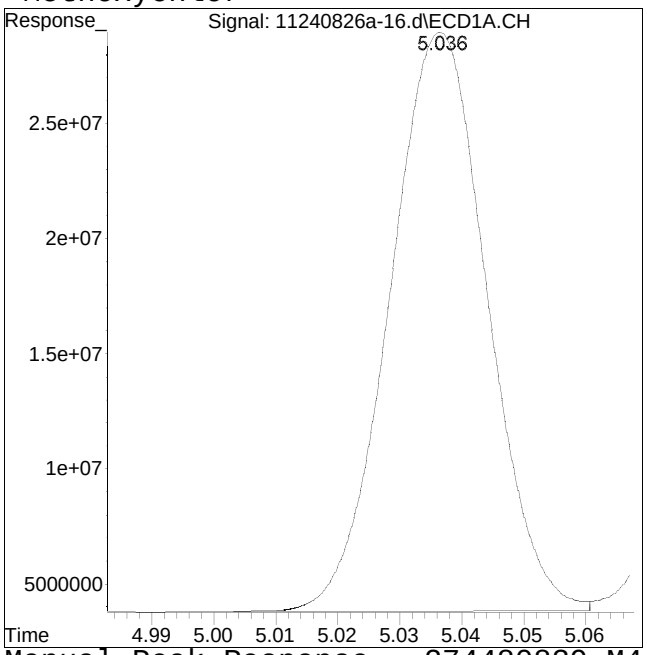
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #23: Methoxychlor



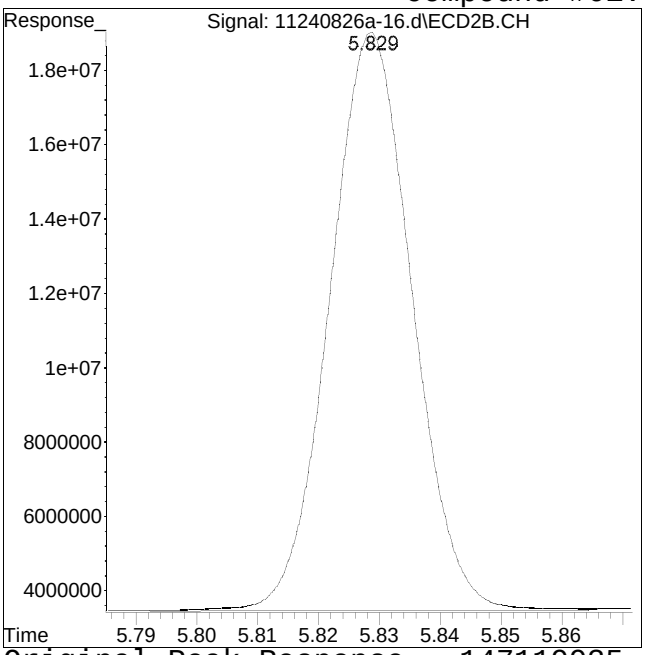


Original Peak Response = 277777476 Manual Peak Response = 274480839 M4
M4 = Poor automated baseline construction.

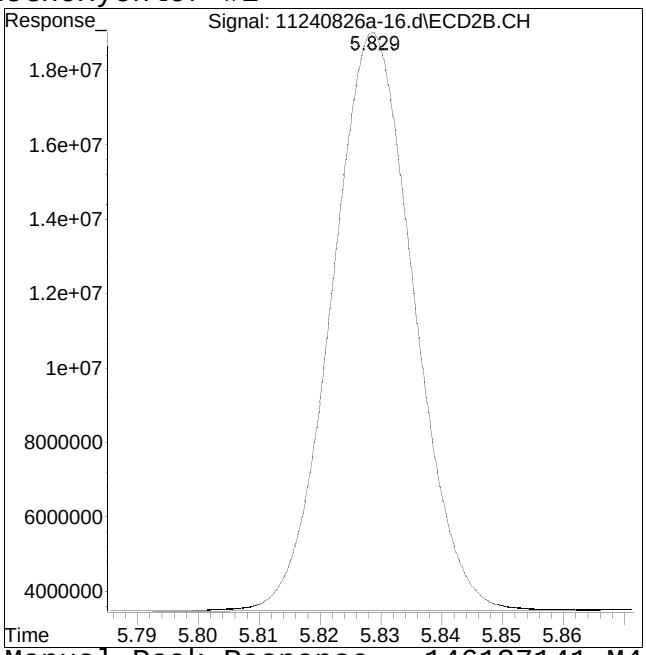
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #61: Methoxychlor #2



Original Peak Response = 147119935



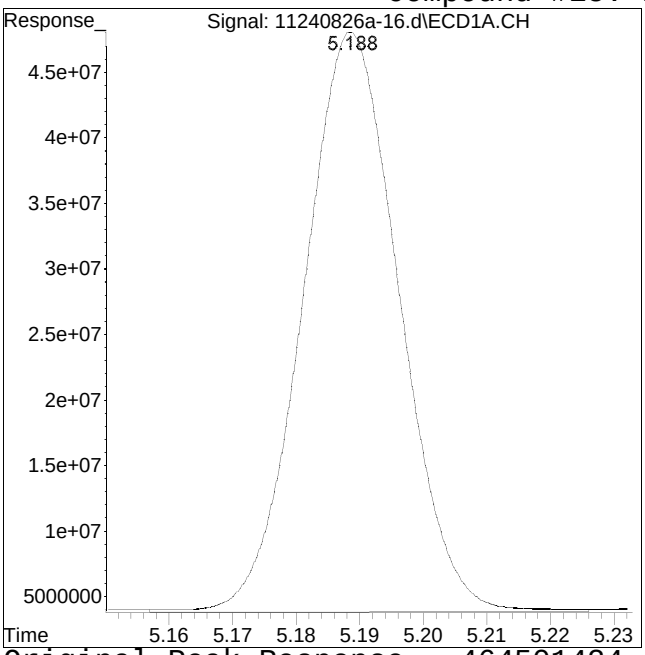
Manual Peak Response = 146137141 M4

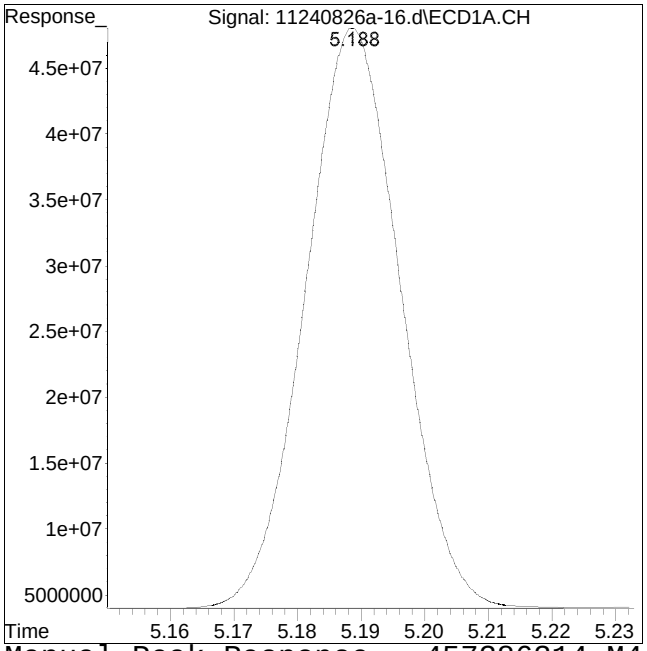
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #25: Endosulfan Sulfate



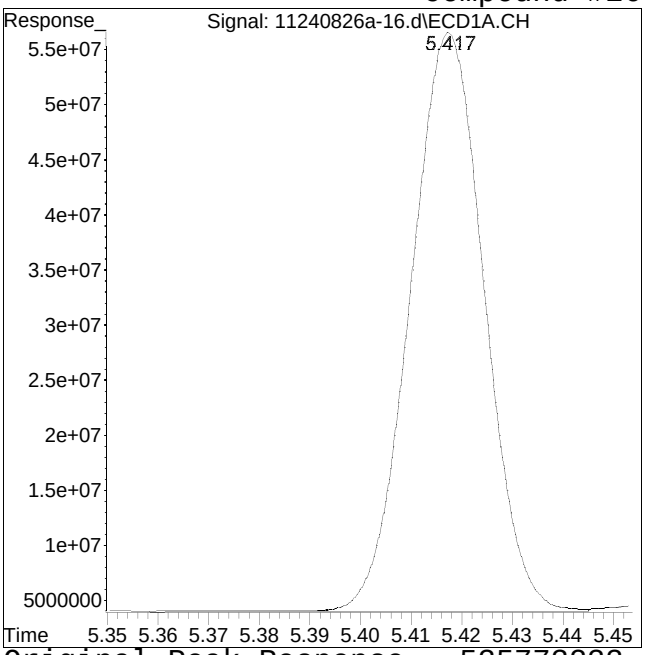


Original Peak Response = 464501424 Manual Peak Response = 457386314 M4
M4 = Poor automated baseline construction.

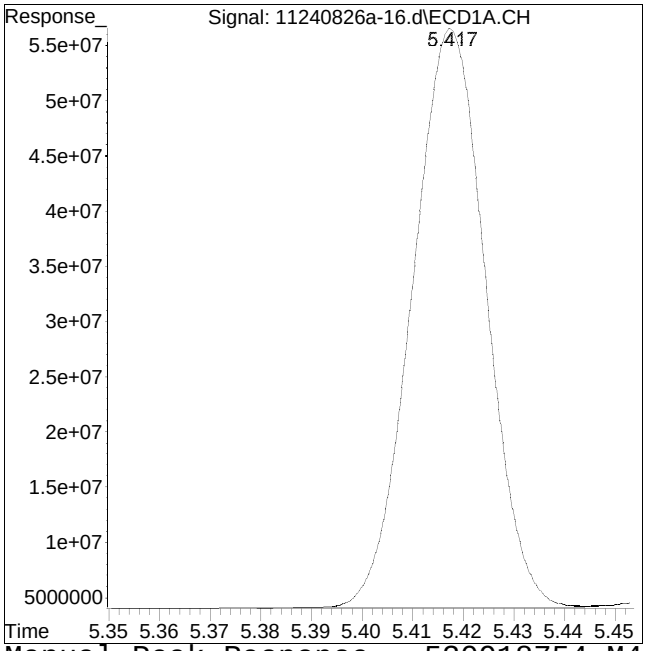
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #26: Endrin Ketone



Original Peak Response = 535773233



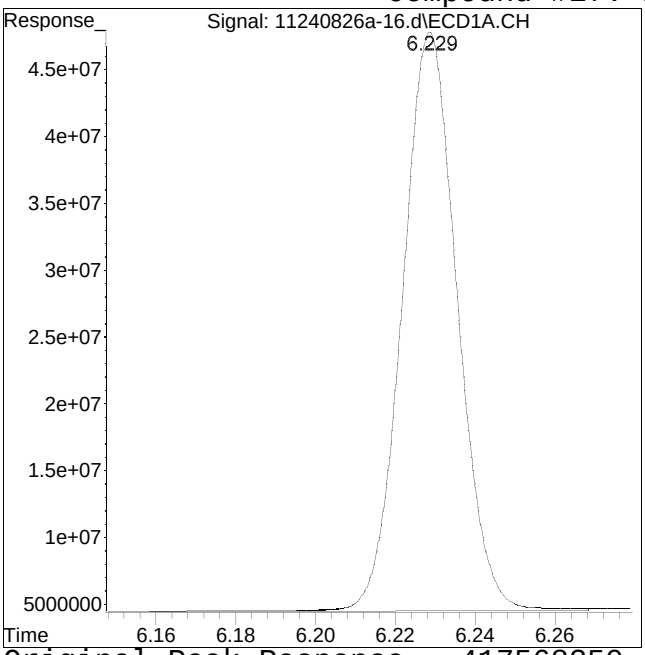
Manual Peak Response = 530918754 M4

M4 = Poor automated baseline construction.

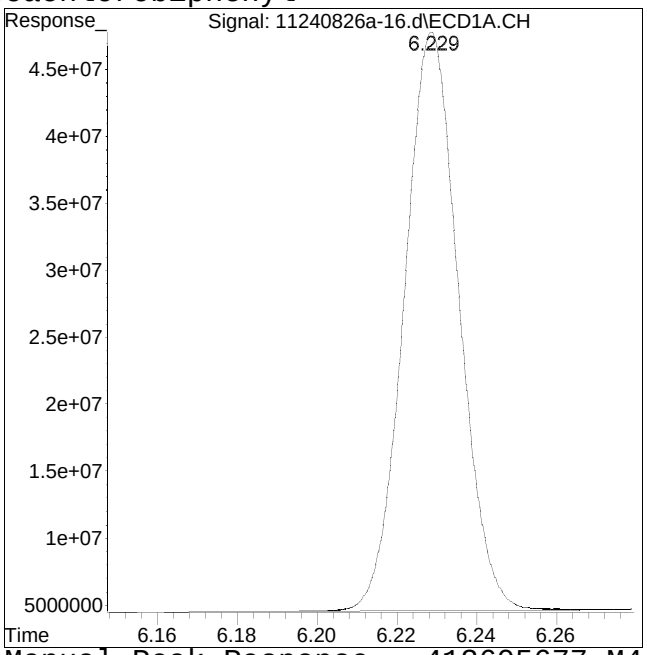
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 417568350



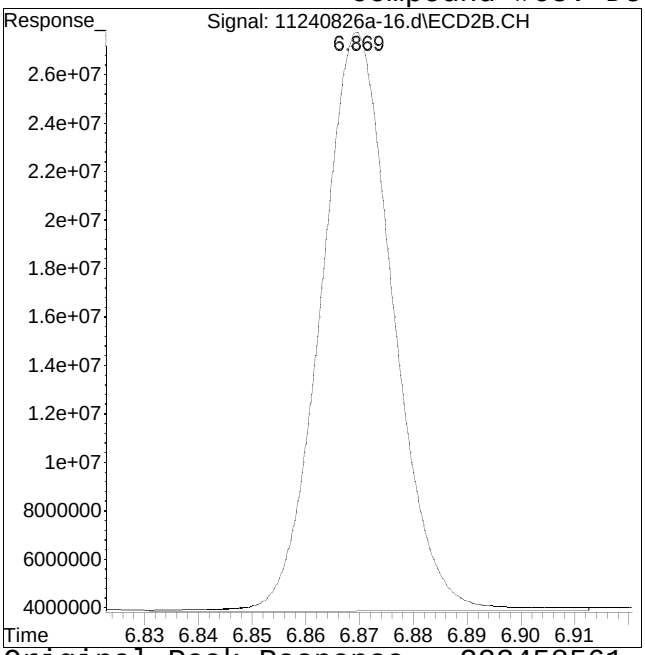
Manual Peak Response = 412605677 M4

M4 = Poor automated baseline construction.

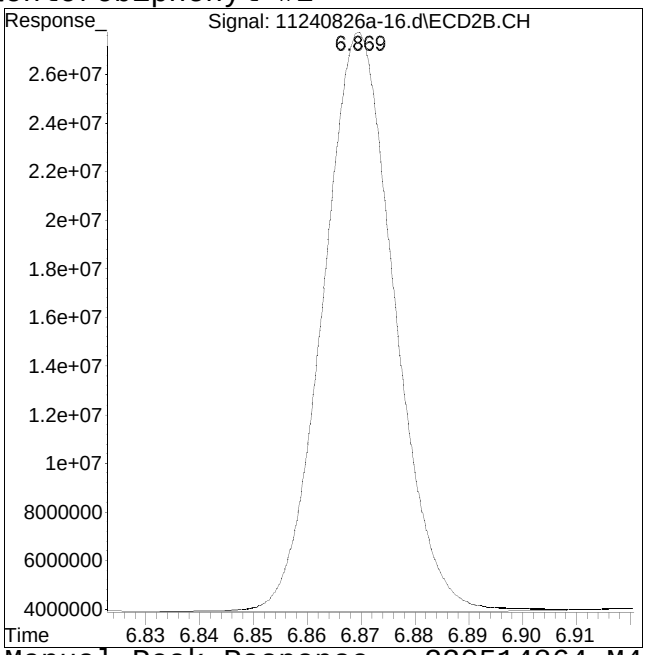
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-16.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:02 Instrument : Pest 11
Sample : WG1963569-2,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 223458561



Manual Peak Response = 220514864 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 9:14
Operator : PEST11:ejl
Sample : WG1963569-3,42,, 570
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:12 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : LCS_MS - spk only

	Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards								
1)	i	1-br-2-nb_Pe	1.264	1.339	302.9E6	191.7E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 226873788					Recovery = 133.51%		
	Standard Area 1 : #2 = 173865216					Recovery = 110.23%		
System Monitoring Compounds								
2)	s	2,4,5,6-Tetr	1.601	1.803	473.4E6	289.7E6	37.600M3	33.929M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	75.20%	67.86%	
27)	s	Decachlorobi	6.228	6.868	429.0E6	228.3E6	30.447M4	28.098M4
	Spiked Amount	50.000	Range 30 - 150		Recovery =	60.89%	56.20%	
Target Compounds								
4)	t	alpha-BHC	1.907	2.207	659.2E6	415.2E6	37.252M3	33.440M4
5)	t	gamma-BHC (l	2.105	2.487	642.4E6	382.2E6	37.998M4	32.390M4
6)	t	beta-BHC	2.160	2.552	282.1E6	169.4E6	37.090M4	34.832M4
7)	t	delta-BHC	2.285	2.814	620.5E6	330.2E6	37.273M4	28.282M4
8)	t	Heptachlor	2.445	2.874	650.8E6	370.4E6	40.661M3	30.246M3
9)	t	Aldrin	2.684	3.188	574.3E6	340.6E6	38.437M4	30.966M4
12)	t	Heptachlor E	3.219	3.792	569.9E6	325.6E6	39.679M3	29.796M4
13)	t	gamma-Chlord	3.342	4.010	593.7E6	343.3E6	45.499M3	34.142M4
14)	t	alpha-Chlord	3.475	4.181	544.5E6	337.2E6	36.951M3	30.419M4
15)	t	4,4'-DDE	3.572	4.388	574.3E6	330.9E6	39.778M3	32.146M4
16)	t	Endosulfan I	3.607	4.244	534.6E6	314.1E6	39.534M3	30.764M4
17)	t	Dieldrin	3.864	4.544	613.3E6	355.4E6	44.591M3	34.923M4
18)	t	Endrin	4.116	4.848	589.3E6	333.8E6	42.189M4	32.336M4
19)	t	4,4'-DDD	4.235	4.977	497.9E6	279.0E6	44.317M4	33.579M4
20)	t	Endosulfan I	4.365	5.051	537.4E6	305.1E6	42.157M4	32.798M4
21)	t	4,4'-DDT	4.537	5.257	546.2E6	302.1E6	42.593M3	31.520M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 9:14
Operator : PEST11:ejl
Sample : WG1963569-3,42,, 570
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:12 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.791	5.352	389.5E6	225.2E6	36.266M4	31.314M4
23) t Methoxychlor	5.036	5.829	308.5E6	164.2E6	43.022M3	30.412M3
25) t Endosulfan S	5.188	5.583	515.3E6	286.2E6	42.120M4	31.130M4
26) t Endrin Keton	5.417	5.996	597.5E6	335.6E6	41.679M4	34.717M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

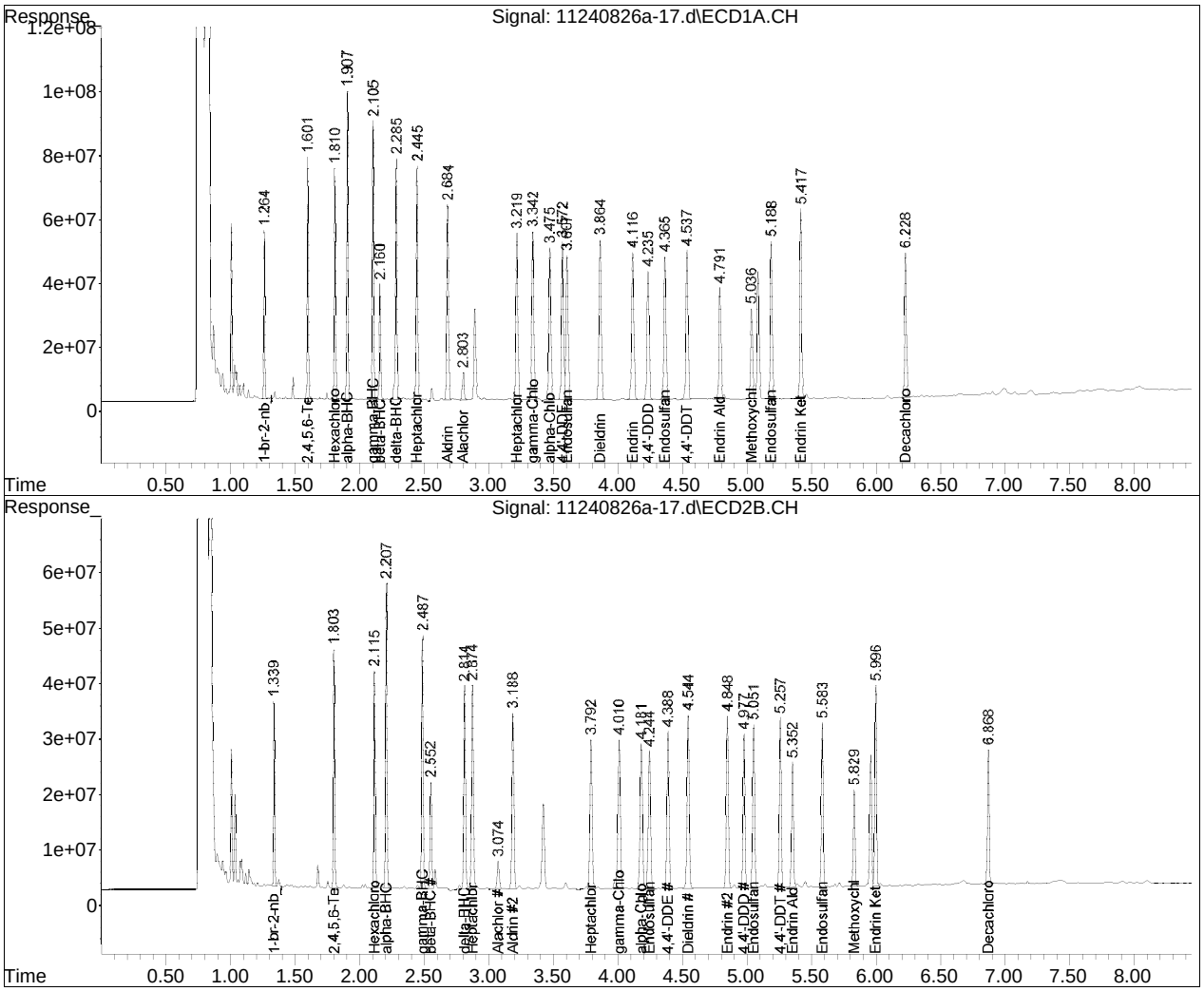
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only1\2024\240826A\11240826a-03.d•

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 9:14
Operator : PEST11:ejl
Sample : WG1963569-3,42,, 570
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:12 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

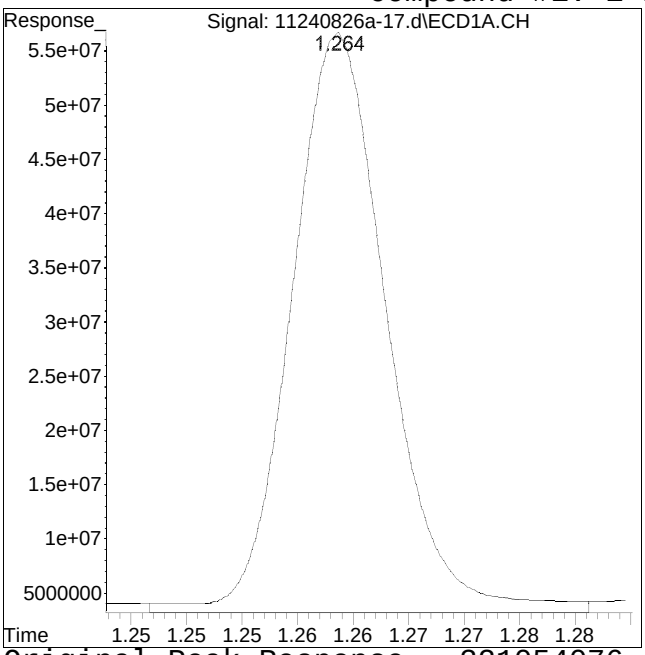
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

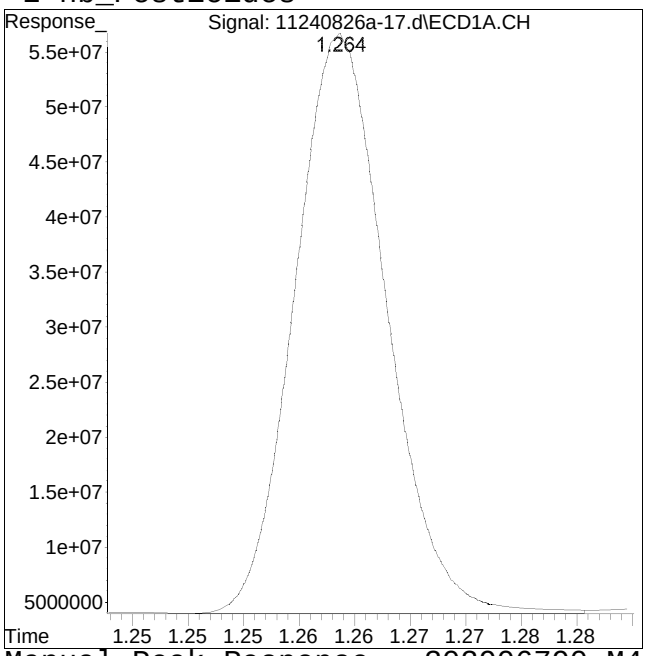


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #1: 1-br-2-nb_Pesticides



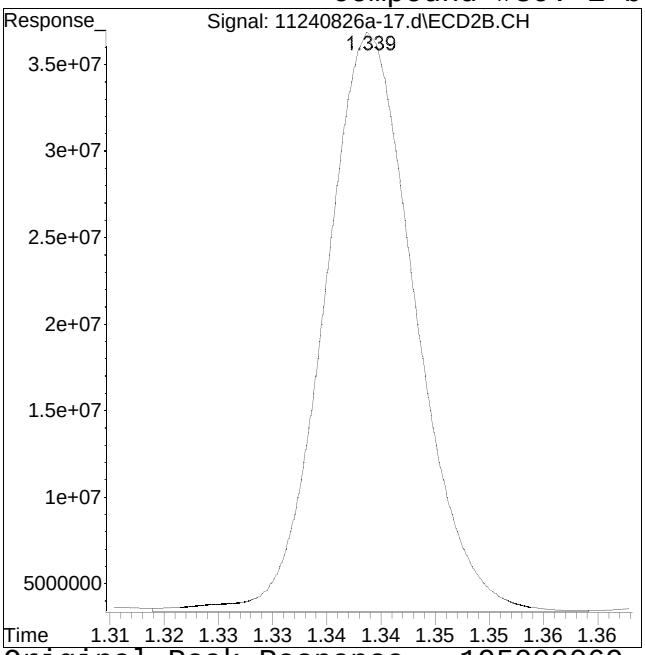


Original Peak Response = 321054076 Manual Peak Response = 302906790 M4
M4 = Poor automated baseline construction.

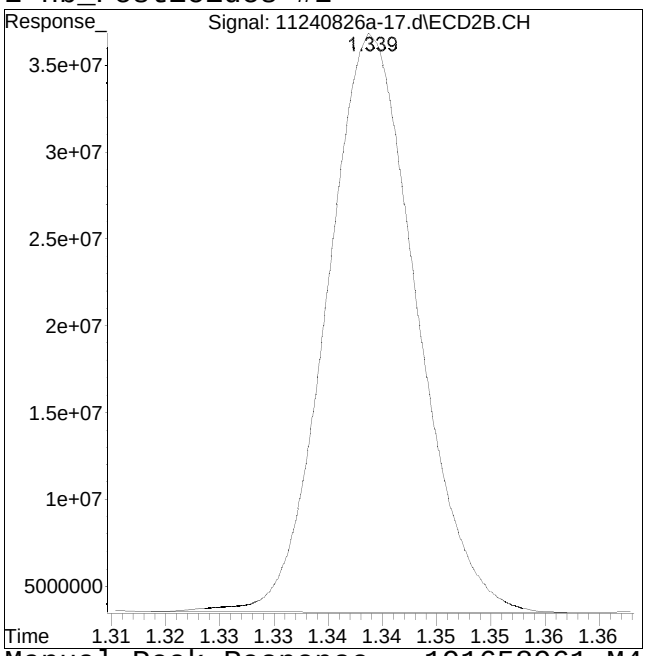
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 195099069



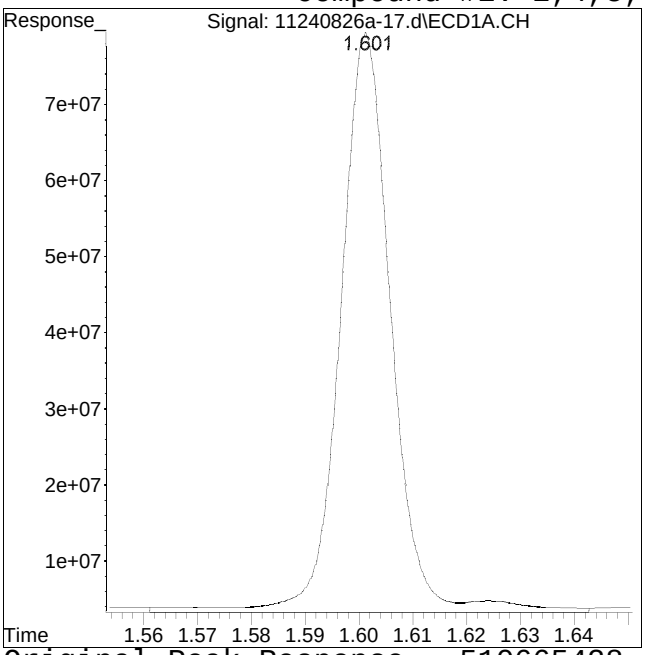
Manual Peak Response = 191658961 M4

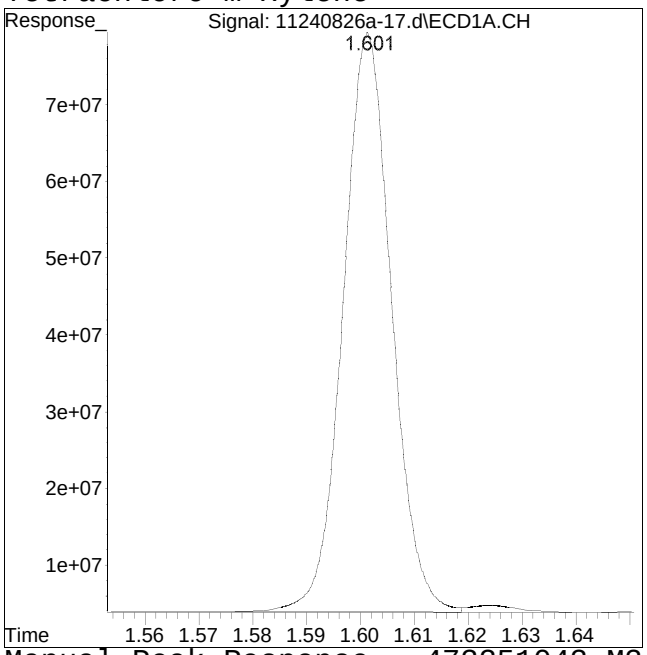
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



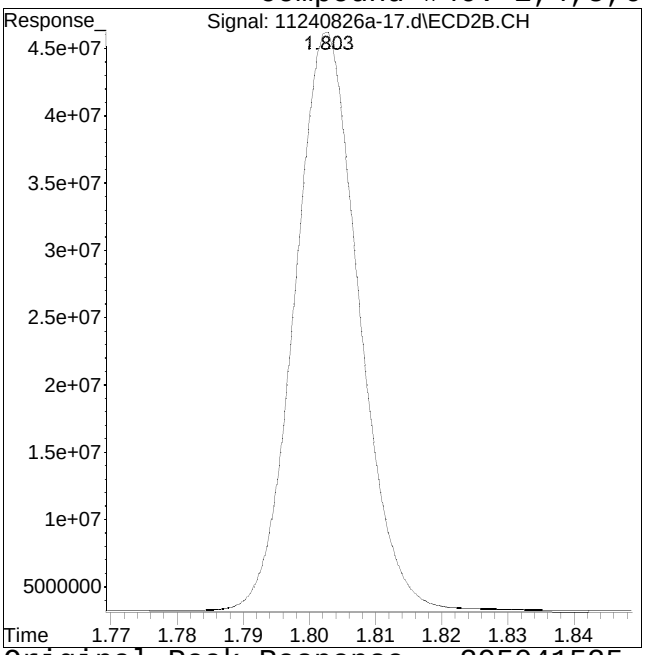


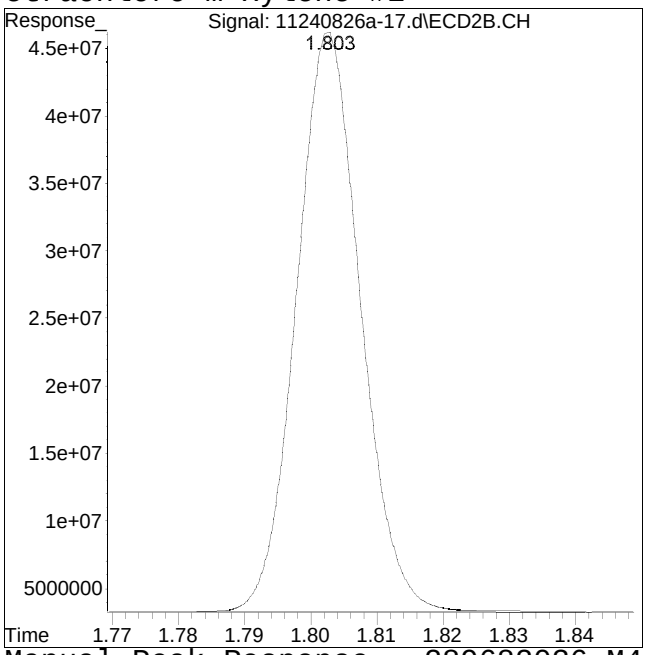
Original Peak Response = 510665428 Manual Peak Response = 473351043 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



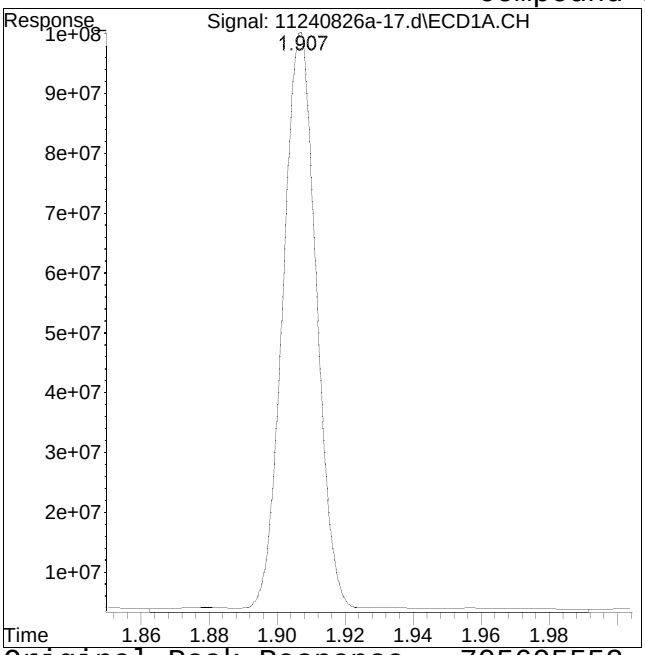


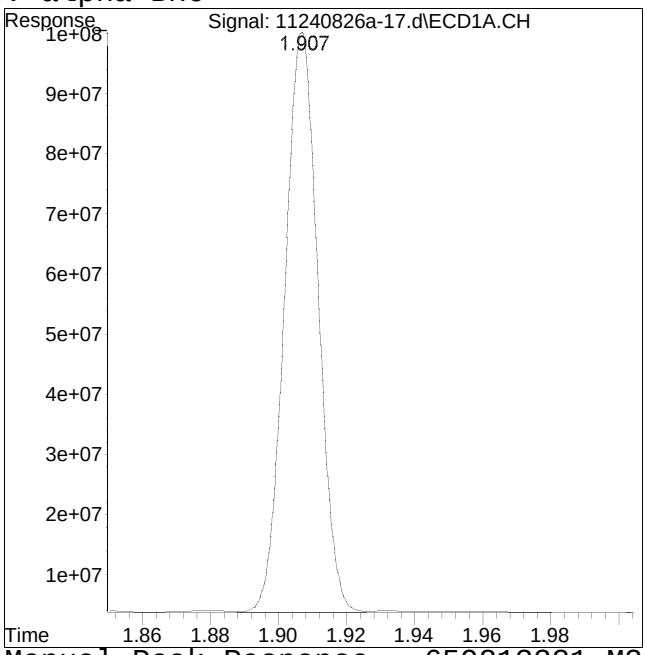
Original Peak Response = 295041525 Manual Peak Response = 289682036 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #4: alpha-BHC



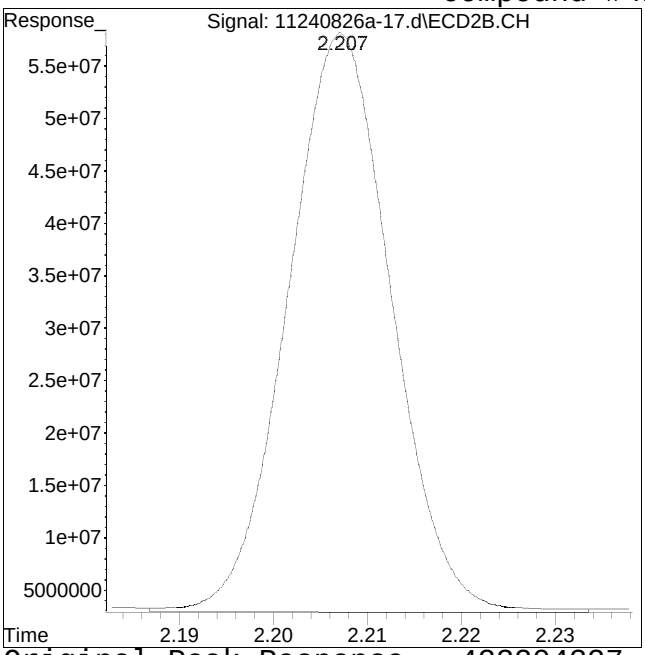


Original Peak Response = 705605552 Manual Peak Response = 659213321 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

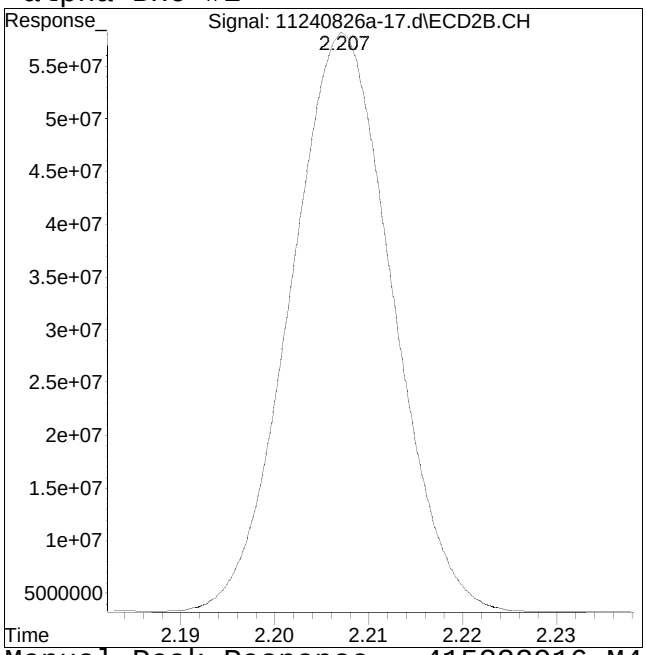
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #42: alpha-BHC #2



Original Peak Response = 423204327



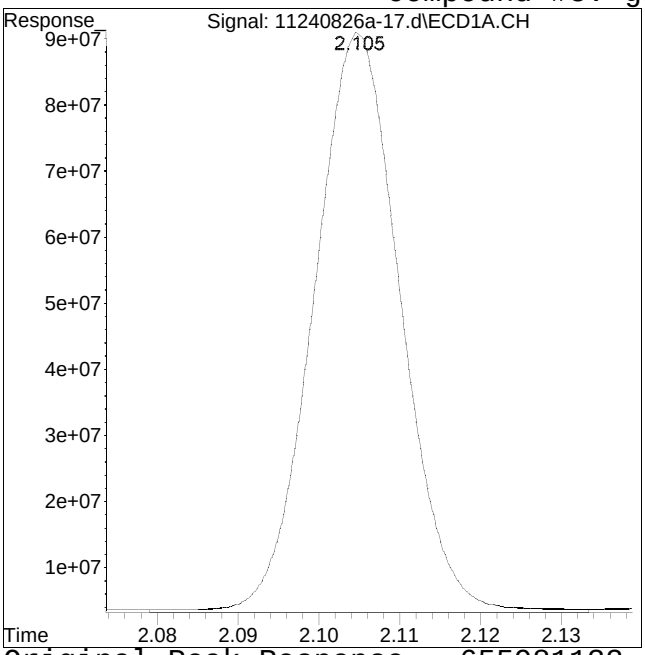
Manual Peak Response = 415222916 M4

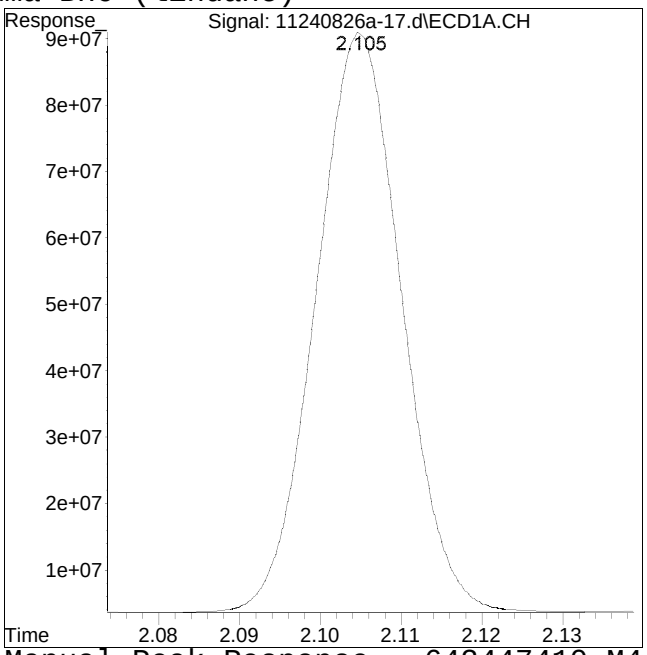
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #5: gamma-BHC (lindane)



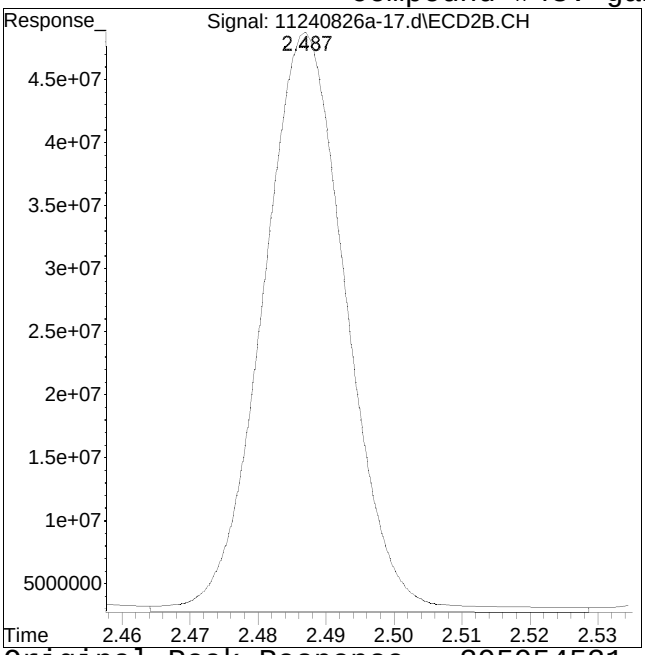


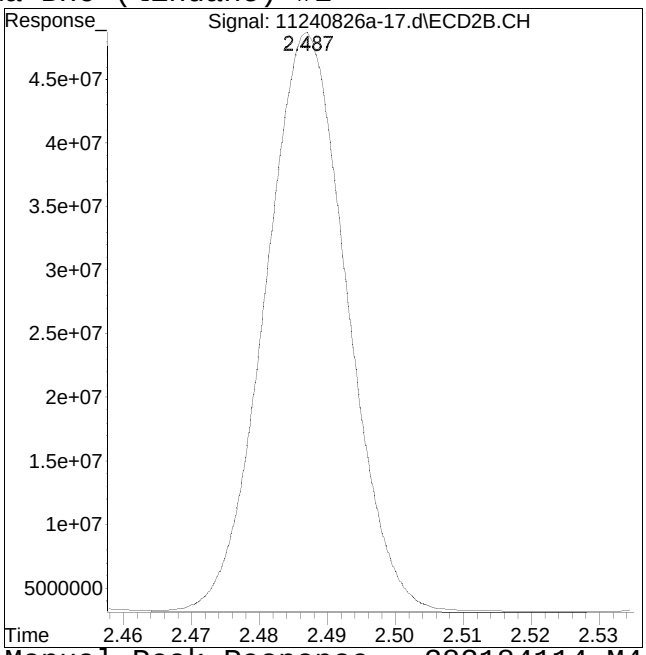
Original Peak Response = 655981132 Manual Peak Response = 642447410 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #43: gamma-BHC (lindane) #2



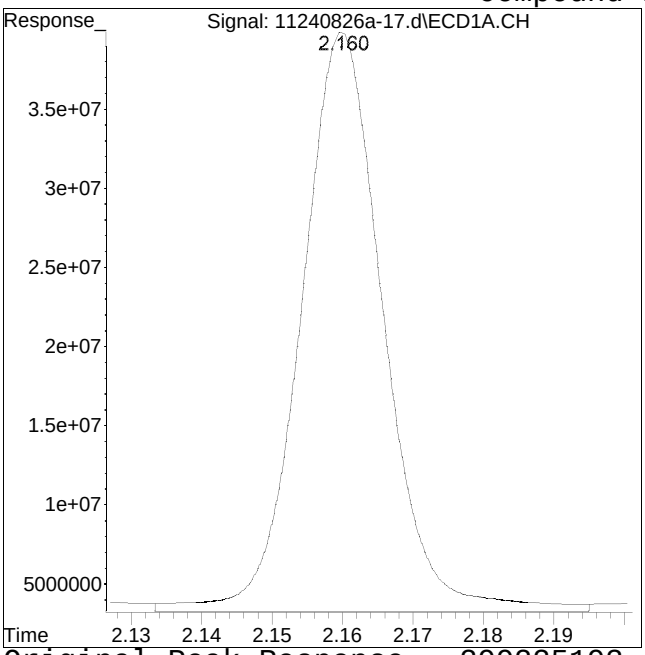


Original Peak Response = 395954531 Manual Peak Response = 382184114 M4
M4 = Poor automated baseline construction.

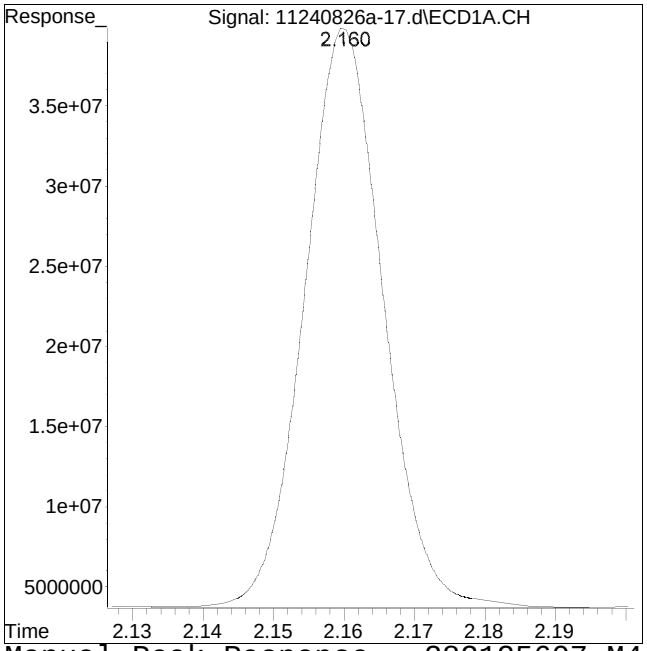
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #6: beta-BHC



Original Peak Response = 299225193



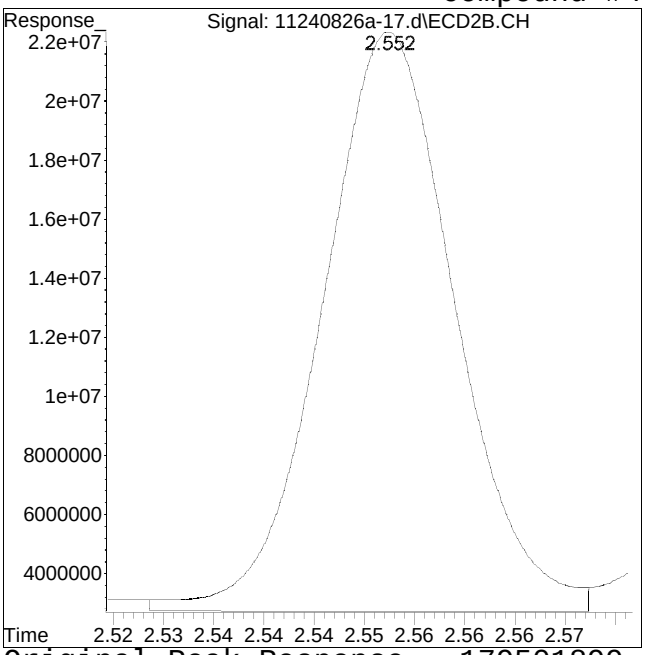
Manual Peak Response = 282125607 M4

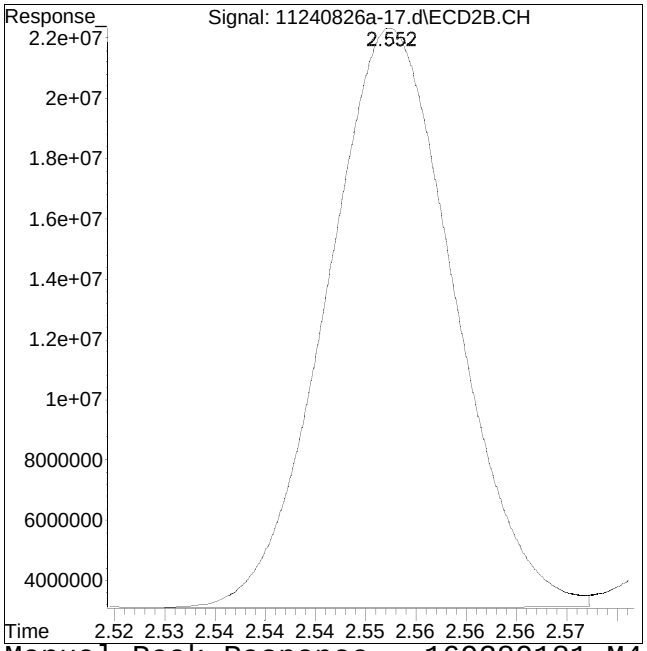
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #44: beta-BHC #2



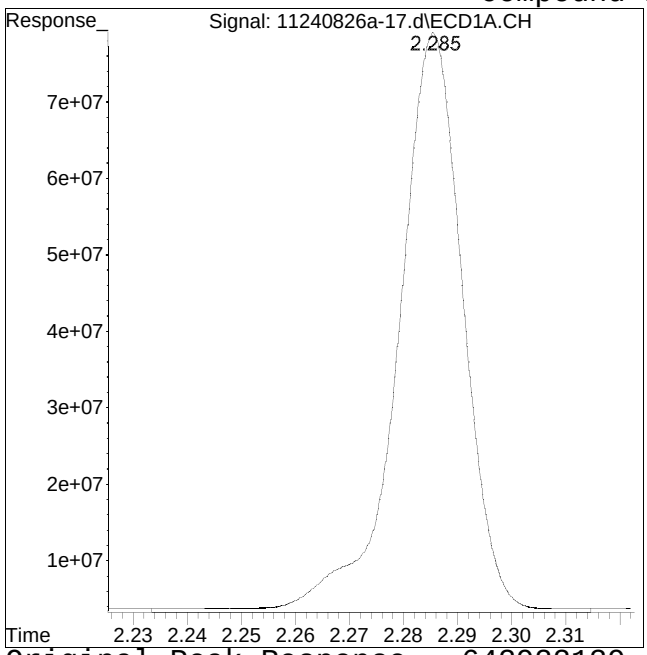


Original Peak Response = 179501899 Manual Peak Response = 169380181 M4
M4 = Poor automated baseline construction.

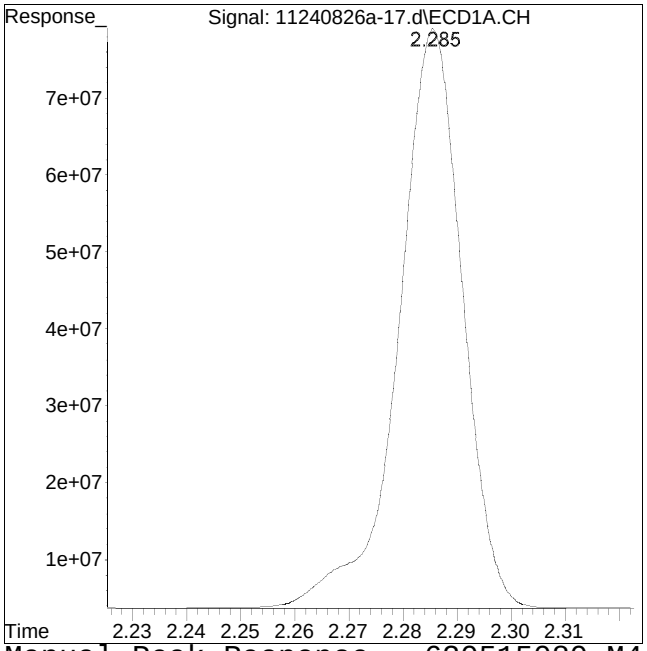
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #7: delta-BHC



Original Peak Response = 642922139



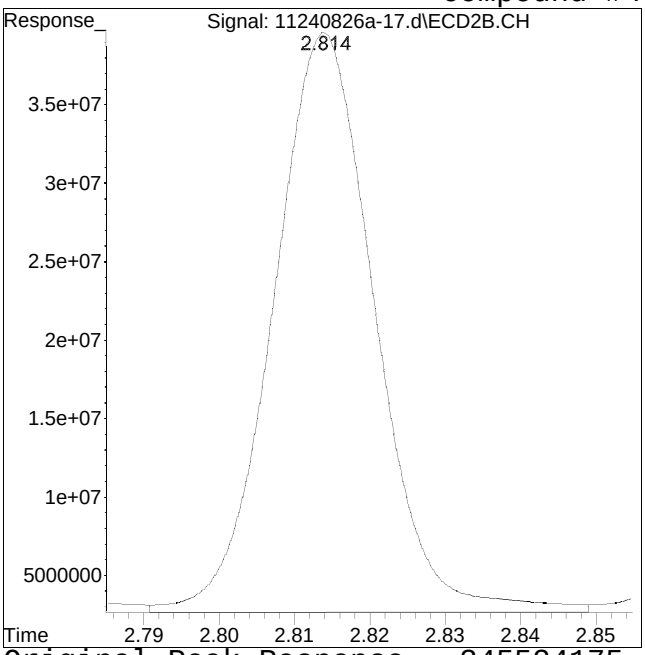
Manual Peak Response = 620515080 M4

M4 = Poor automated baseline construction.

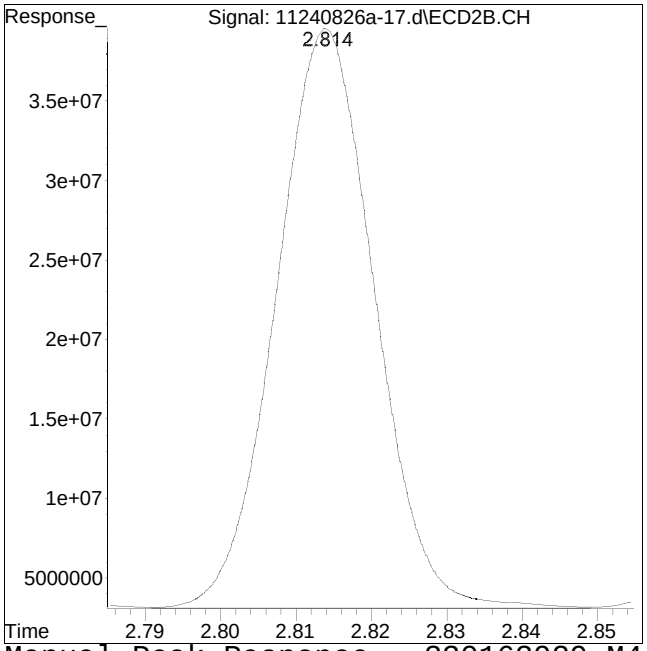
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #45: delta-BHC #2



Original Peak Response = 345524175

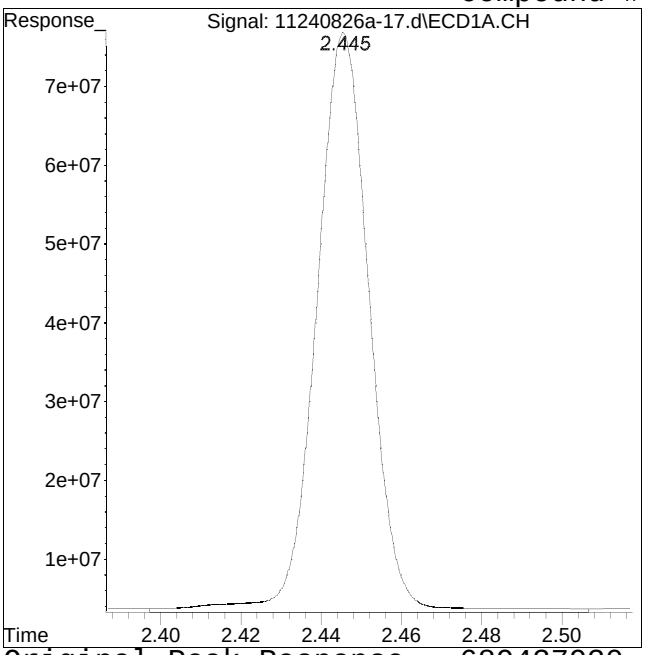


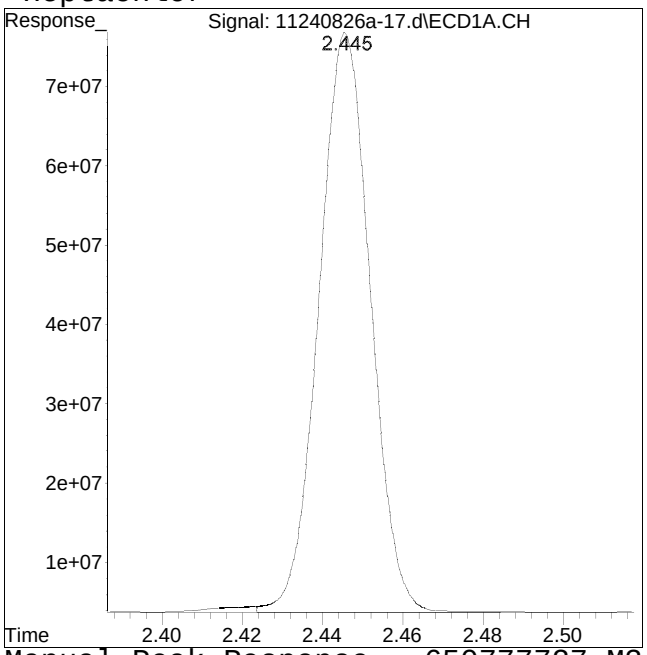
Manual Peak Response = 330163929 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #8: Heptachlor



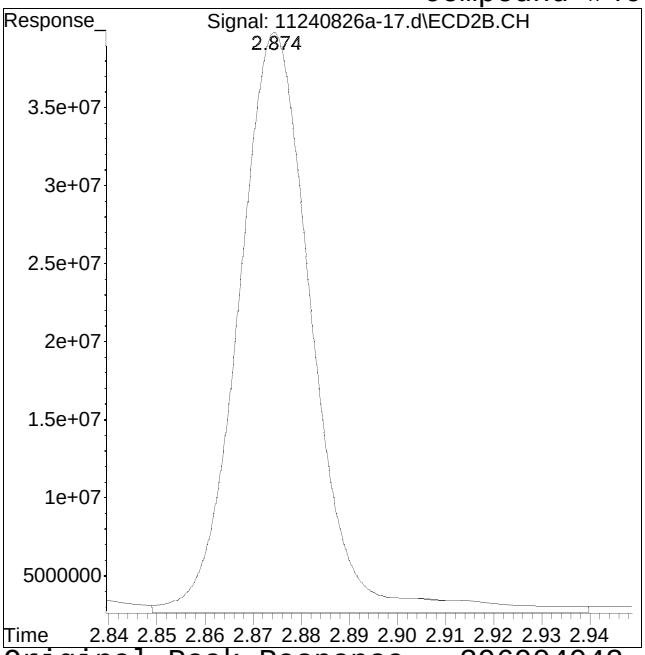


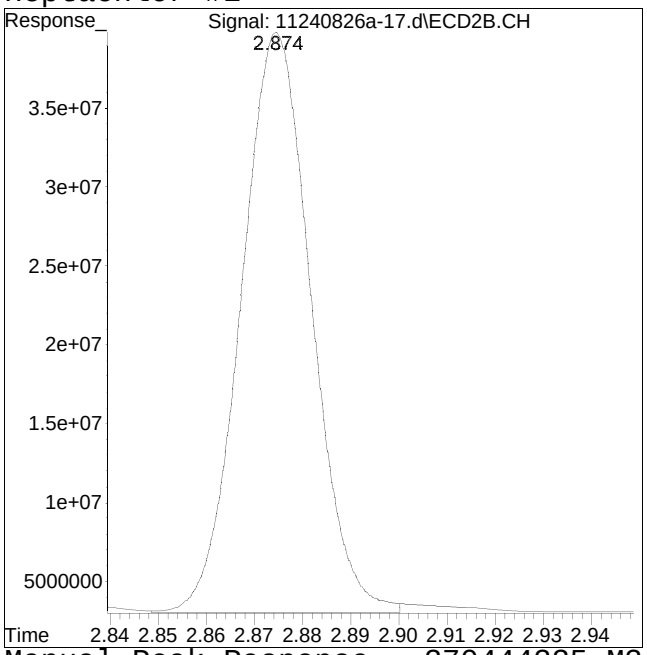
Original Peak Response = 689437930 Manual Peak Response = 650777727 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #46: Heptachlor #2



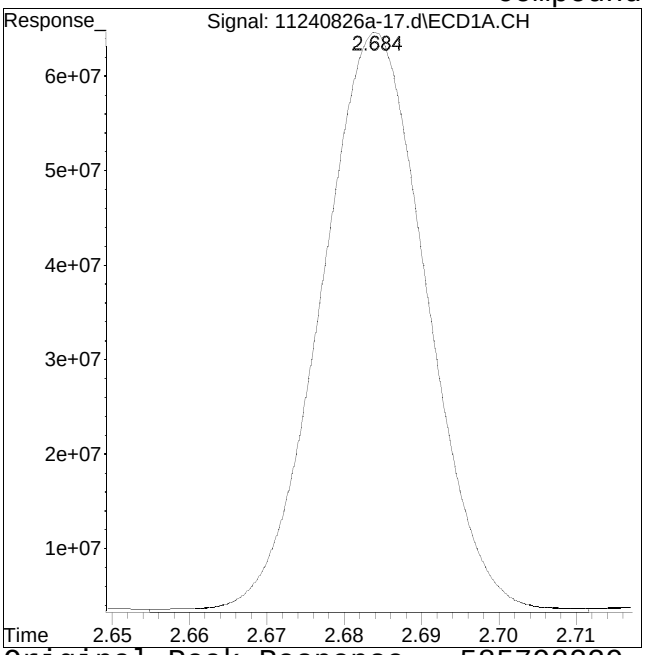


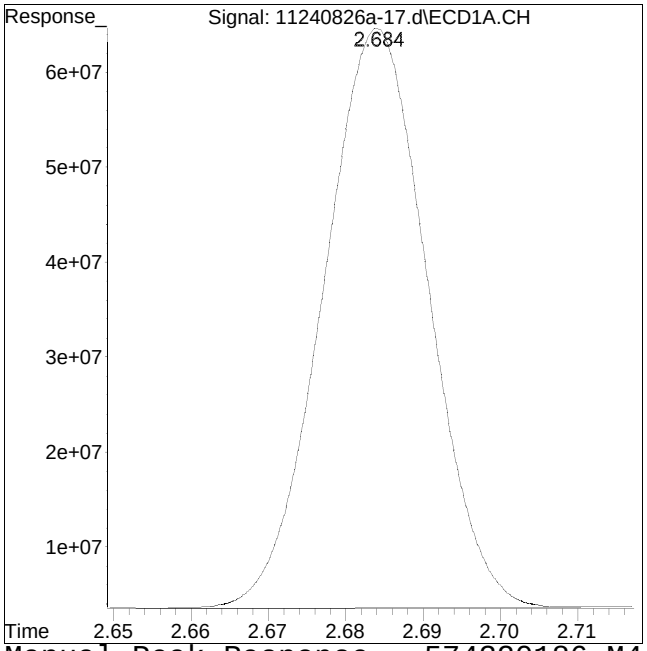
Original Peak Response = 396904943 Manual Peak Response = 370444335 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #9: Aldrin



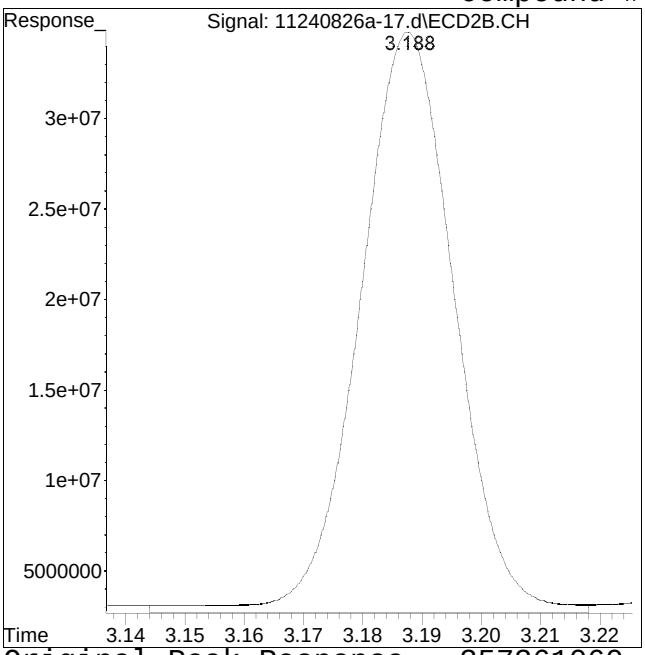


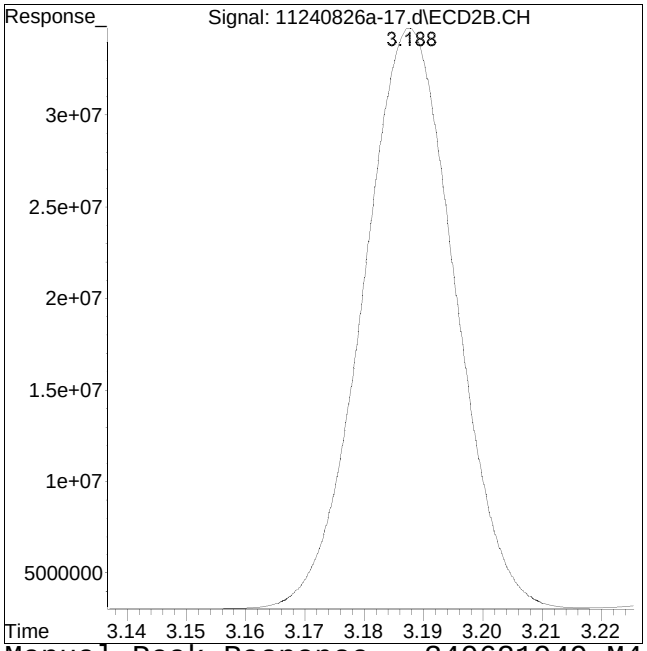
Original Peak Response = 585792229 Manual Peak Response = 574320186 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #47: Aldrin #2



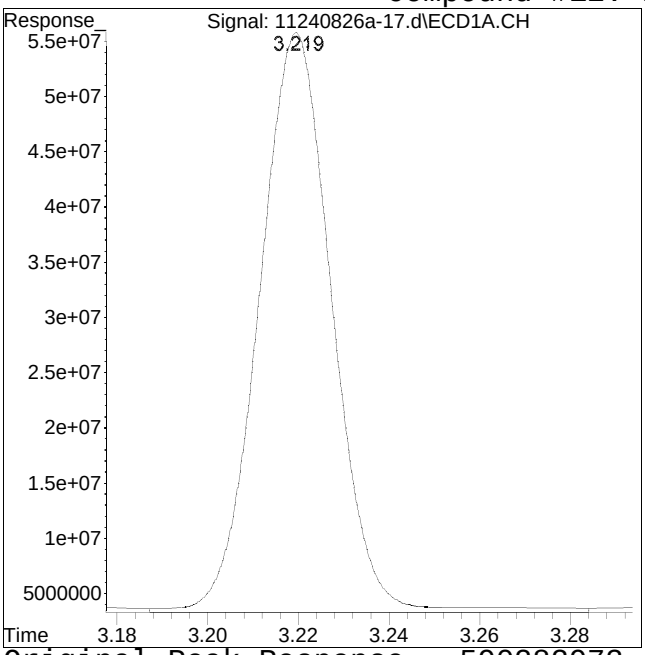


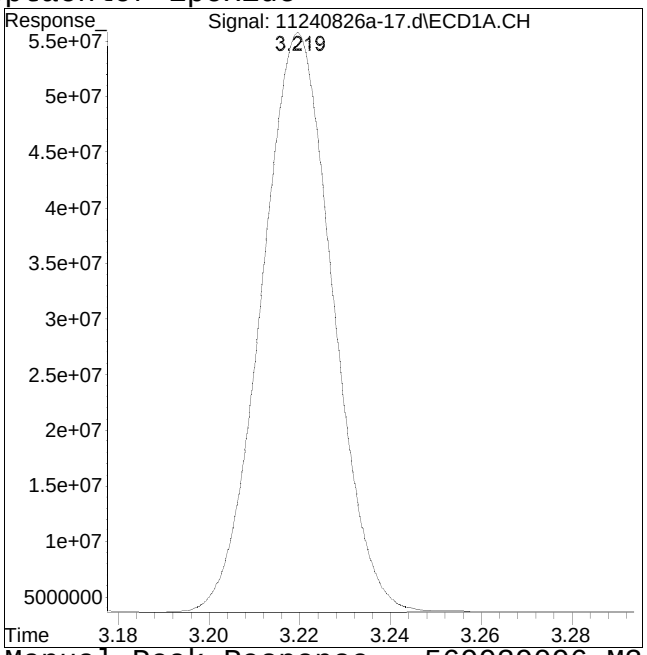
Original Peak Response = 357361060 Manual Peak Response = 340621949 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #12: Heptachlor Epoxide



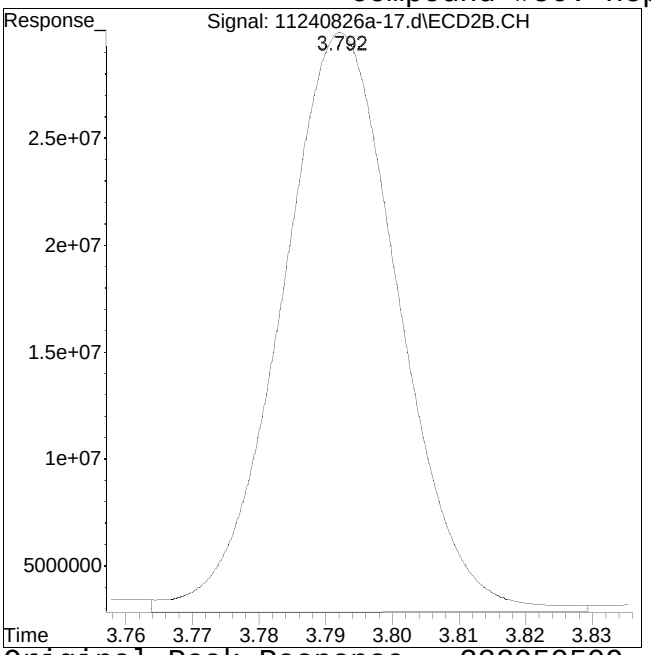


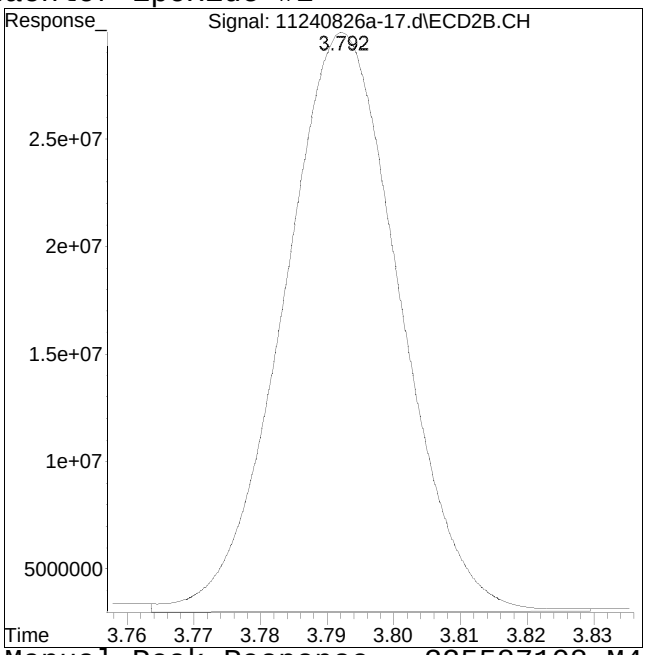
Original Peak Response = 590282973 Manual Peak Response = 569939096 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #50: Heptachlor Epoxide #2



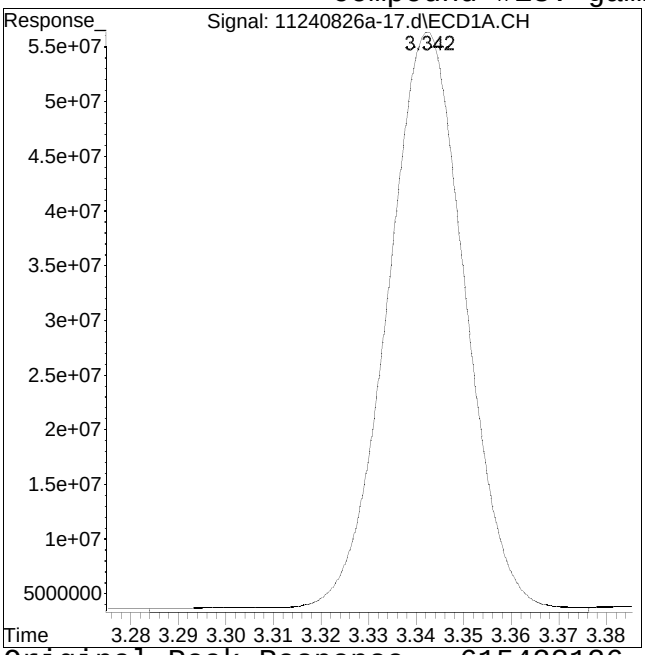


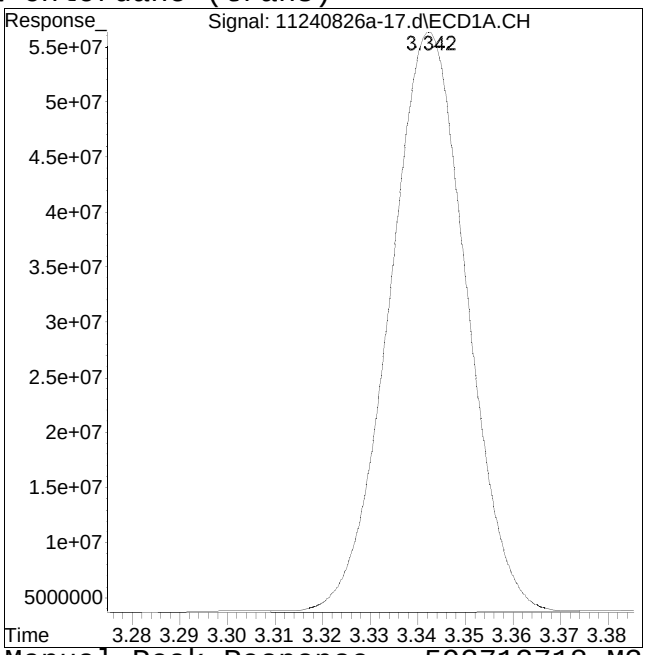
Original Peak Response = 332959509 Manual Peak Response = 325587108 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #13: gamma-Chlordane (trans)



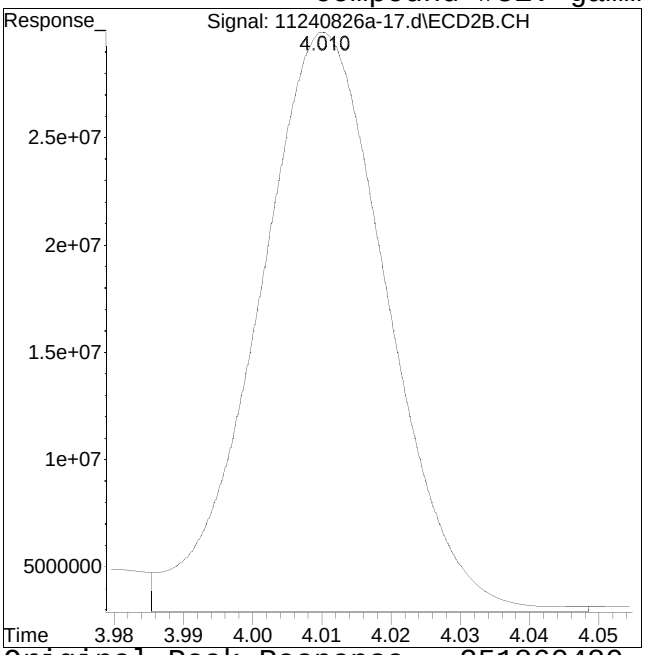


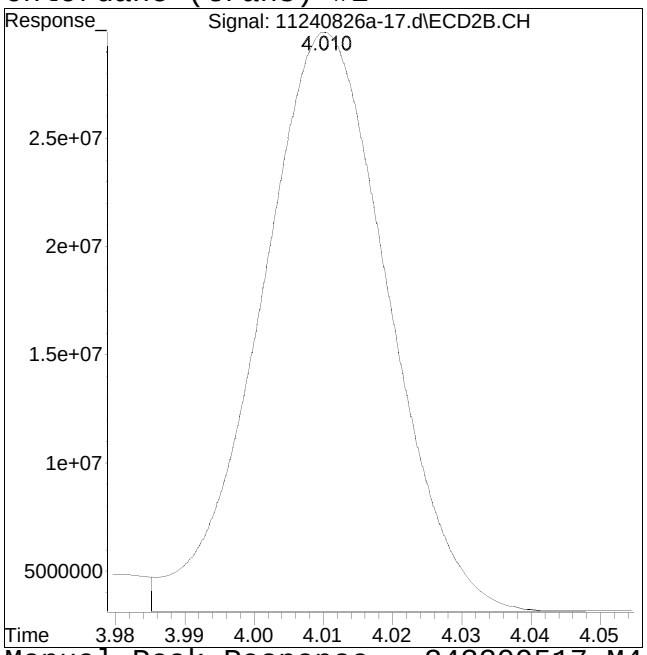
Original Peak Response = 615423126 Manual Peak Response = 593712718 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #51: gamma-Chlordane (trans) #2



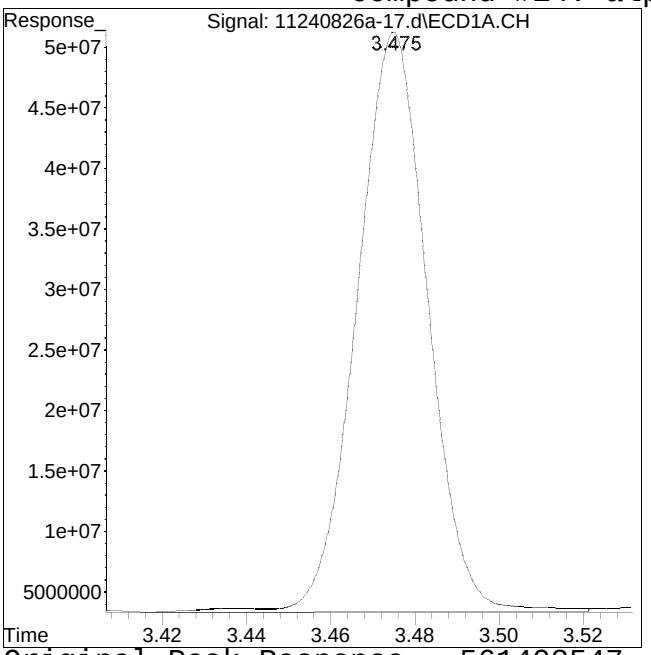


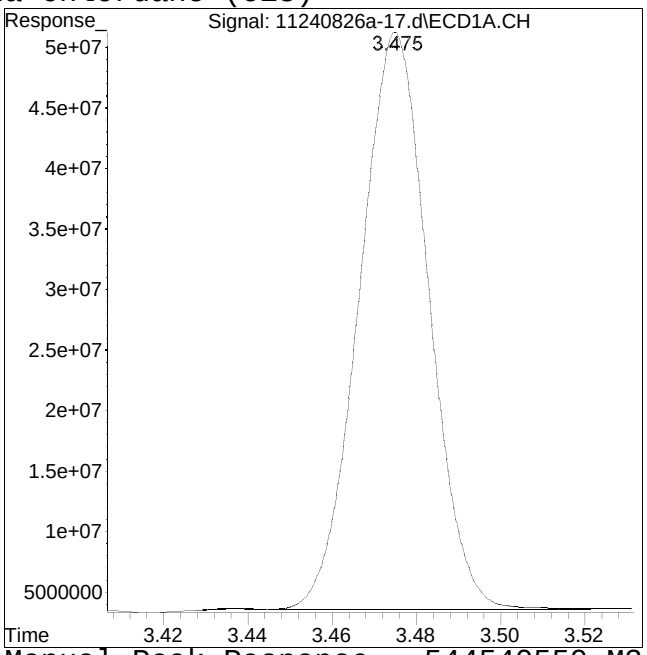
Original Peak Response = 351860480 Manual Peak Response = 343309517 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #14: alpha-Chlordane (cis)



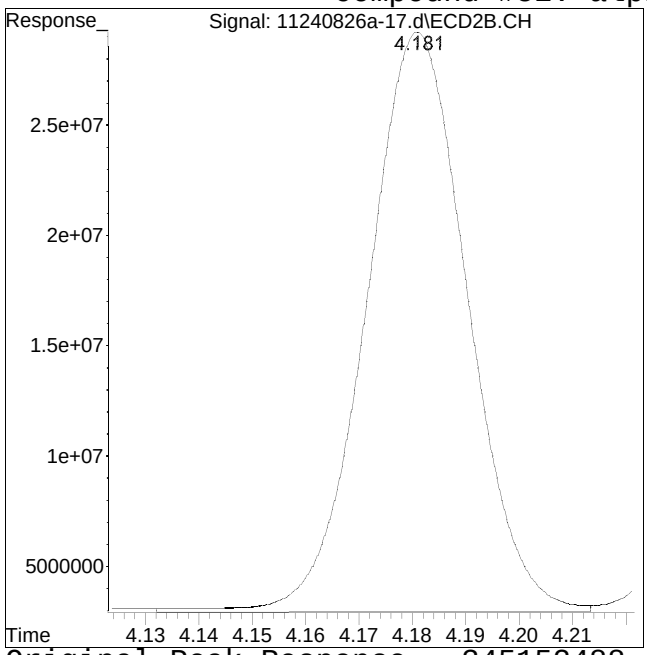


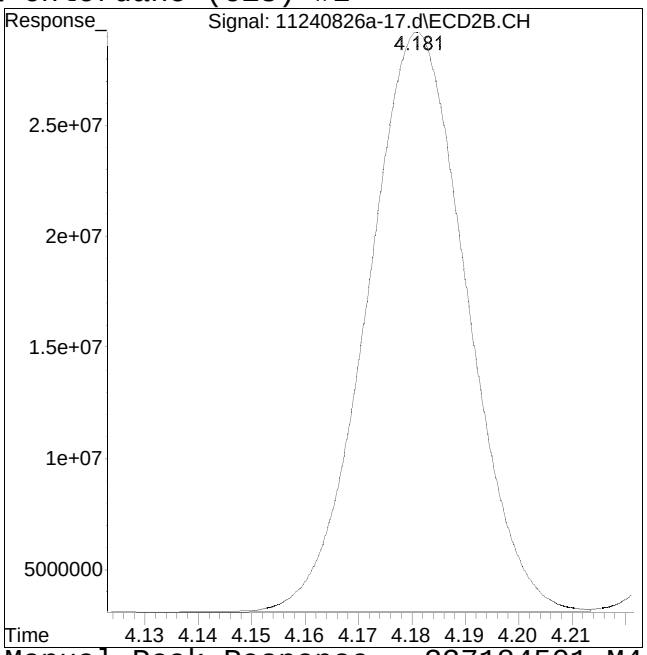
Original Peak Response = 561402547 Manual Peak Response = 544540550 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #52: alpha-Chlordane (cis) #2



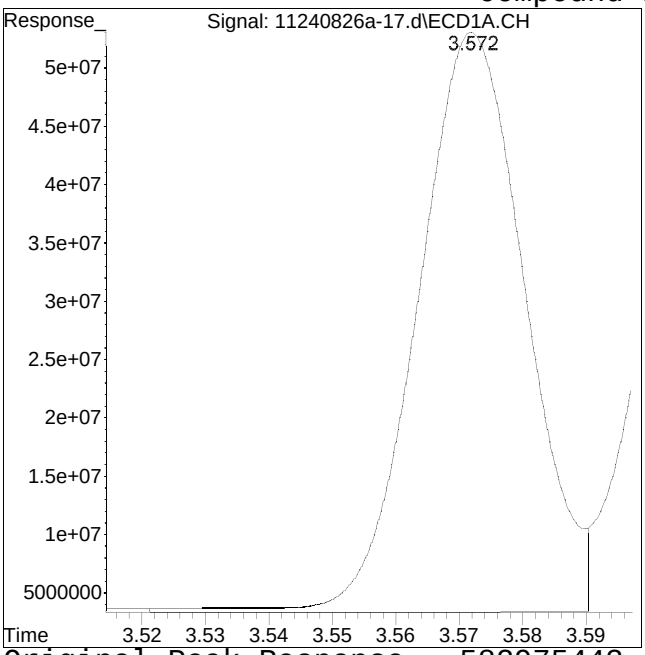


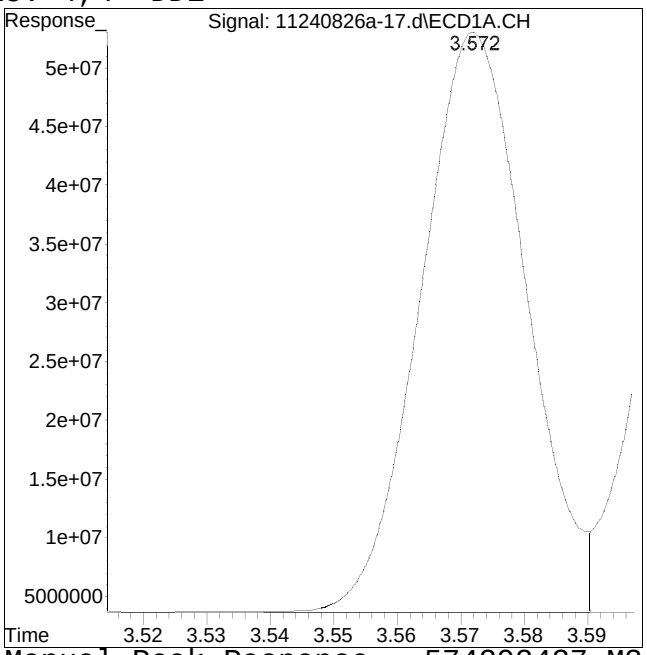
Original Peak Response = 345152488 Manual Peak Response = 337184501 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #15: 4,4'-DDE



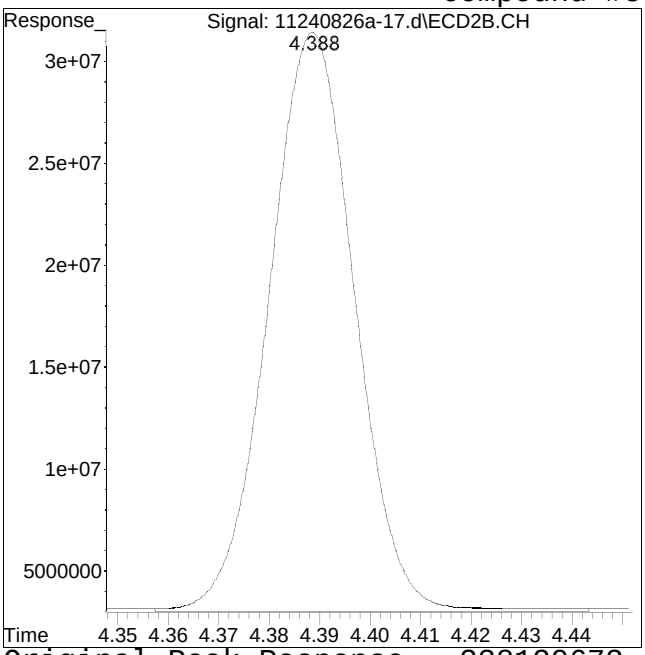


Original Peak Response = 582975443 Manual Peak Response = 574292437 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

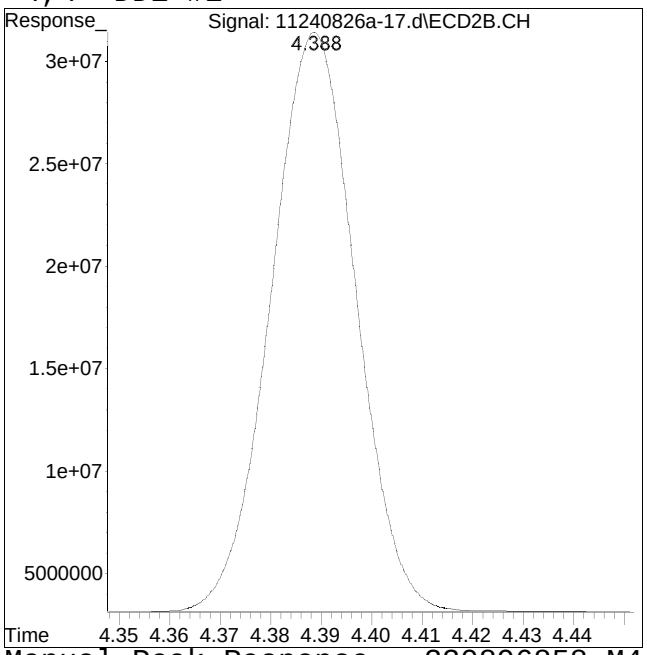
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 338120673



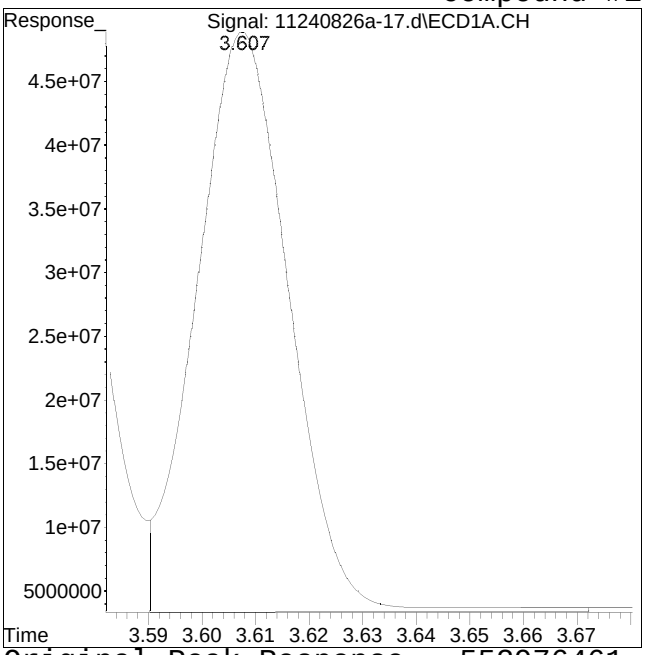
Manual Peak Response = 330896858 M4

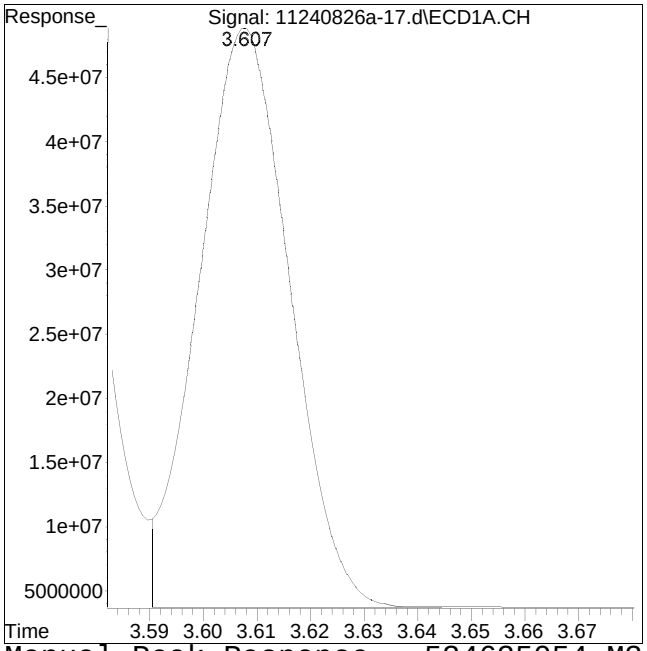
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #16: Endosulfan I



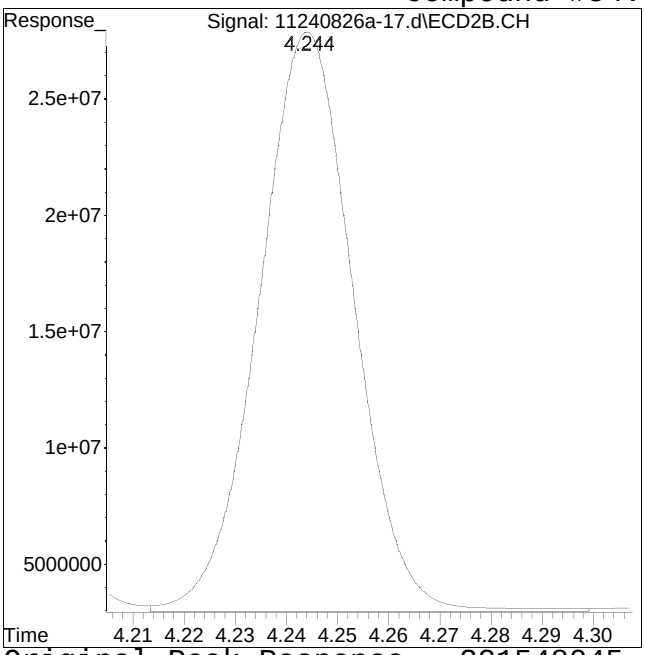


Original Peak Response = 552976461 Manual Peak Response = 534635054 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

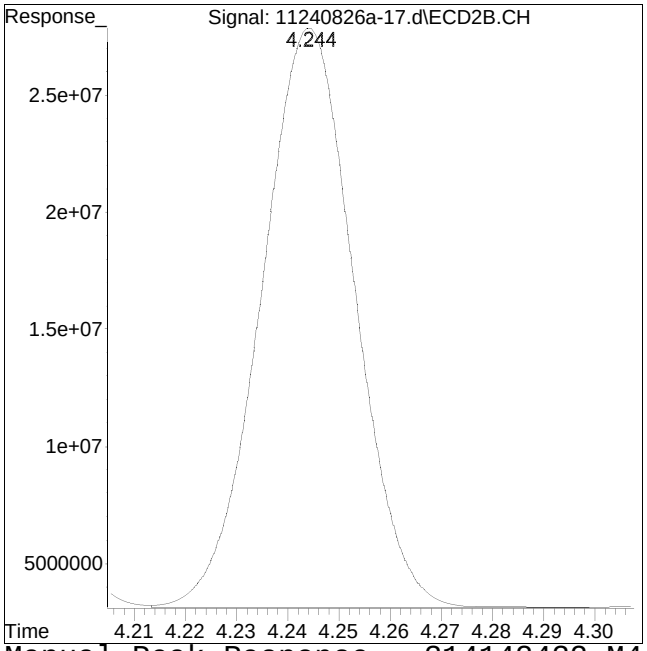
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #54: Endosulfan I #2



Original Peak Response = 321548045



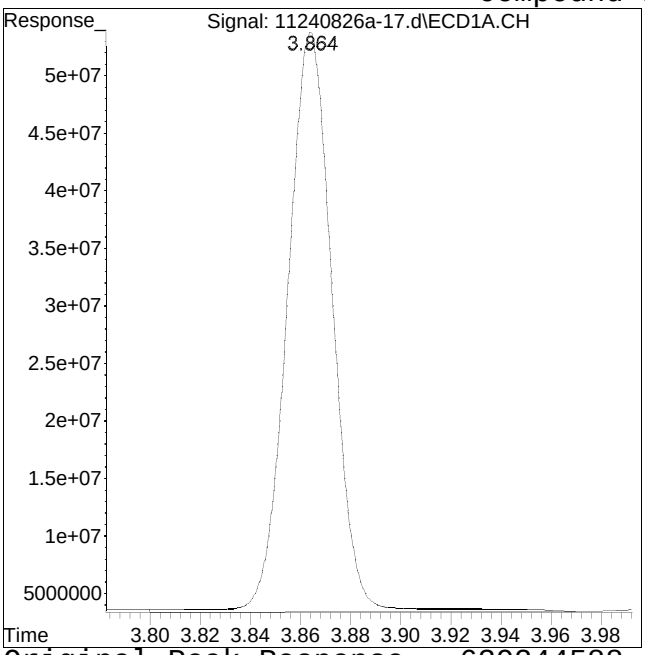
Manual Peak Response = 314142432 M4

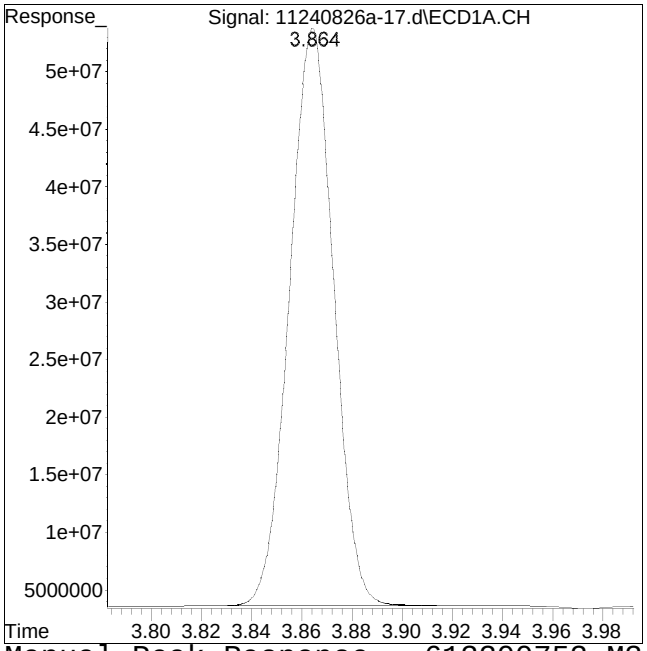
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #17: Dieldrin



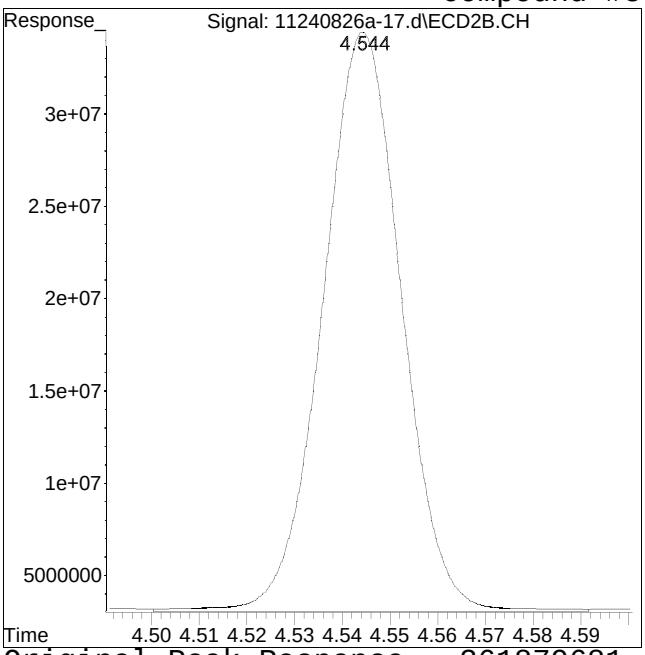


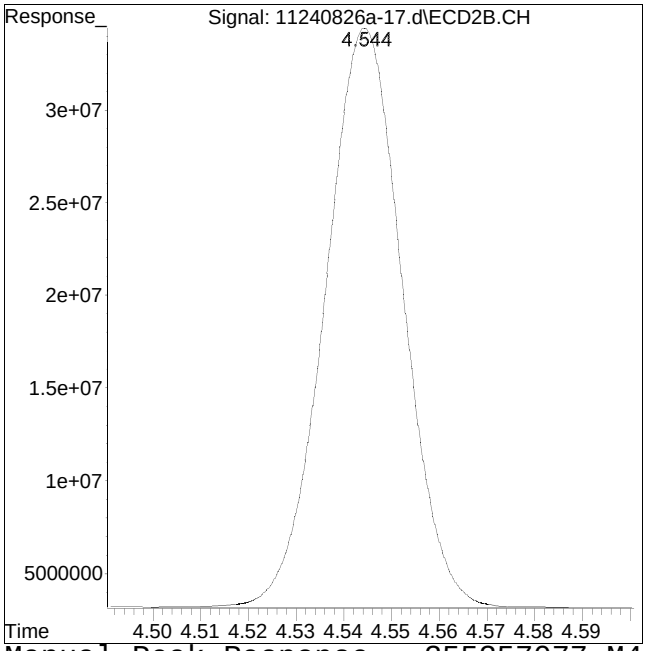
Original Peak Response = 639244588 Manual Peak Response = 613300753 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #55: Dieldrin #2



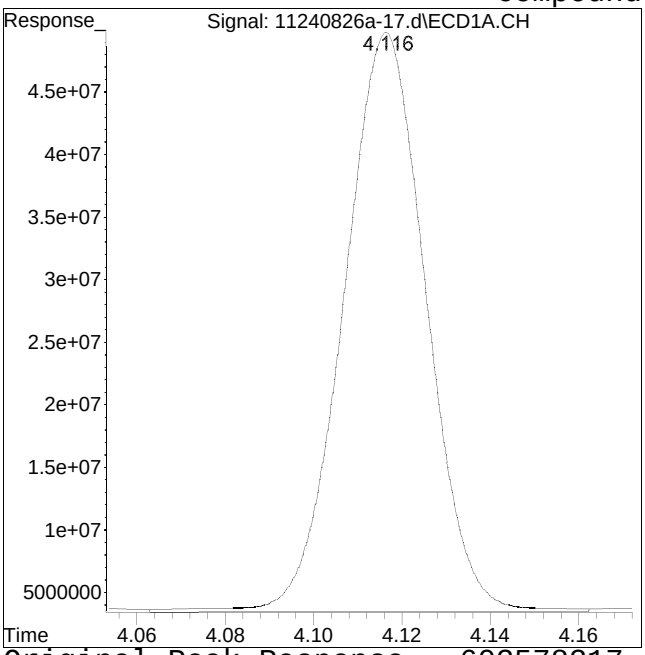


Original Peak Response = 361879681 Manual Peak Response = 355357077 M4
M4 = Poor automated baseline construction.

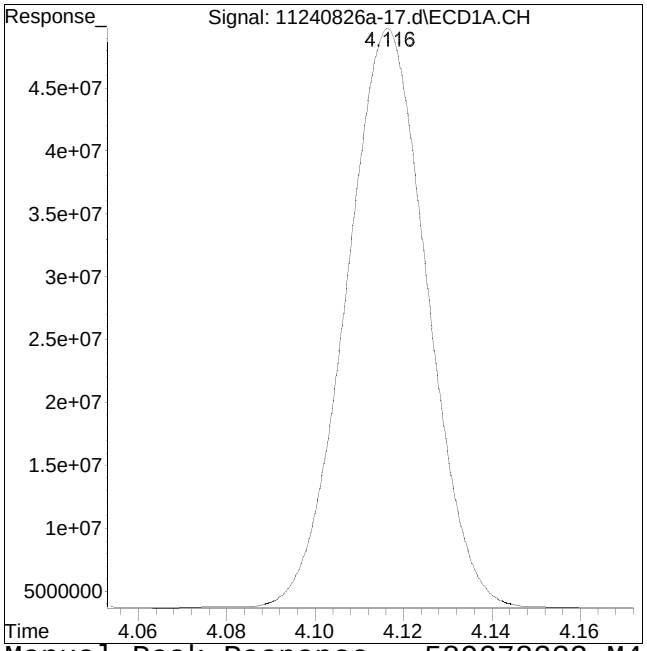
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #18: Endrin



Original Peak Response = 603578317



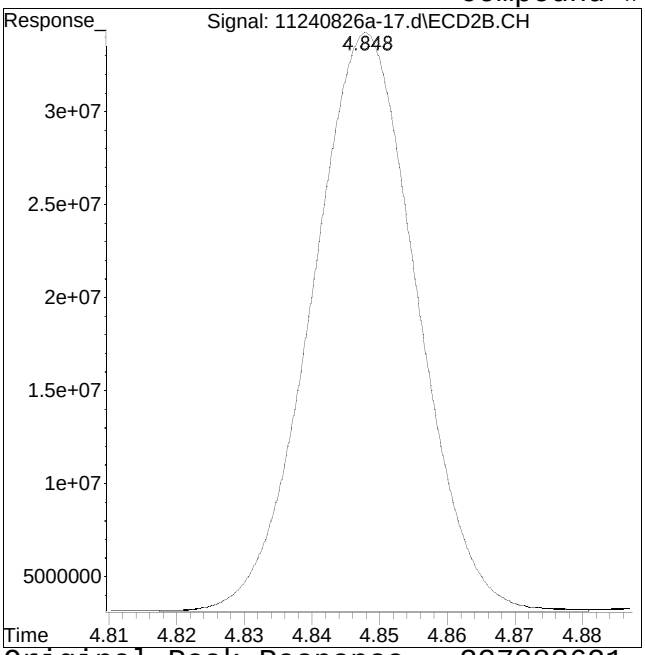
Manual Peak Response = 589278333 M4

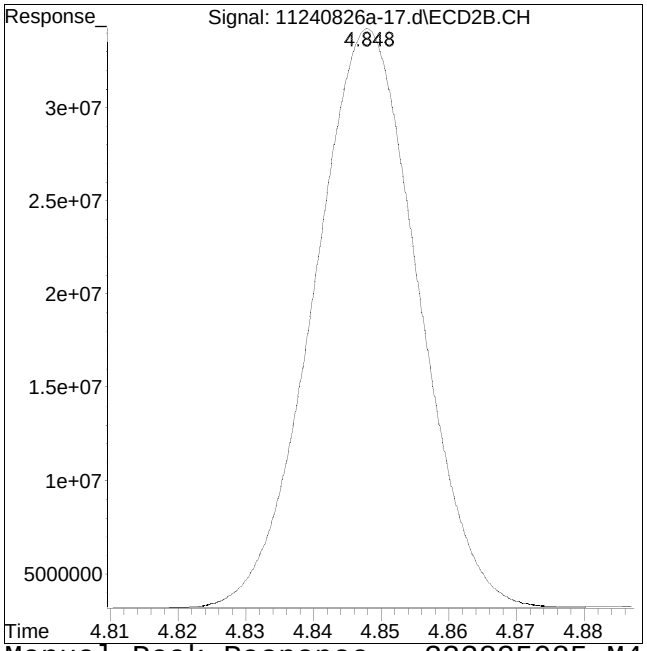
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #56: Endrin #2



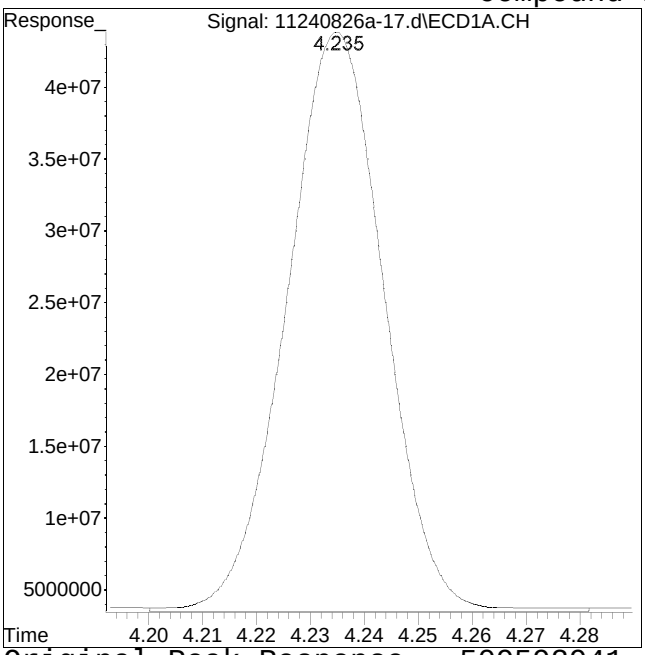


Original Peak Response = 337383621 Manual Peak Response = 333835085 M4
M4 = Poor automated baseline construction.

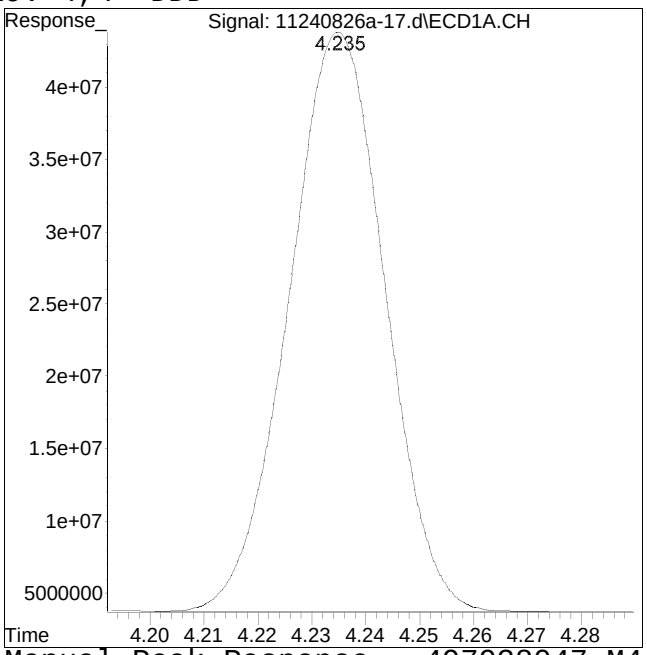
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #19: 4,4'-DDD



Original Peak Response = 509592941



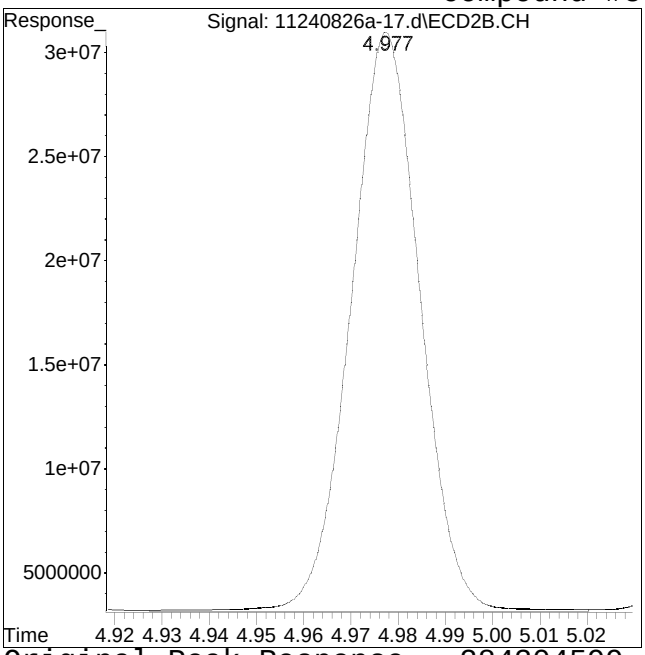
Manual Peak Response = 497938047 M4

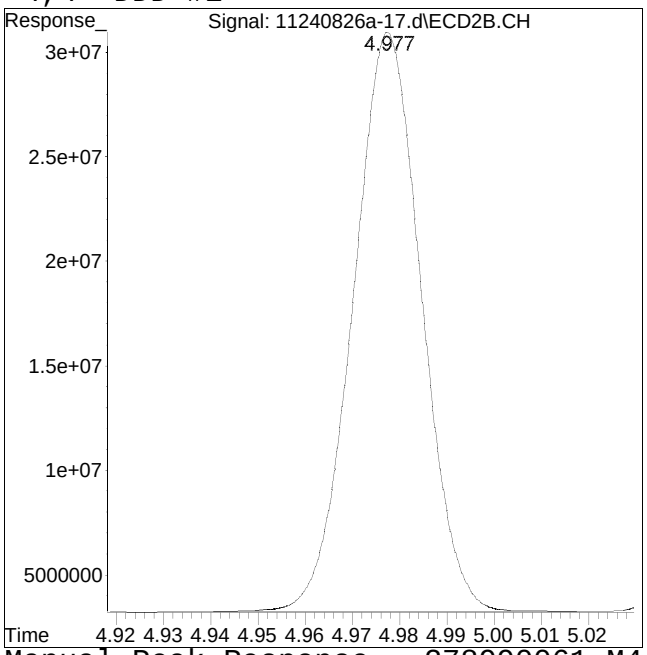
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #57: 4,4'-DDD #2



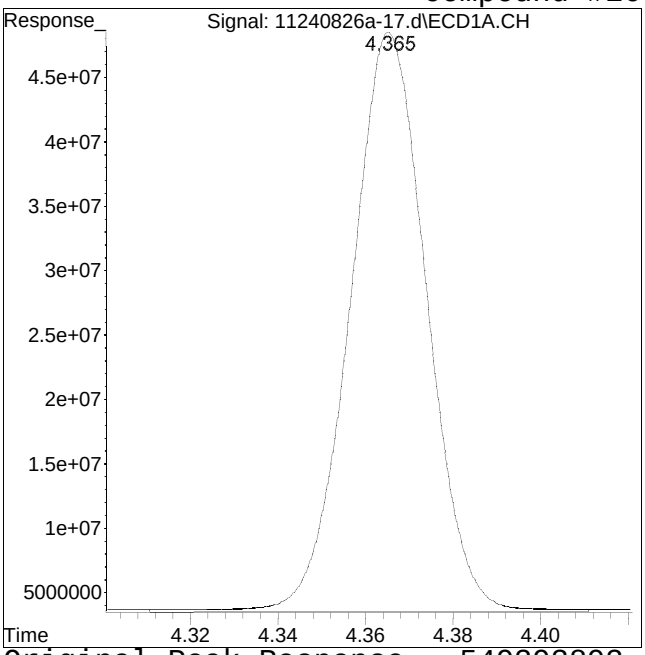


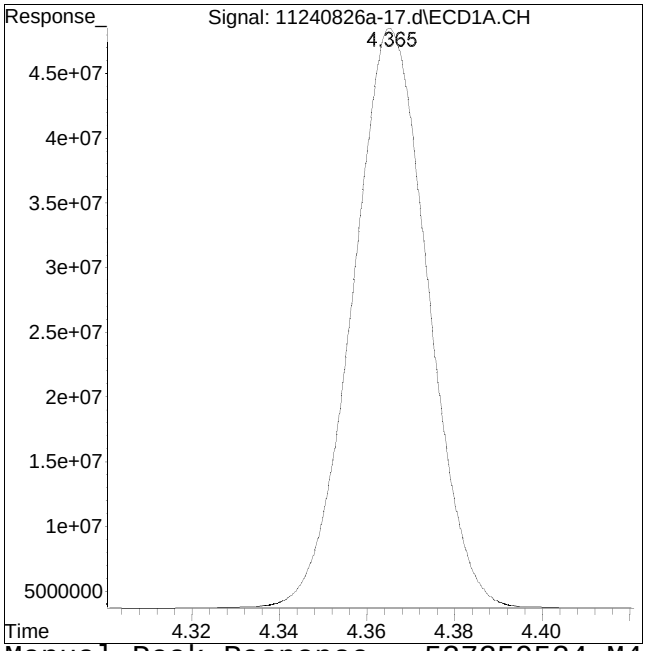
Original Peak Response = 284304599 Manual Peak Response = 278990061 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #20: Endosulfan II



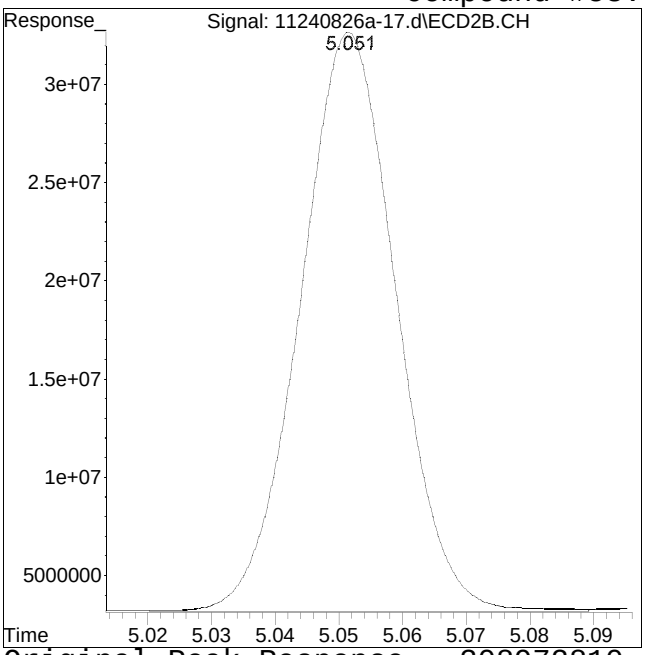


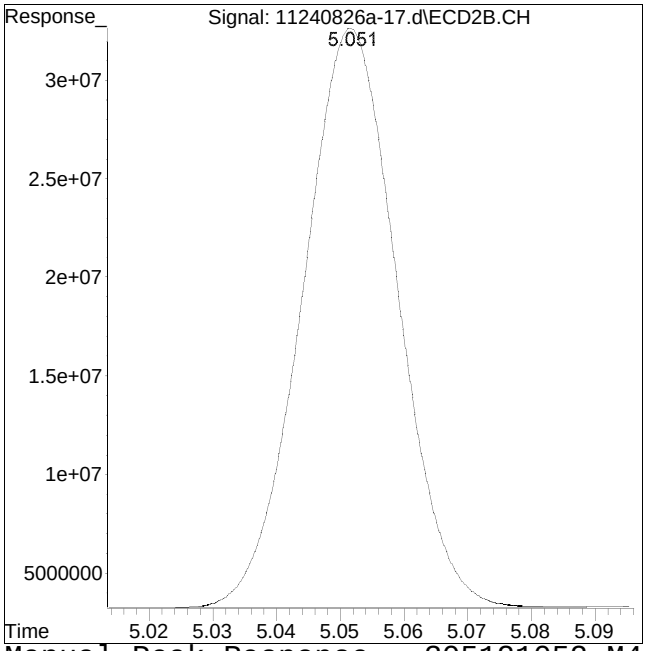
Original Peak Response = 549393893 Manual Peak Response = 537359524 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #58: Endosulfan II #2



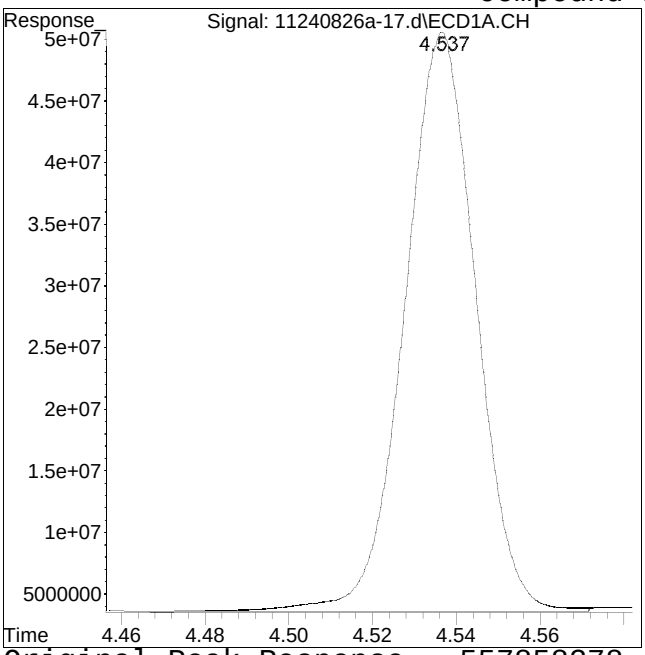


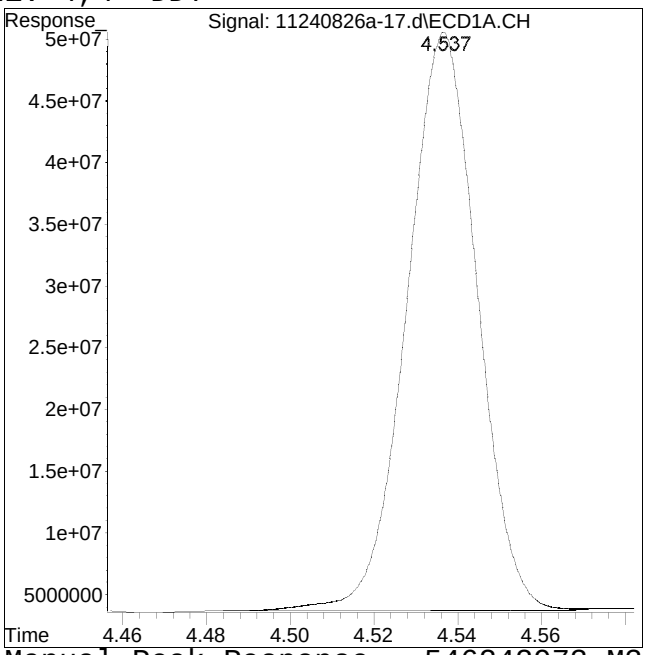
Original Peak Response = 308972810 Manual Peak Response = 305121052 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #21: 4,4'-DDT



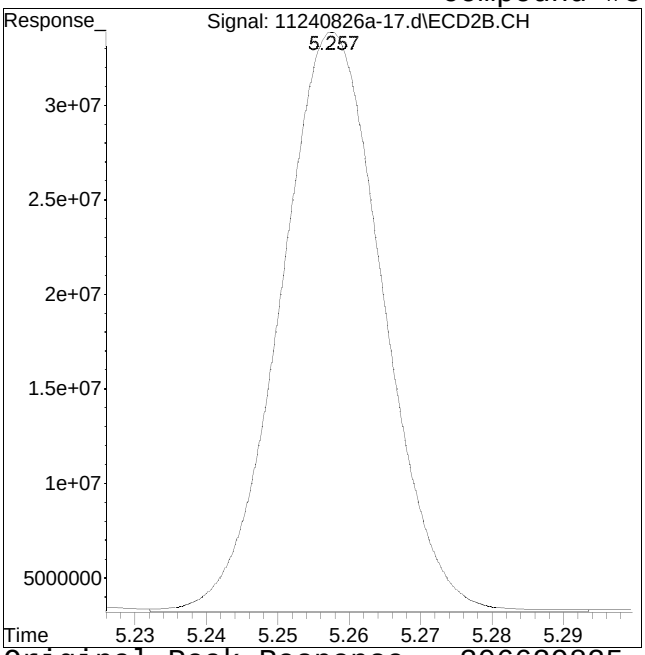


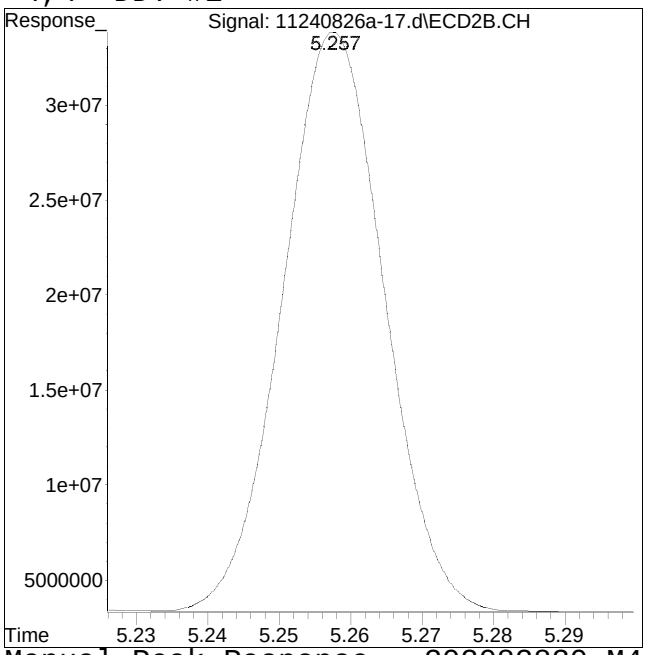
Original Peak Response = 557858378 Manual Peak Response = 546242973 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #59: 4,4'-DDT #2



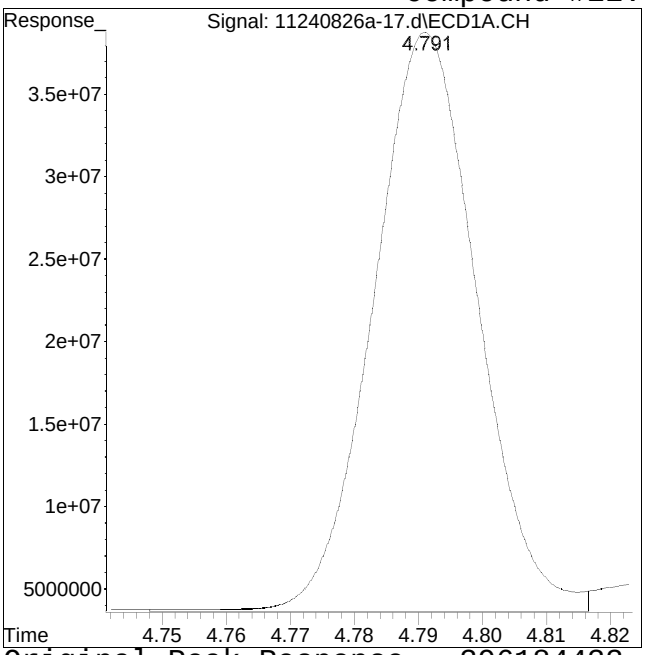


Original Peak Response = 306629825 Manual Peak Response = 302083830 M4
M4 = Poor automated baseline construction.

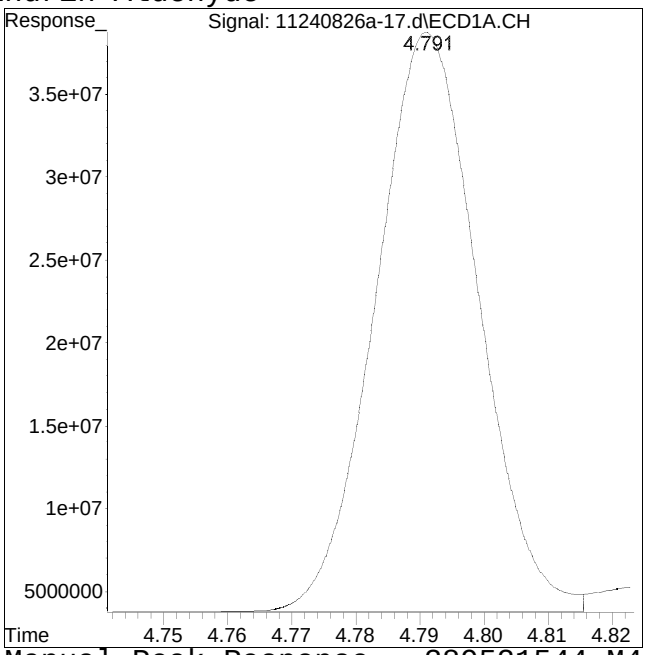
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 396184433

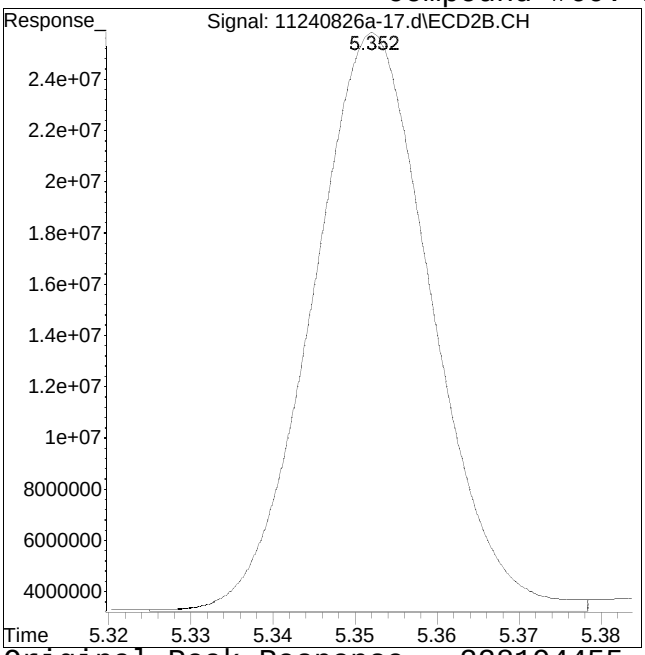


Manual Peak Response = 389521544 M4
M4 = Poor automated baseline construction.

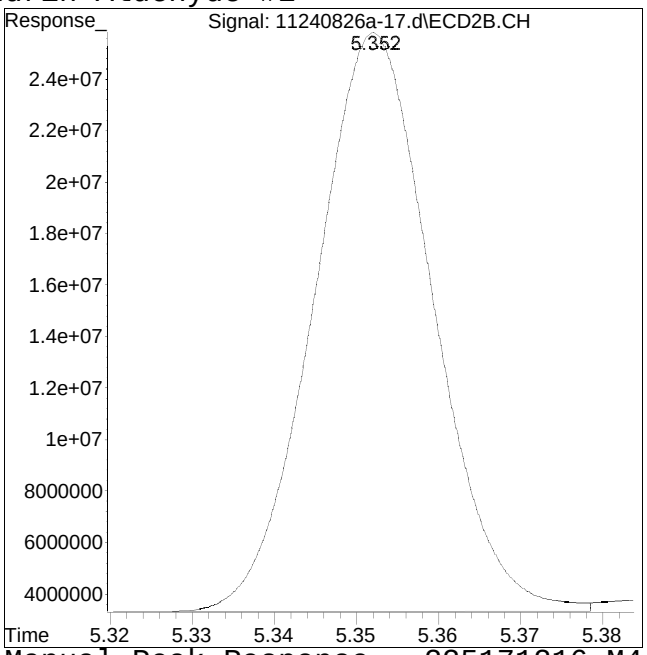
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 228194455



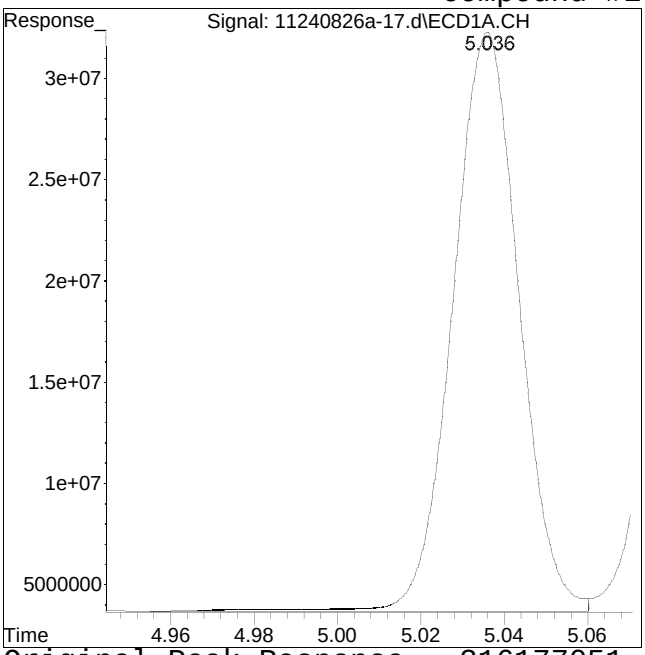
Manual Peak Response = 225171216 M4

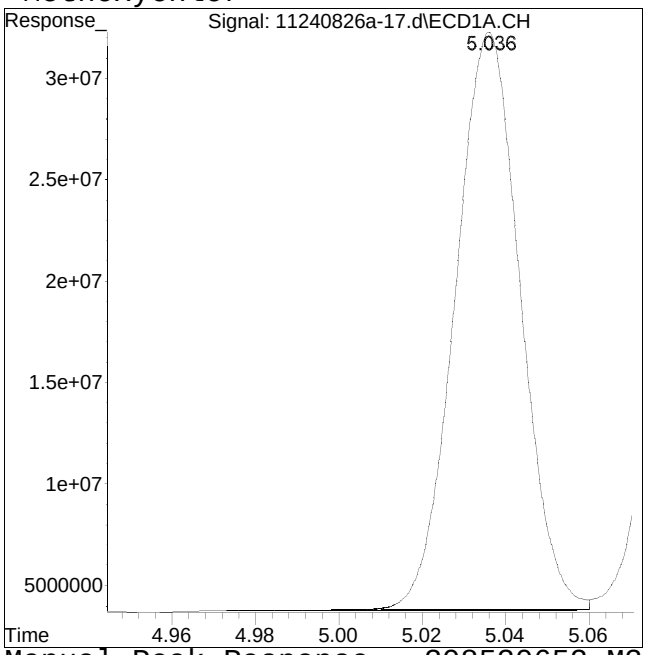
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #23: Methoxychlor



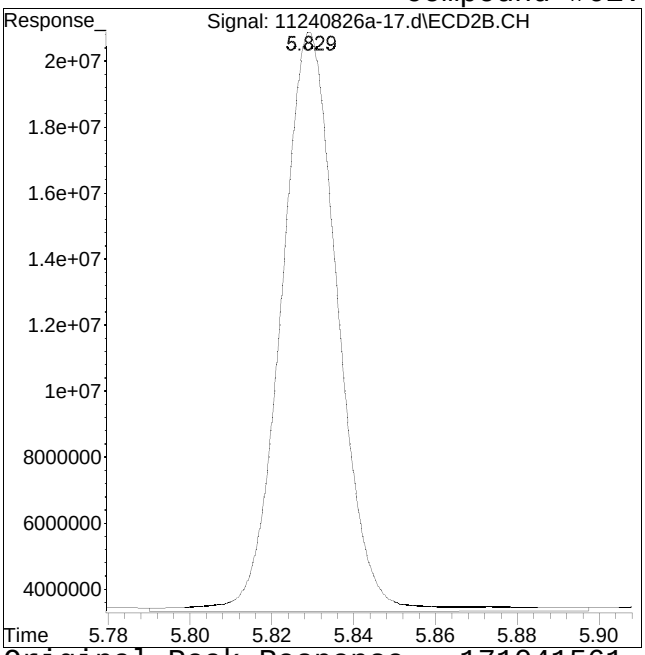


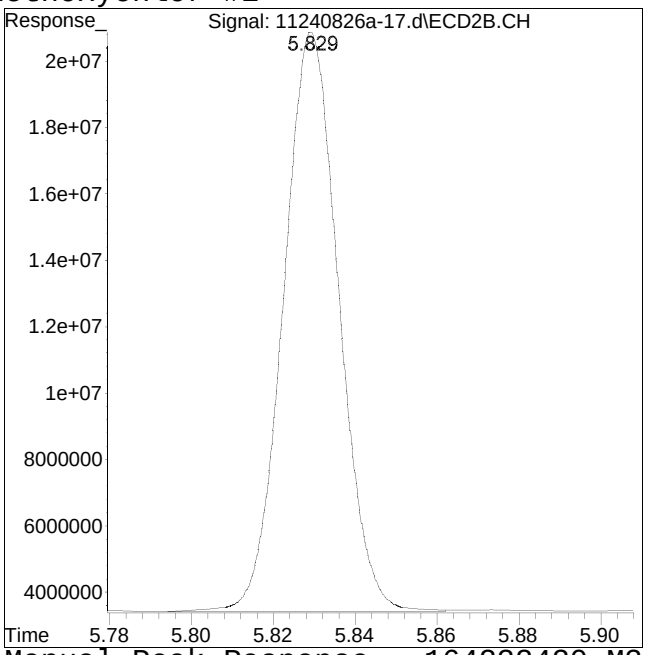
Original Peak Response = 316177051 Manual Peak Response = 308530652 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #61: Methoxychlor #2



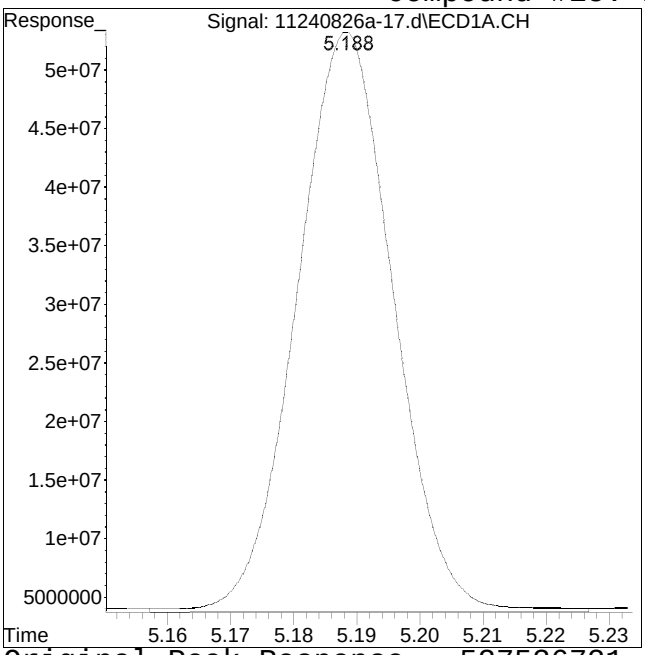


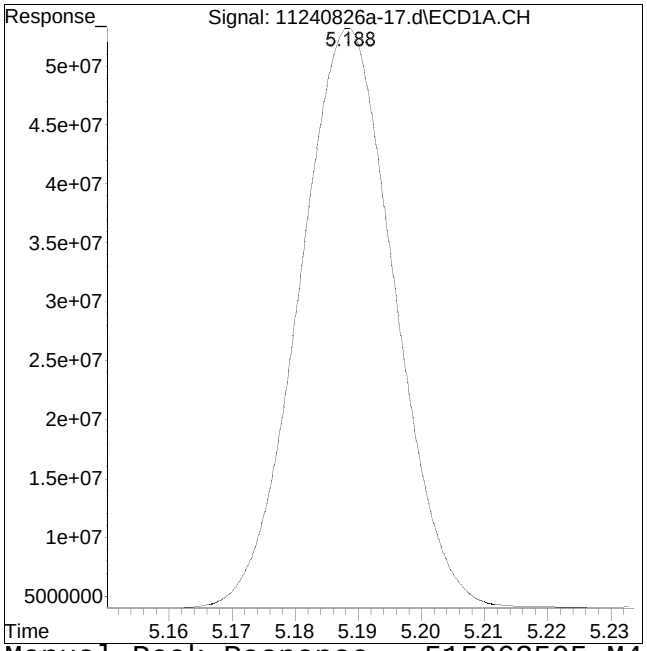
Original Peak Response = 171041561 Manual Peak Response = 164232420 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #25: Endosulfan Sulfate



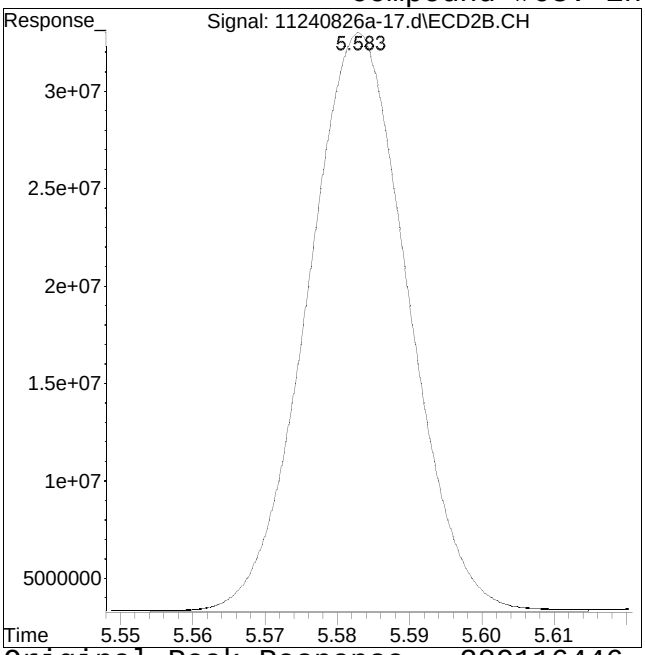


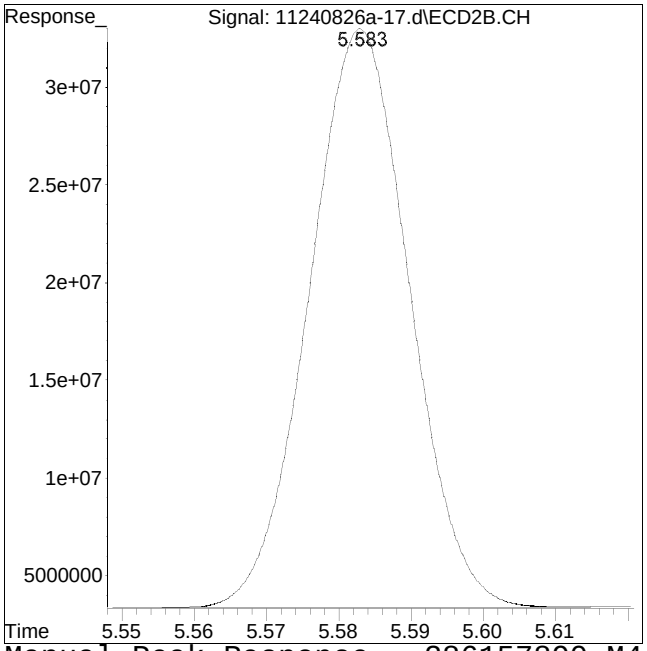
Original Peak Response = 527536721 Manual Peak Response = 515263595 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #63: Endosulfan Sulfate #2



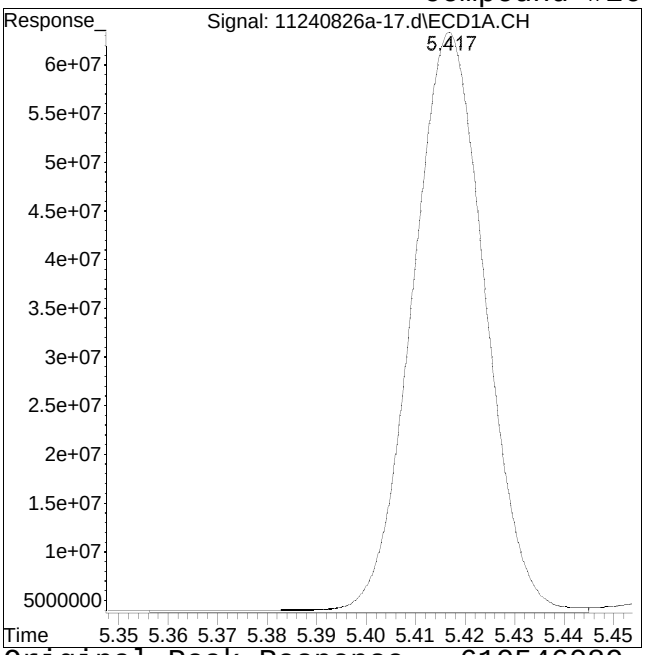


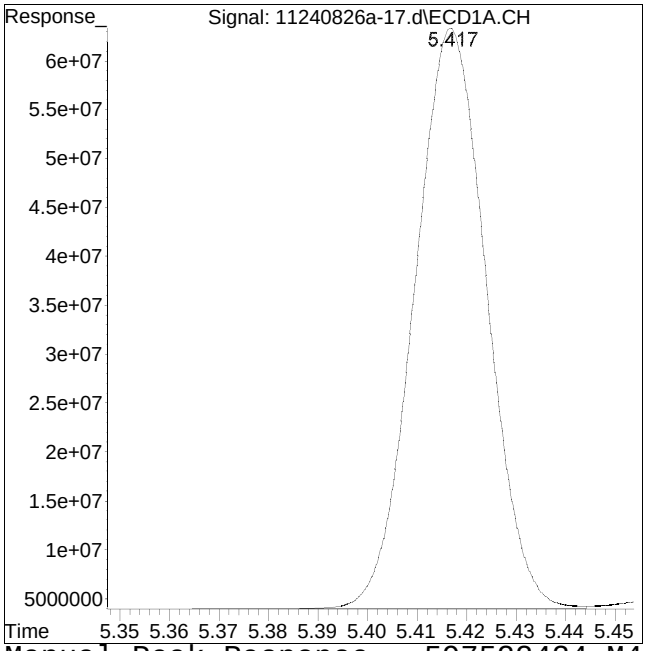
Original Peak Response = 289116446 Manual Peak Response = 286157890 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #26: Endrin Ketone



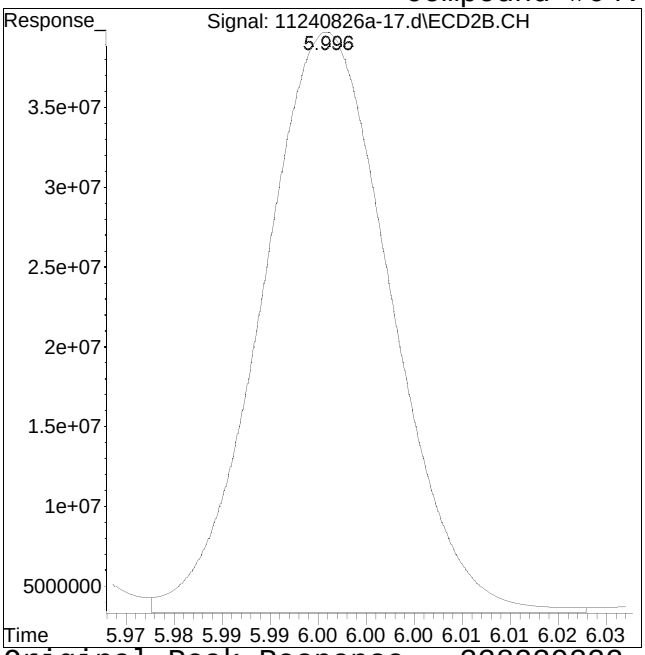


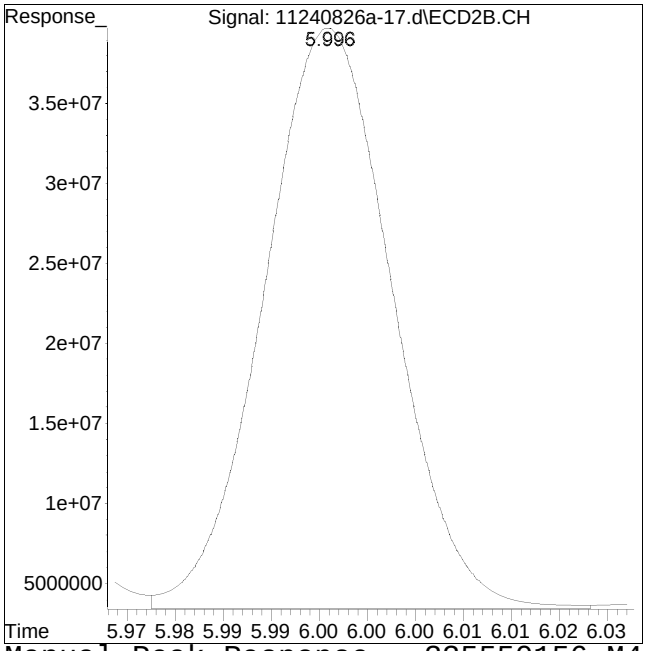
Original Peak Response = 610546089 Manual Peak Response = 597522424 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #64: Endrin Ketone #2



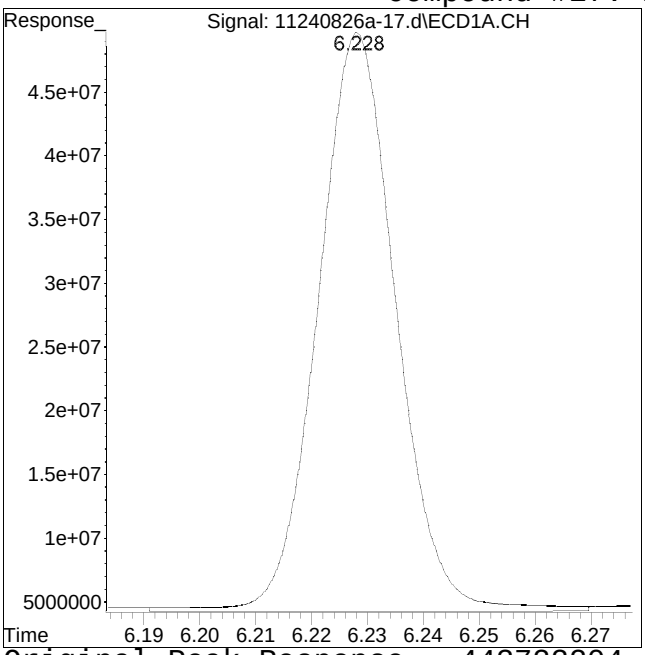


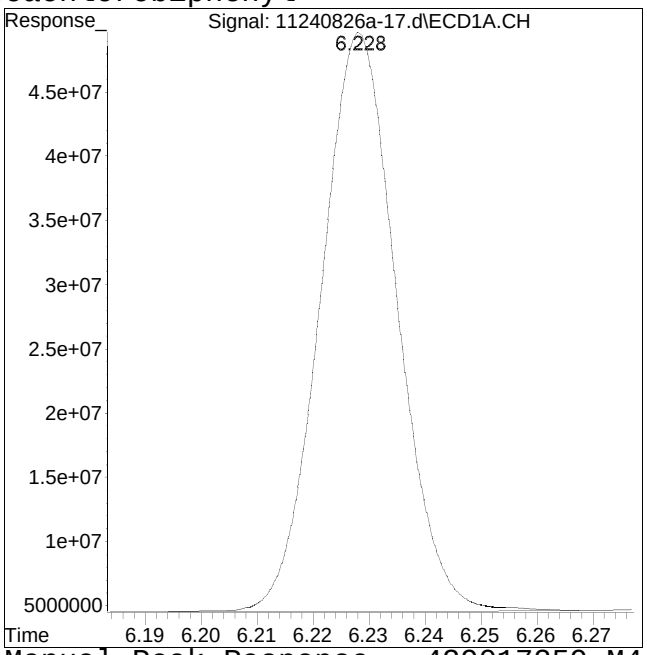
Original Peak Response = 338239322 Manual Peak Response = 335550156 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #27: Decachlorobiphenyl



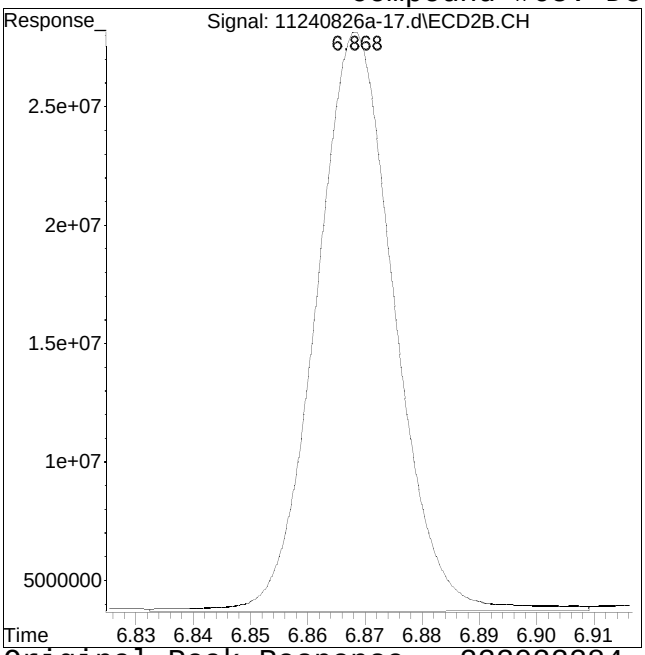


Original Peak Response = 443722204 Manual Peak Response = 429017259 M4
M4 = Poor automated baseline construction.

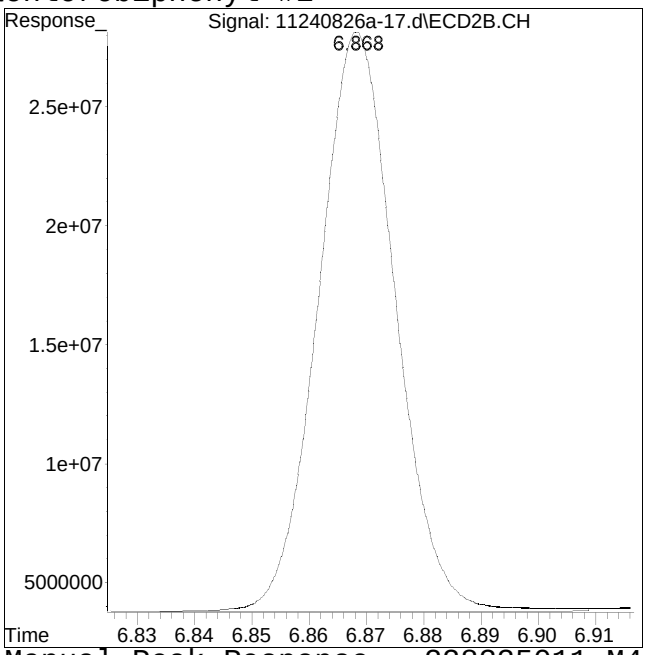
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-17.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 9:14 Instrument : Pest 11
Sample : WG1963569-3,42,, 570 Quant Date : 8/26/2024 1:55 pm

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 233022384



Manual Peak Response = 228335011 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:25
Operator : PEST11:ejl
Sample : WG1963569-4,42,, ms
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:29 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.265	1.341	294.8E6	176.1E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 226873788				Recovery = 129.93%		
	Standard Area 1 : #2 = 173865216				Recovery = 101.28%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.602	1.805	457.4E6	266.6E6	37.336M3	33.987M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 74.67%		67.97%	
27) s	Decachlorobi	6.230	6.875	454.8E6	243.7E6	33.167M4	32.641M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 66.33%		65.28%	
Target Compounds							
4) t	alpha-BHC	1.908	2.210	630.5E6	378.9E6	36.614M3	33.210M4
5) t	gamma-BHC (l	2.106	2.490	622.1E6	347.7E6	37.809M4	32.076M4
6) t	beta-BHC	2.161	2.555	273.7E6	155.1E6	36.981M4	34.723M4
7) t	delta-BHC	2.287	2.817	578.6E6	302.6E6	35.716M3	28.209M4
8) t	Heptachlor	2.447	2.877	618.5E6	331.5E6	39.709M3	29.459M3
9) t	Aldrin	2.686	3.191	540.4E6	303.1E6	37.166M4	29.989M4
12) t	Heptachlor E	3.221	3.795	546.8E6	295.2E6	39.117M4	29.407M3
13) t	gamma-Chlord	3.344	4.014	564.2E6	307.2E6	44.428M4	33.255M4
14) t	alpha-Chlord	3.477	4.185	520.0E6	302.7E6	36.256M3	29.721M4
15) t	4,4'-DDE	3.574	4.392	534.4E6	293.6E6	38.039M4	31.040M4
16) t	Endosulfan I	3.610	4.247	513.1E6	283.0E6	38.990M3	30.165M4
17) t	Dieldrin	3.866	4.547	587.9E6	320.0E6	43.923M3	34.227M4
18) t	Endrin	4.118	4.850	566.0E6	301.0E6	41.637M3	31.736M4
19) t	4,4'-DDD	4.236	4.980	475.3E6	254.2E6	43.471M4	33.301M4
20) t	Endosulfan I	4.367	5.054	518.0E6	275.5E6	41.759M4	32.228M4
21) t	4,4'-DDT	4.538	5.260	515.7E6	271.2E6	41.318M3	30.798M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:25
Operator : PEST11:ejl
Sample : WG1963569-4,42,, ms
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:29 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.793	5.354	366.9E6	197.9E6	35.107M4	29.935M3
23) t Methoxychlor	5.037	5.832	300.6E6	149.5E6	43.074M4	30.137M4
25) t Endosulfan S	5.190	5.585	493.0E6	257.6E6	41.407M4	30.505M3
26) t Endrin Keton	5.418	5.998	575.3E6	305.4E6	41.234M4	34.391M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

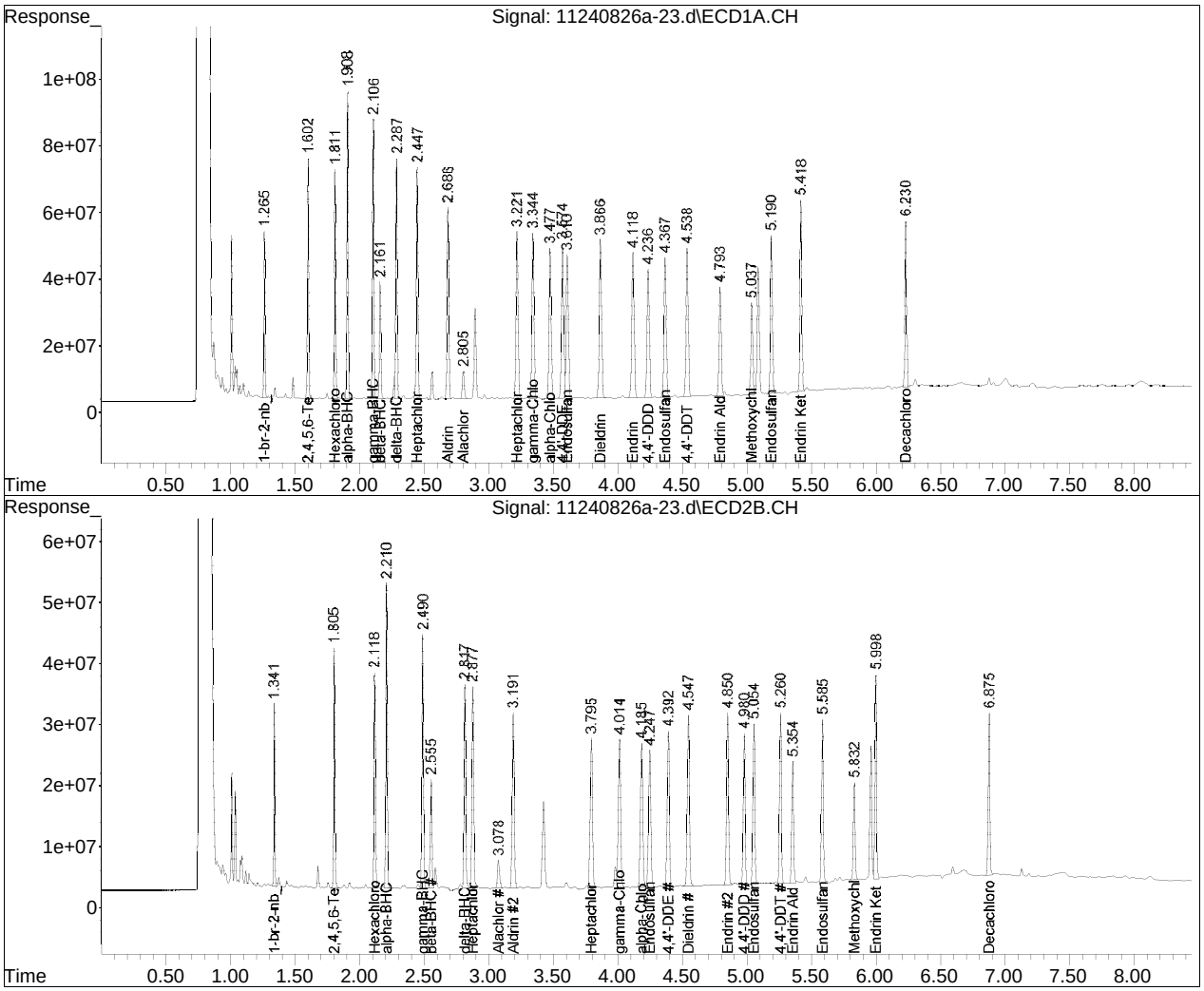
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only1\2024\240826A\11240826a-03.d•

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:25
Operator : PEST11:ejl
Sample : WG1963569-4,42,, ms
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:29 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

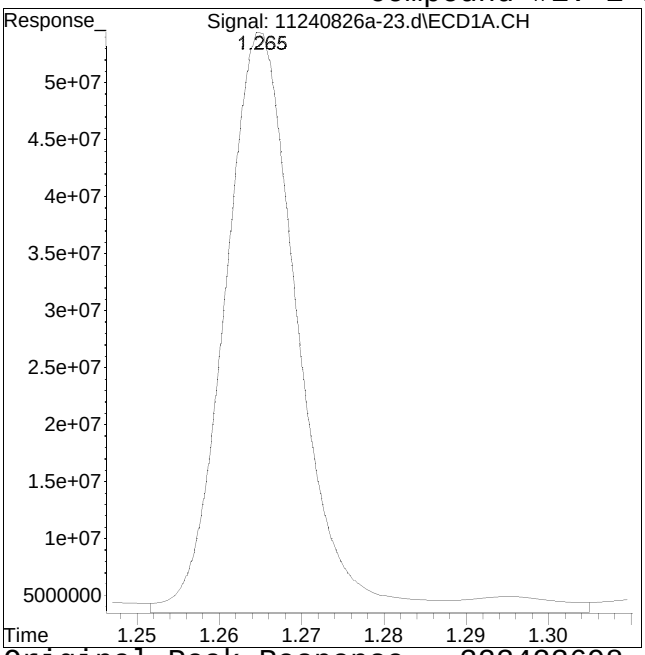
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

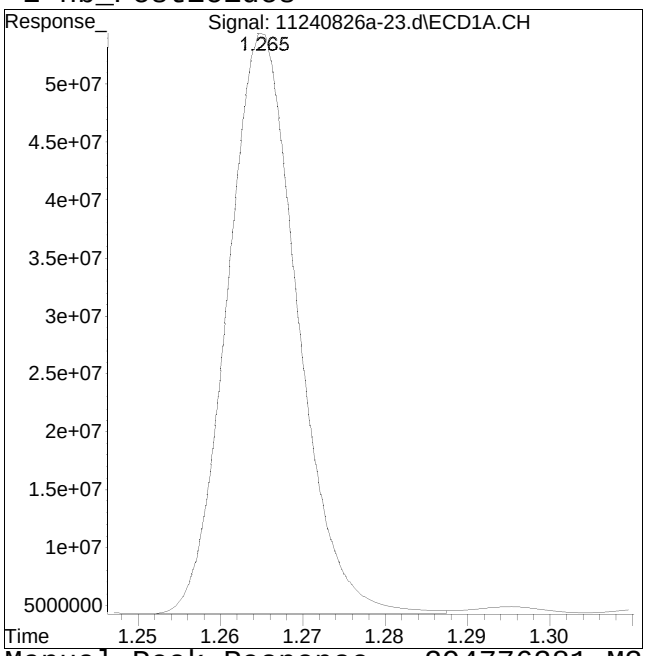


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #1: 1-br-2-nb_Pesticides



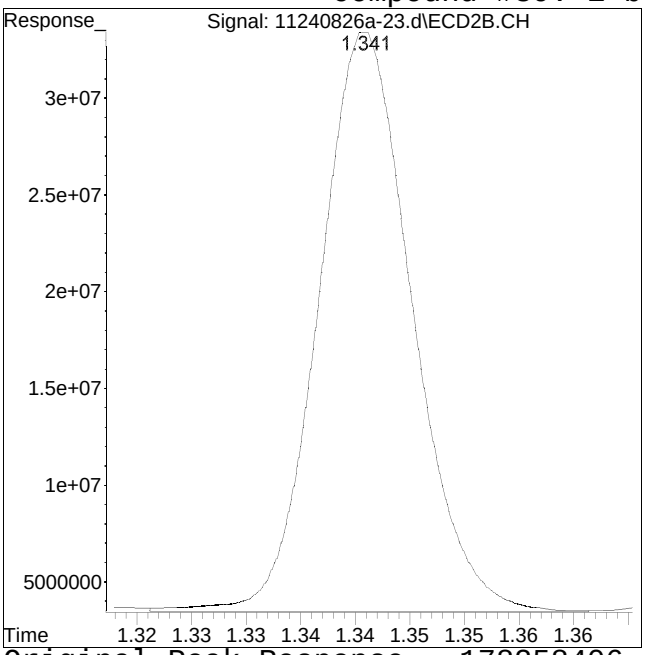


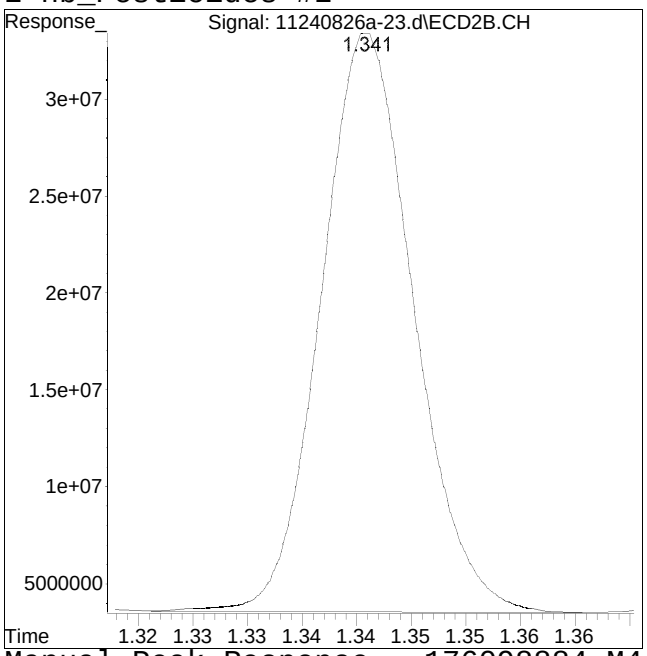
Original Peak Response = 323423698 Manual Peak Response = 294776381 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #39: 1-br-2-nb_Pesticides #2



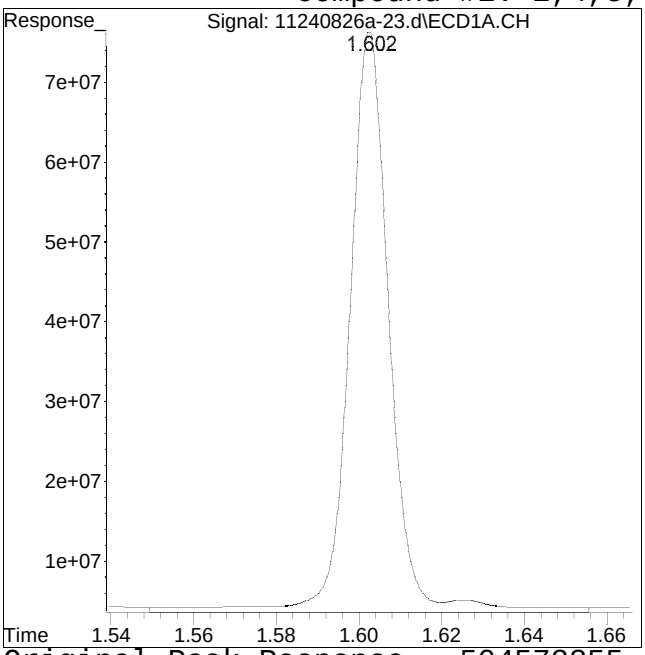


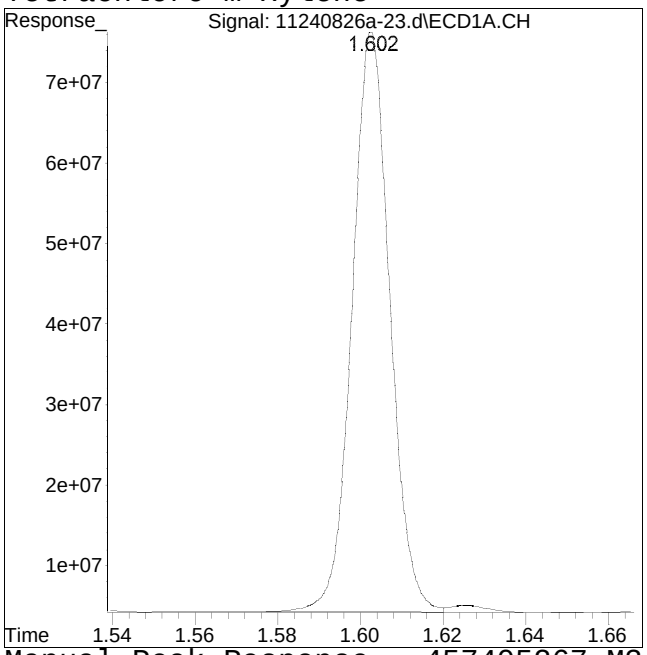
Original Peak Response = 178258406 Manual Peak Response = 176098884 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



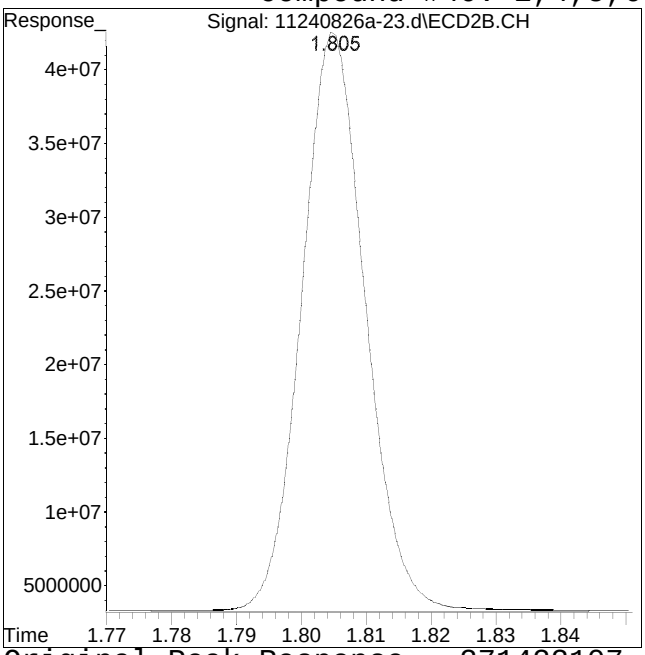


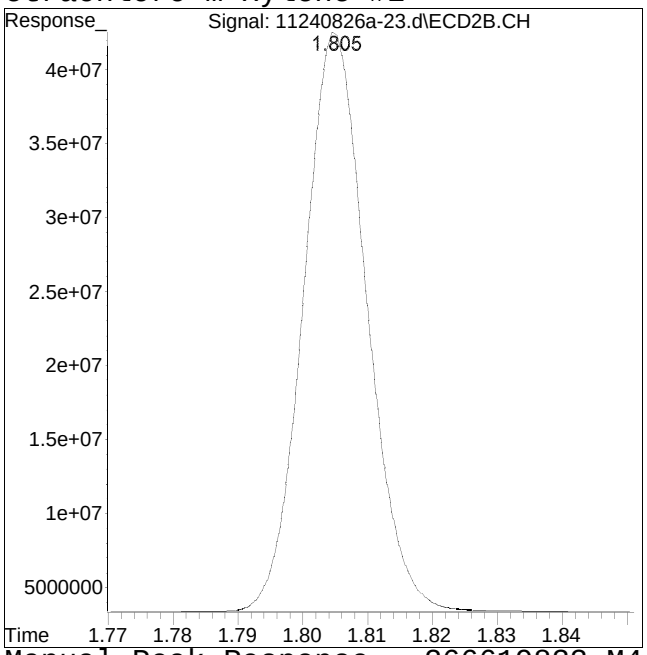
Original Peak Response = 504572355 Manual Peak Response = 457405267 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



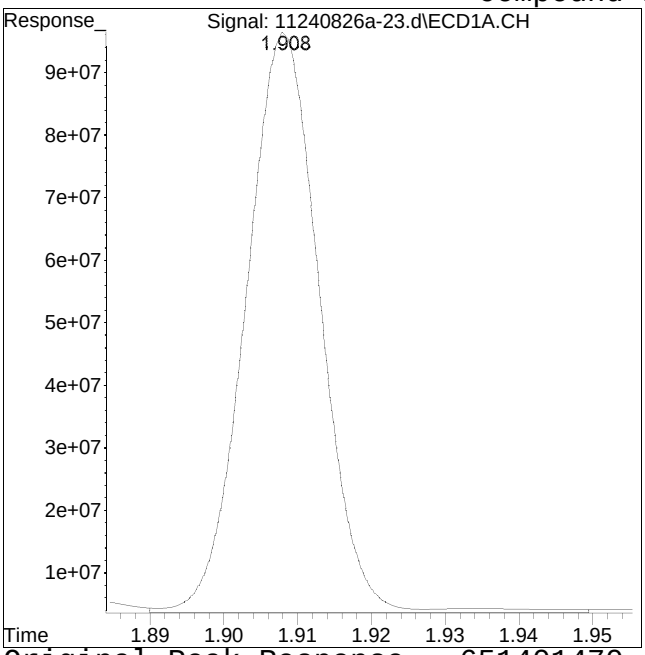


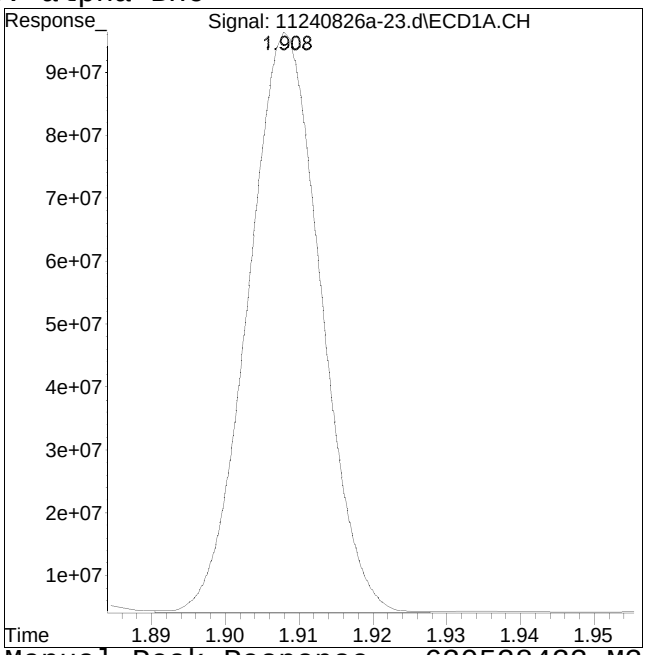
Original Peak Response = 271422107 Manual Peak Response = 266619833 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #4: alpha-BHC



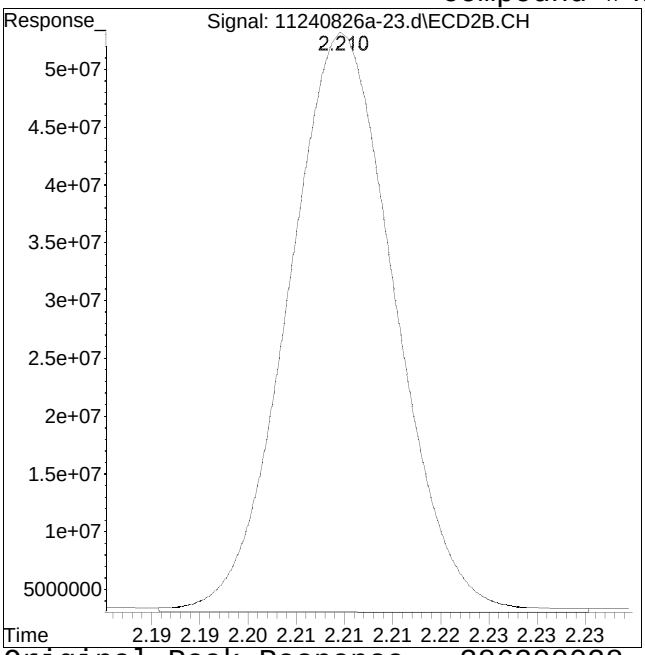


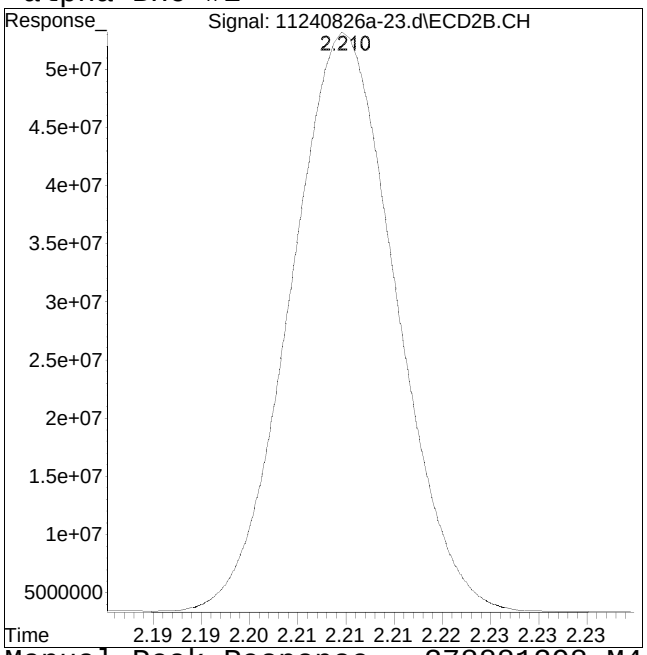
Original Peak Response = 651401470 Manual Peak Response = 630538433 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #42: alpha-BHC #2



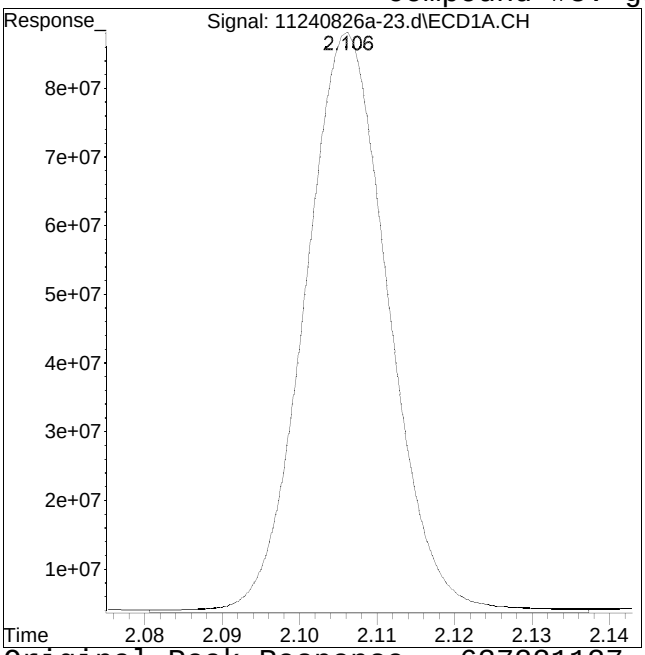


Original Peak Response = 386300028 Manual Peak Response = 378881398 M4
M4 = Poor automated baseline construction.

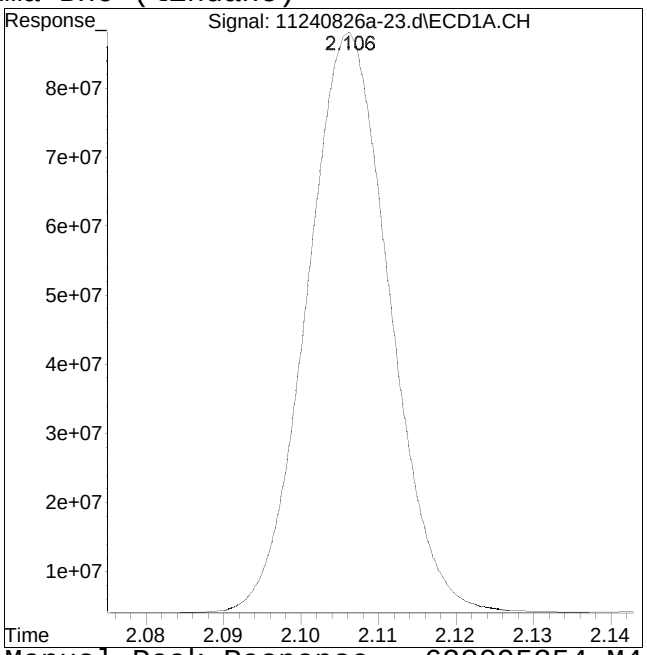
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #5: gamma-BHC (lindane)



Original Peak Response = 637221127

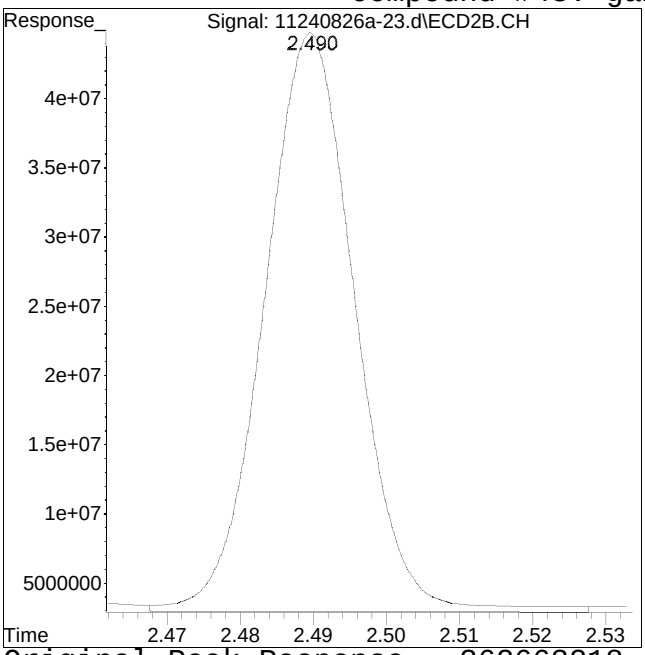


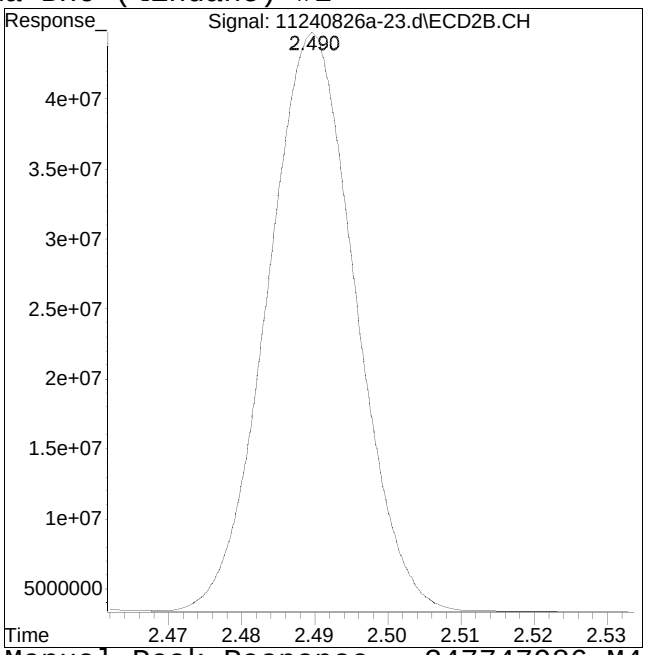
Manual Peak Response = 622095354 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #43: gamma-BHC (lindane) #2



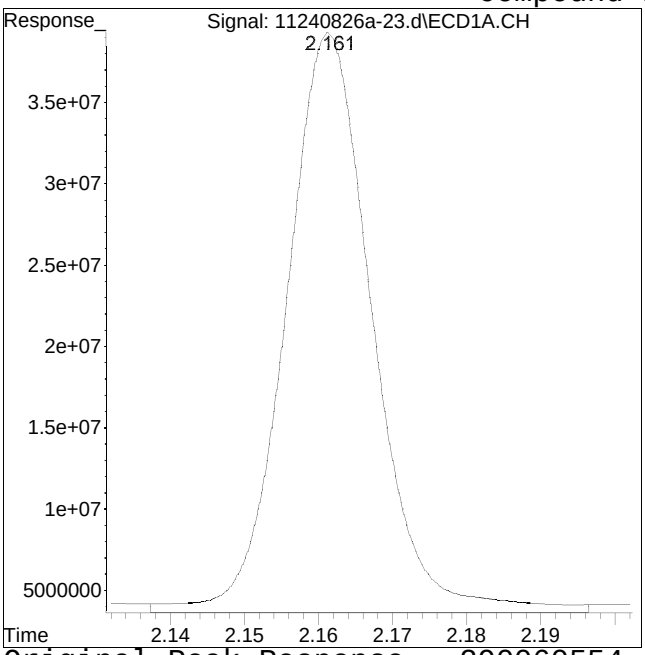


Original Peak Response = 362663218 Manual Peak Response = 347747986 M4
M4 = Poor automated baseline construction.

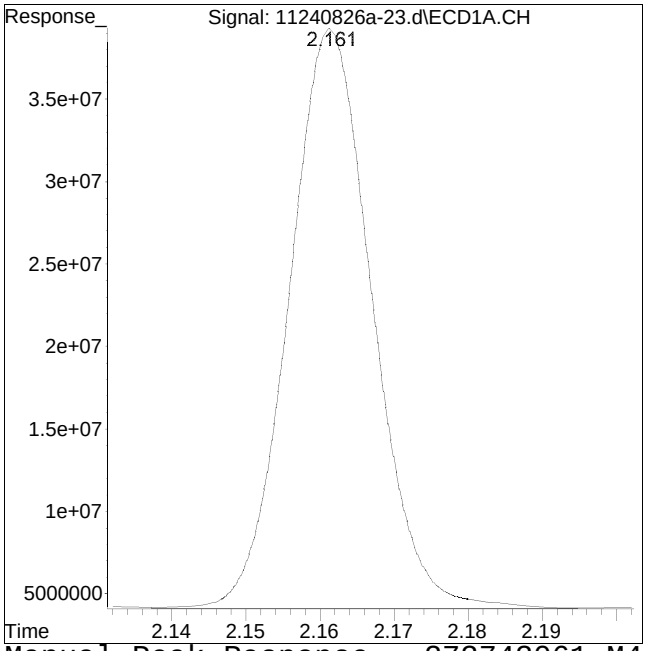
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #6: beta-BHC



Original Peak Response = 290060554



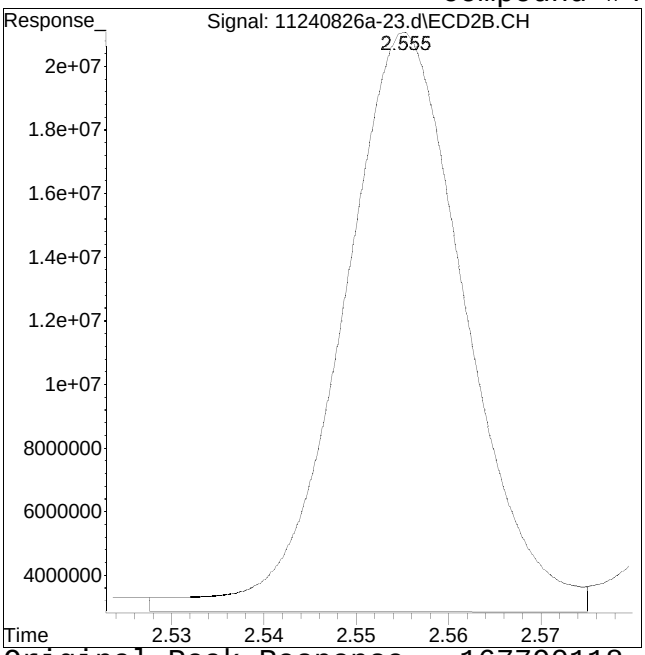
Manual Peak Response = 273743061 M4

M4 = Poor automated baseline construction.

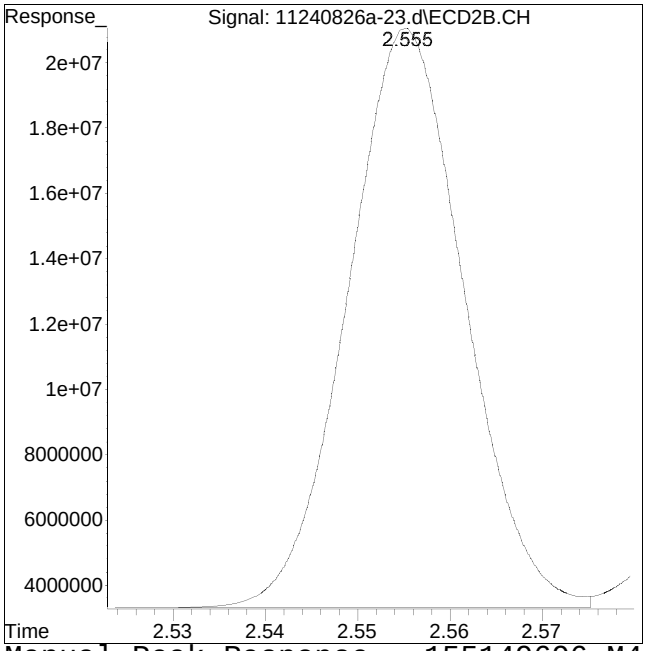
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #44: beta-BHC #2



Original Peak Response = 167790118

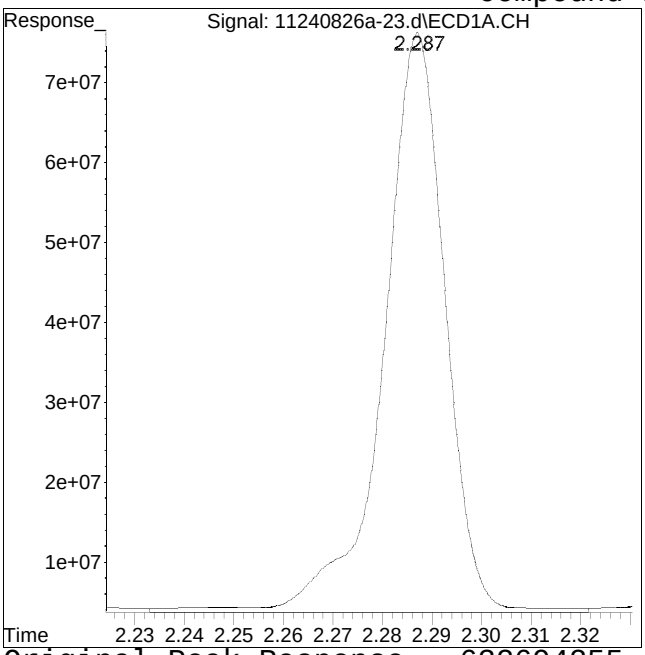


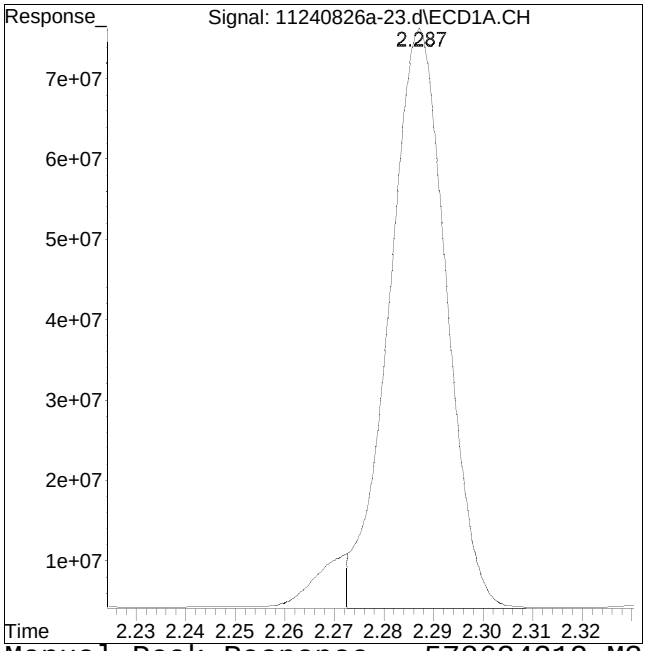
Manual Peak Response = 155149696 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #7: delta-BHC



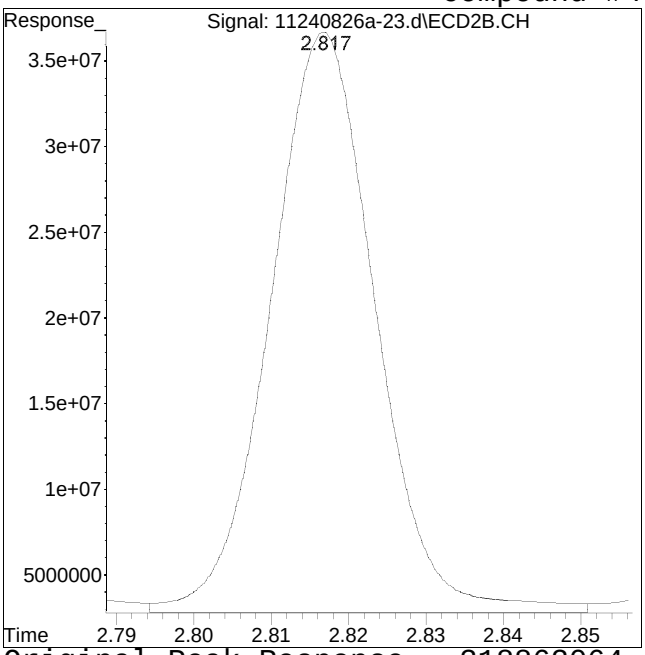


Original Peak Response = 632694255 Manual Peak Response = 578634212 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

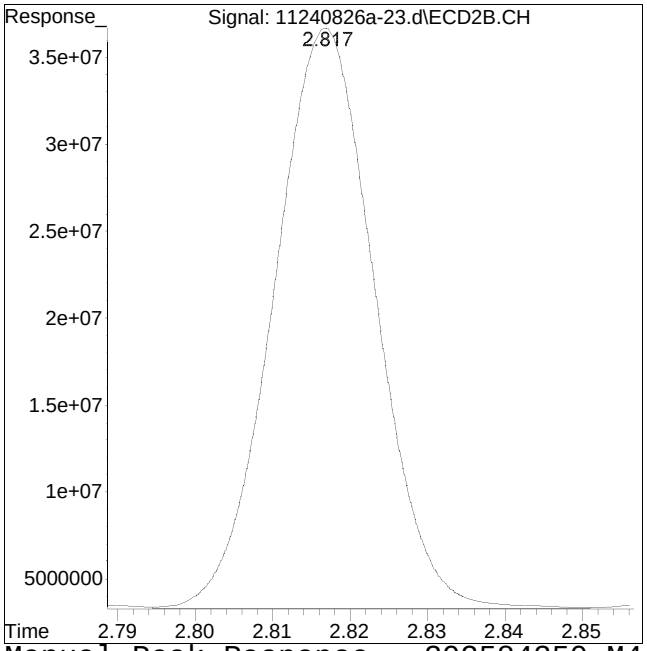
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #45: delta-BHC #2



Original Peak Response = 318862064

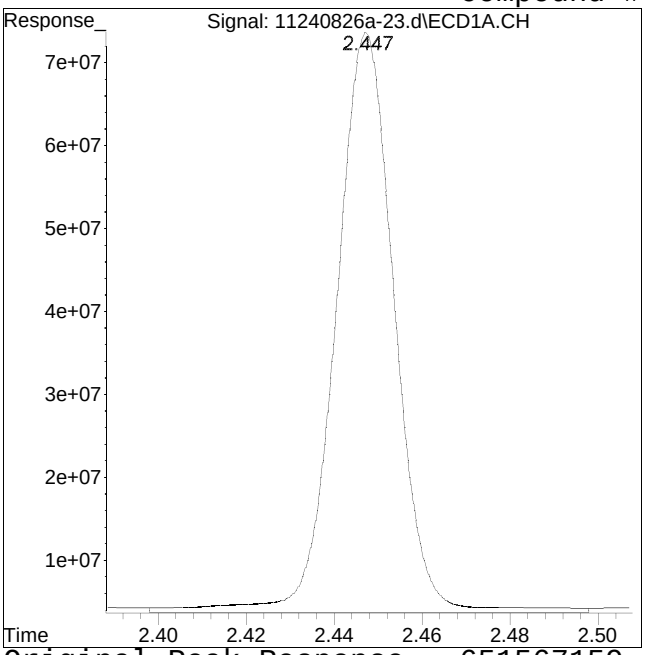


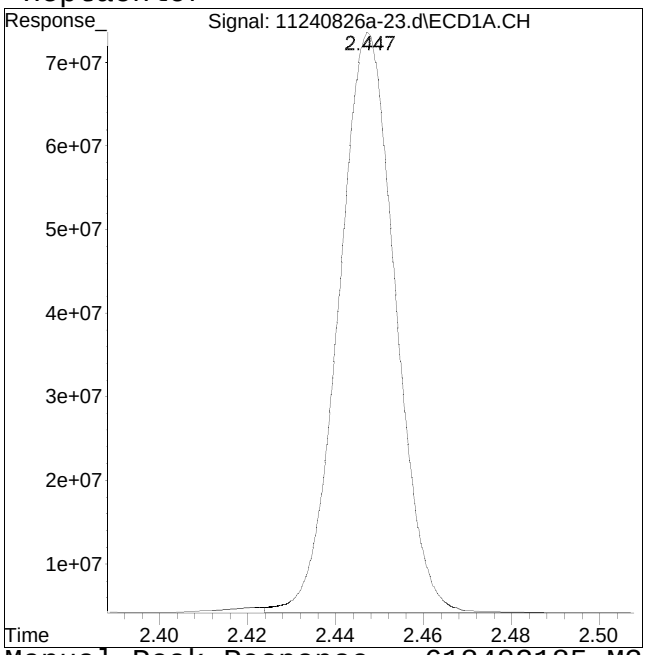
Manual Peak Response = 302584350 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #8: Heptachlor



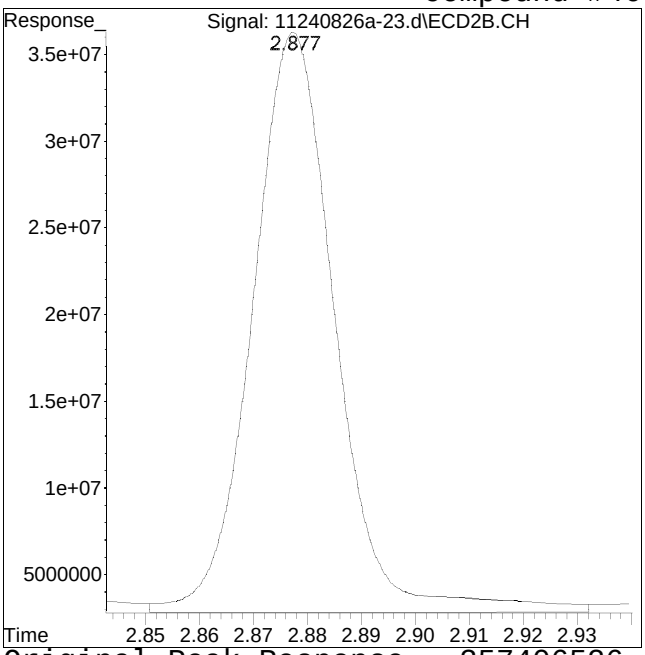


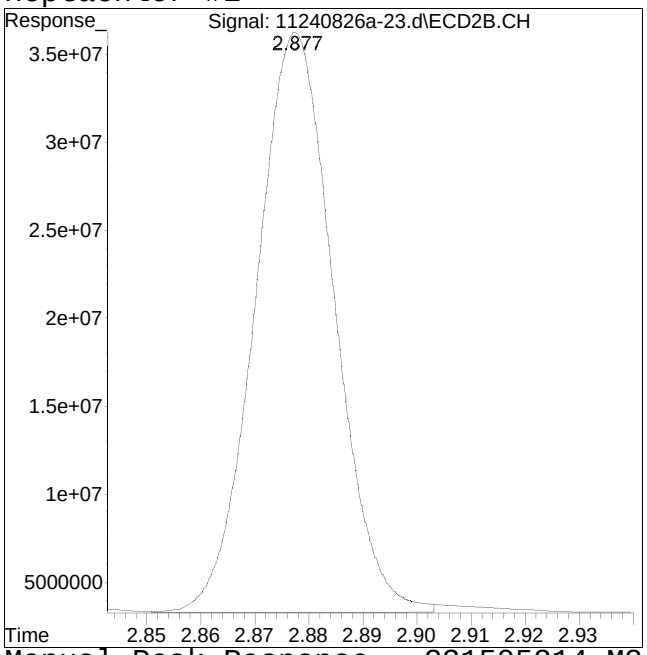
Original Peak Response = 651567159 Manual Peak Response = 618482185 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #46: Heptachlor #2



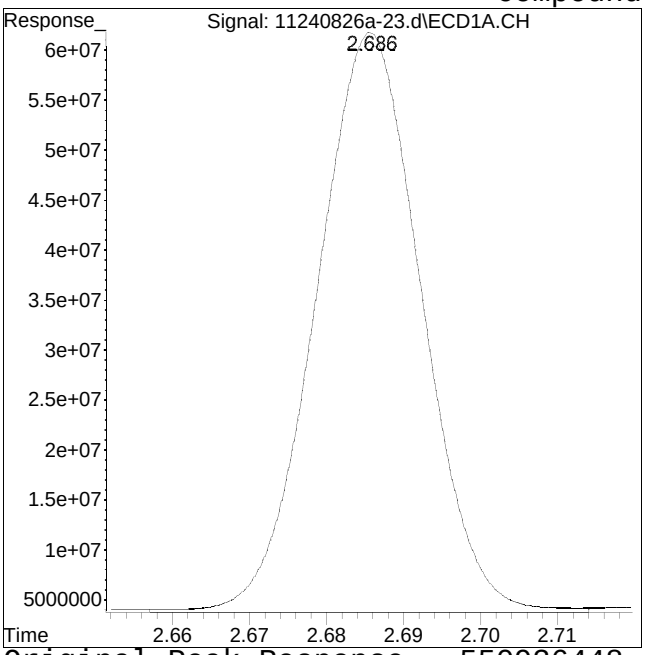


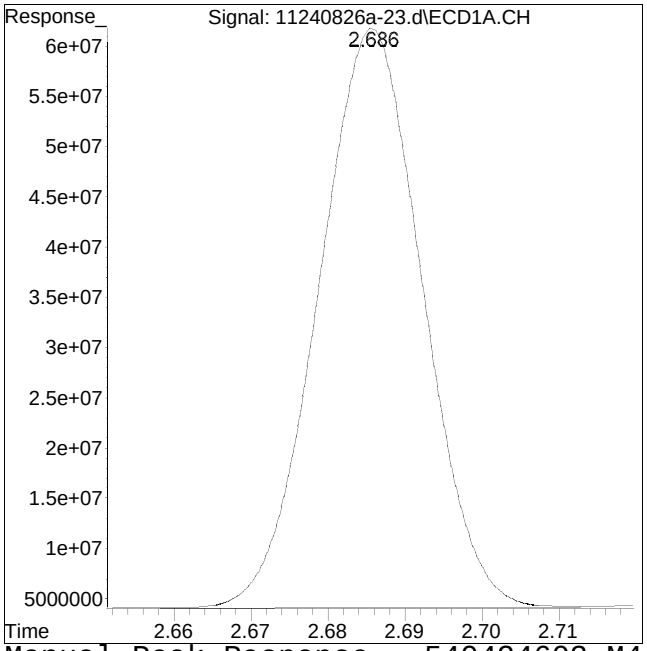
Original Peak Response = 357406526 Manual Peak Response = 331505214 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #9: Aldrin



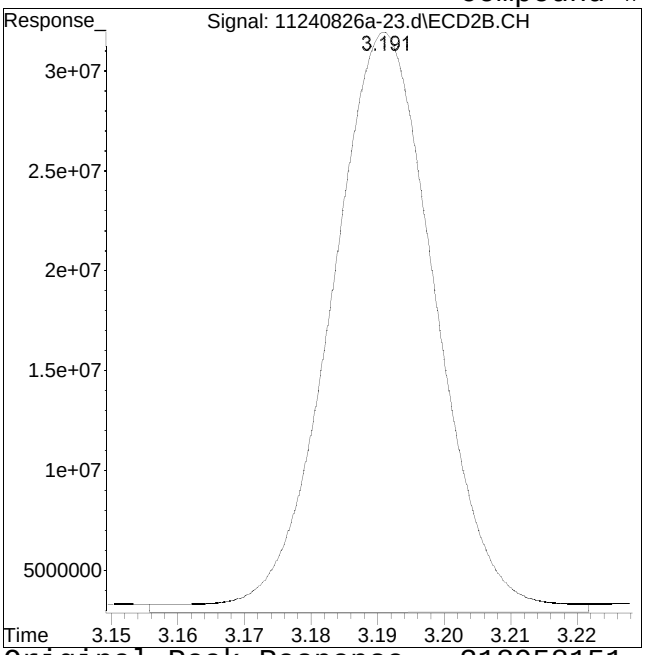


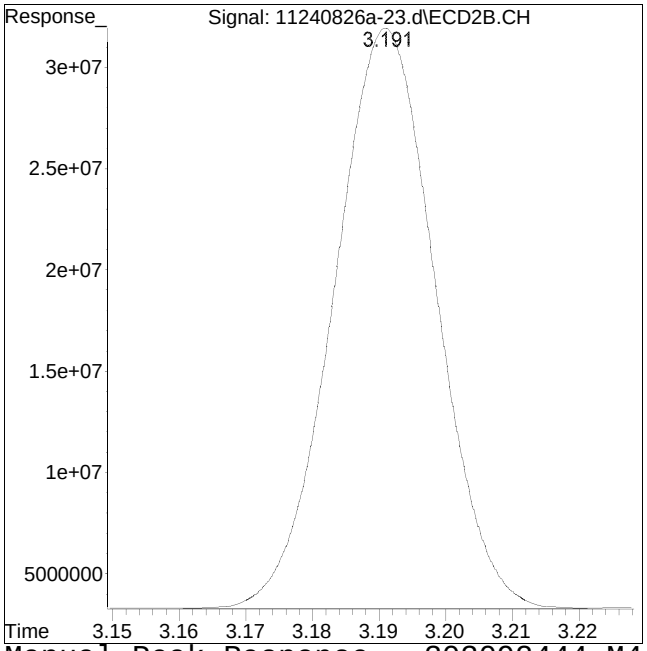
Original Peak Response = 550936448 Manual Peak Response = 540424603 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #47: Aldrin #2



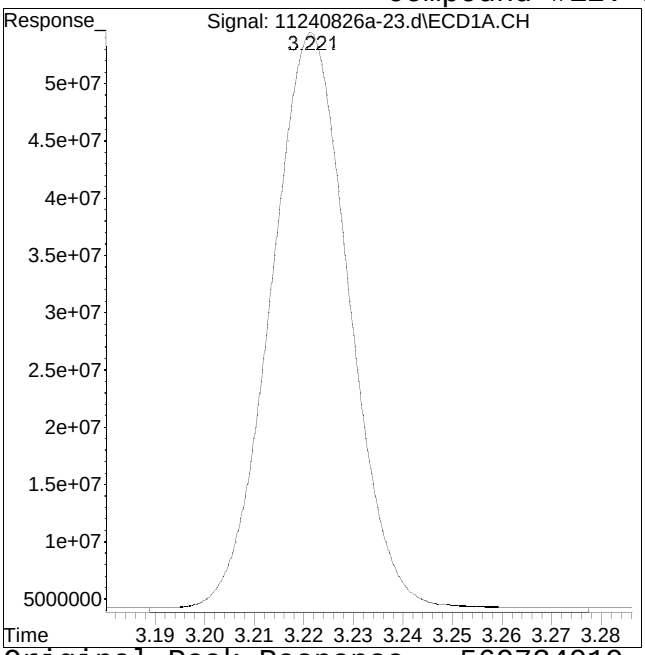


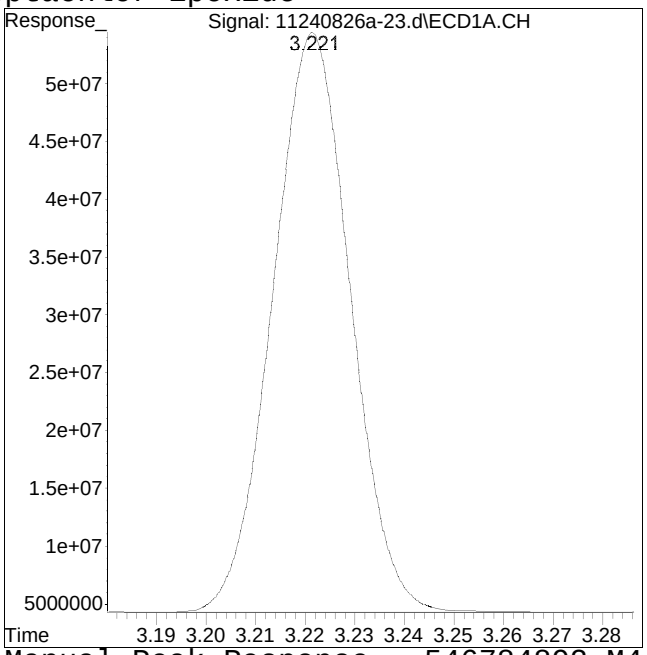
Original Peak Response = 318958151 Manual Peak Response = 303092444 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #12: Heptachlor Epoxide



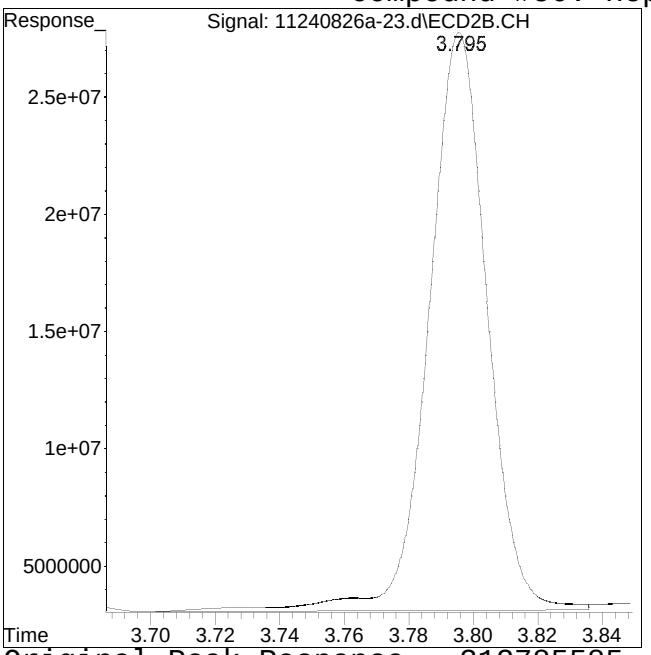


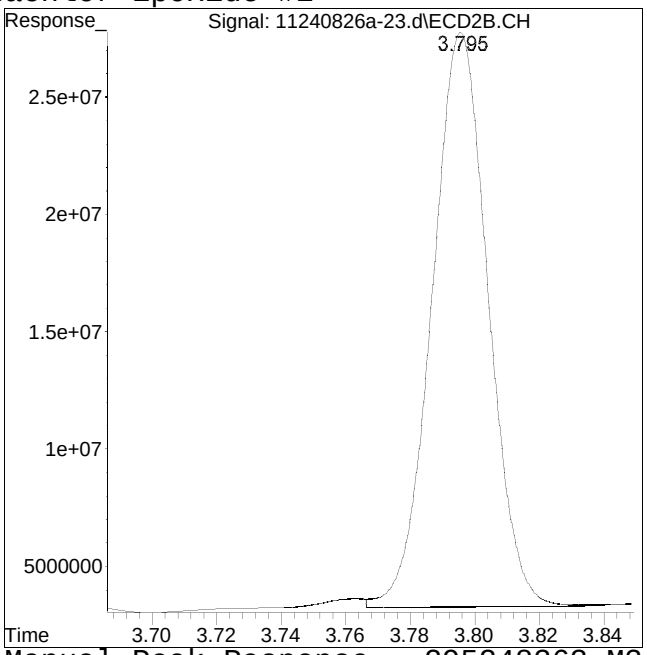
Original Peak Response = 569734919 Manual Peak Response = 546784892 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #50: Heptachlor Epoxide #2



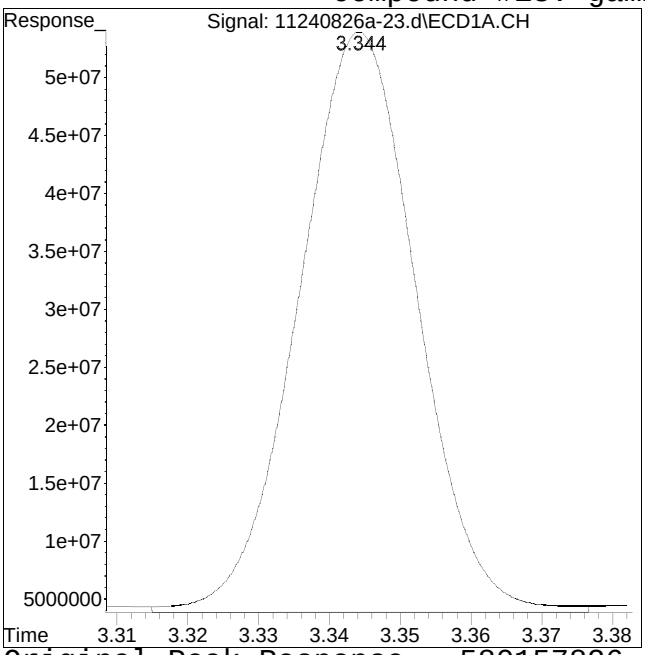


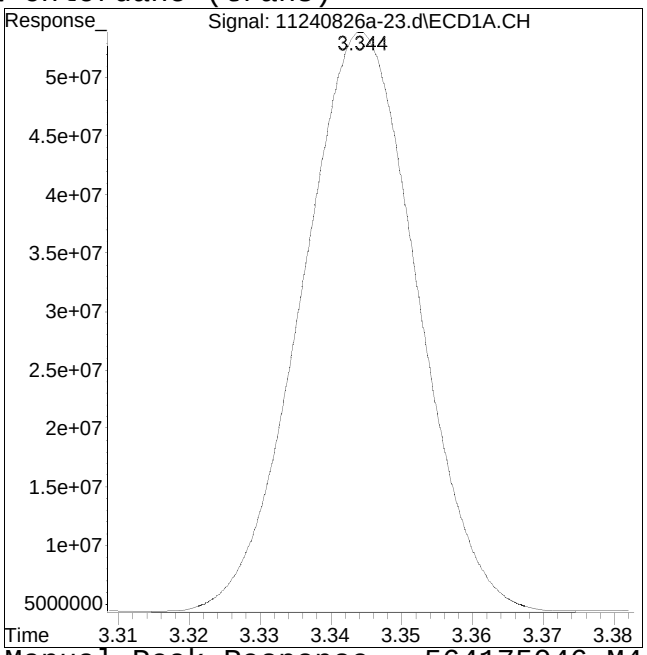
Original Peak Response = 312785585 Manual Peak Response = 295248363 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #13: gamma-Chlordane (trans)



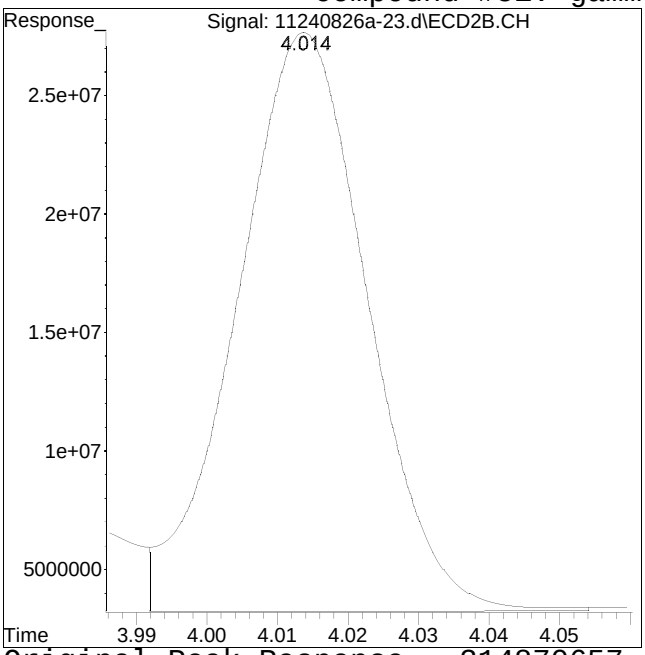


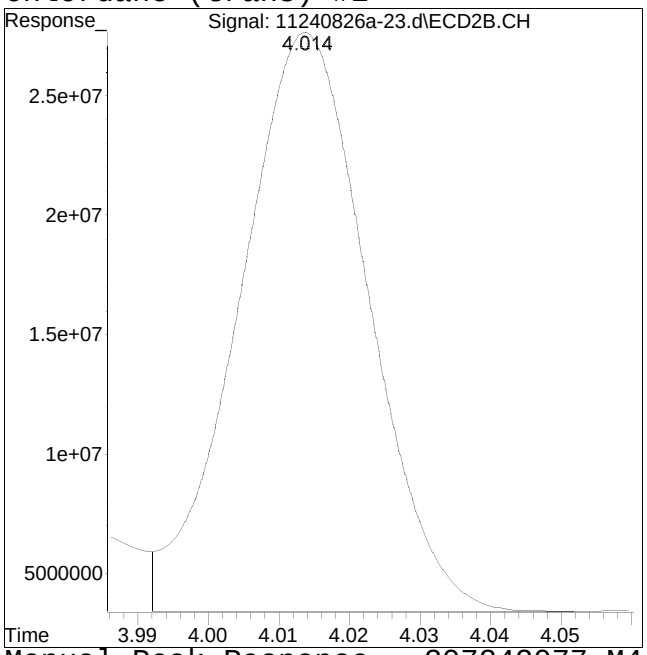
Original Peak Response = 580157826 Manual Peak Response = 564175046 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #51: gamma-Chlordane (trans) #2



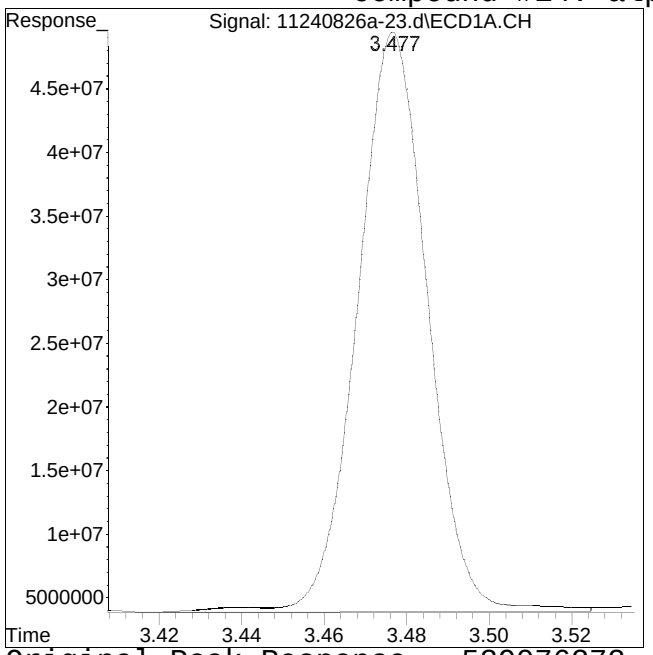


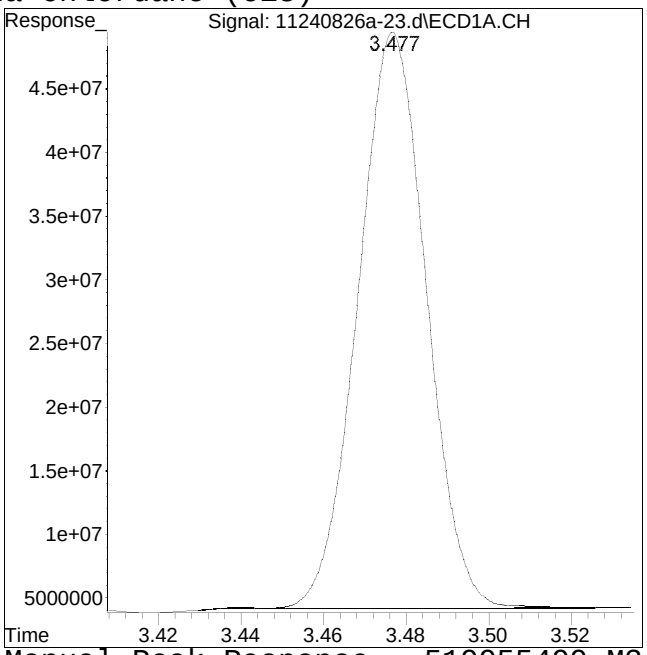
Original Peak Response = 314870657 Manual Peak Response = 307242077 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #14: alpha-Chlordane (cis)



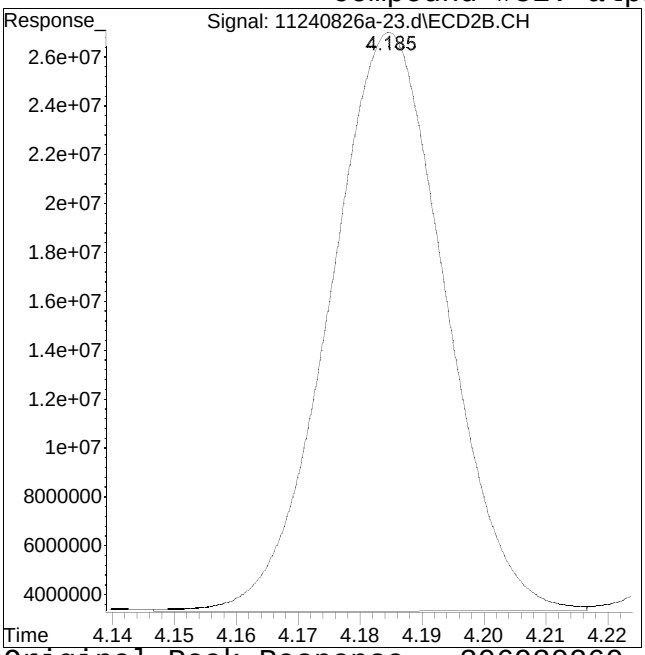


Original Peak Response = 539076272 Manual Peak Response = 519955499 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

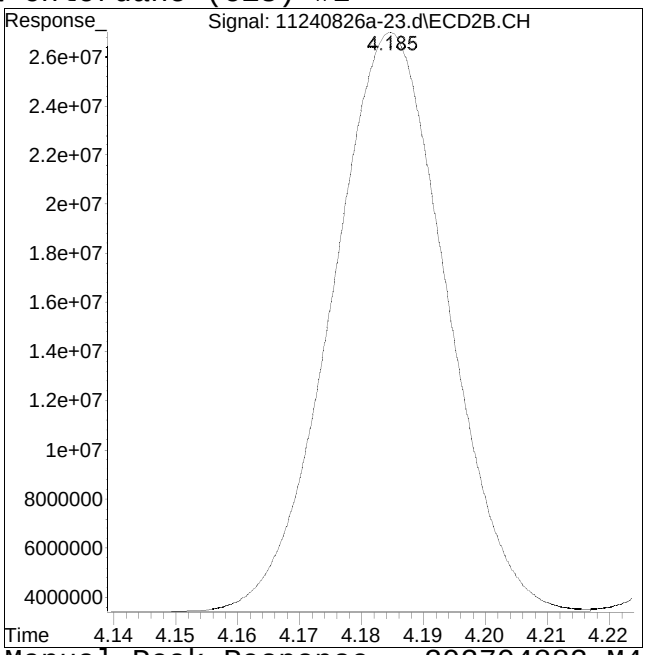
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 306930260



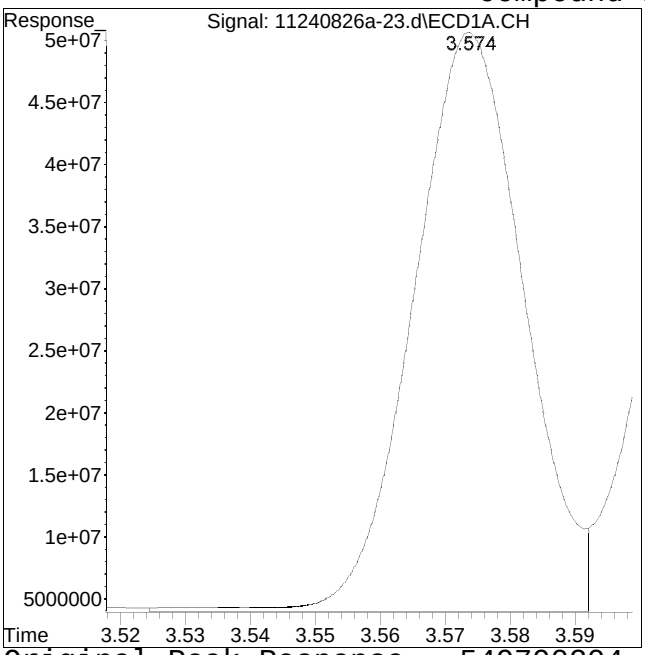
Manual Peak Response = 302704882 M4

M4 = Poor automated baseline construction.

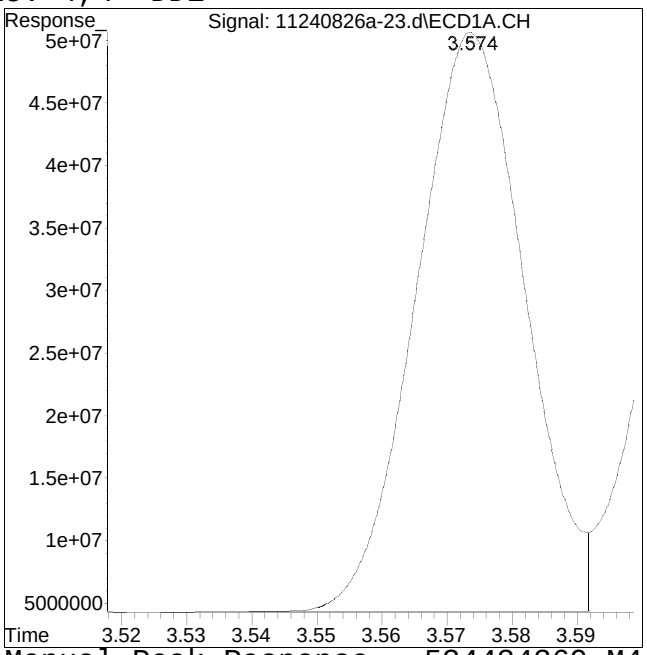
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #15: 4,4'-DDE



Original Peak Response = 549790204



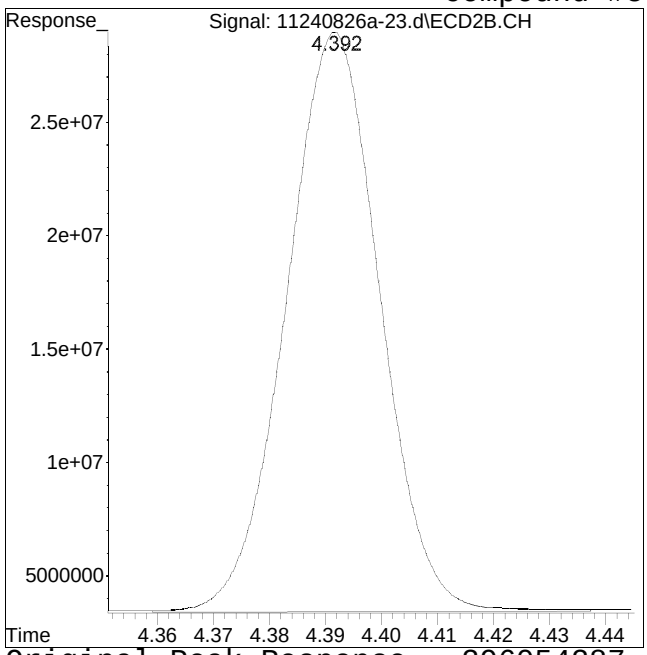
Manual Peak Response = 534434369 M4

M4 = Poor automated baseline construction.

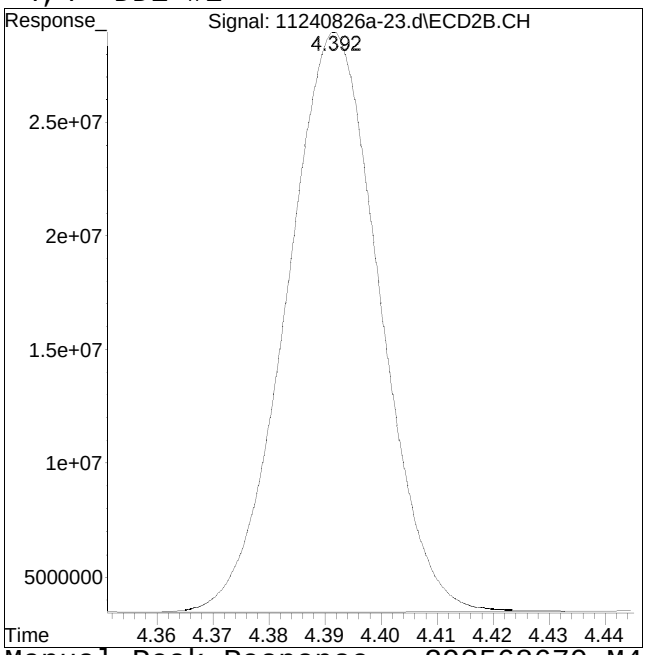
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 296054287



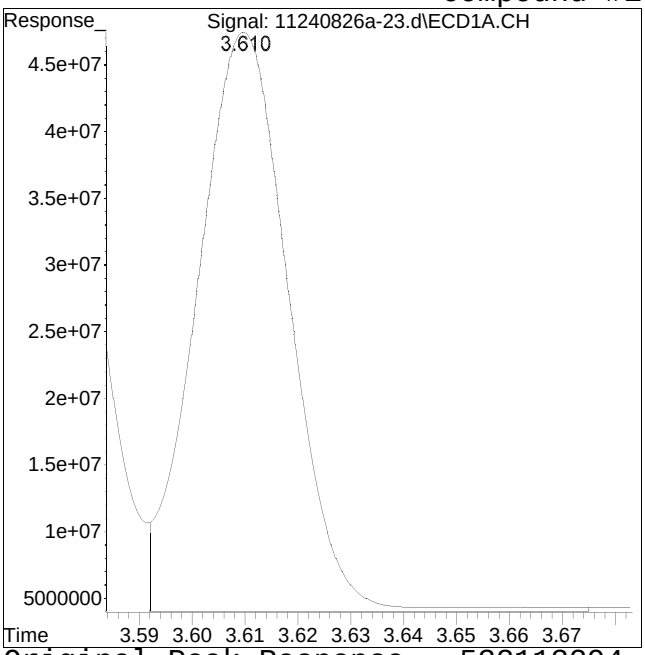
Manual Peak Response = 293568670 M4

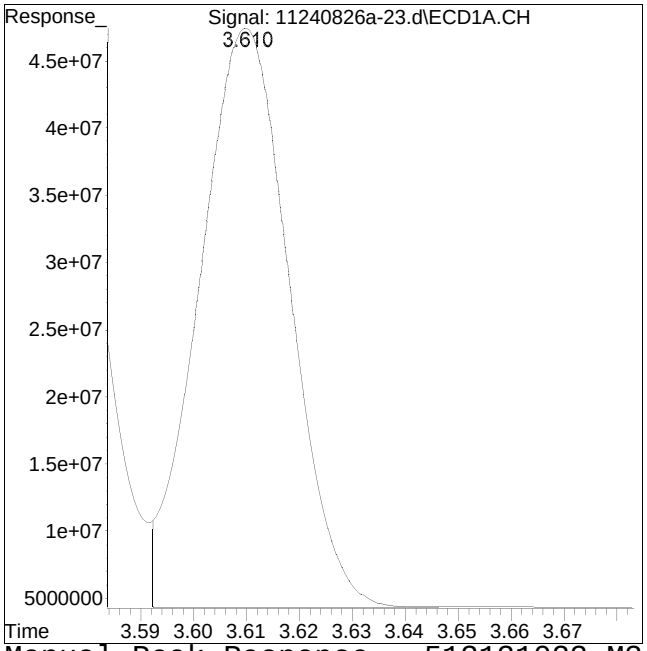
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #16: Endosulfan I



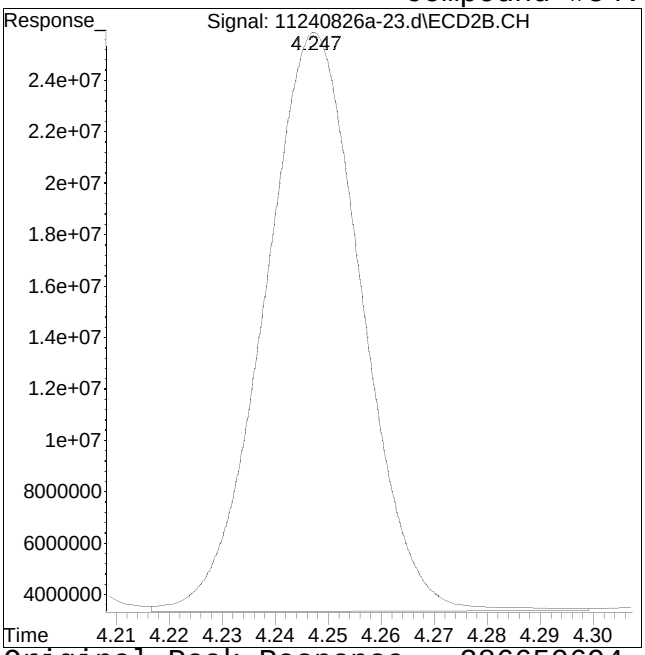


Original Peak Response = 532113294 Manual Peak Response = 513131023 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

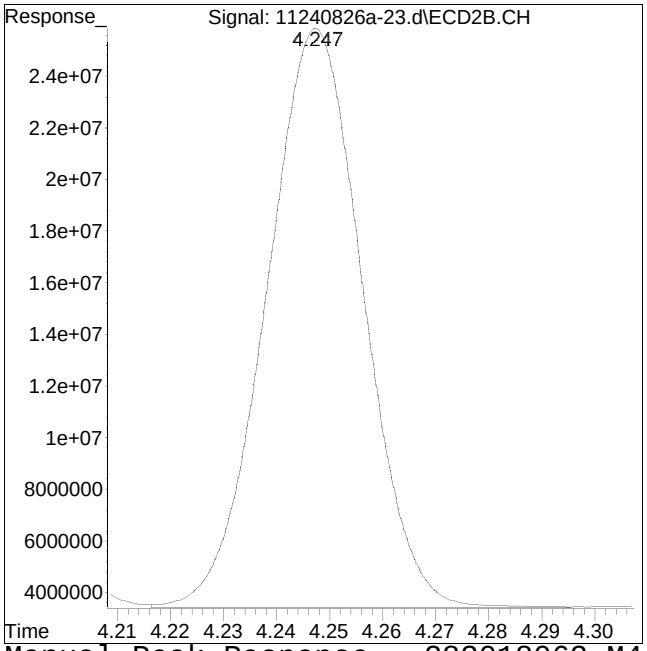
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #54: Endosulfan I #2



Original Peak Response = 286650694



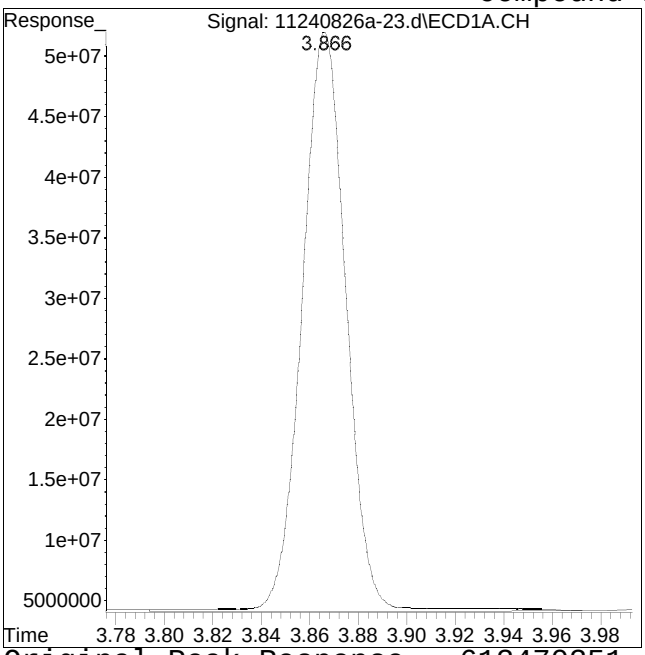
Manual Peak Response = 283018062 M4

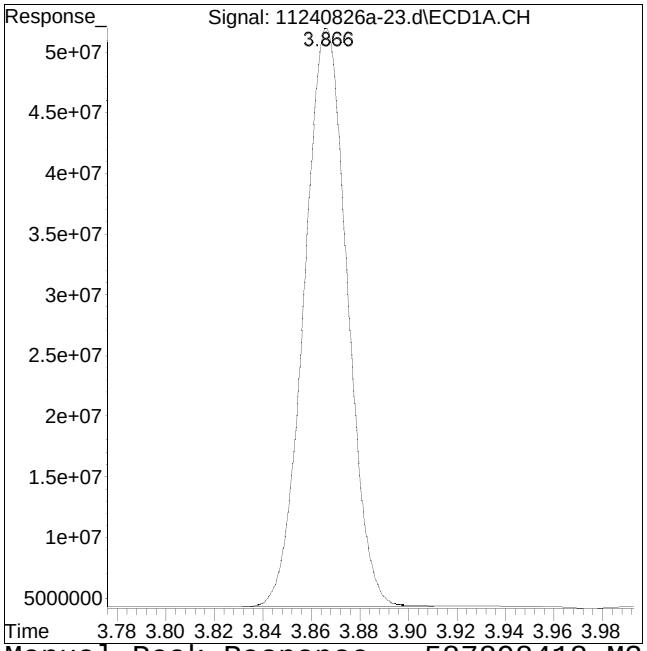
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #17: Dieldrin



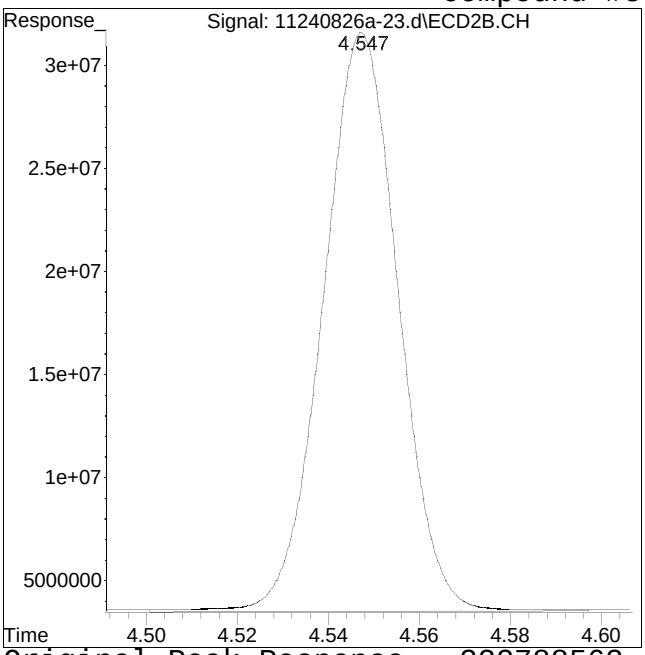


Original Peak Response = 613470351 Manual Peak Response = 587898418 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

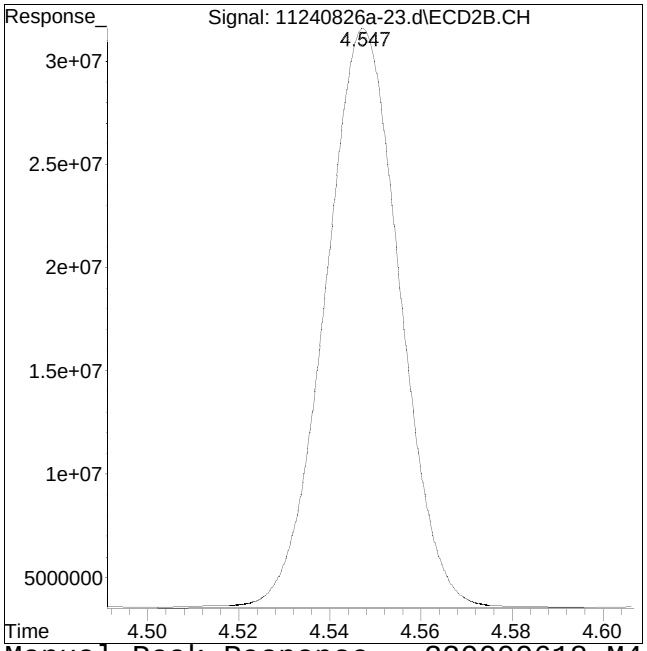
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #55: Dieldrin #2



Original Peak Response = 322788563



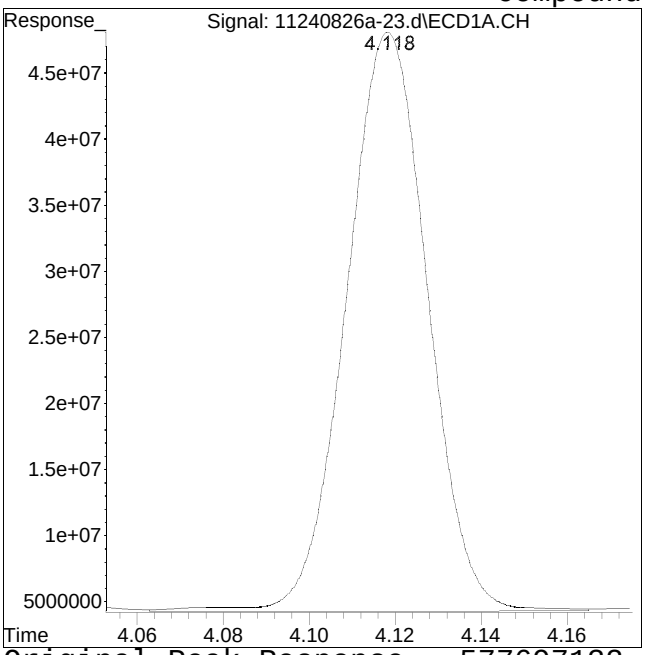
Manual Peak Response = 320000618 M4

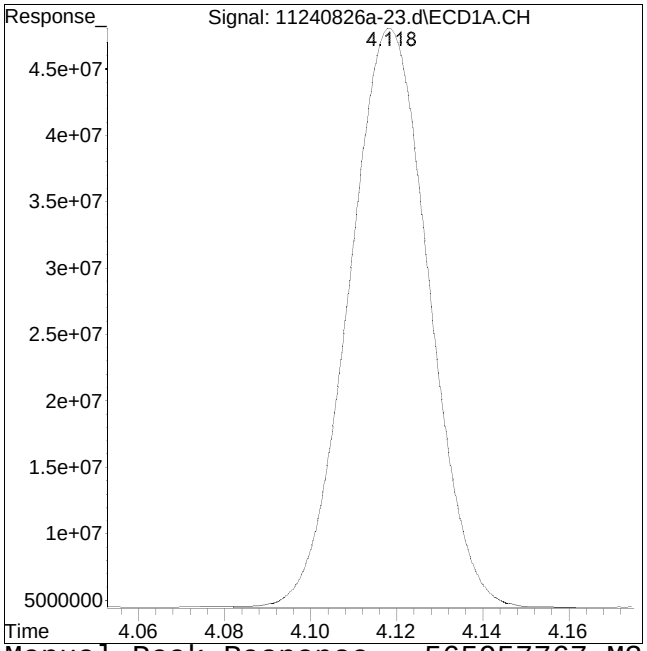
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #18: Endrin



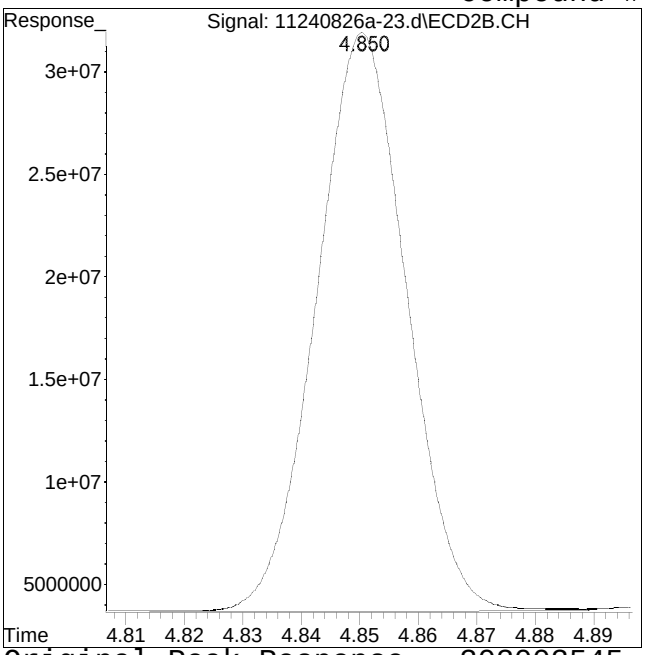


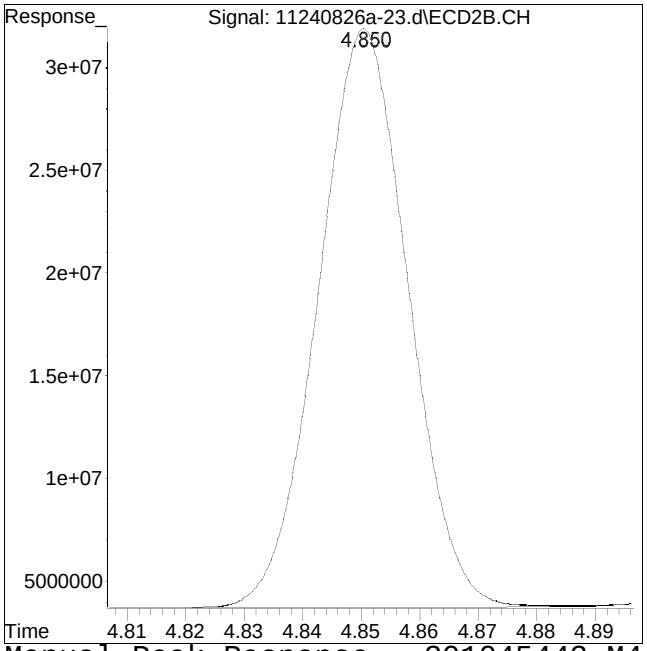
Original Peak Response = 577697132 Manual Peak Response = 565957767 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #56: Endrin #2



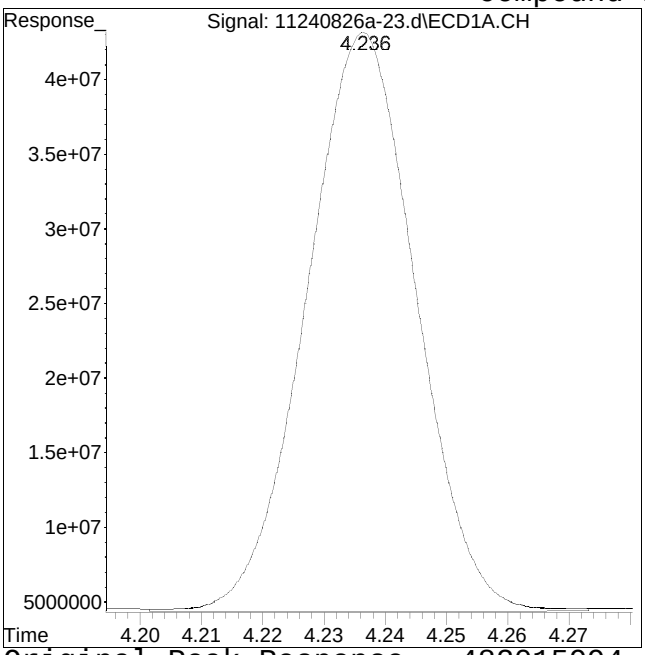


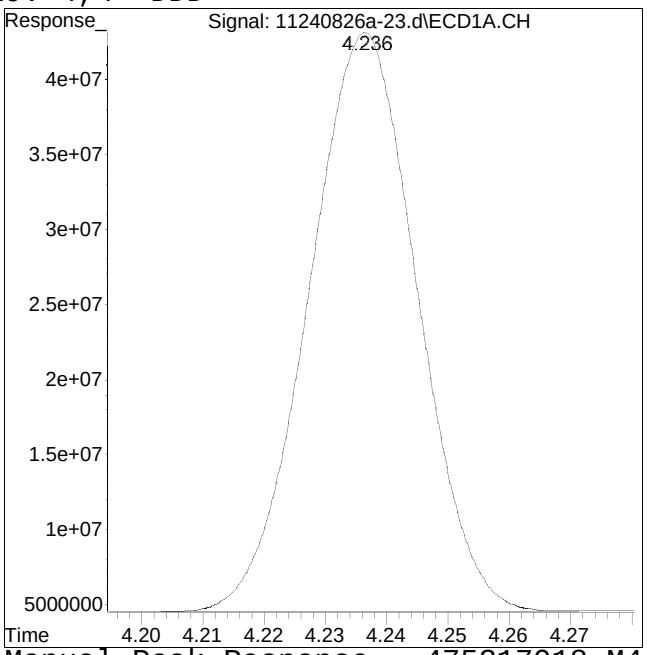
Original Peak Response = 303003545 Manual Peak Response = 301045443 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #19: 4,4'-DDD



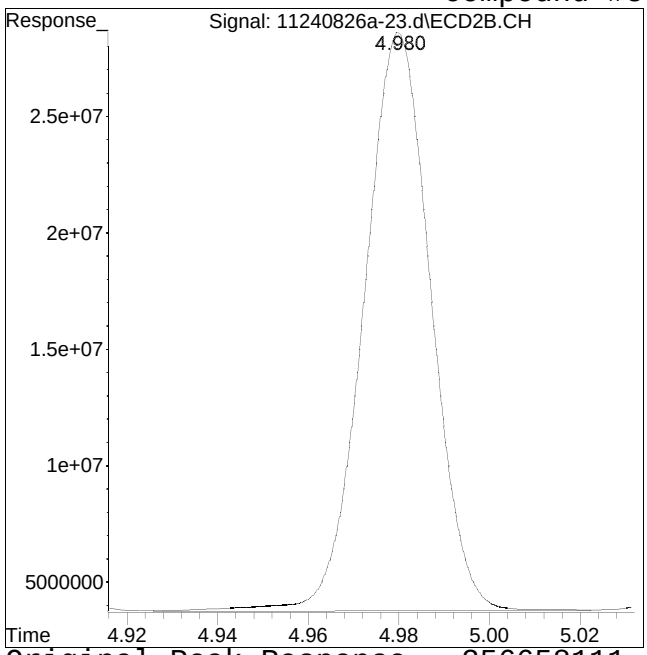


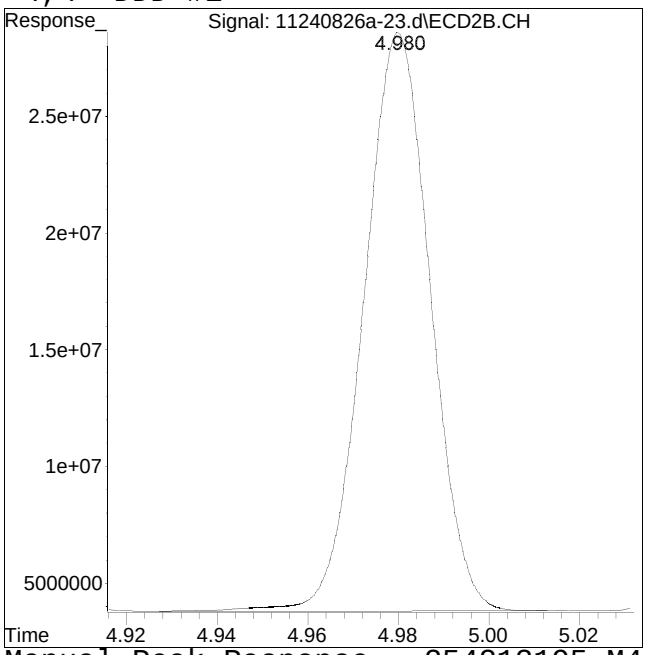
Original Peak Response = 482015994 Manual Peak Response = 475317918 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #57: 4,4'-DDD #2



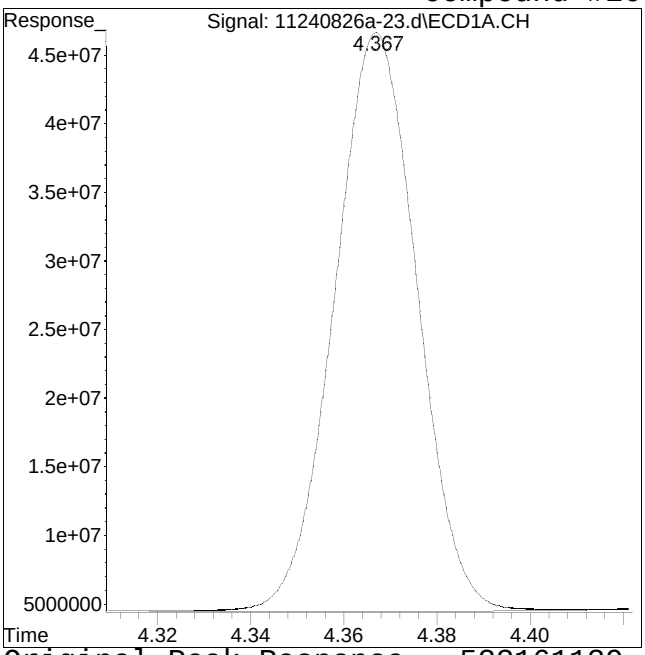


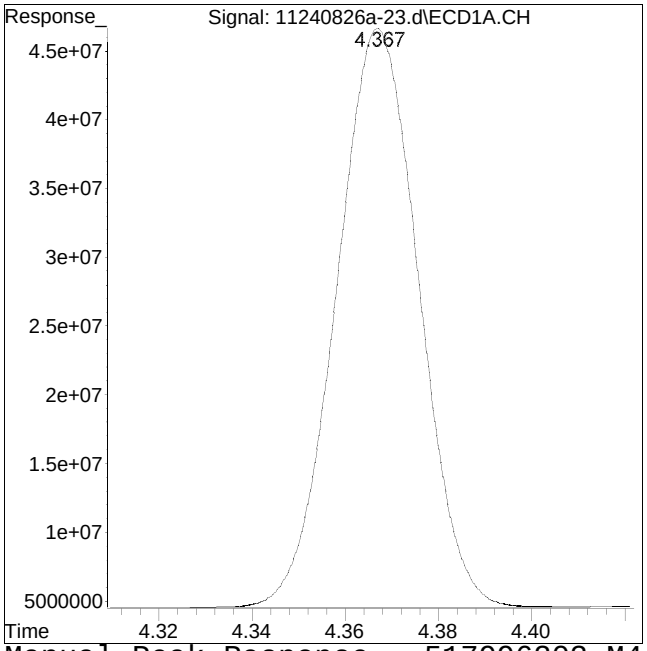
Original Peak Response = 256658111 Manual Peak Response = 254213195 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #20: Endosulfan II



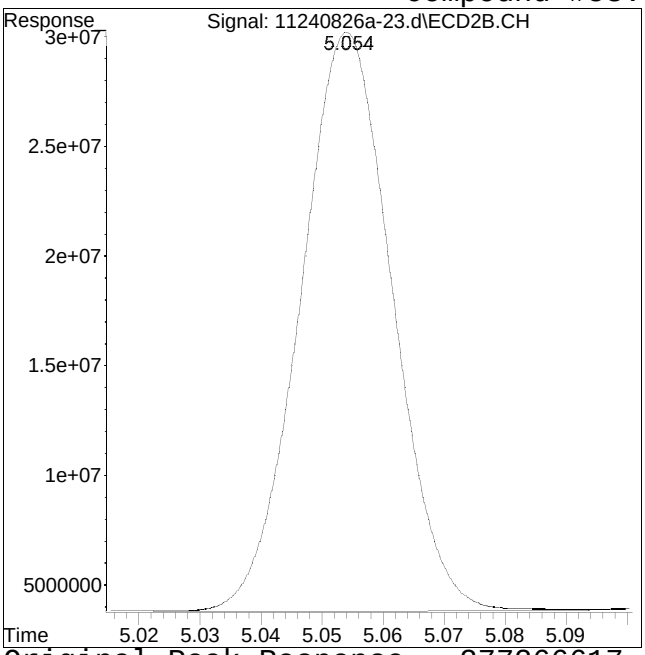


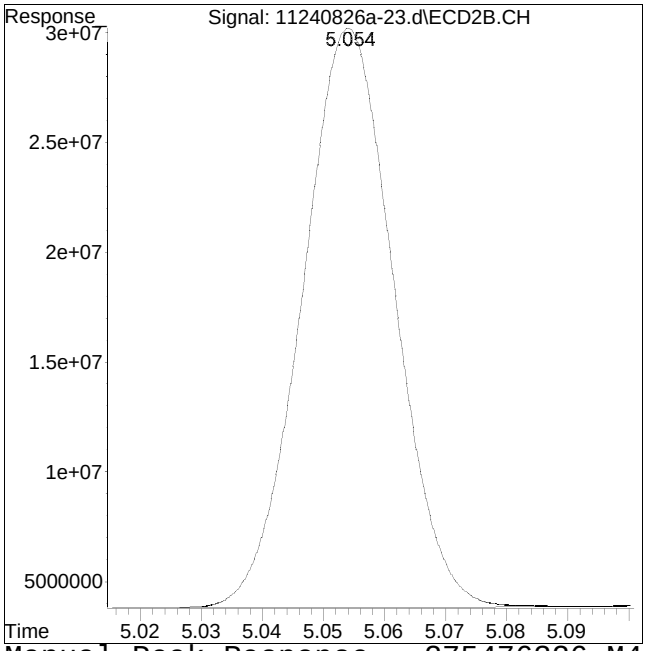
Original Peak Response = 523161139 Manual Peak Response = 517996203 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #58: Endosulfan II #2



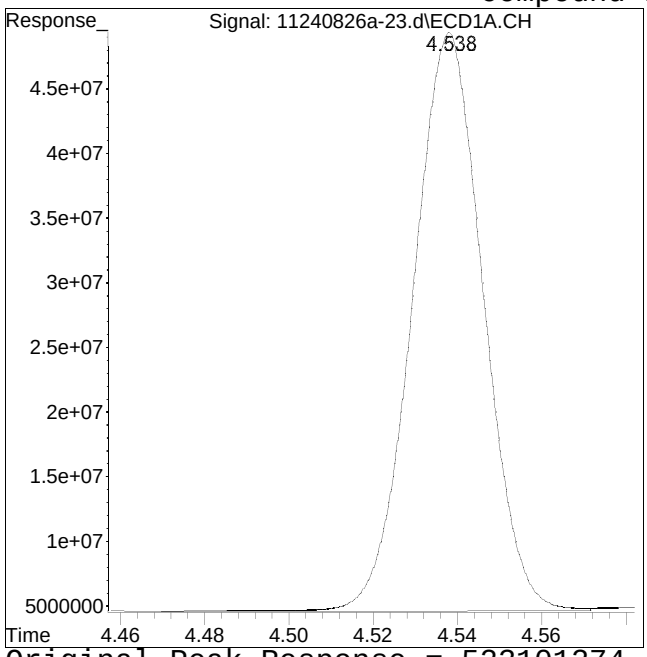


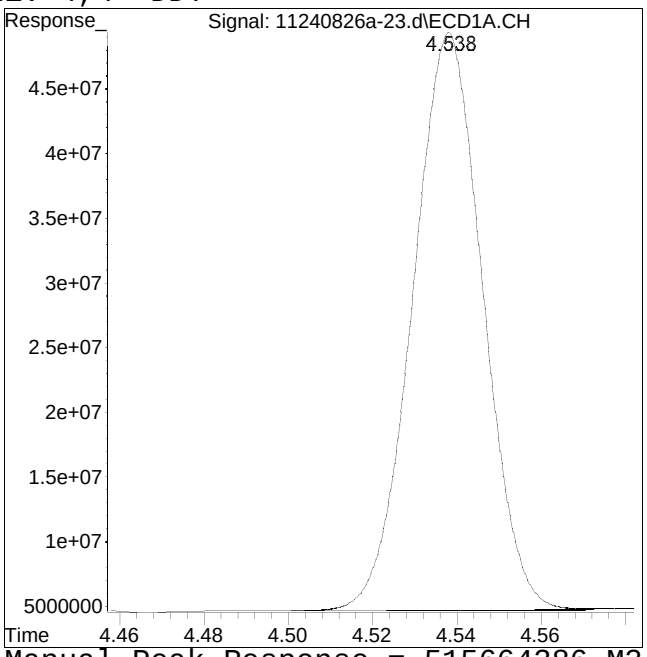
Original Peak Response = 277266617 Manual Peak Response = 275476326 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #21: 4,4'-DDT



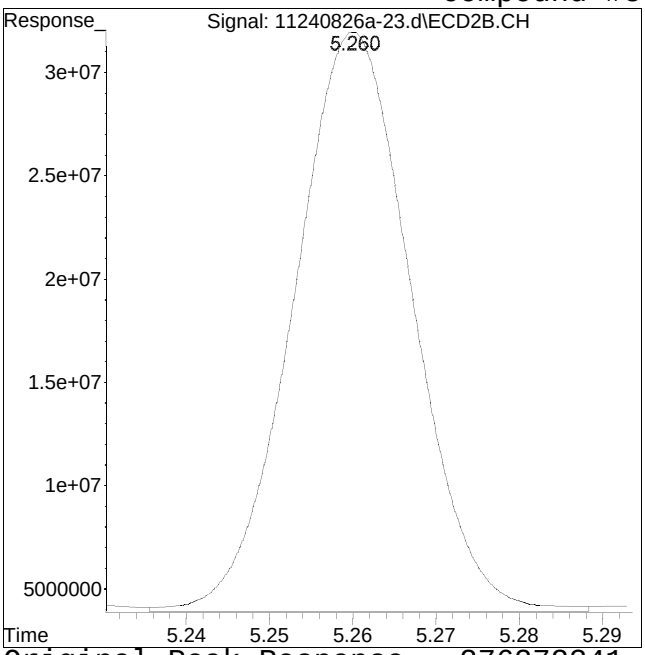


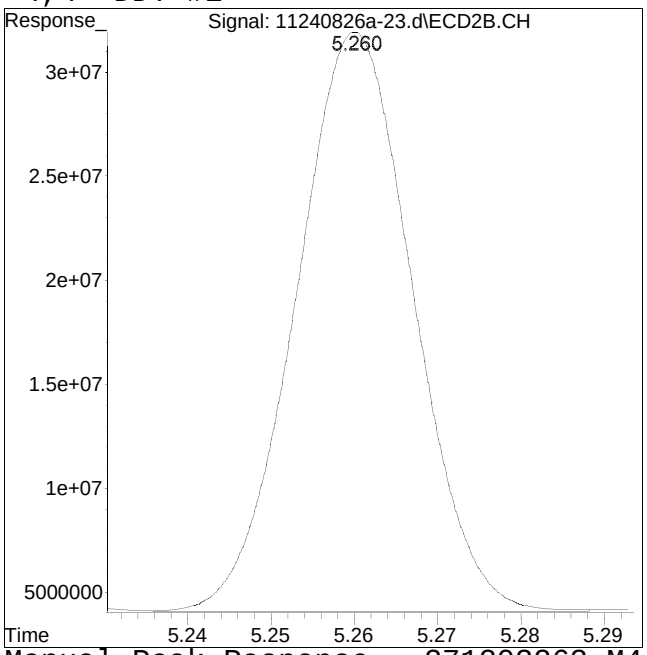
Original Peak Response = 523101274 Manual Peak Response = 515664386 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #59: 4,4'-DDT #2



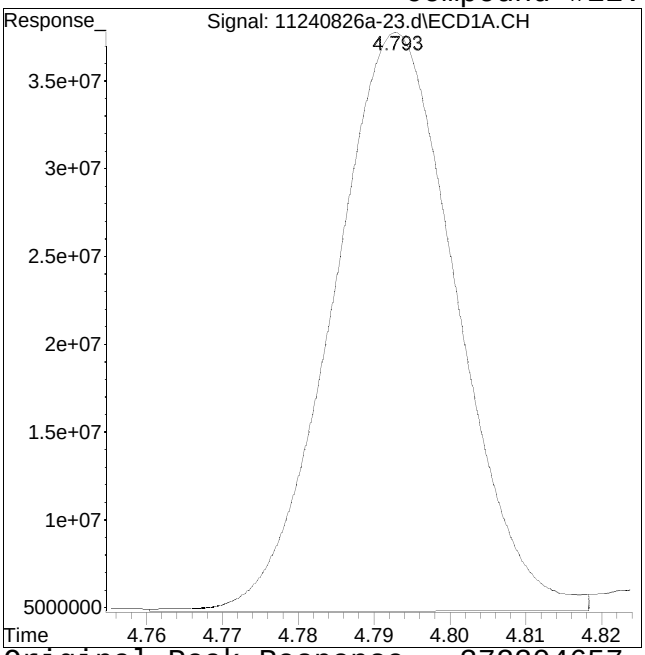


Original Peak Response = 276272341 Manual Peak Response = 271203263 M4
M4 = Poor automated baseline construction.

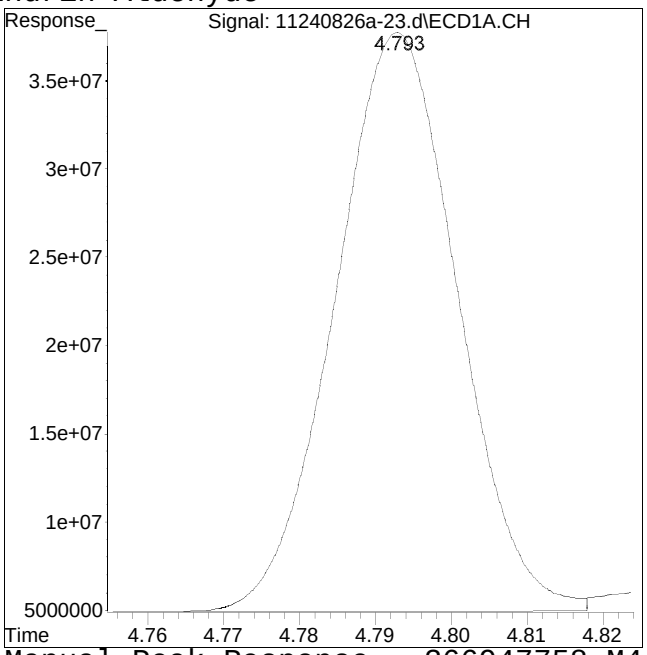
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 372304657

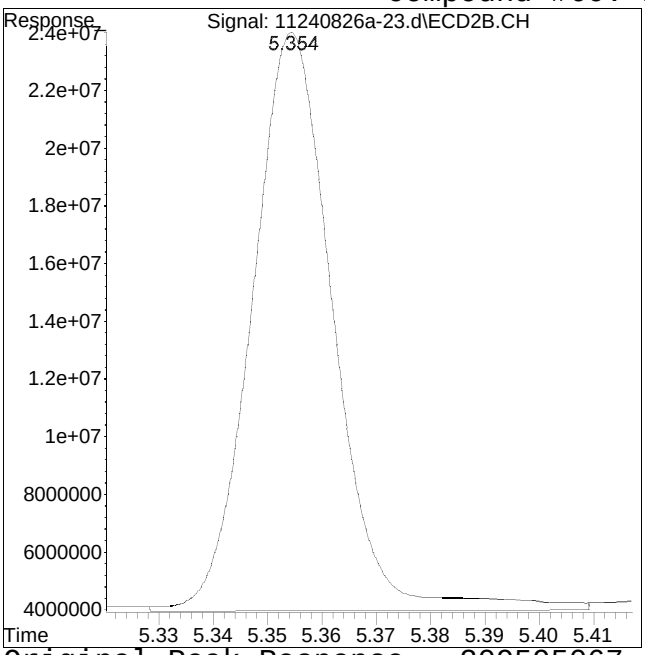


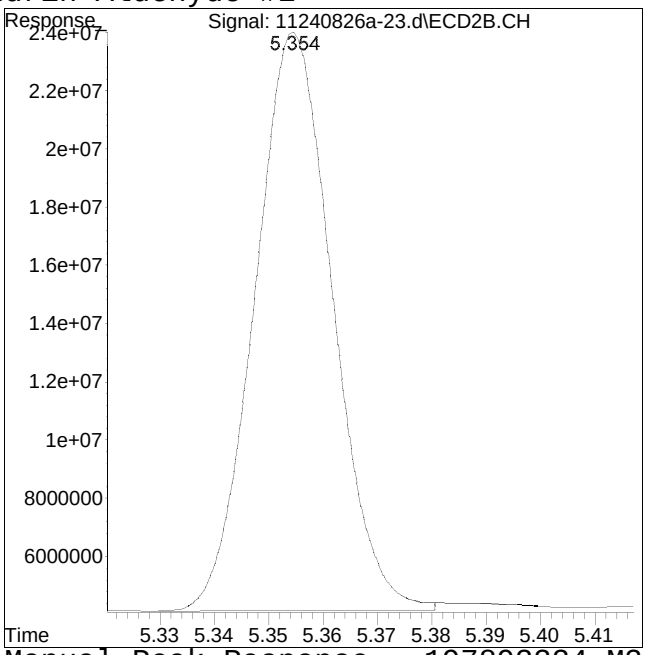
Manual Peak Response = 366947758 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #60: Endrin Aldehyde #2



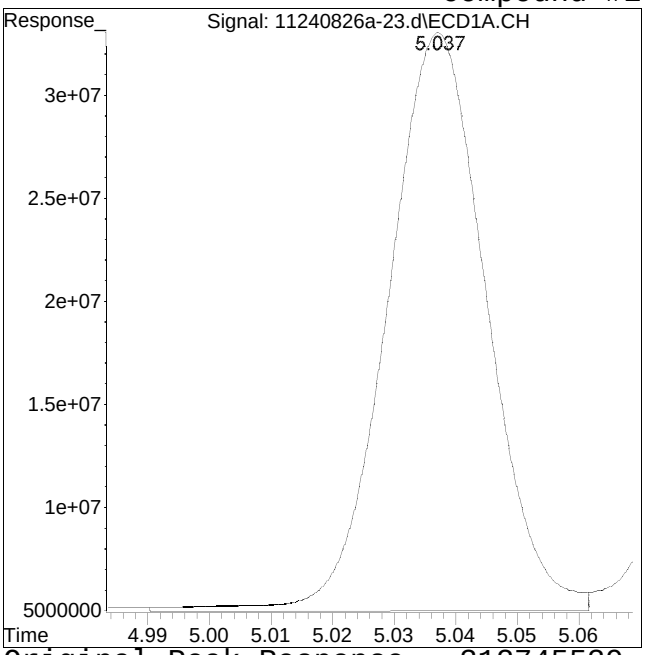


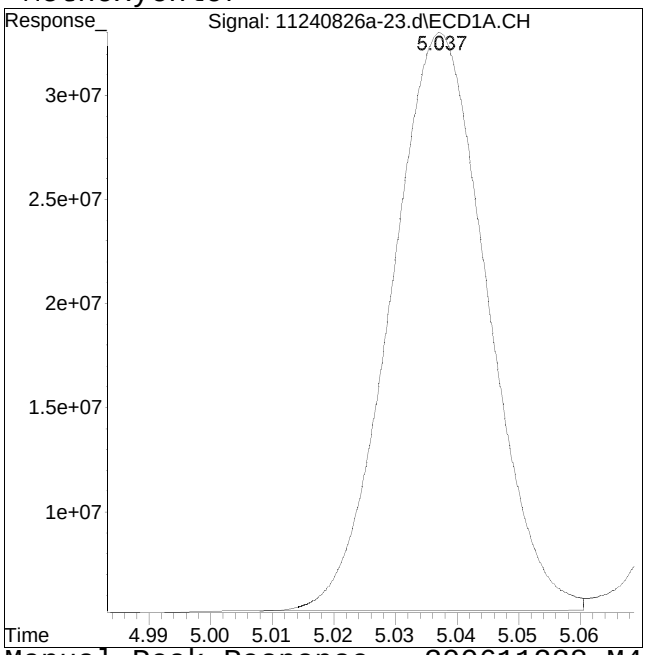
Original Peak Response = 209595067 Manual Peak Response = 197893324 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #23: Methoxychlor



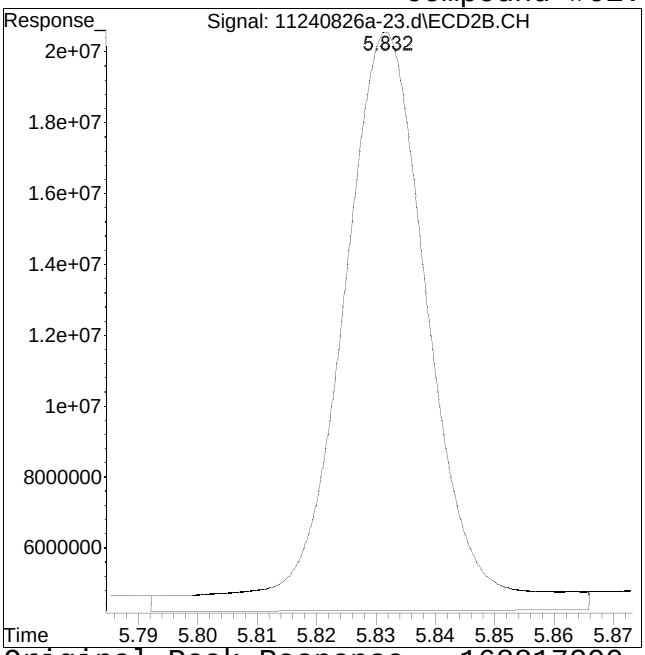


Original Peak Response = 312745539 Manual Peak Response = 300611228 M4
M4 = Poor automated baseline construction.

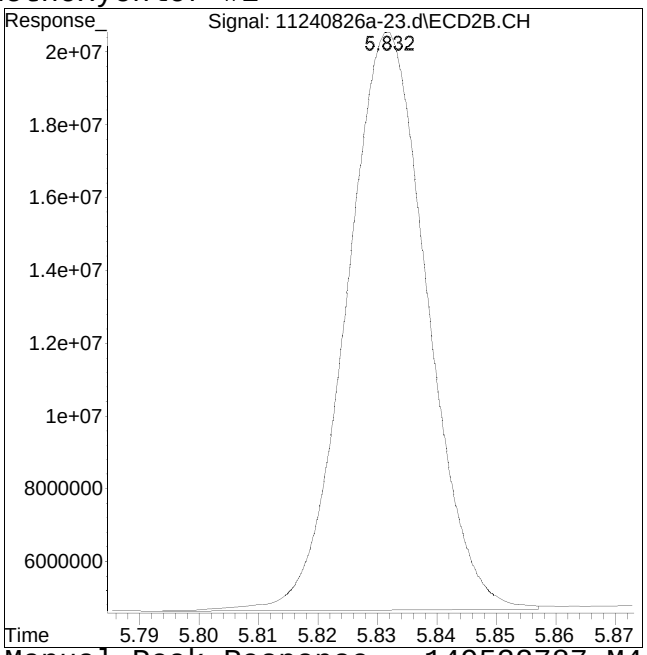
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #61: Methoxychlor #2



Original Peak Response = 168817200



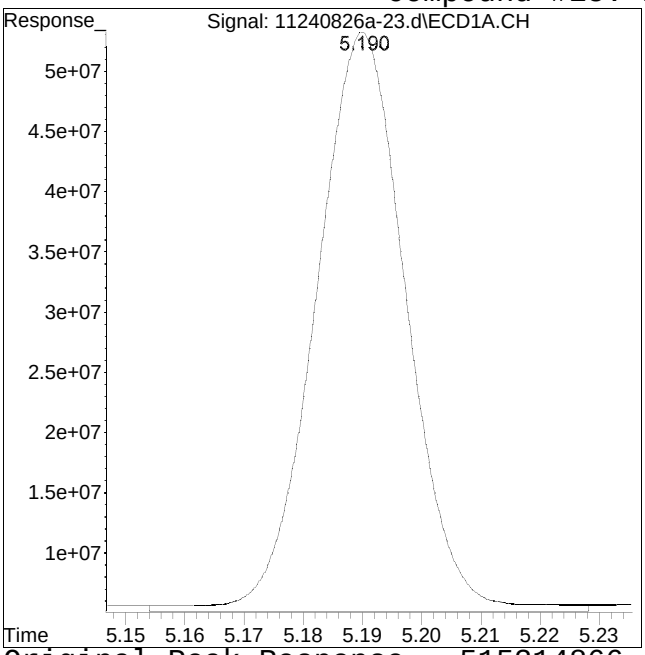
Manual Peak Response = 149532787 M4

M4 = Poor automated baseline construction.

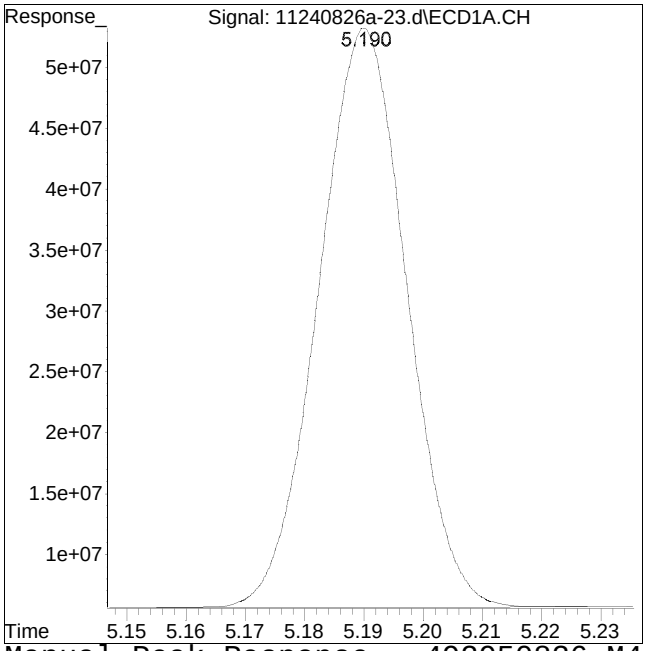
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #25: Endosulfan Sulfate



Original Peak Response = 515314866



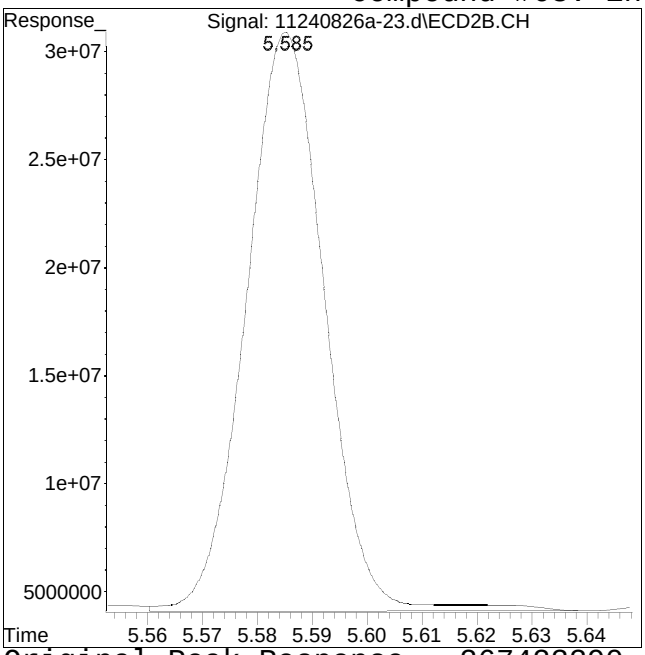
Manual Peak Response = 492950836 M4

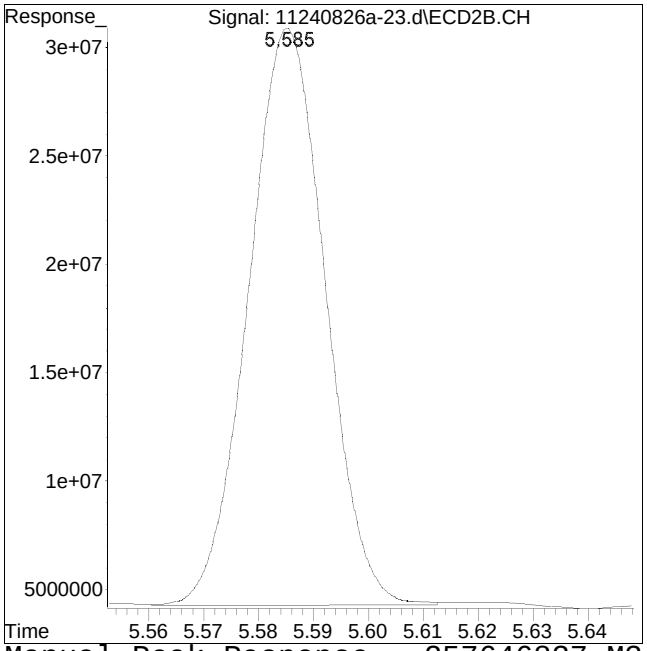
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #63: Endosulfan Sulfate #2



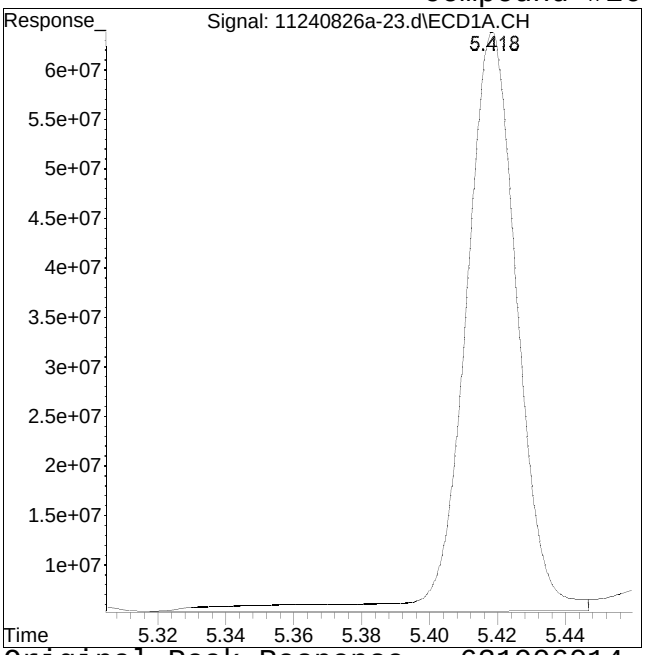


Original Peak Response = 267423390 Manual Peak Response = 257646837 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

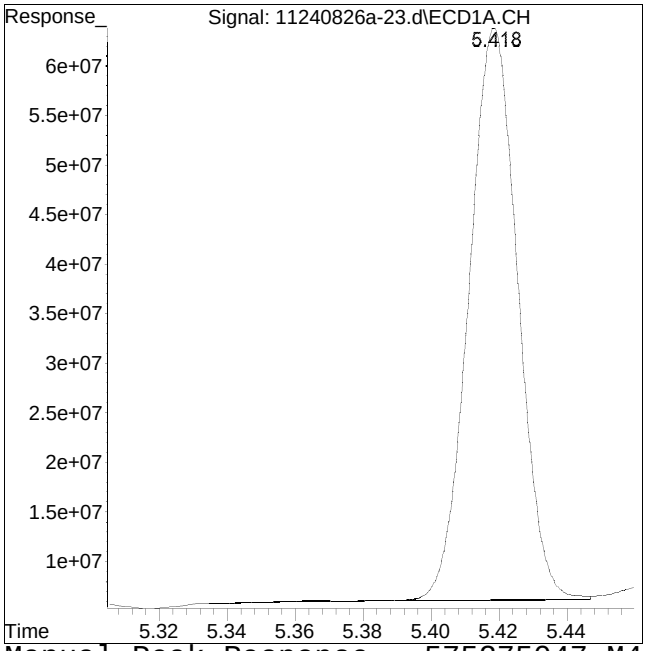
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #26: Endrin Ketone



Original Peak Response = 631906014



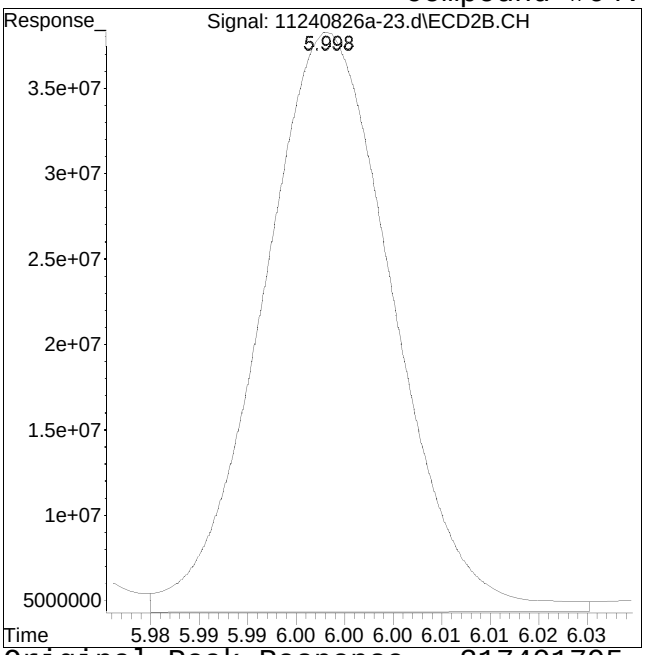
Manual Peak Response = 575275047 M4

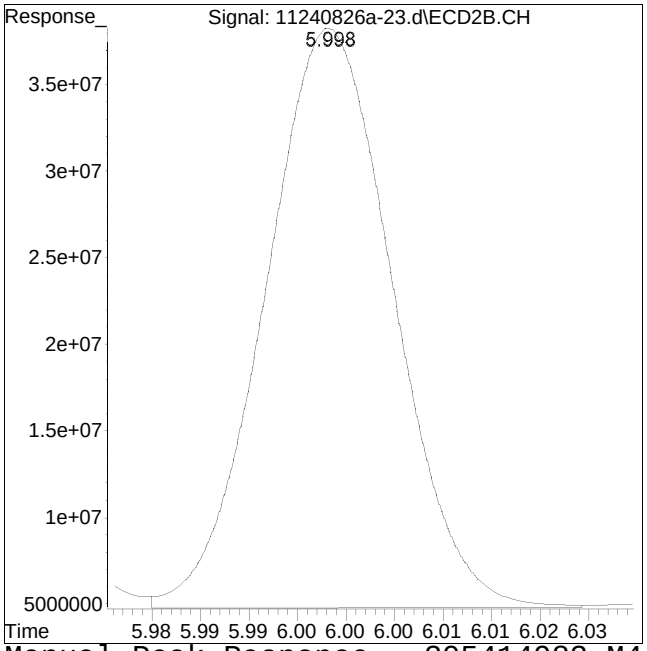
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #64: Endrin Ketone #2



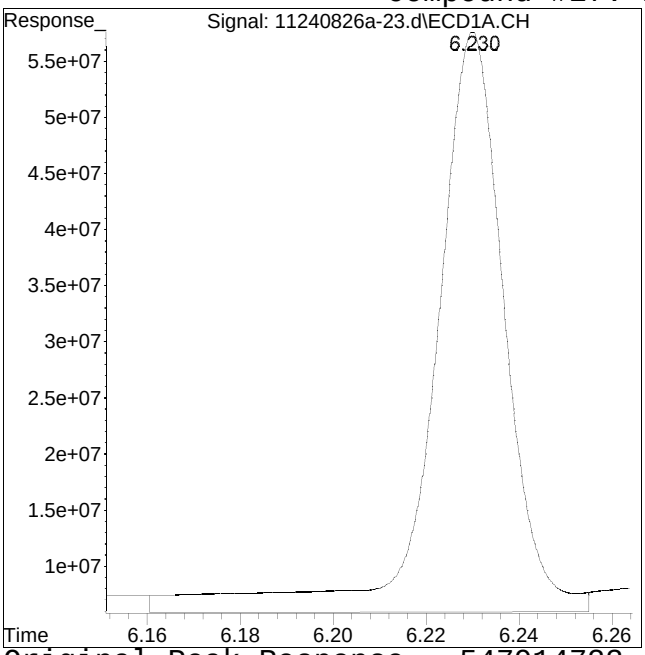


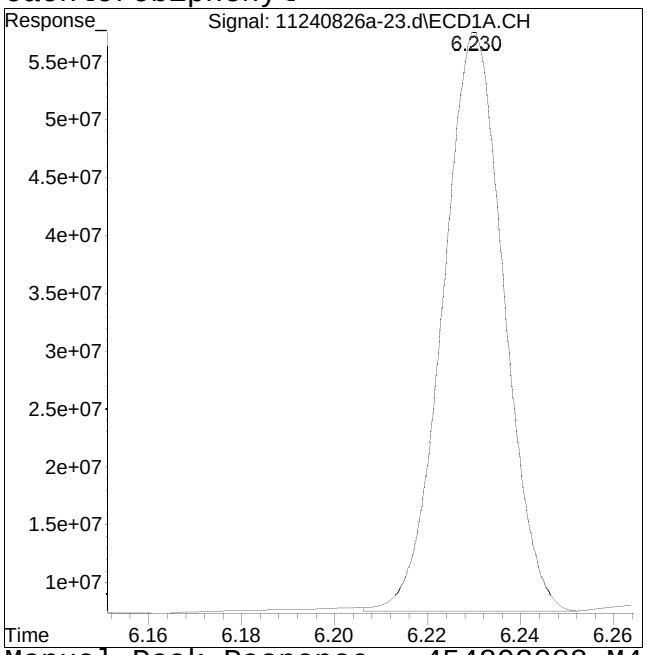
Original Peak Response = 317401795 Manual Peak Response = 305414983 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #27: Decachlorobiphenyl



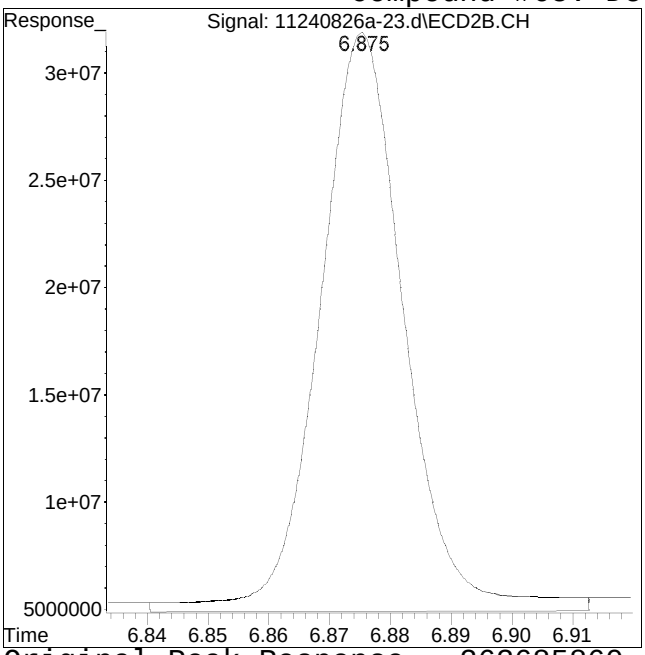


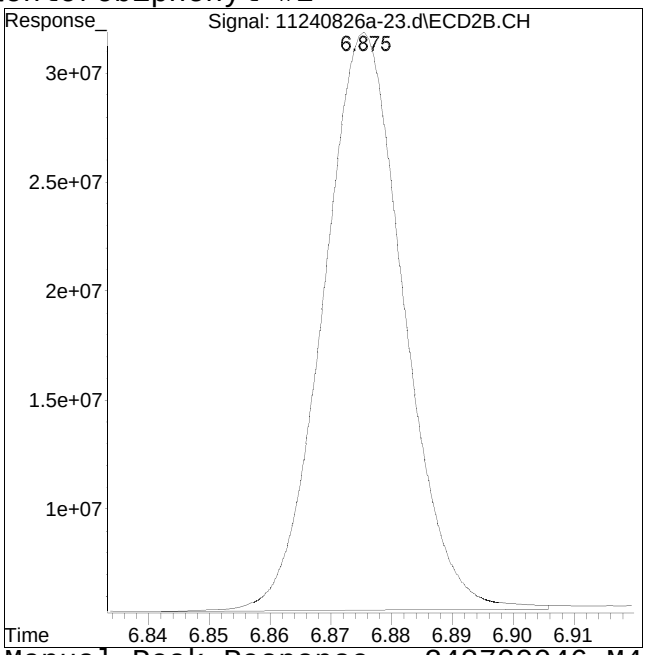
Original Peak Response = 547914723 Manual Peak Response = 454803088 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-23.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:25 Instrument : Pest 11
Sample : WG1963569-4,42,, ms Quant Date : 8/26/2024 1:55 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 263685860 Manual Peak Response = 243720046 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:37
Operator : PEST11:ejl
Sample : WG1963569-5,42,, msd
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:31 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.265	1.340	325.2E6	192.8E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 226873788				Recovery = 143.34%		
	Standard Area 1 : #2 = 173865216				Recovery = 110.89%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.602	1.805	436.3E6	252.8E6	32.281M3	29.435M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 64.56%		58.87%	
27) s	Decachlorobi	6.229	6.874	445.2E6	234.7E6	29.430M4	28.709M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 58.86%		57.42%	
Target Compounds							
4) t	alpha-BHC	1.908	2.210	614.2E6	359.4E6	32.327M3	28.776M4
5) t	gamma-BHC (l	2.106	2.489	594.1E6	329.1E6	32.730M4	27.726M4
6) t	beta-BHC	2.161	2.555	269.5E6	146.4E6	32.998M3	29.851M4
7) t	delta-BHC	2.287	2.817	559.1E6	287.3E6	31.279M3	24.462M4
8) t	Heptachlor	2.447	2.877	595.5E6	317.4E6	34.654M3	25.765M3
9) t	Aldrin	2.685	3.191	521.8E6	291.4E6	32.527M4	26.336M4
12) t	Heptachlor E	3.221	3.795	528.3E6	277.5E6	34.261M4	25.242M4
13) t	gamma-Chlord	3.344	4.014	548.3E6	295.0E6	39.142M3	29.166M4
14) t	alpha-Chlord	3.476	4.185	516.1E6	290.1E6	32.620M3	26.016M4
15) t	4,4'-DDE	3.573	4.392	518.5E6	280.7E6	33.453M4	27.110M4
16) t	Endosulfan I	3.609	4.247	503.6E6	270.3E6	34.689M3	26.311M4
17) t	Dieldrin	3.866	4.547	569.8E6	307.2E6	38.587M3	30.016M4
18) t	Endrin	4.118	4.850	546.9E6	287.3E6	36.473M3	27.668M4
19) t	4,4'-DDD	4.236	4.980	461.3E6	246.5E6	38.238M3	29.492M4
20) t	Endosulfan I	4.367	5.054	500.2E6	264.6E6	36.548M4	28.271M4
21) t	4,4'-DDT	4.538	5.260	501.1E6	260.5E6	36.394M4	27.016M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:37
Operator : PEST11:ejl
Sample : WG1963569-5,42,, msd
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:31 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240826A\11240826a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.793	5.355	355.0E6	192.6E6	30.790M4	26.567M3
23) t Methoxychlor	5.037	5.832	296.6E6	143.6E6	38.519M4	26.438M4
25) t Endosulfan S	5.189	5.585	482.4E6	248.2E6	36.728M4	26.845M3
26) t Endrin Keton	5.418	5.998	562.6E6	296.9E6	36.550M4	30.540M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

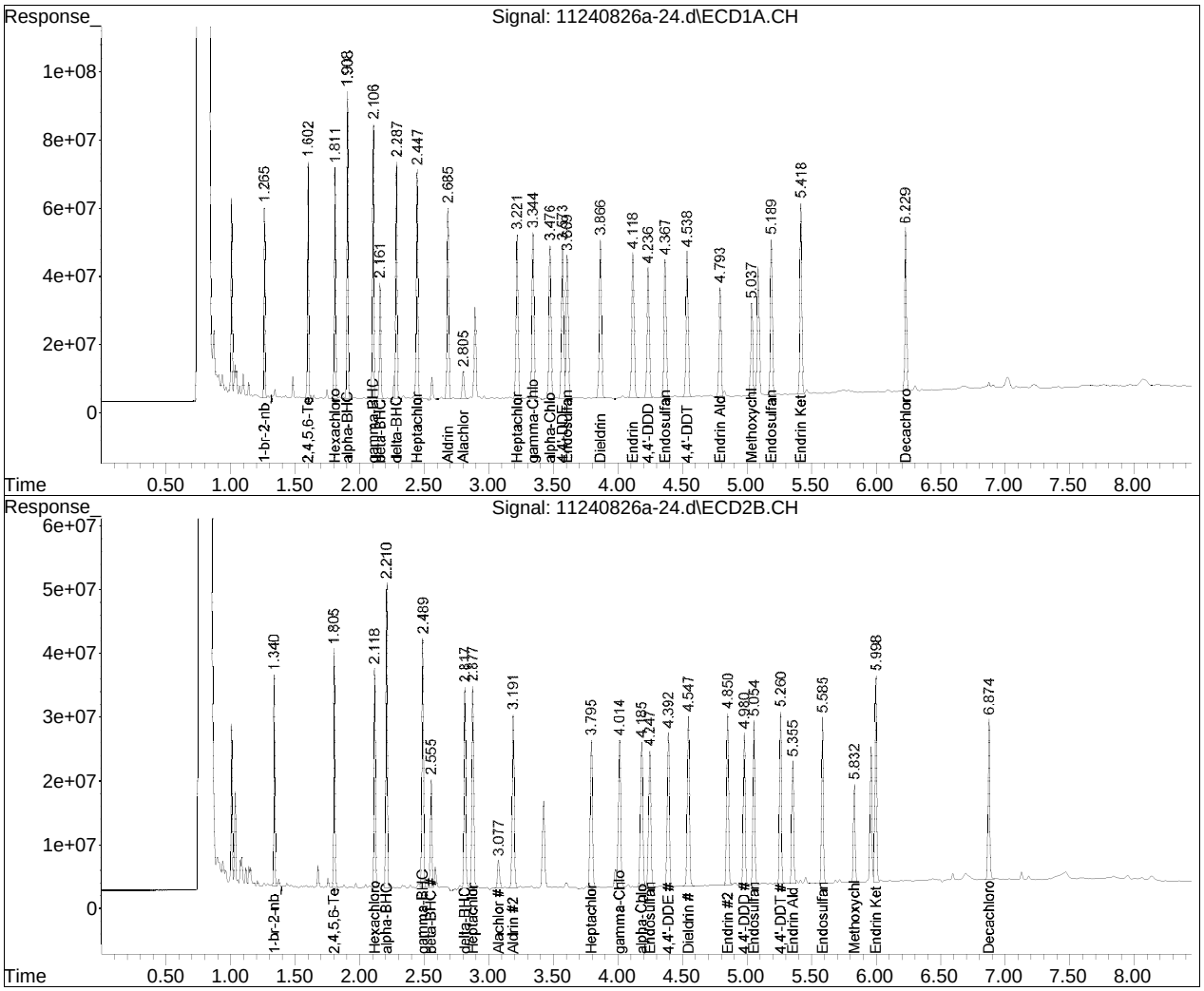
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only1\2024\240826A\11240826a-03.d•

Data Path : I:\PEST\Pest11\2024\240826A\
Data File : 11240826a-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 10:37
Operator : PEST11:ejl
Sample : WG1963569-5,42,, msd
Misc : wg1963716,WG1963569,ical21365
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 26 13:55:31 2024
Quant Method : I:\PEST\Pest11\2024\240826A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Sat Aug 24 06:53:56 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

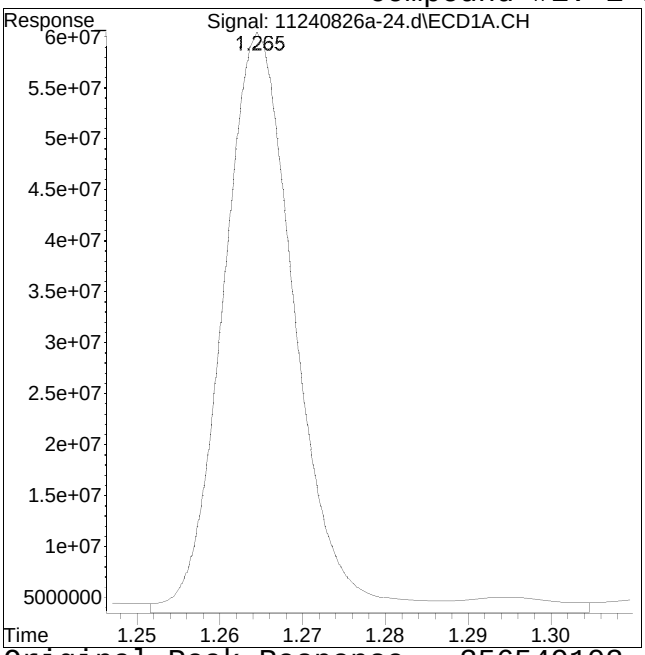
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

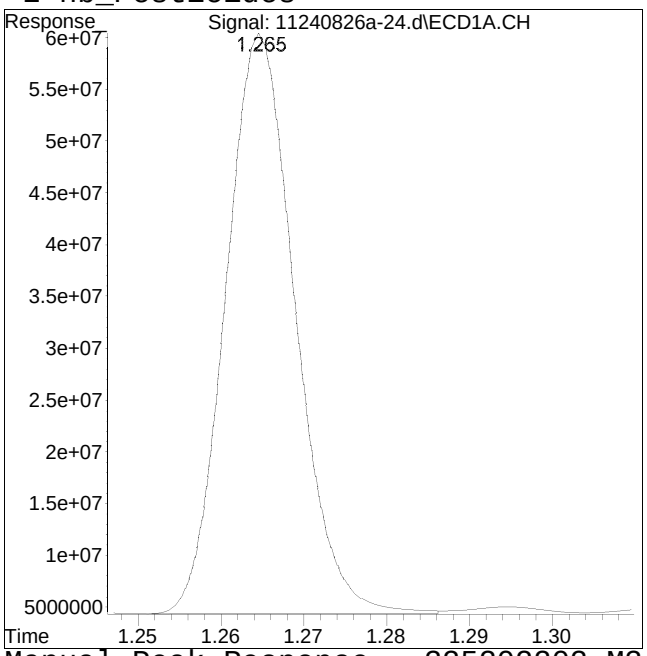


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #1: 1-br-2-nb_Pesticides



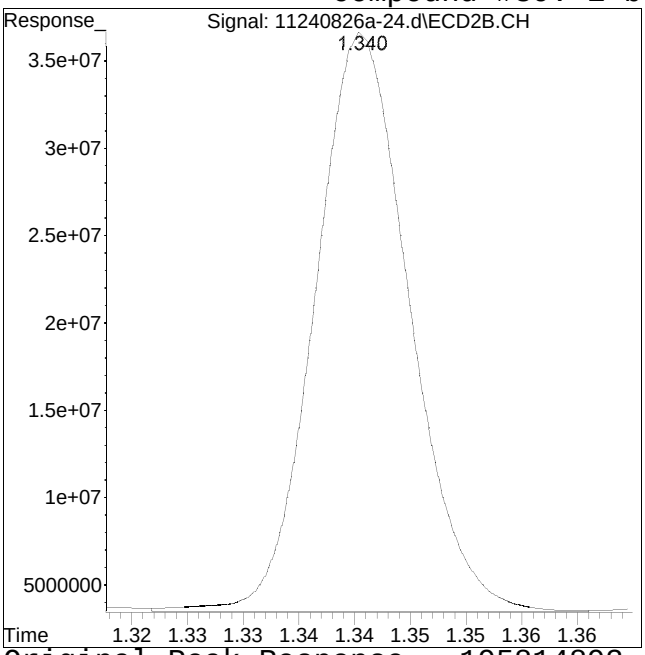


Original Peak Response = 356549103 Manual Peak Response = 325202202 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

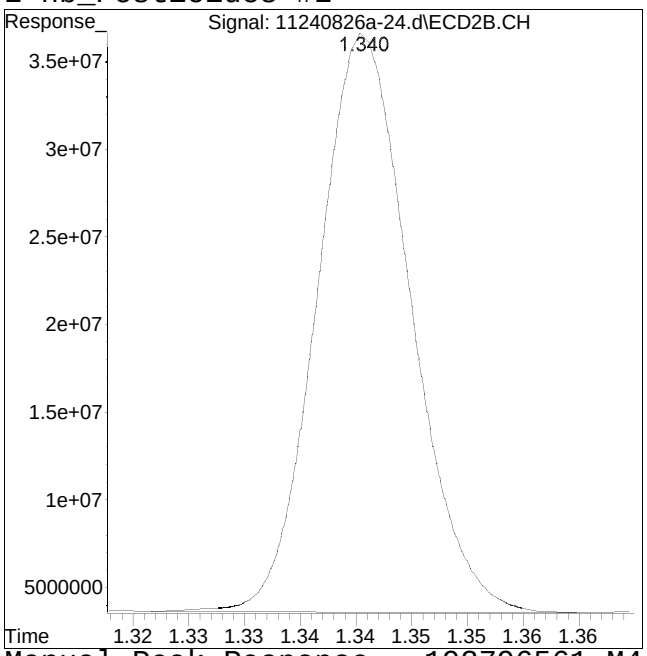
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 195814893



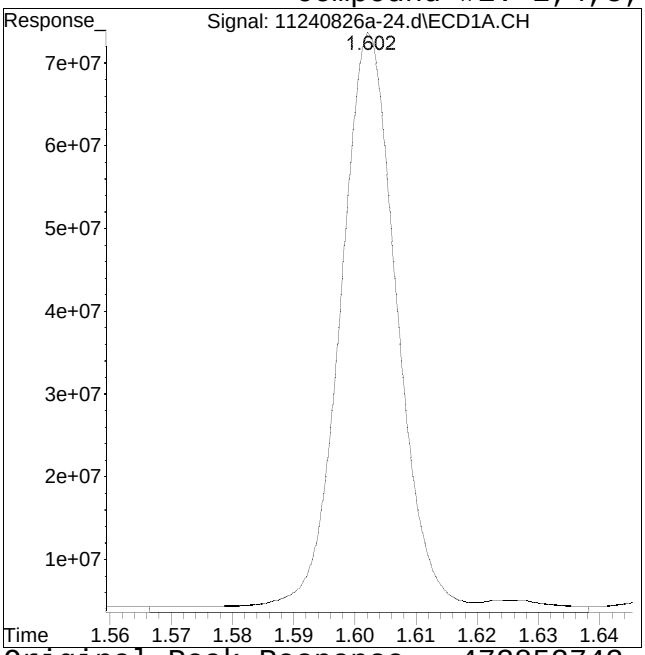
Manual Peak Response = 192796561 M4

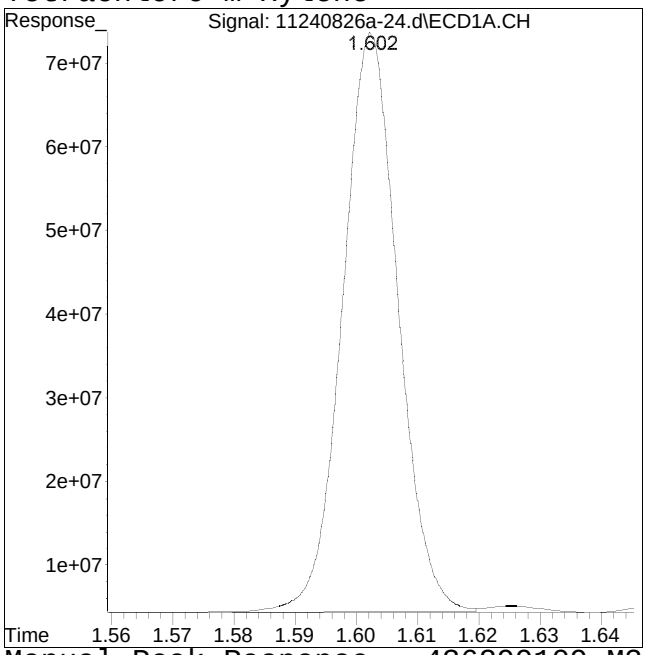
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



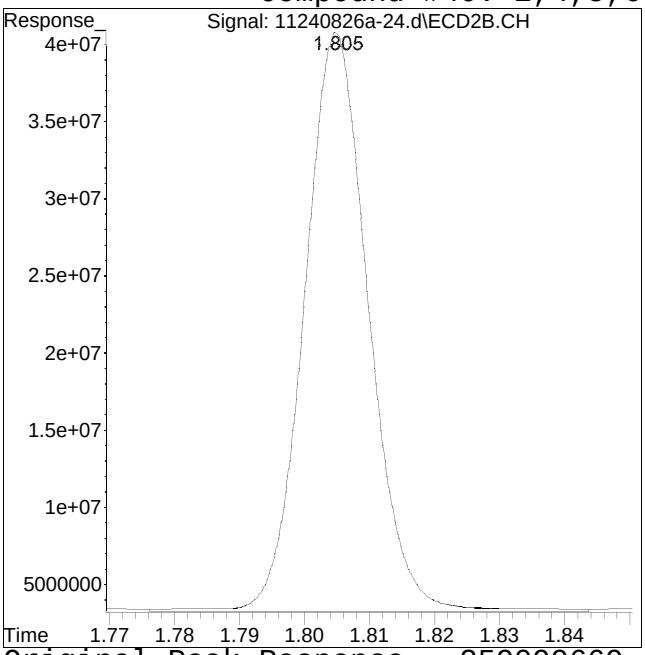


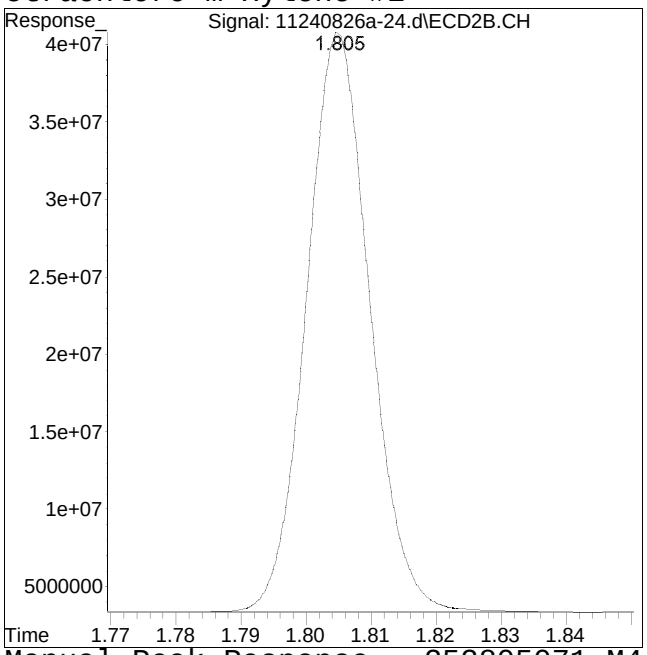
Original Peak Response = 473852743 Manual Peak Response = 436299109 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



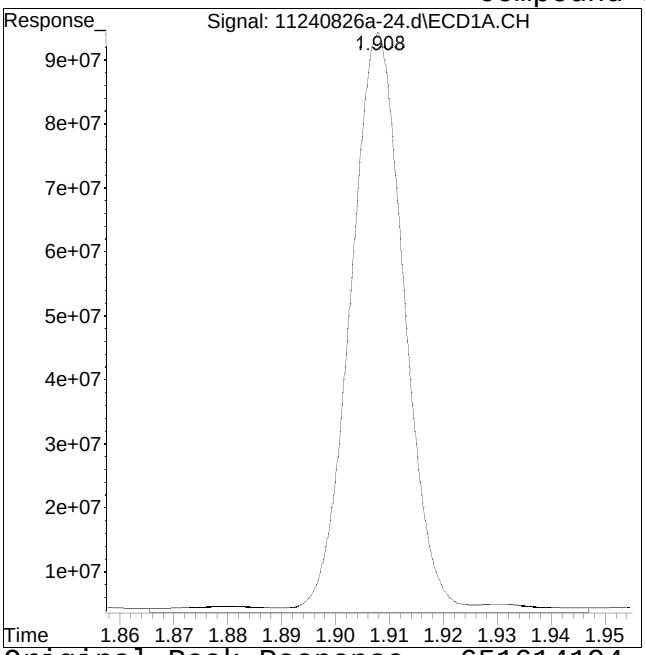


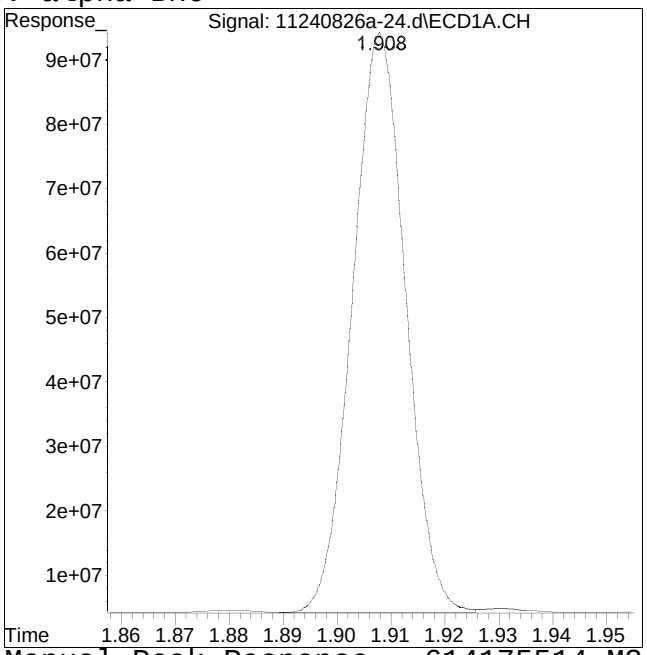
Original Peak Response = 259099669 Manual Peak Response = 252805071 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #4: alpha-BHC



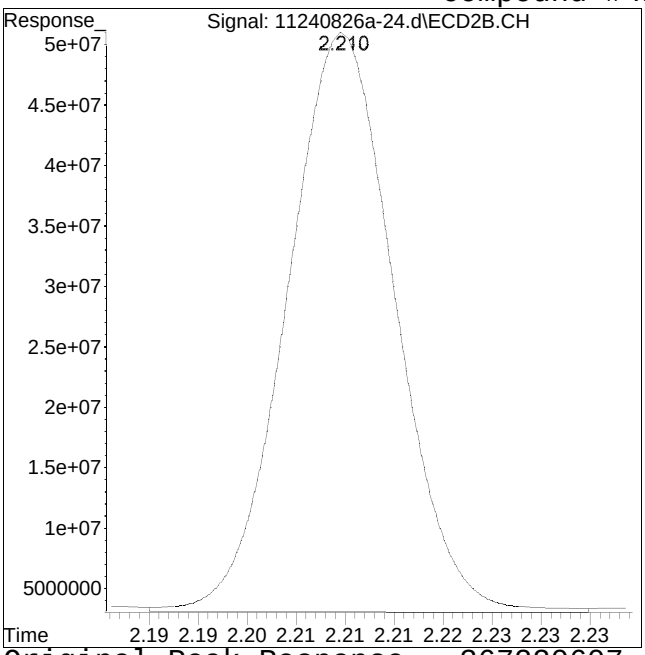


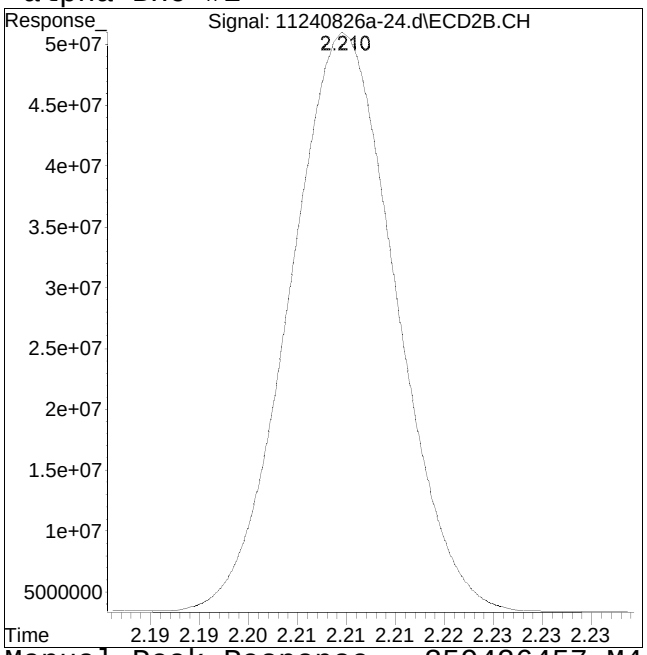
Original Peak Response = 651614194 Manual Peak Response = 614175514 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #42: alpha-BHC #2



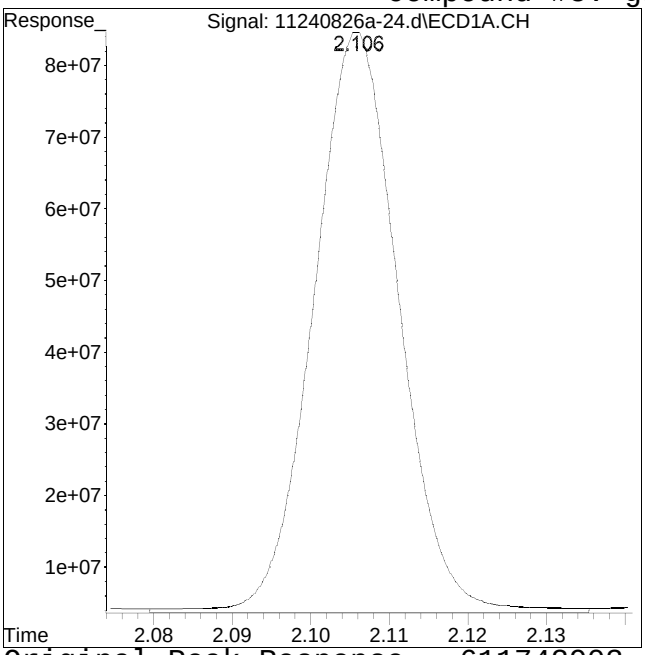


Original Peak Response = 367220607 Manual Peak Response = 359426457 M4
M4 = Poor automated baseline construction.

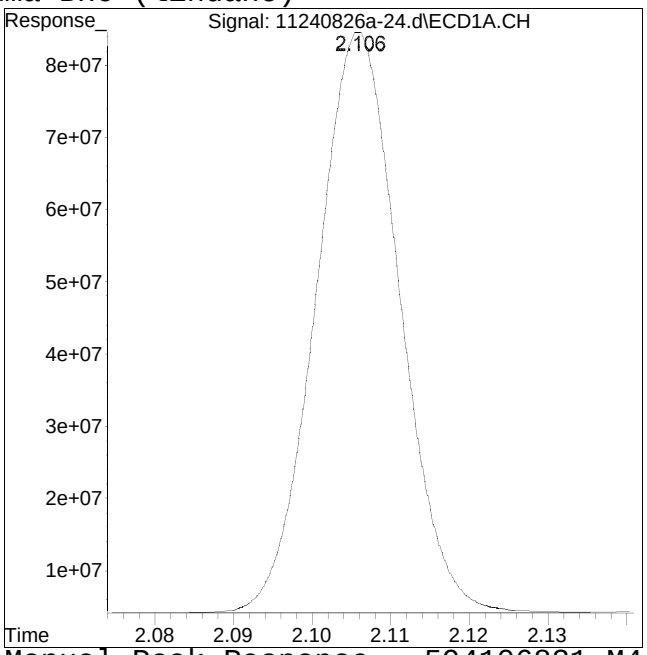
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #5: gamma-BHC (lindane)



Original Peak Response = 611742903



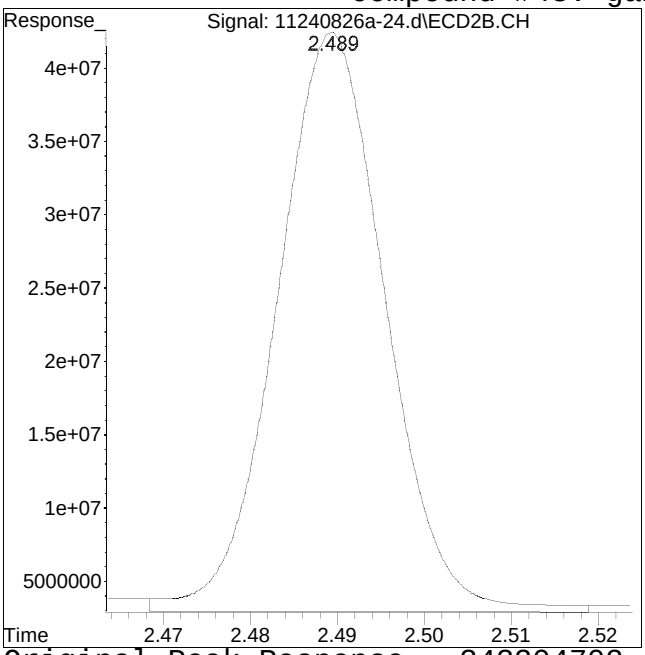
Manual Peak Response = 594106831 M4

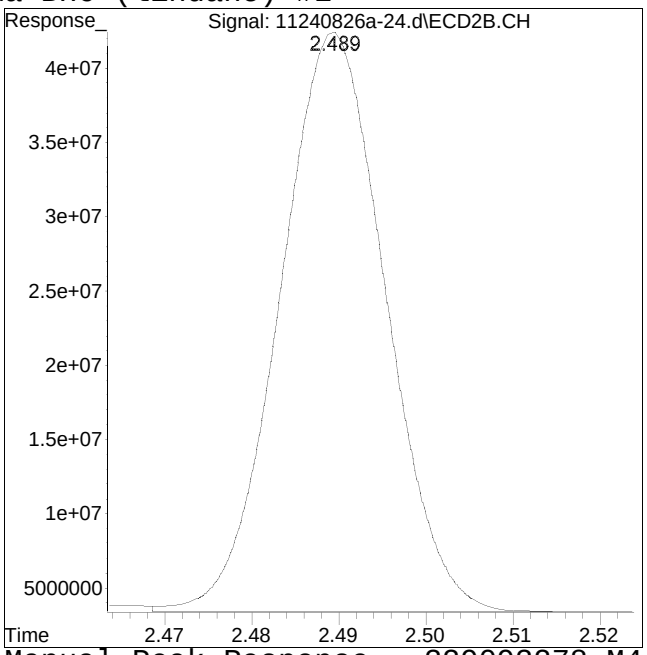
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #43: gamma-BHC (lindane) #2



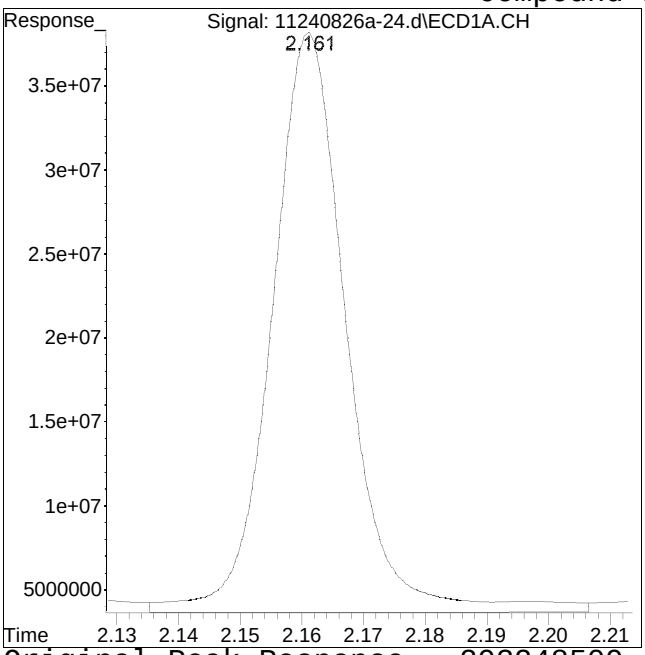


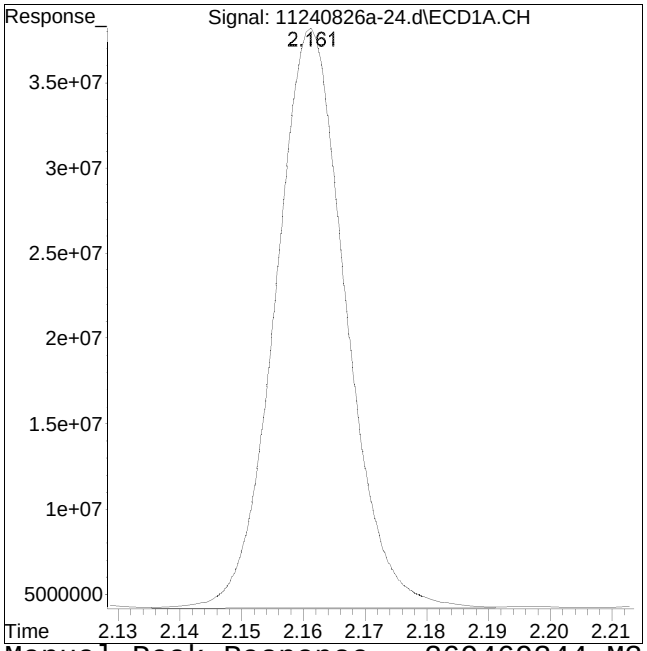
Original Peak Response = 343304702 Manual Peak Response = 329093278 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #6: beta-BHC



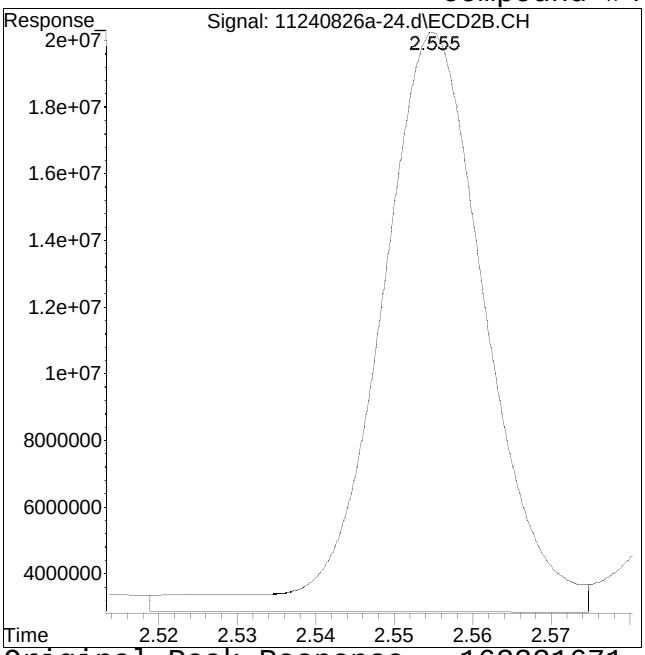


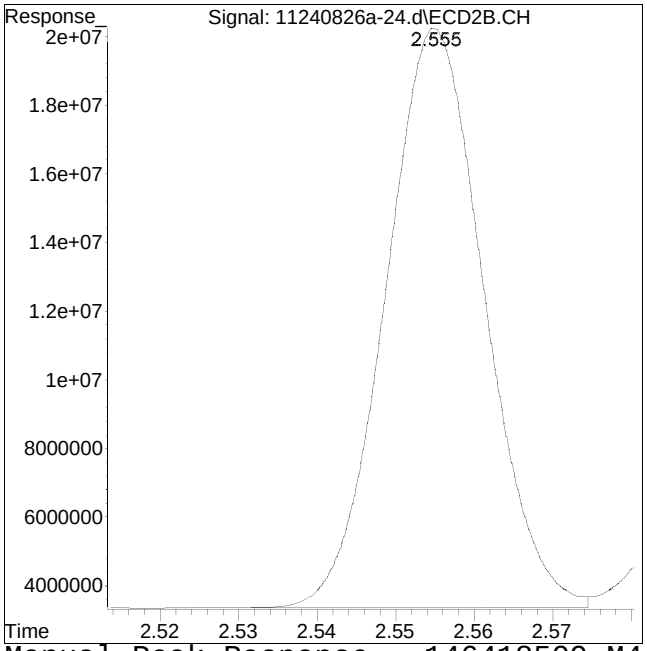
Original Peak Response = 293248509 Manual Peak Response = 269469344 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #44: beta-BHC #2



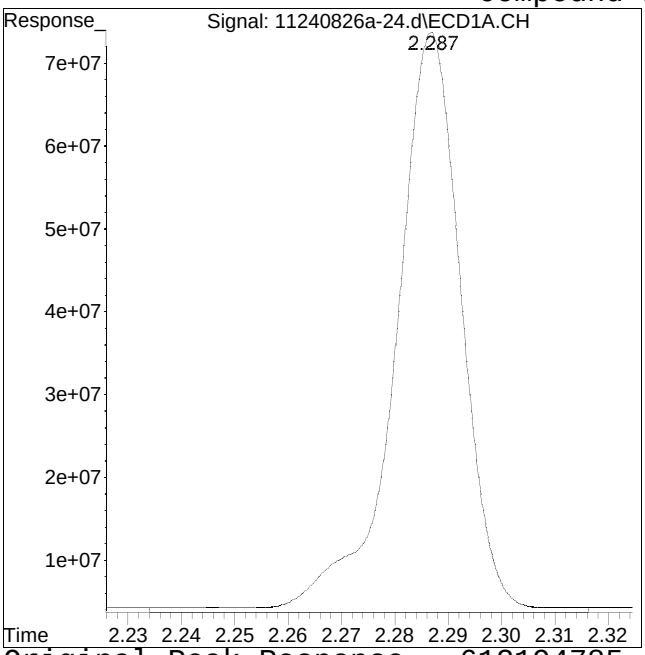


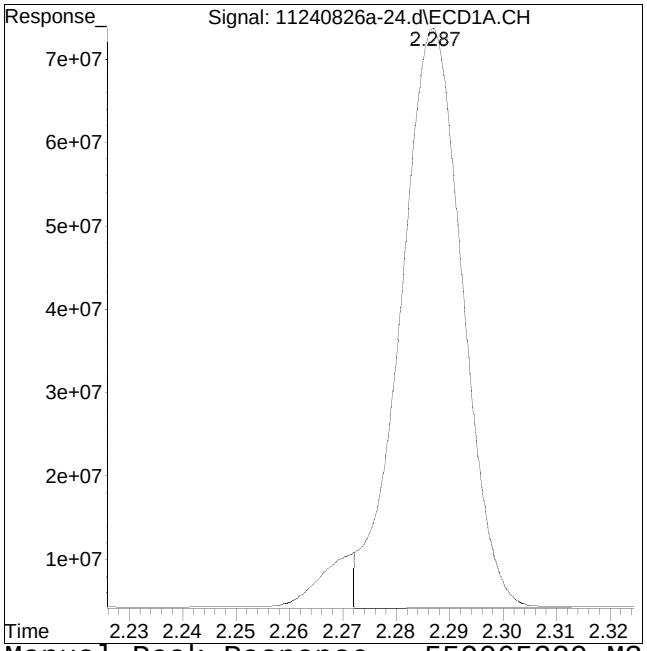
Original Peak Response = 163331671 Manual Peak Response = 146418509 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #7: delta-BHC



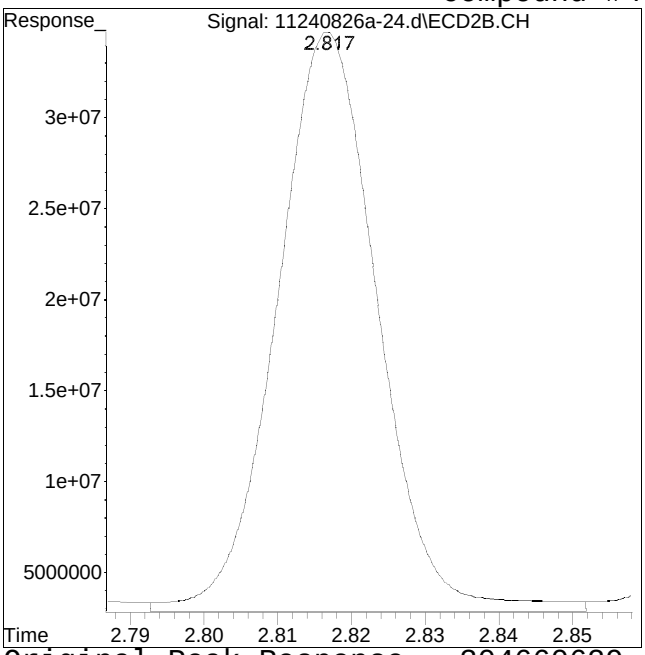


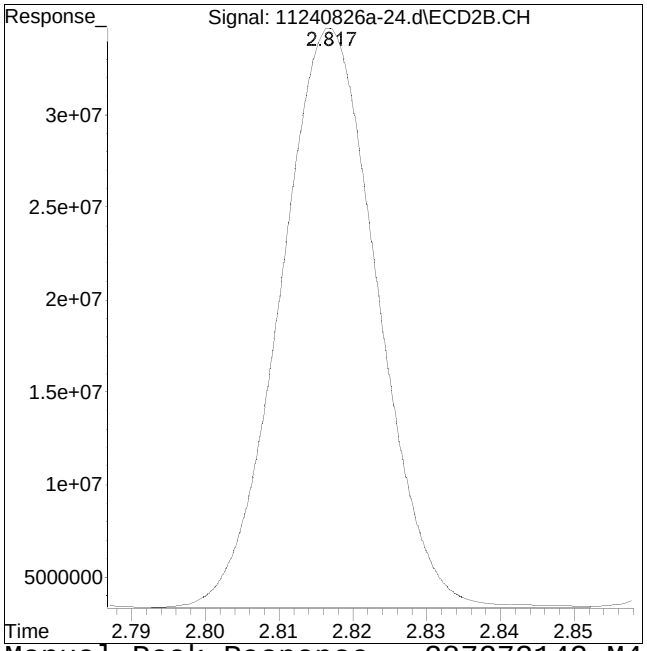
Original Peak Response = 612194785 Manual Peak Response = 559065220 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #45: delta-BHC #2



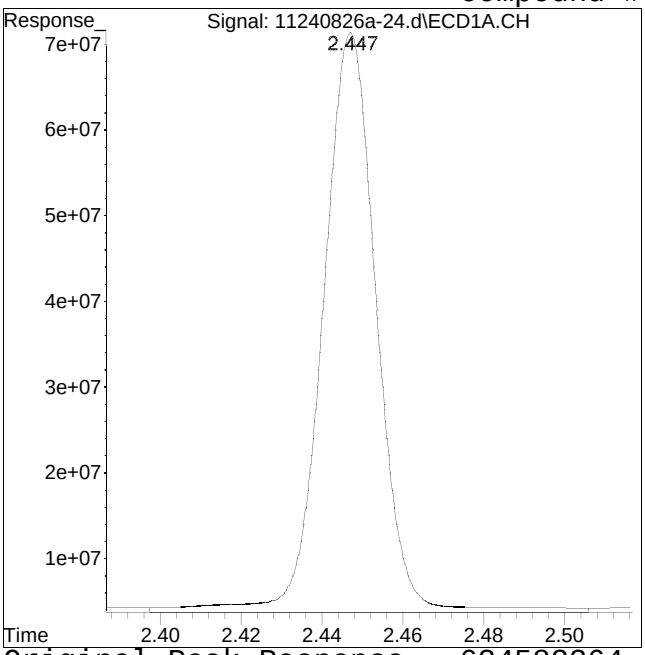


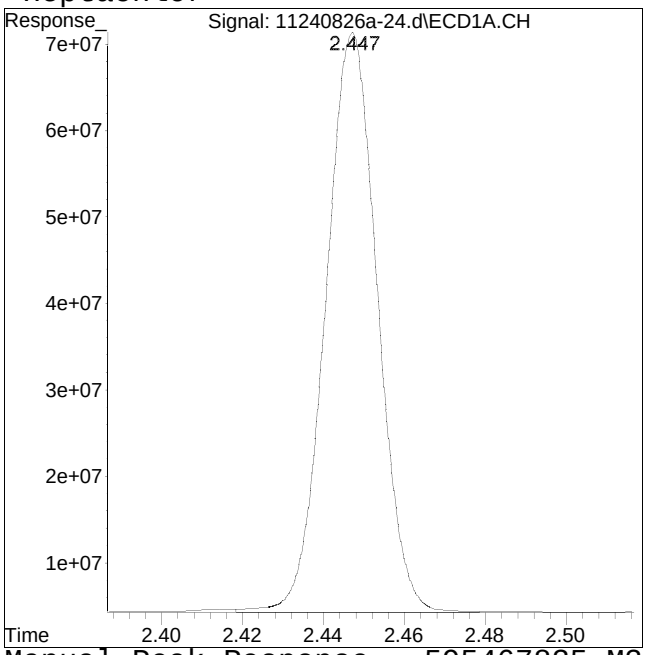
Original Peak Response = 304660629 Manual Peak Response = 287273142 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #8: Heptachlor



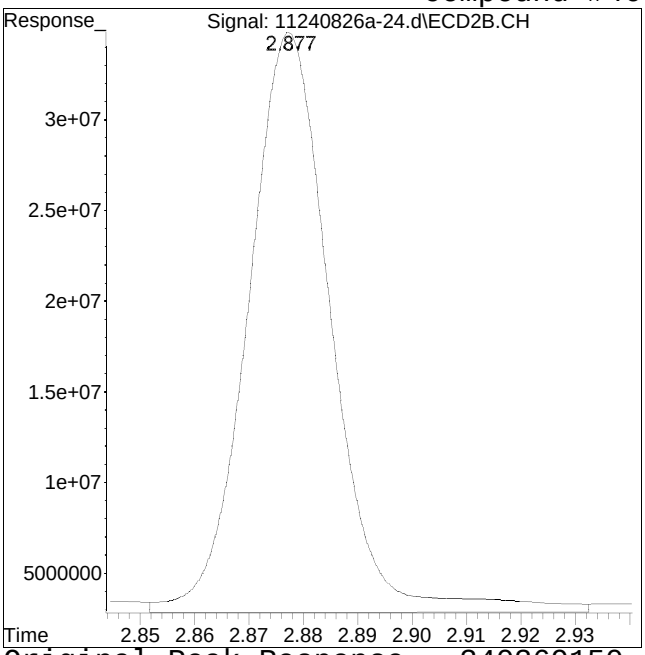


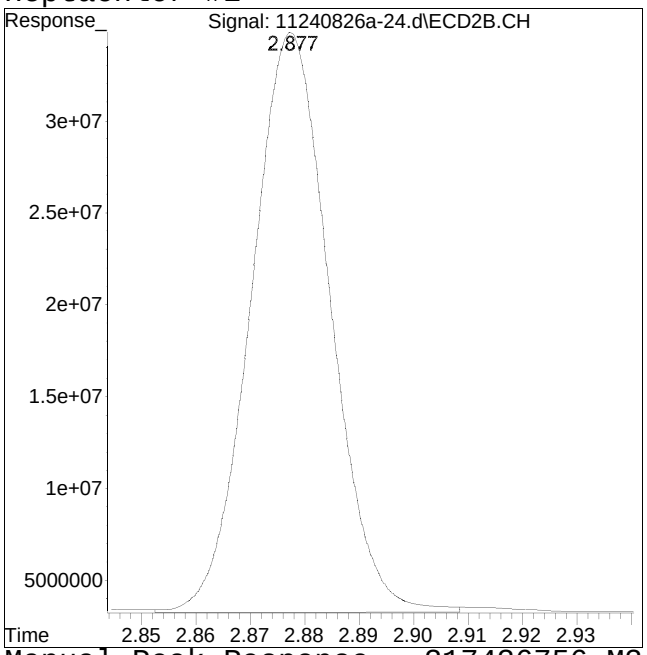
Original Peak Response = 634582364 Manual Peak Response = 595467835 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #46: Heptachlor #2



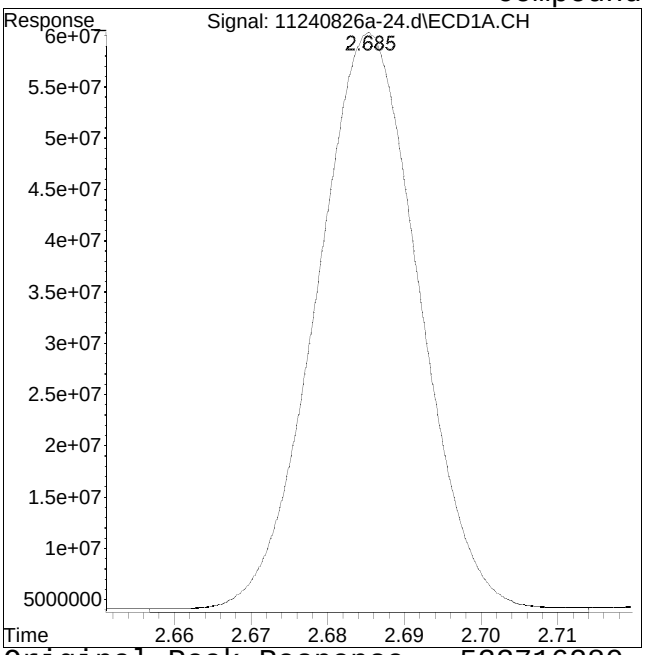


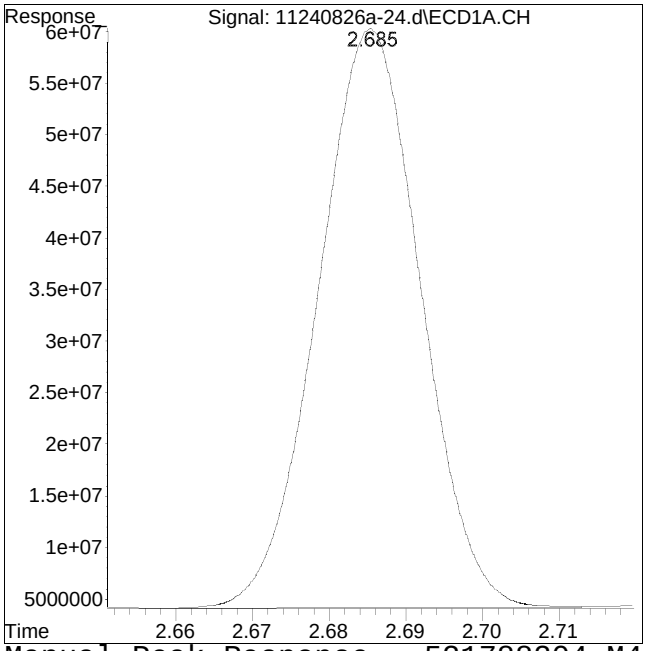
Original Peak Response = 340369150 Manual Peak Response = 317436756 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #9: Aldrin



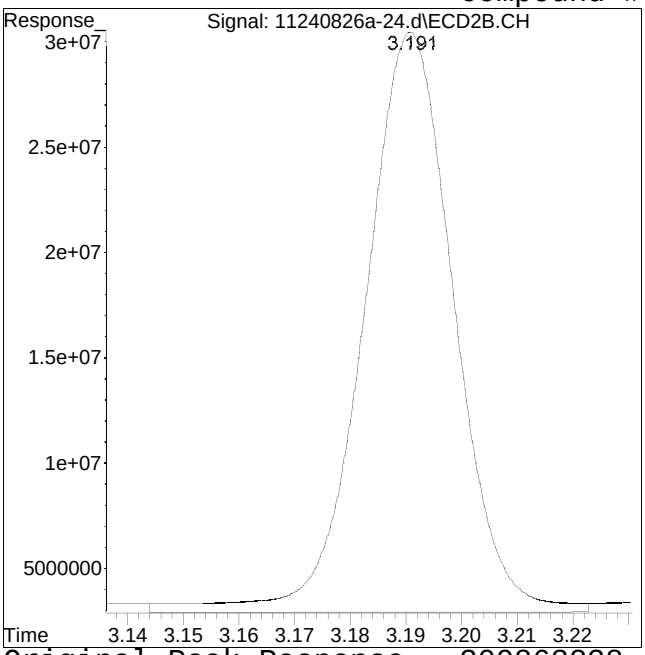


Original Peak Response = 533716280 Manual Peak Response = 521788204 M4
M4 = Poor automated baseline construction.

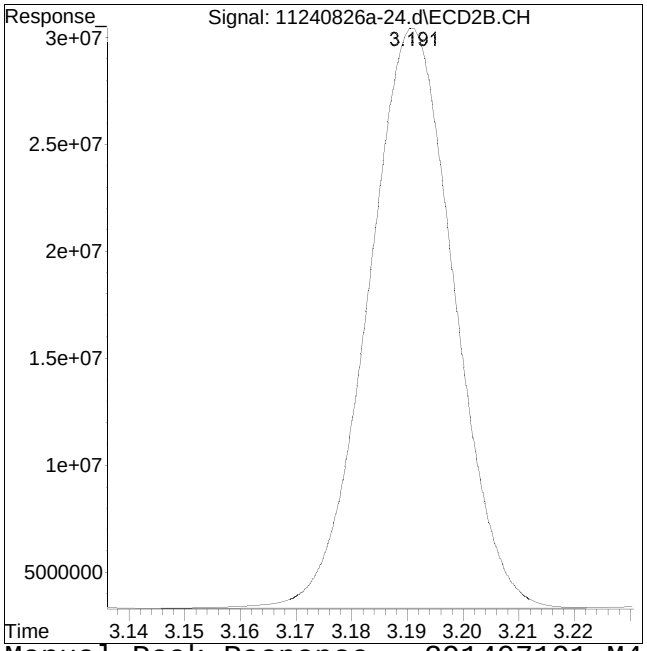
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #47: Aldrin #2



Original Peak Response = 309863238



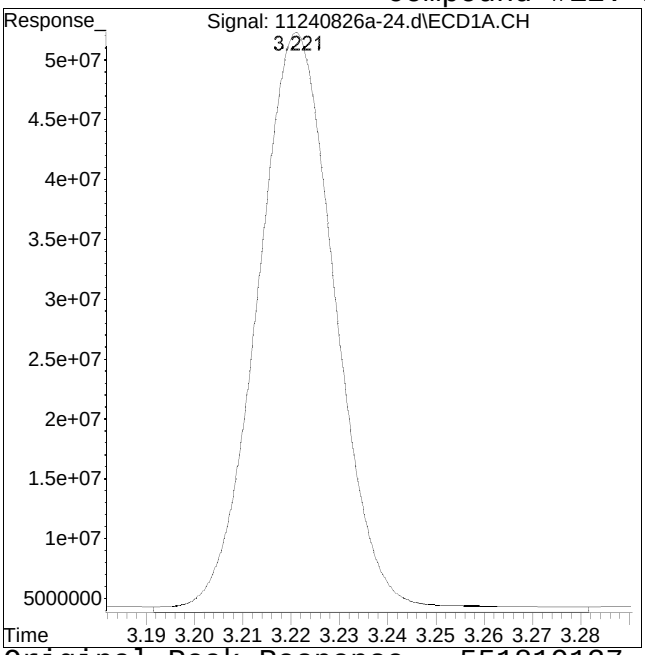
Manual Peak Response = 291407191 M4

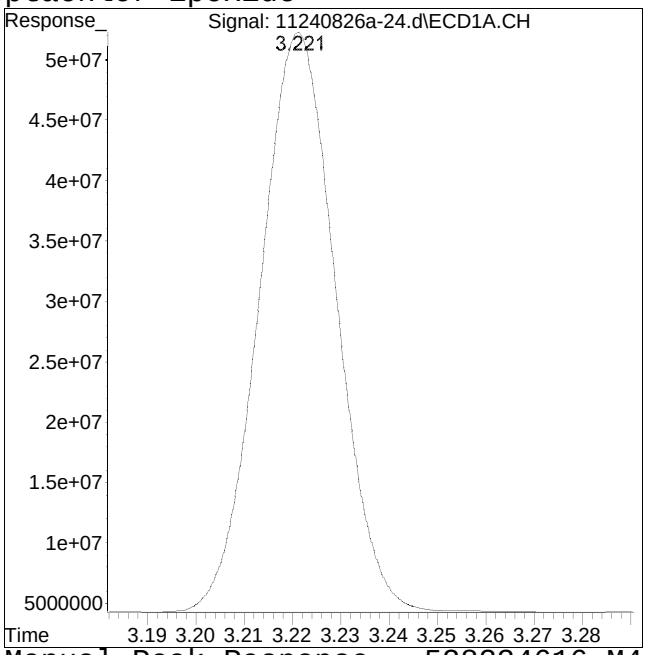
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #12: Heptachlor Epoxide



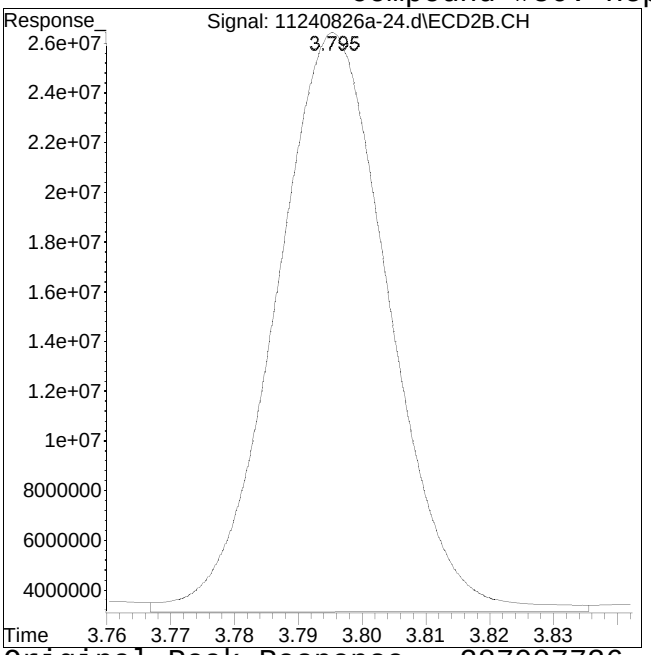


Original Peak Response = 551819137 Manual Peak Response = 528334616 M4
M4 = Poor automated baseline construction.

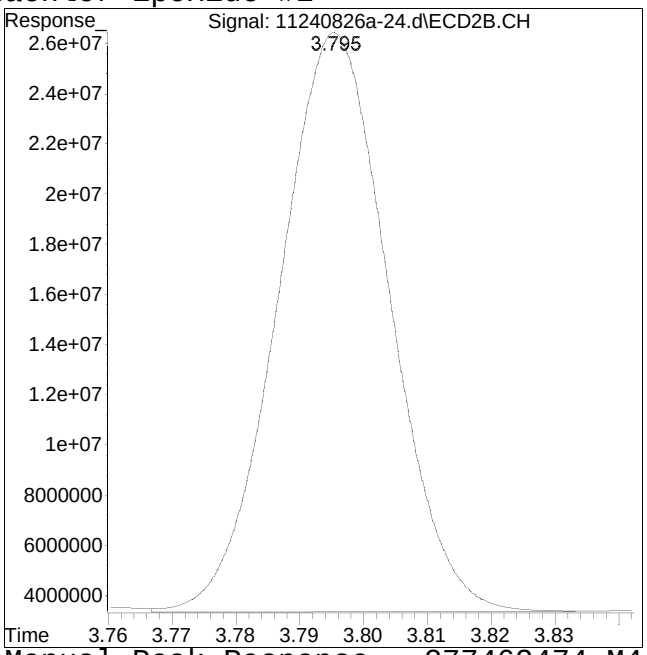
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 287007736



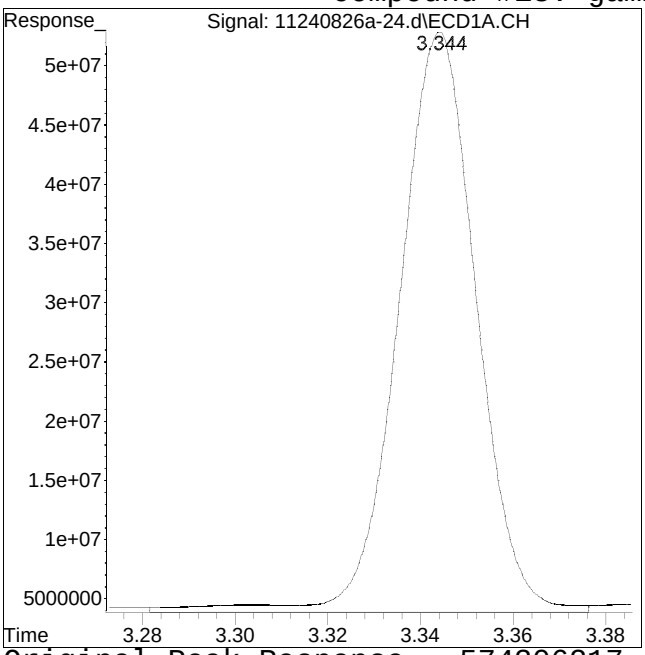
Manual Peak Response = 277462474 M4

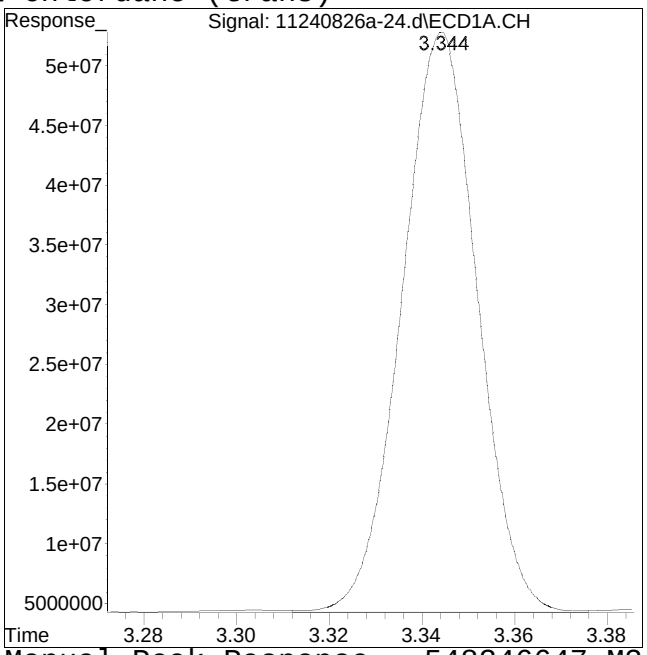
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #13: gamma-Chlordane (trans)



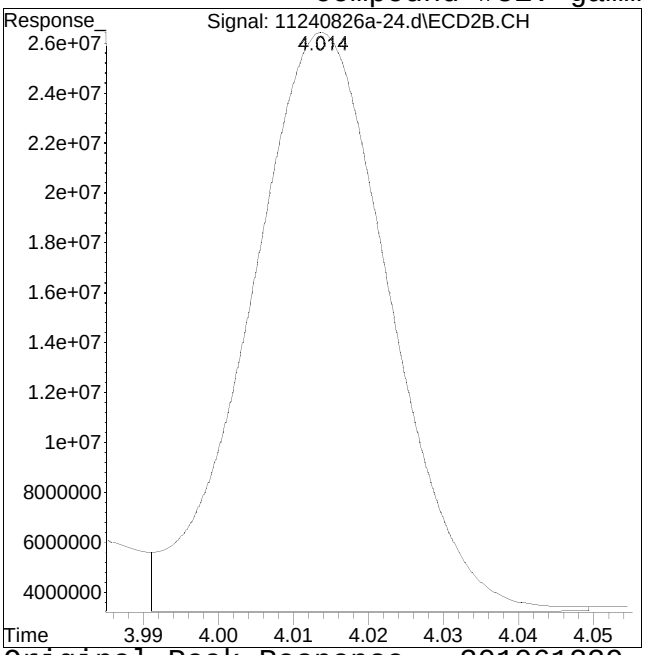


Original Peak Response = 574306217 Manual Peak Response = 548346647 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

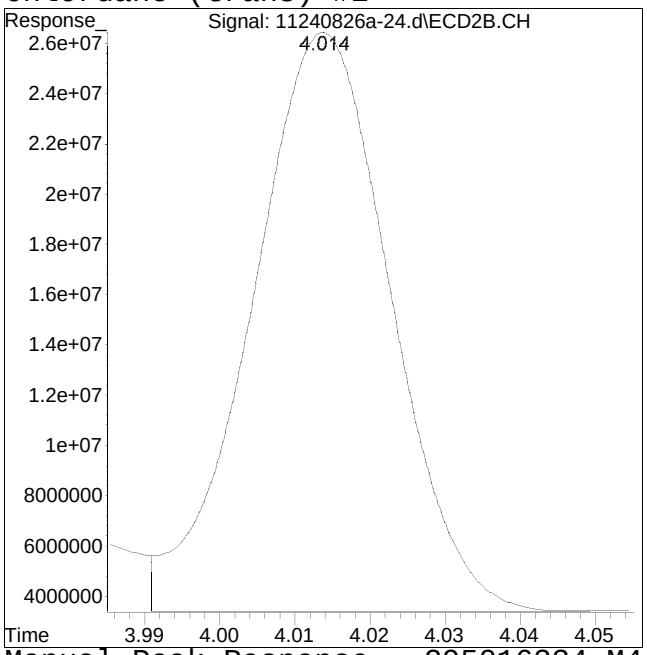
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 301061239



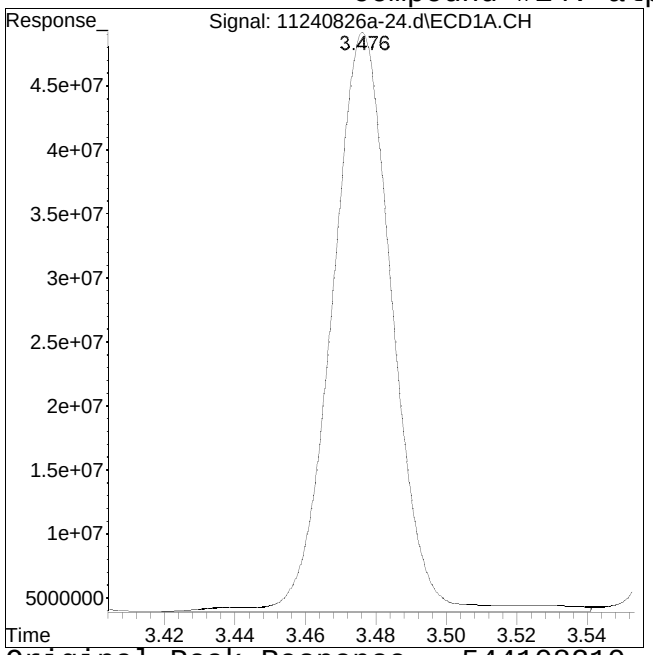
Manual Peak Response = 295016334 M4

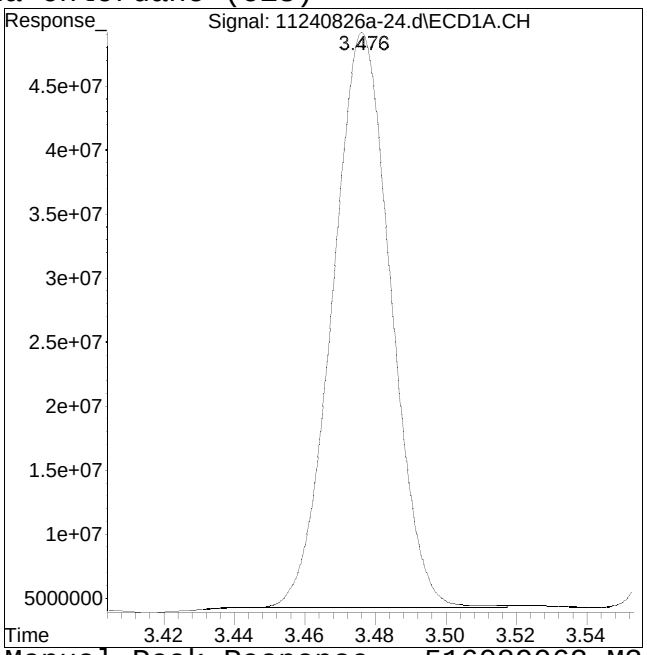
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #14: alpha-Chlordane (cis)



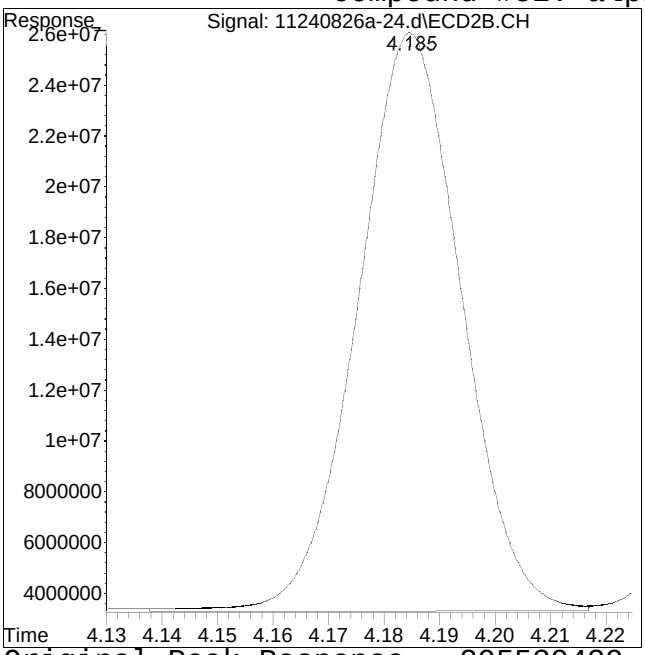


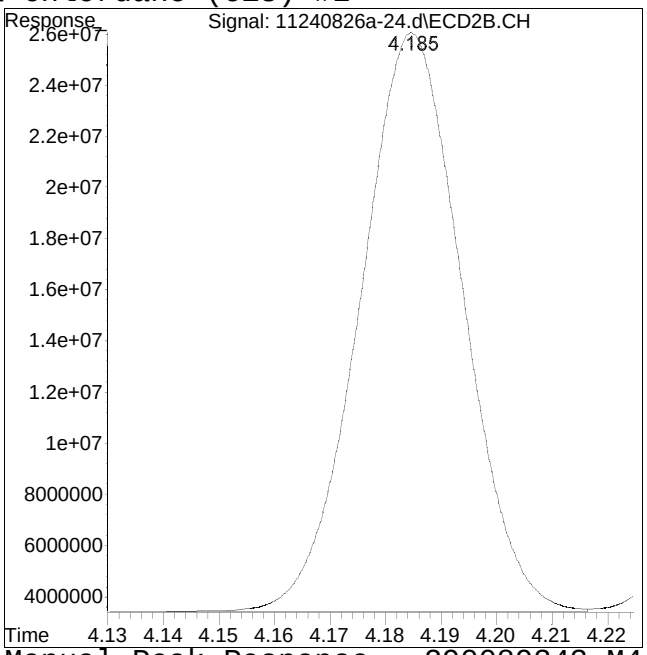
Original Peak Response = 544108210 Manual Peak Response = 516089062 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #52: alpha-Chlordane (cis) #2



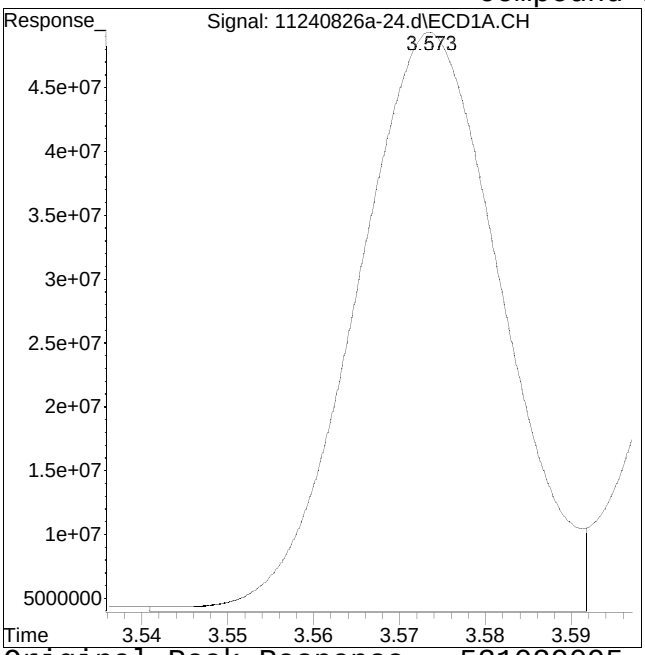


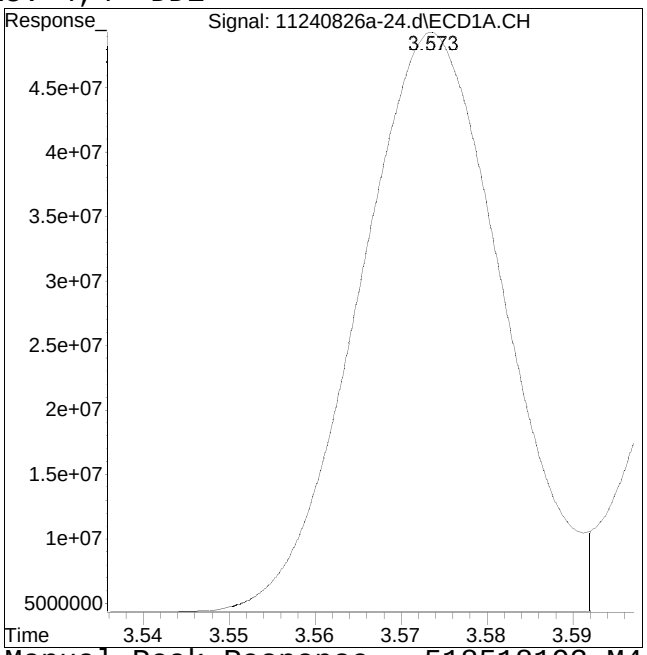
Original Peak Response = 295539429 Manual Peak Response = 290089343 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #15: 4,4'-DDE



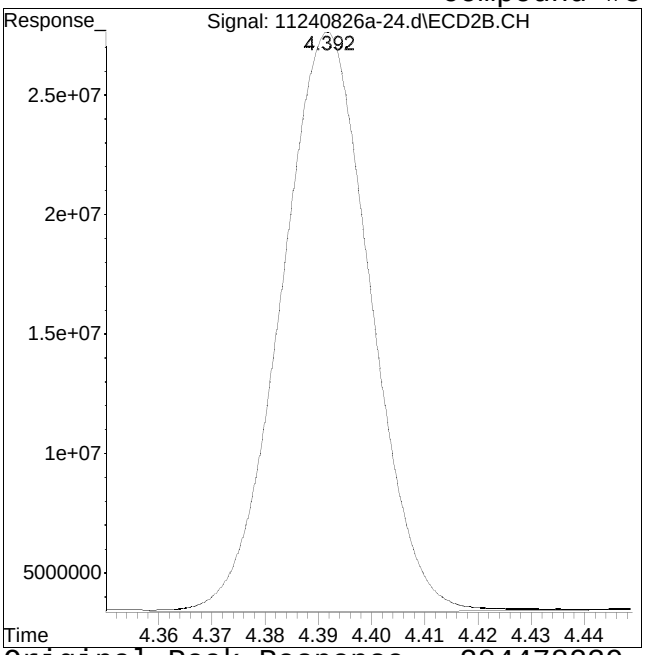


Original Peak Response = 531029095 Manual Peak Response = 518518193 M4
M4 = Poor automated baseline construction.

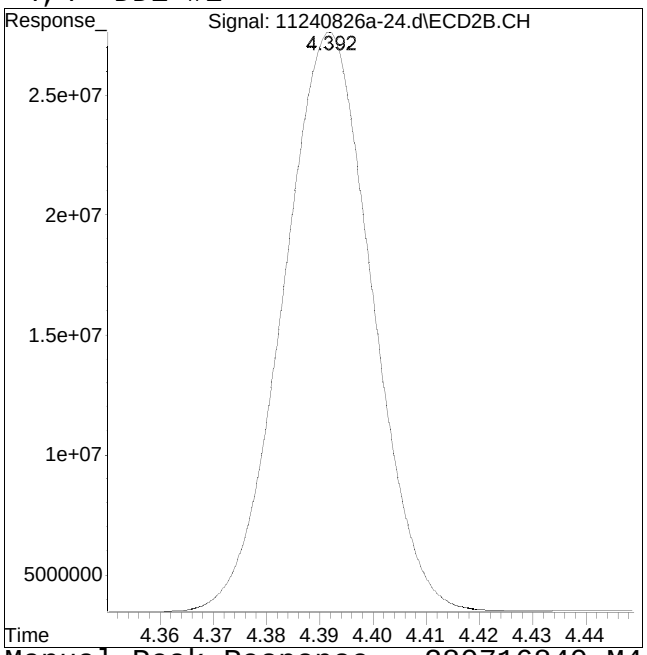
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 284478239



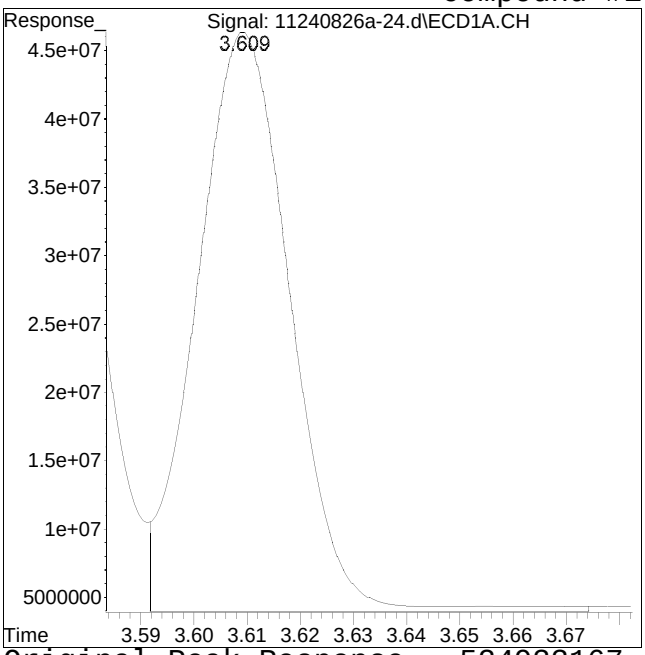
Manual Peak Response = 280716840 M4

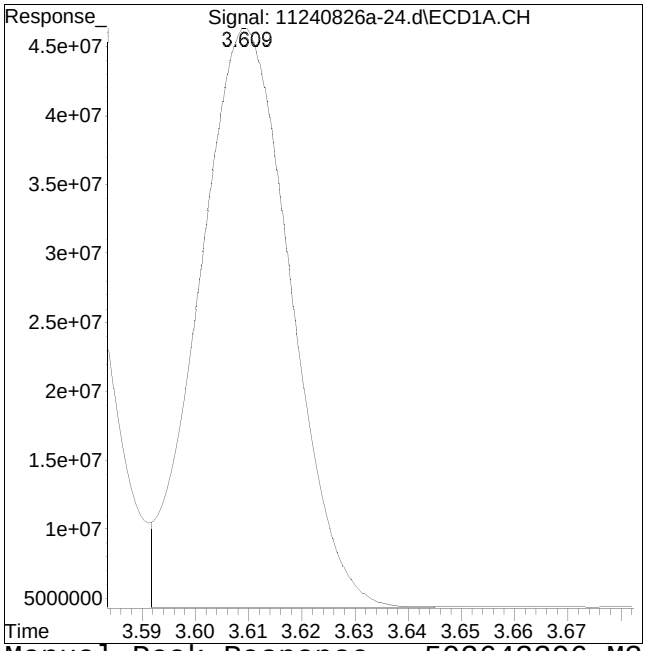
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #16: Endosulfan I



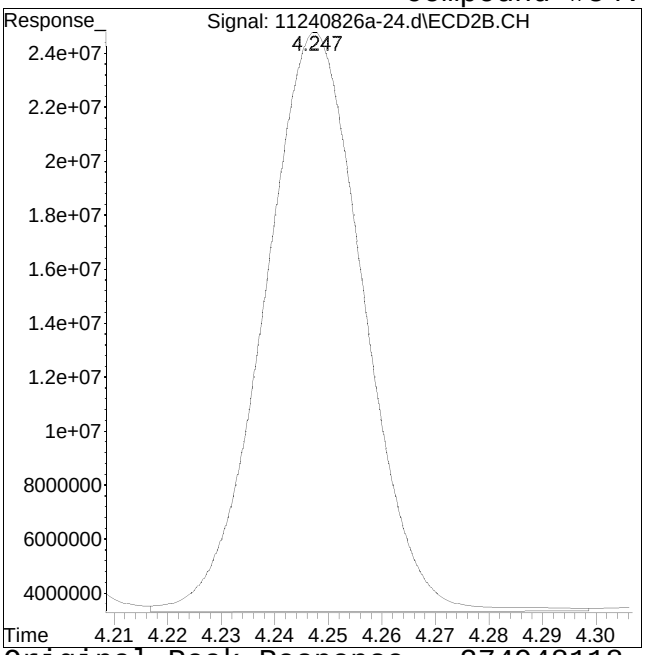


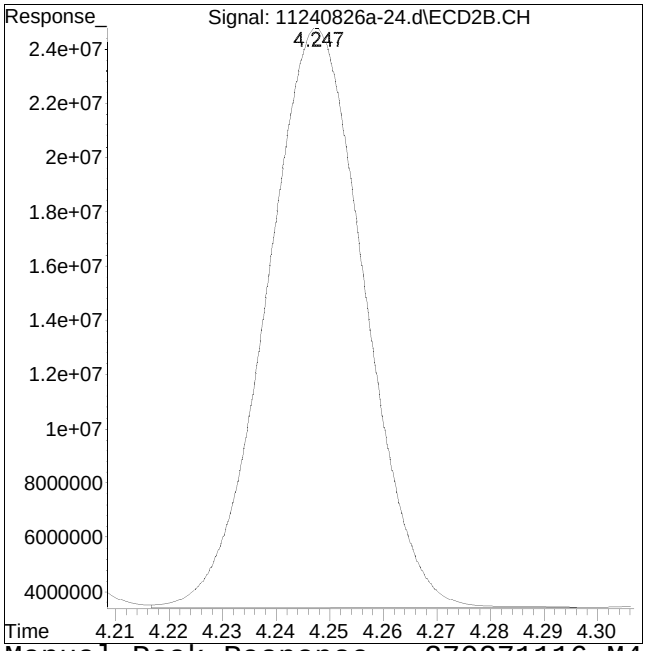
Original Peak Response = 524933167 Manual Peak Response = 503643396 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #54: Endosulfan I #2



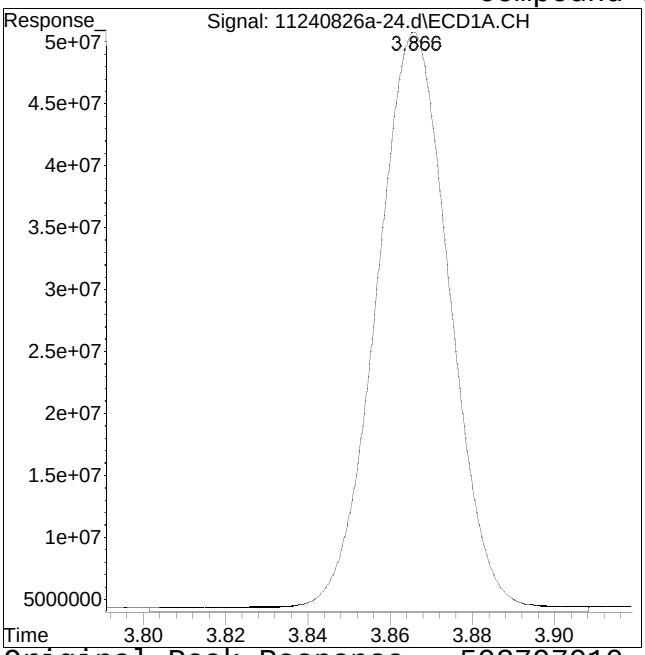


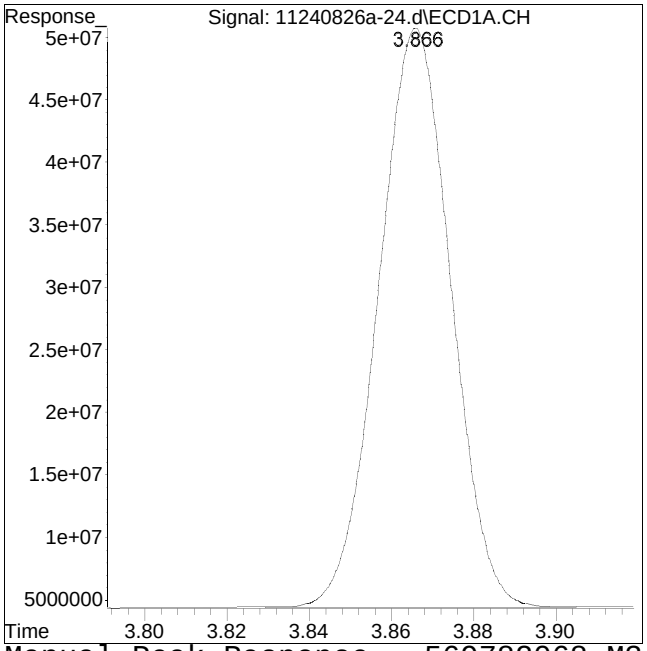
Original Peak Response = 274948118 Manual Peak Response = 270271116 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #17: Dieldrin



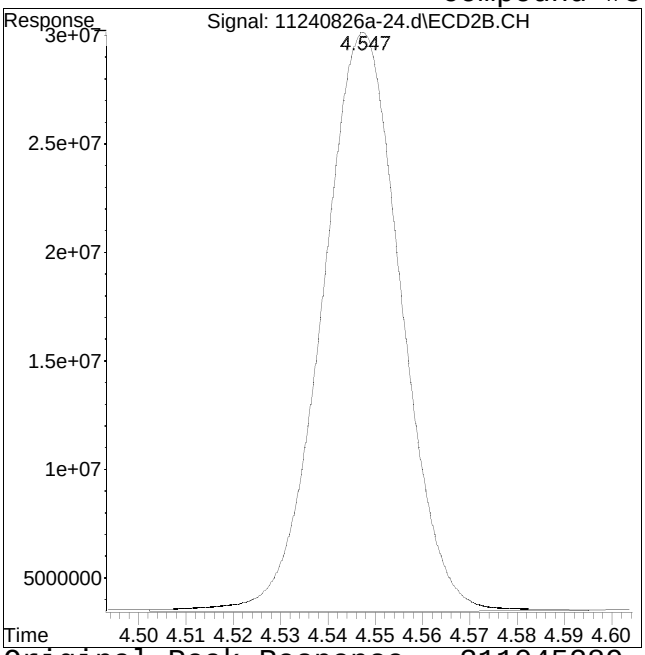


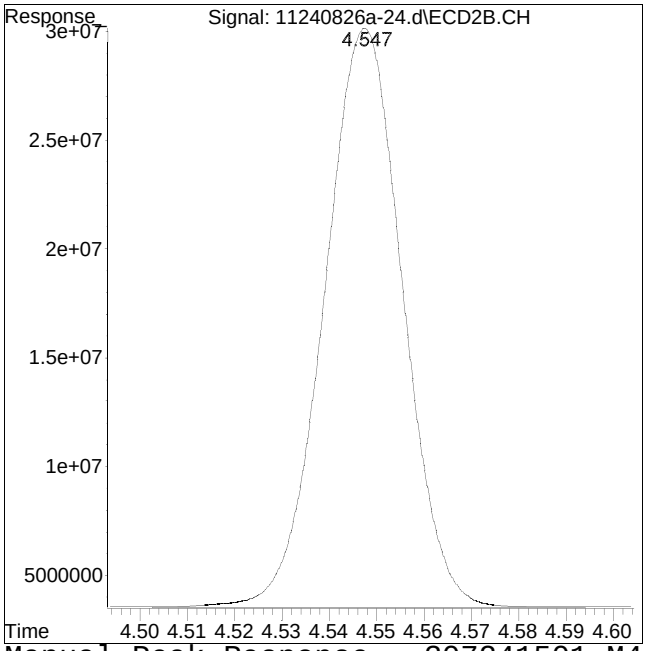
Original Peak Response = 593797910 Manual Peak Response = 569782068 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #55: Dieldrin #2



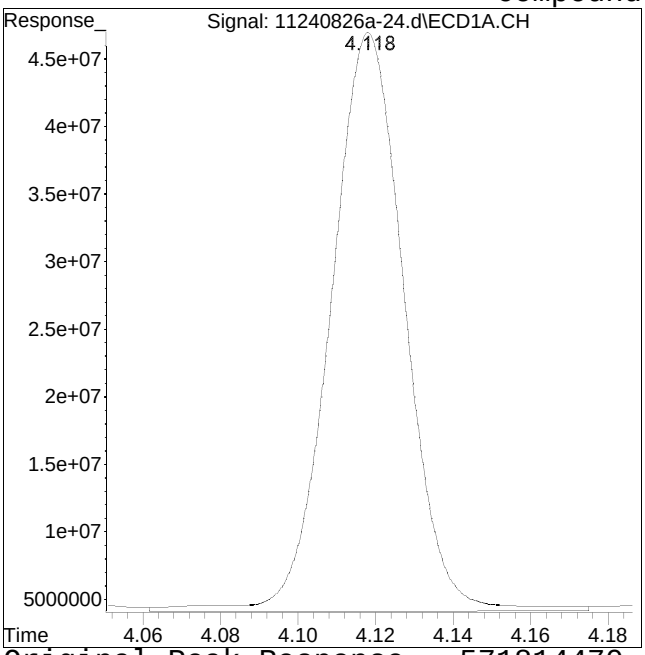


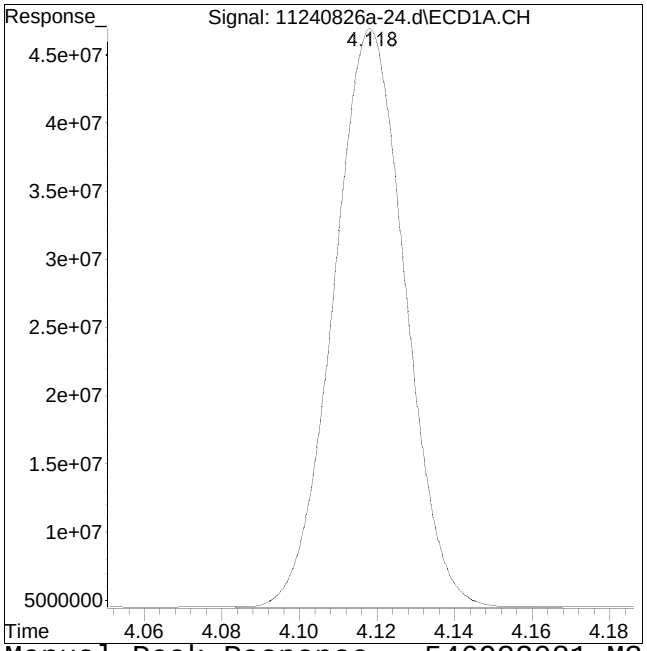
Original Peak Response = 311045289 Manual Peak Response = 307241501 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #18: Endrin



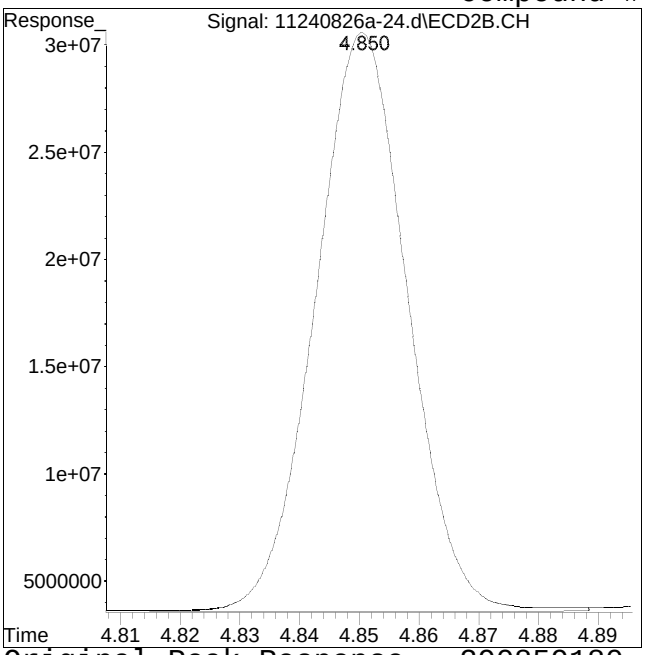


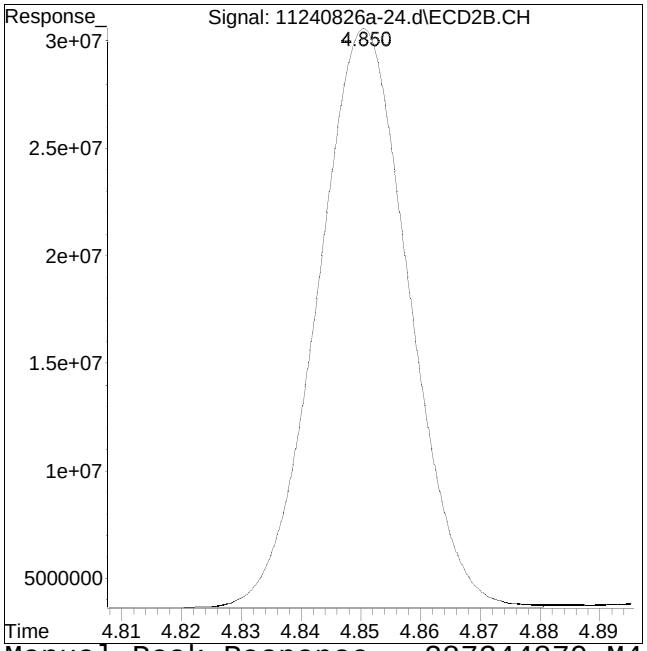
Original Peak Response = 571814470 Manual Peak Response = 546932081 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #56: Endrin #2



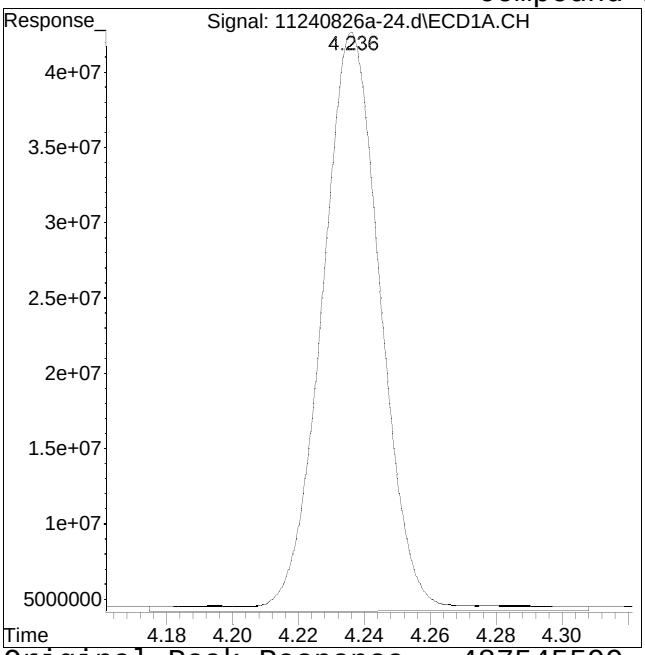


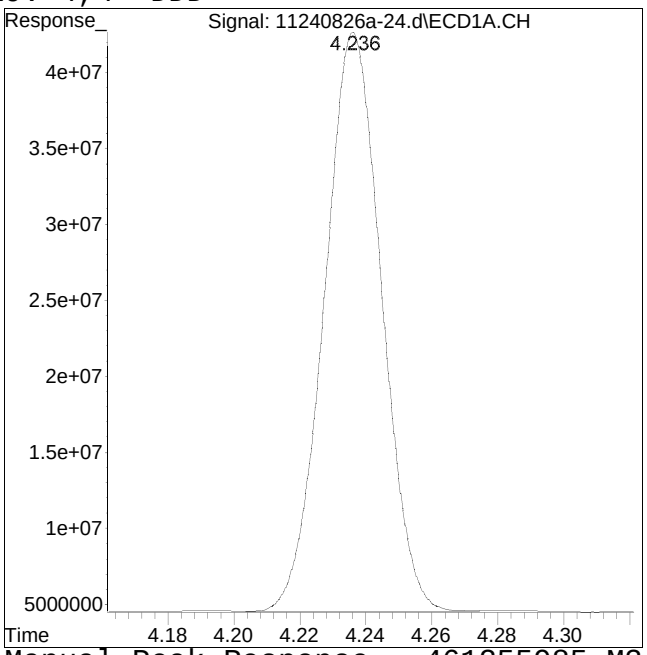
Original Peak Response = 290859180 Manual Peak Response = 287344870 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #19: 4,4'-DDD



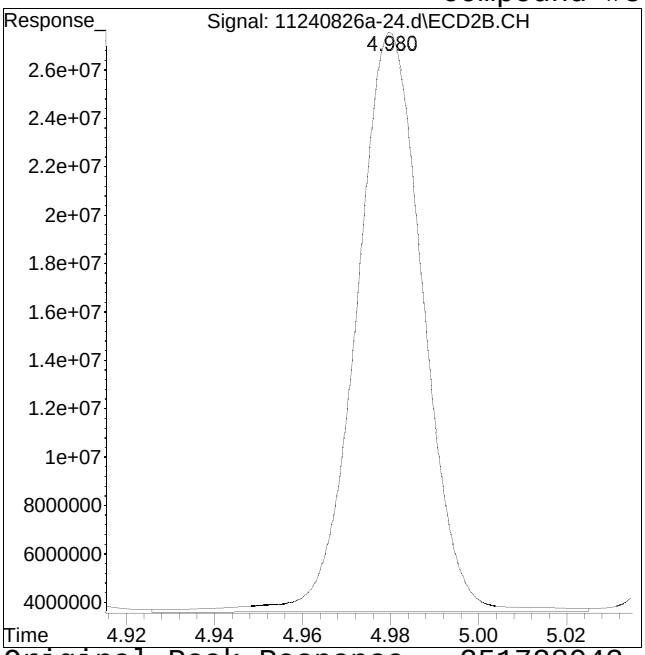


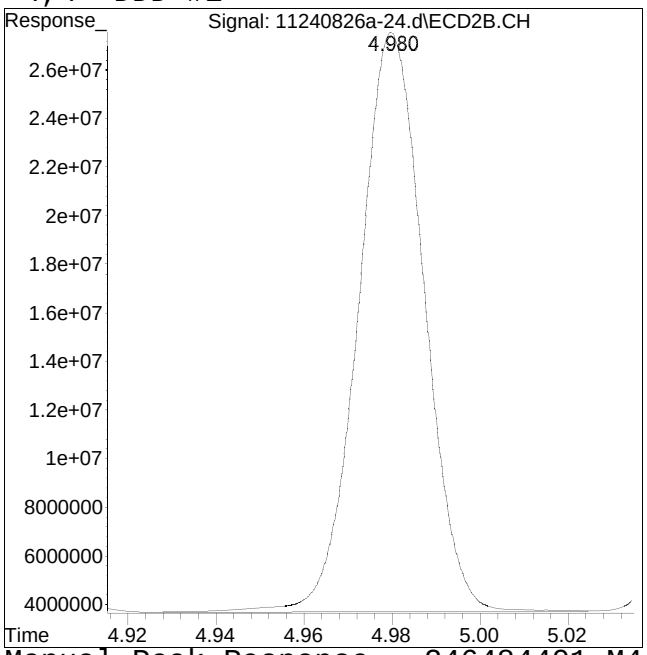
Original Peak Response = 487545599 Manual Peak Response = 461255985 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #57: 4,4'-DDD #2



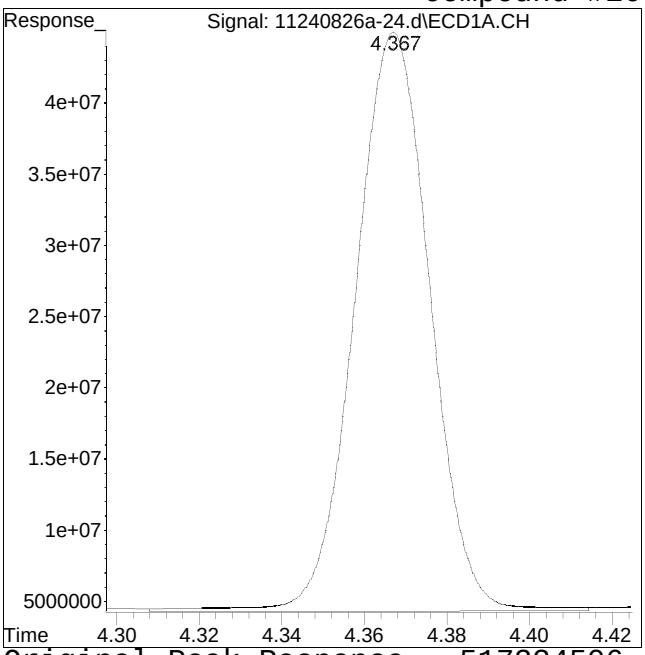


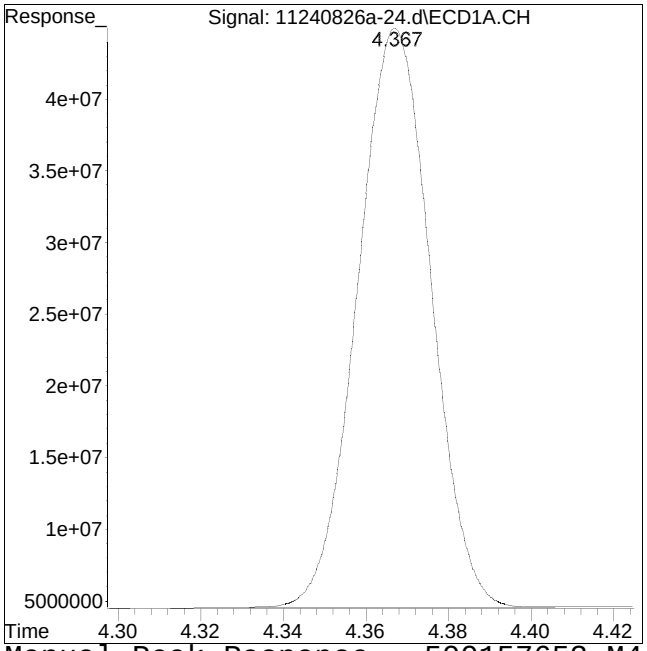
Original Peak Response = 251728943 Manual Peak Response = 246484401 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #20: Endosulfan II



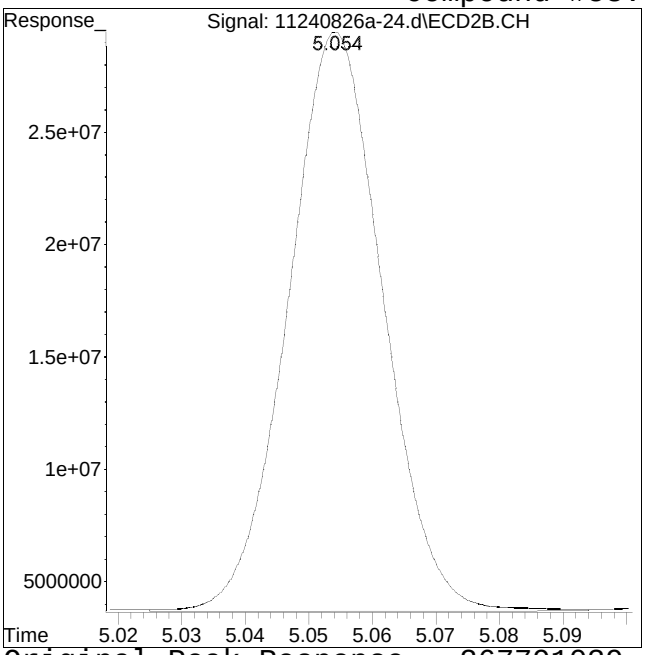


Original Peak Response = 517334506 Manual Peak Response = 500157653 M4
M4 = Poor automated baseline construction.

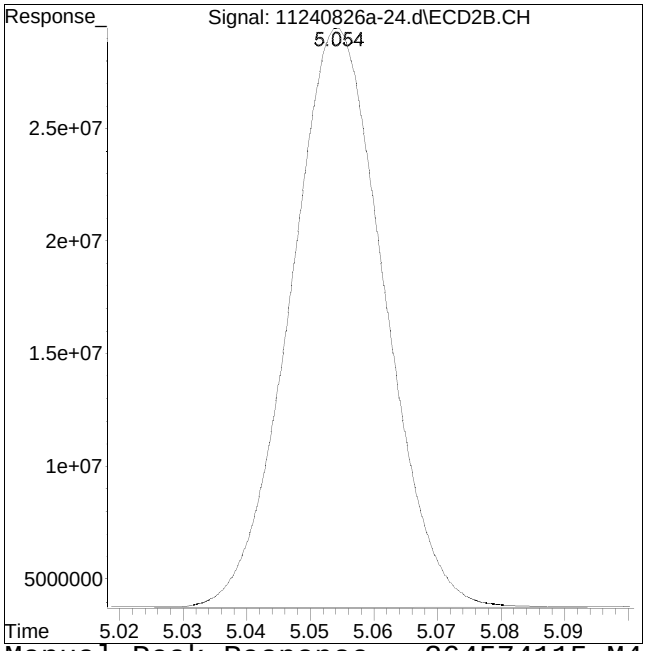
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #58: Endosulfan II #2



Original Peak Response = 267791039



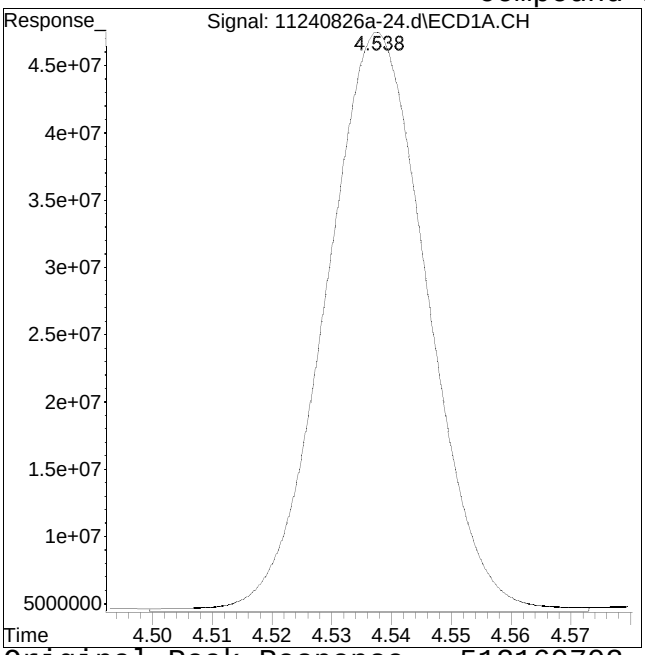
Manual Peak Response = 264574115 M4

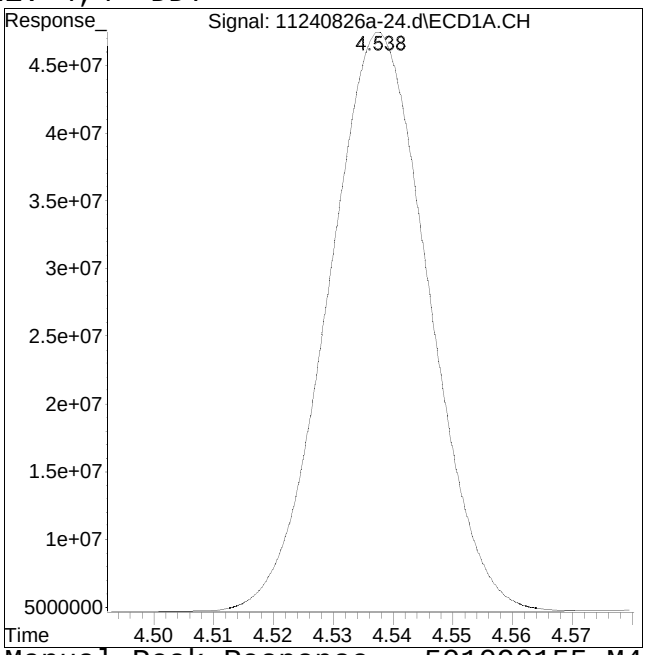
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #21: 4,4'-DDT



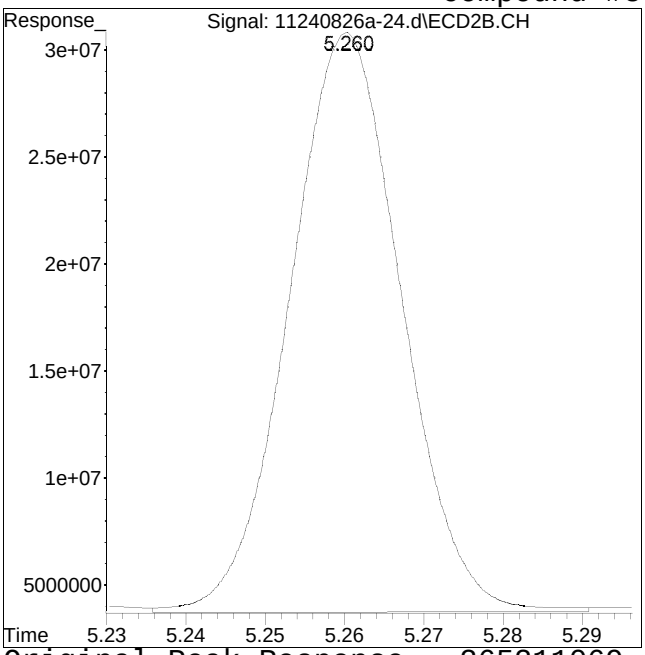


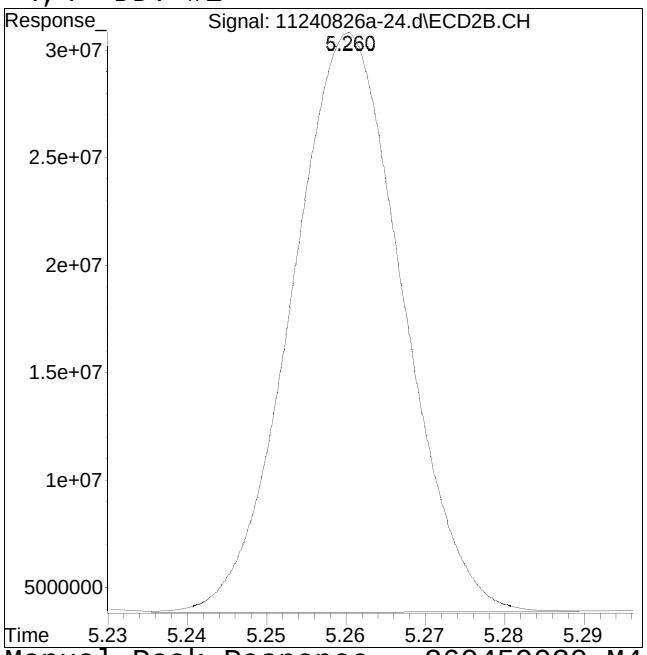
Original Peak Response = 512169702 Manual Peak Response = 501090155 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #59: 4,4'-DDT #2



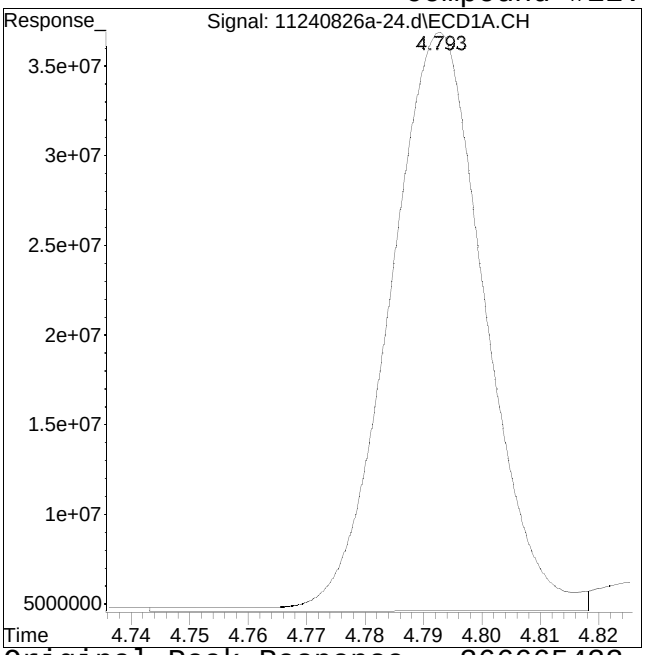


Original Peak Response = 265211069 Manual Peak Response = 260459020 M4
M4 = Poor automated baseline construction.

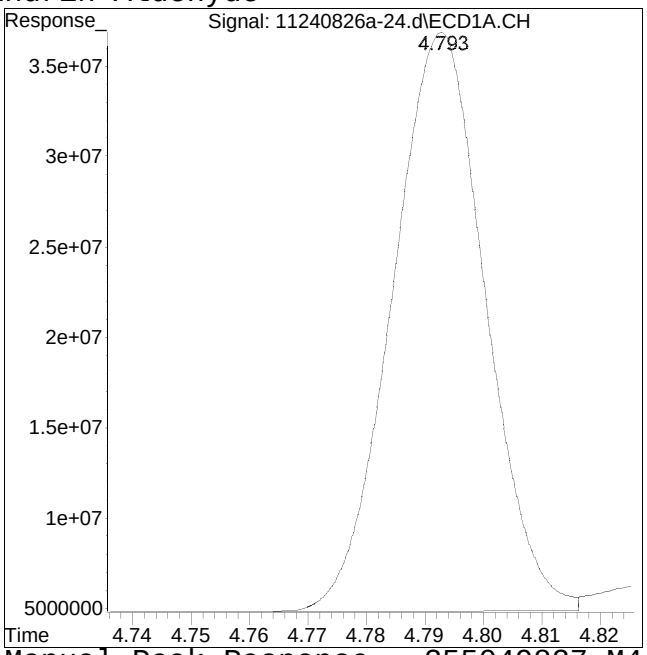
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 366665433

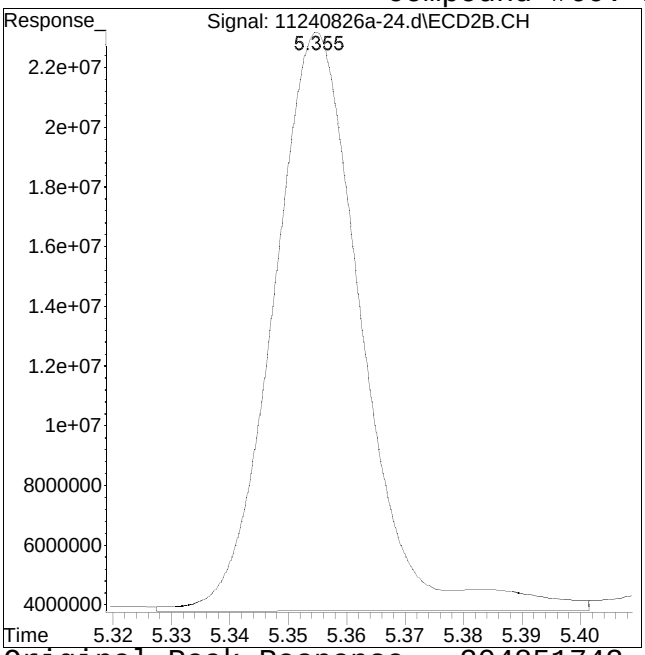


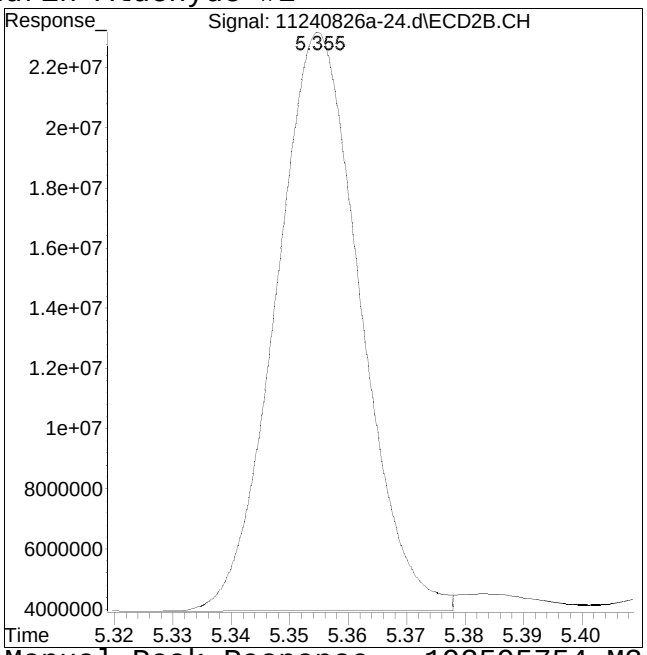
Manual Peak Response = 355049827 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #60: Endrin Aldehyde #2



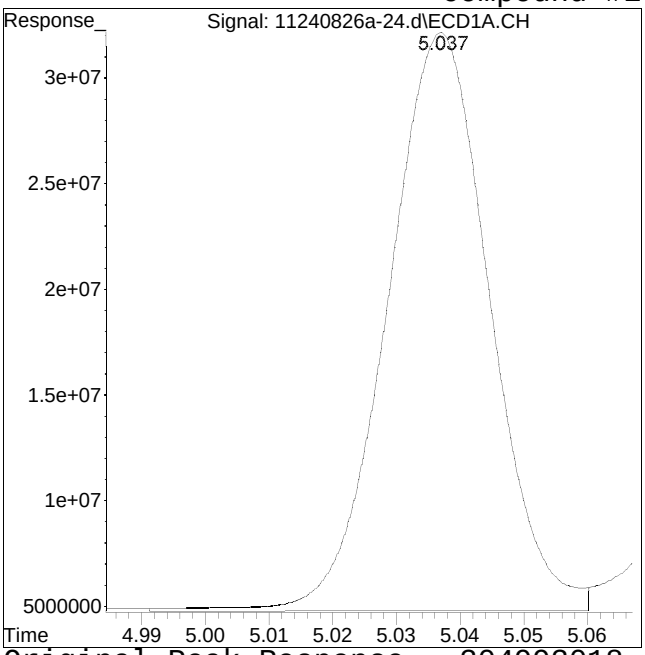


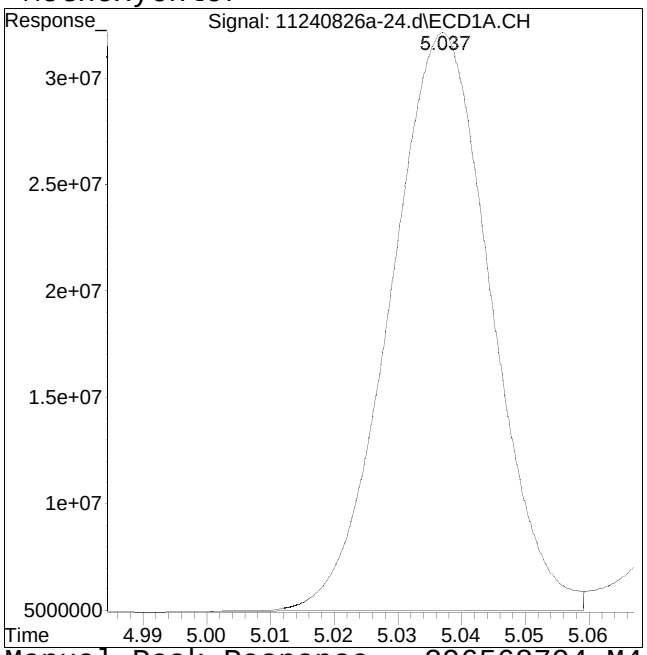
Original Peak Response = 204851743 Manual Peak Response = 192595754 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #23: Methoxychlor



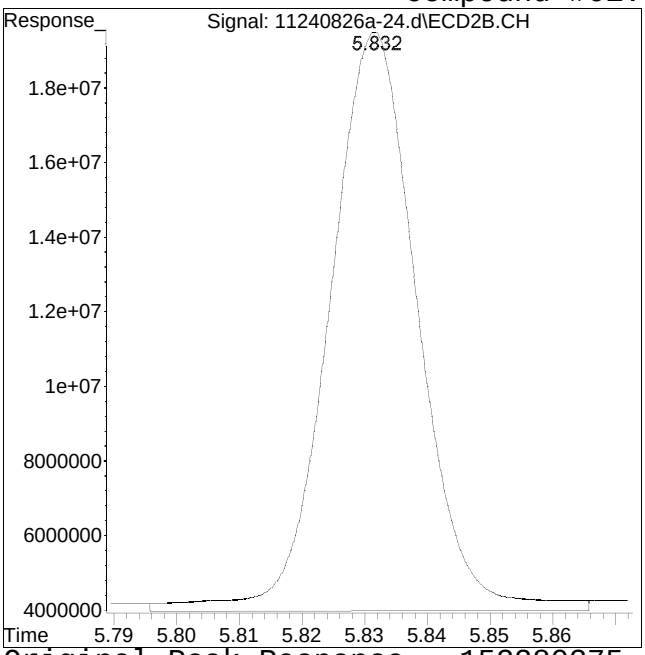


Original Peak Response = 304993018 Manual Peak Response = 296568794 M4
M4 = Poor automated baseline construction.

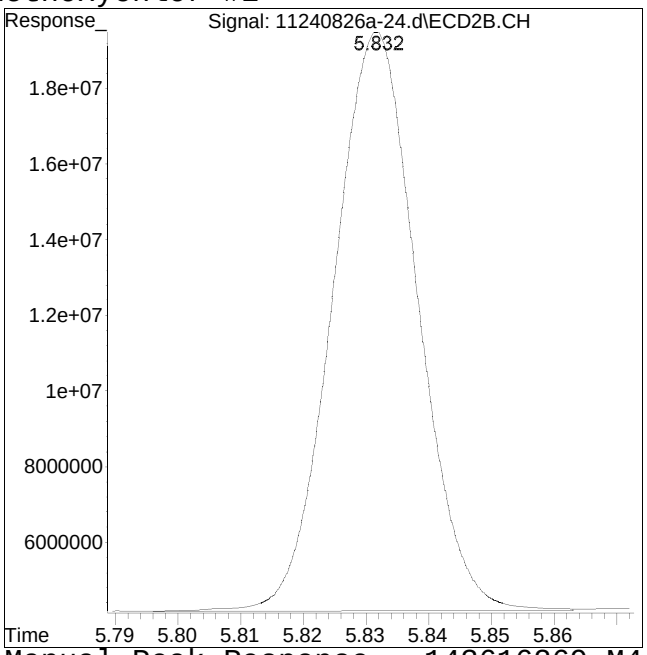
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #61: Methoxychlor #2



Original Peak Response = 152280375



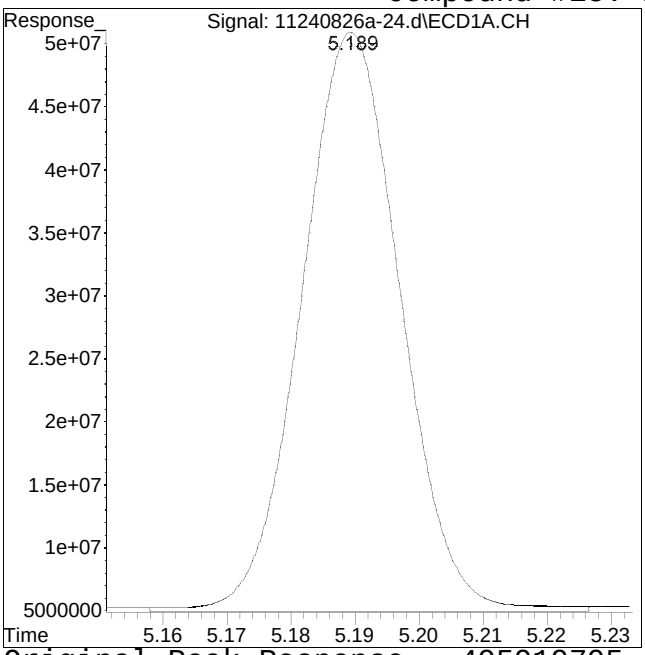
Manual Peak Response = 143616269 M4

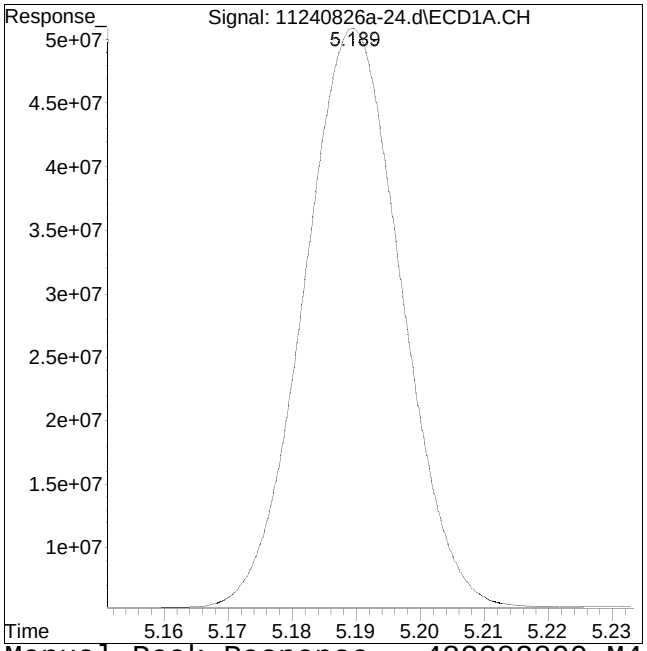
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #25: Endosulfan Sulfate



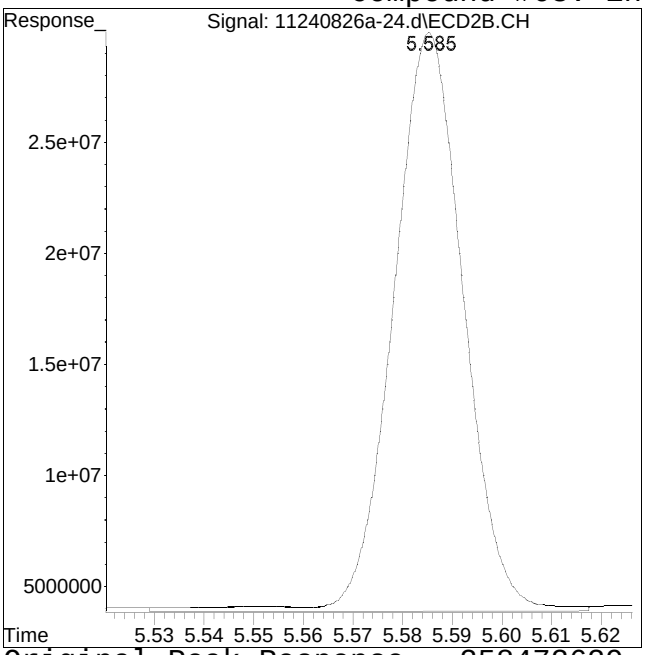


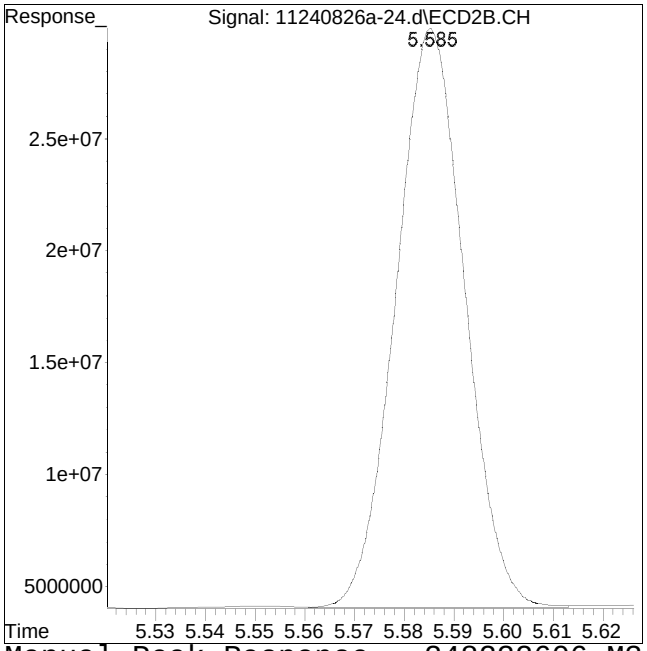
Original Peak Response = 495919795 Manual Peak Response = 482382890 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #63: Endosulfan Sulfate #2



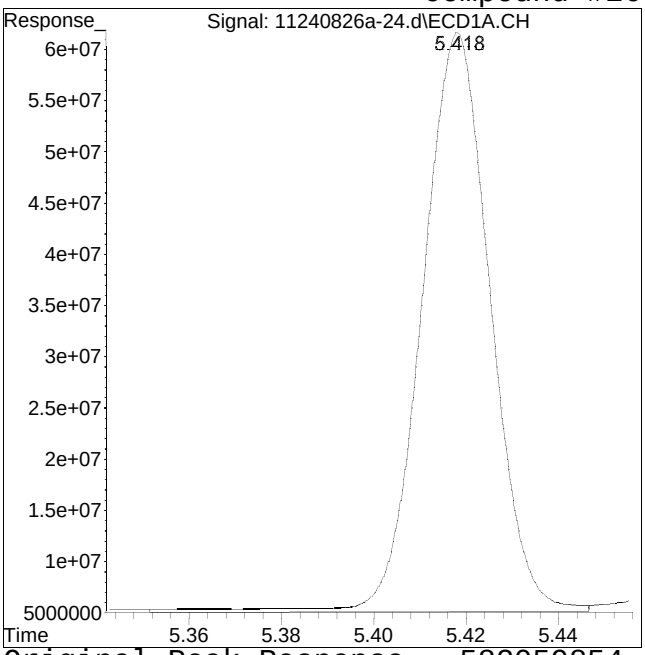


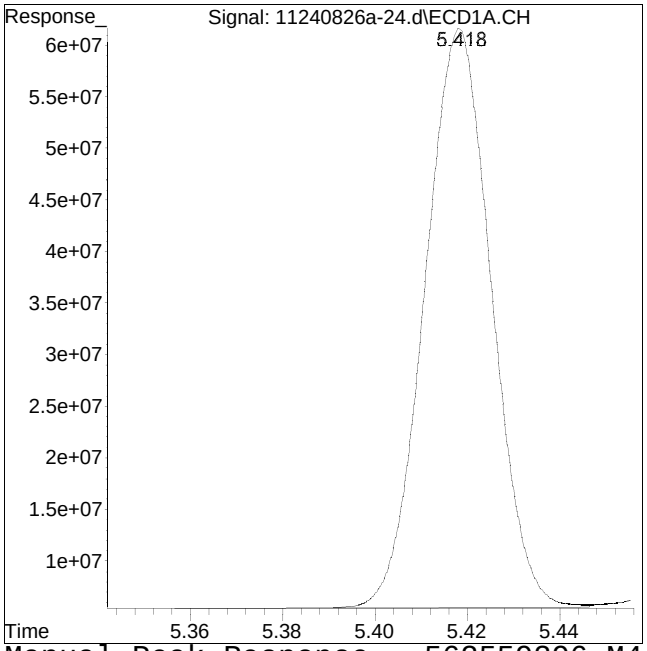
Original Peak Response = 258472629 Manual Peak Response = 248232606 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #26: Endrin Ketone



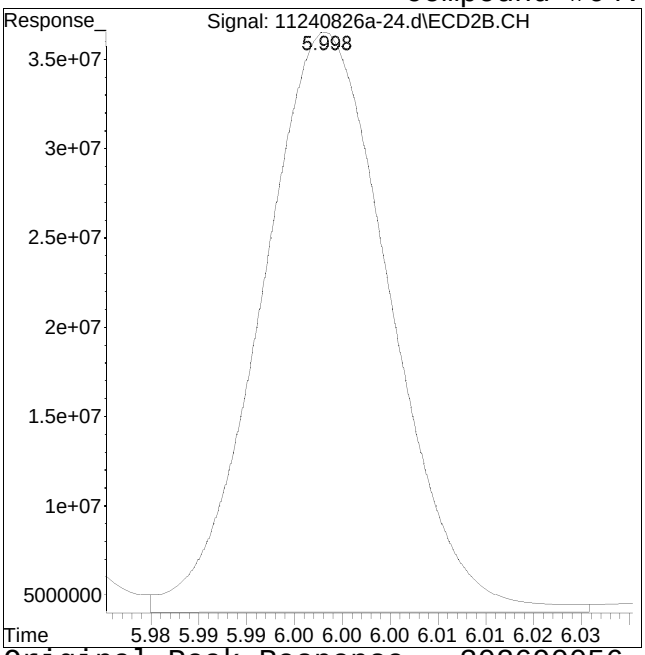


Original Peak Response = 582059854 Manual Peak Response = 562559296 M4
M4 = Poor automated baseline construction.

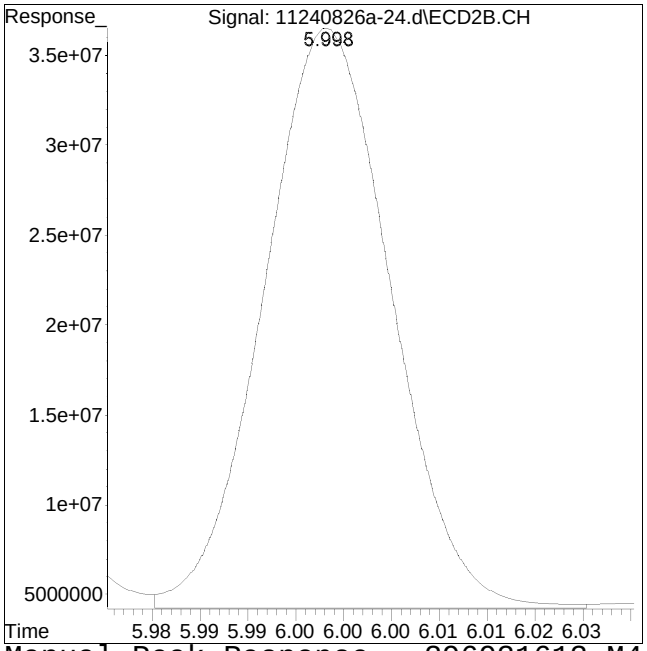
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 302690056



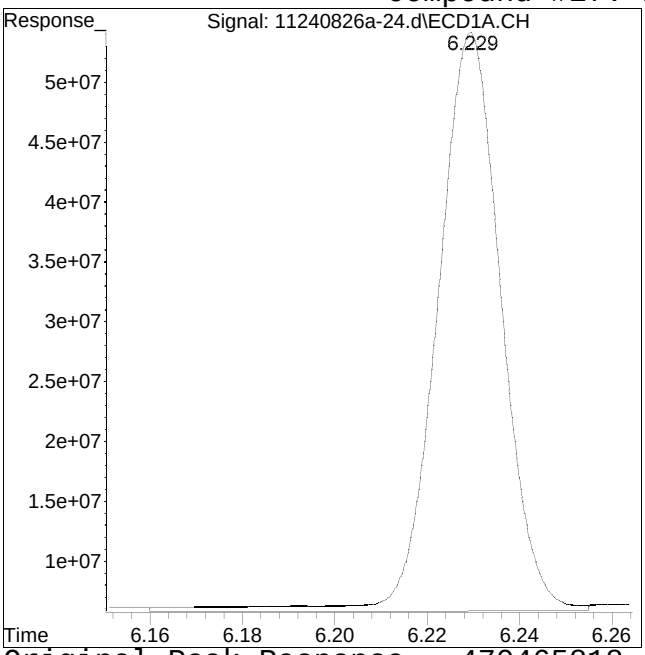
Manual Peak Response = 296931613 M4

M4 = Poor automated baseline construction.

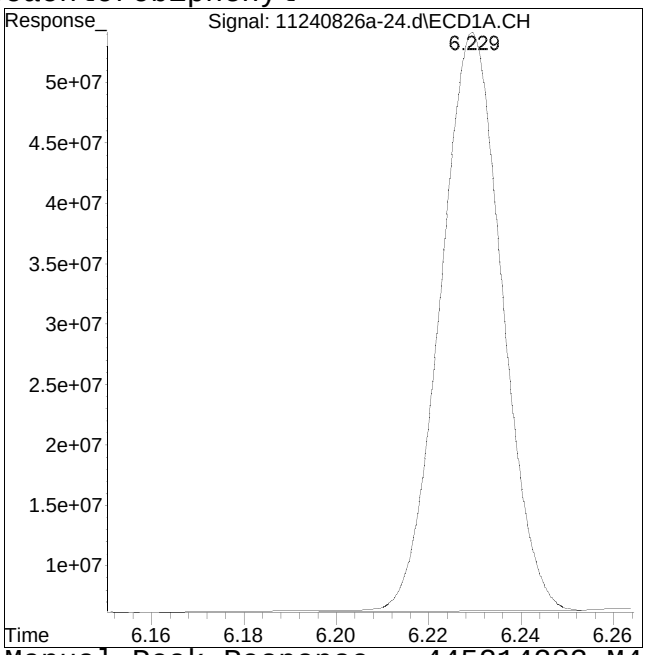
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 470465818



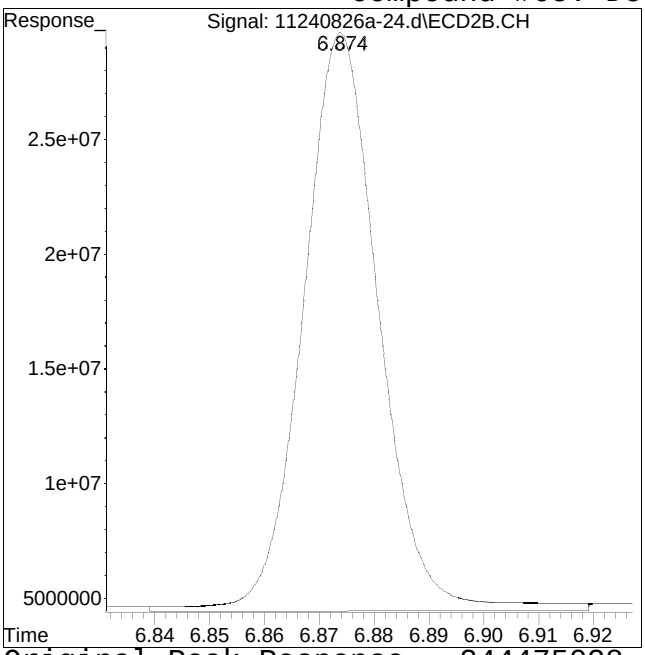
Manual Peak Response = 445214283 M4

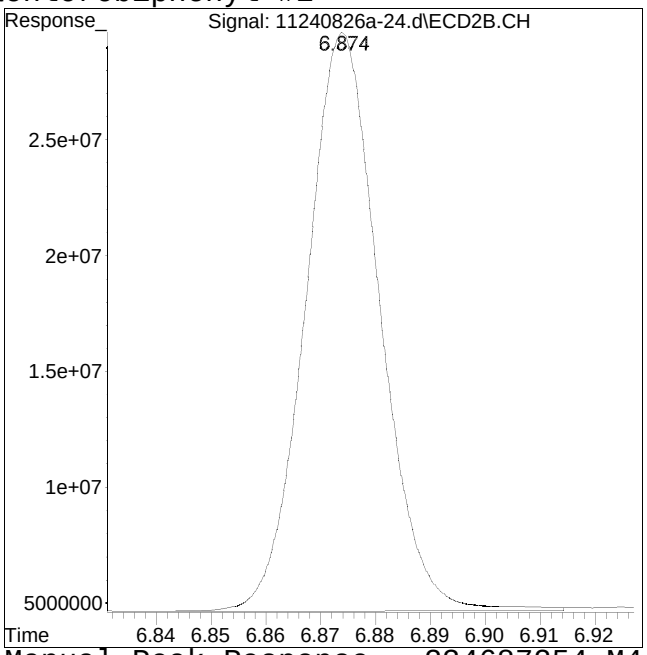
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240826QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240826a-24.d Operator : PEST11:ejl
Date Inj'd : 8/26/2024 10:37 Instrument : Pest 11
Sample : WG1963569-5,42,, msd Quant Date : 8/26/2024 1:55 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 244475028 Manual Peak Response = 234687254 M4
M4 = Poor automated baseline construction.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PEST
Inst: Pest_20
Date: **07/22/24**
Run: **ical**

Method
GC: pest

Seq: WG1950439
IS: pp11660

Vial	Data File	Sample CCAL	notes	screen	initials
1	20240722i-01	blank,42e,,pp 11660 -			
2	20240722i-02	pem-01,42e,,pp 11667 -			EJL 7/23
3	20240722i-03	il1pest,42e,,pp 11687 L0.0005			EJL 7/23
4	20240722i-04	il2pest,42e,,pp 11686 L0.001			EJL 7/23
5	20240722i-05	il3pest,42e,,pp 11685 L0.002			EJL 7/23
6	20240722i-06	il4pest,42e,,pp 11684 L0.003			EJL 7/23
7	20240722i-07	il5pest,42e,,pp 11683 L0.004			EJL 7/23
8	20240722i-08	il7pest,42e,,pp 11682 L0.01			EJL 7/23
9	20240722i-09	il8pest,42e,,pp 11681 L0.05			EJL 7/23
10	20240722i-10	il9pest,42e,,pp 11680 L0.1			EJL 7/23
11	20240722i-11	il10pest,42e,,pp 11679 L0.2			EJL 7/23
12	20240722i-12	il11pest,42e,,pp 11678 L0.4			EJL 7/23
13	20240722i-13	cicvpest,42e,,pp 11675 L0.05ICV			EJL 7/23
14	20240722i-14	il3chlor,42e,,pp 11694 L0.01			EJL 7/23
15	20240722i-15	il4chlor,42e,,pp 11693 L0.02			EJL 7/23
16	20240722i-16	il5chlor,42e,,pp 11692 L0.1			EJL 7/23
17	20240722i-17	il7chlor,42e,,pp 11691 L0.5			EJL 7/23
18	20240722i-18	il8chlor,42e,,pp 11690 L1.0			EJL 7/23
19	20240722i-19	il9chlor,42e,,pp 11689 L2.0			EJL 7/23
20	20240722i-20	il10chlor,42e,,pp 11688 L5.0	Level removed		EJL 7/23
21	20240722i-21	cicvchlor,42e,,pp 11670 L1.0ICV			EJL 7/23
22	20240722i-22	il3tox,42e,,pp 11703 L0.02			EJL 7/23
23	20240722i-23	il4tox,42e,,pp 11702 L0.1			EJL 7/23
24	20240722i-24	il7tox,42e,,pp 11701 L1.0			EJL 7/23
25	20240722i-25	il8tox,42e,,pp 11700 L2.0			EJL 7/23
26	20240722i-26	il9tox,42e,,pp 11695 L5.0			EJL 7/23
27	20240722i-27	cicvtox,42e,,pp 11668 L2.0ICV			EJL 7/23

Dep.: PEST
Inst: PEST_11
Date: **08/01/24**
Run: ical

Method
GC: pest

Seq: WG1955254
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	11240801i-01	blank,42e,,pp 11660 -				
2	11240801i-02	pem-01,42e,,pp 11667 -				EJL 8/2
3	11240801i-03	il1pest,42e,,pp 11687 L0.0005				EJL 8/2
4	11240801i-04	il2pest,42e,,pp 11686 L0.001				EJL 8/2
5	11240801i-05	il3pest,42e,,pp 11685 L0.002				EJL 8/2
6	11240801i-06	il4pest,42e,,pp 11684 L0.003				EJL 8/2
7	11240801i-07	il5pest,42e,,pp 11683 L0.004				EJL 8/2
8	11240801i-08	il7pest,42e,,pp 11682 L0.01				EJL 8/2
9	11240801i-09	il8pest,42e,,pp 11681 L0.05				EJL 8/2
10	11240801i-10	il9pest,42e,,pp 11680 L0.1				EJL 8/2
11	11240801i-11	il10pest,42e,,pp 11679 L0.2				EJL 8/2
12	11240801i-12	il11pest,42e,,pp 11678 L0.4				EJL 8/2
13	11240801i-13	cicvpest,42e,,pp 11675 L0.05ICV				EJL 8/2
14	11240801i-14	il3chlor,42e,,pp 11694 L0.01				EJL 8/2
15	11240801i-15	il4chlor,42e,,pp 11693 L0.02				EJL 8/2
16	11240801i-16	il5chlor,42e,,pp 11692 L0.1				EJL 8/2
17	11240801i-17	il7chlor,42e,,pp 11691 L0.5				EJL 8/2
18	11240801i-18	il8chlor,42e,,pp 11690 L1.0				EJL 8/2
19	11240801i-19	il9chlor,42e,,pp 11689 L2.0				EJL 8/2
20	11240801i-20	il10chlor,42e,,pp 11688 L5.0				EJL 8/2
21	11240801i-21	cicvchlor,42e,,pp 11670 L1.0ICV				EJL 8/2
22	11240801i-22	il3tox,42e,,pp 11703 L0.02				EJL 8/2
23	11240801i-23	il4tox,42e,,pp 11702 L0.1				EJL 8/2
24	11240801i-24	il7tox,42e,,pp 11701 L1.0				EJL 8/2
25	11240801i-25	il8tox,42e,,pp 11700 L2.0				EJL 8/2
26	11240801i-26	il9tox,42e,,pp 11695 L5.0				EJL 8/2
27	11240801i-27	cicvtox,42e,,pp 11668 L2.0ICV			EJL	EJL 8/2

Dep.: PEST
Inst: PEST_18
Date: **08/15/24**
Run: ical

Method
GC: pest

Seq: WG1961557
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	18240815i-01	blank,42e,,pp 11660 -				
2	18240815i-02	pem-01,42e,,pp 11667 -				PEG 8/16
3	18240815i-03	il1pest,42e,,pp 11687 L0.0005				PEG 8/16
4	18240815i-04	il2pest,42e,,pp 11686 L0.001				PEG 8/16
5	18240815i-05	il3pest,42e,,pp 11685 L0.002				PEG 8/16
6	18240815i-06	il4pest,42e,,pp 11684 L0.003				PEG 8/16
7	18240815i-07	il5pest,42e,,pp 11683 L0.004				PEG 8/16
8	18240815i-08	il7pest,42e,,pp 11682 L0.01				PEG 8/16
9	18240815i-09	il8pest,42e,,pp 11681 L0.05				PEG 8/16
10	18240815i-10	il9pest,42e,,pp 11680 L0.1				PEG 8/16
11	18240815i-11	il10pest,42e,,pp 11679 L0.2				PEG 8/16
12	18240815i-12	il11pest,42e,,pp 11678 L0.4				PEG 8/16
13	18240815i-13	cicvpest,42e,,pp 11675 L0.05ICV				PEG 8/16
14	18240815i-14	il3chlor,42e,,pp 11694 L0.01				PEG 8/16
15	18240815i-15	il4chlor,42e,,pp 11693 L0.02				PEG 8/16
16	18240815i-16	il5chlor,42e,,pp 11692 L0.1				PEG 8/16
17	18240815i-17	il7chlor,42e,,pp 11691 L0.5				PEG 8/16
18	18240815i-18	il8chlor,42e,,pp 11690 L1.0				PEG 8/16
19	18240815i-19	il9chlor,42e,,pp 11689 L2.0				PEG 8/16
20	18240815i-20	il10chlor,42e,,pp 11688 L5.0	not used			PEG 8/16
21	18240815i-21	cicvchlor,42e,,pp 11670 L1.0ICV				PEG 8/16
22	18240815i-22	il3tox,42e,,pp 11703 L0.02				PEG 8/16
23	18240815i-23	il4tox,42e,,pp 11702 L0.1				PEG 8/16
24	18240815i-24	il7tox,42e,,pp 11701 L1.0				PEG 8/16
25	18240815i-25	il8tox,42e,,pp 11700 L2.0				PEG 8/16
26	18240815i-26	il9tox,42e,,pp 11695 L5.0				PEG 8/16
27	18240815i-27	cicvtox,42e,,pp 11668 L2.0ICV				PEG 8/16

Dep.: PEST
Inst: PEST_11
Date: **08/26/24**
Run: a

Method
GC: pest

Seq: wg1963716
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	11240826a-01	blank				
2	11240826a-02	deg11573 5:50				EJL 8/26
3	11240826a-03	pest11604	a: g-chlor, b: several low			EJL 8/26
4	11240826a-04	chlor11670	a: high, b: 15%			EJL 8/26
5	11240826a-05	tox11668	a: high, b: 15%			EJL 8/26
6	11240826a-06	blank				
7	11240826a-07	WG1963456-1,42,, 455		MMG		MMG 8/26
8	11240826a-08	WG1963456-2,42,, 455				MMG 8/26
9	11240826a-09	WG1963456-3,42,, 455				MMG 8/26
10	11240826a-10	L2447197-06,42,,,R5F				MMG 8/26
11	11240826a-11	L2447123-14,42,,				EJL 8/27
12	11240826a-12	L2422662-116,42,, p				
13	11240826a-13	WG1963456-4,42,, ms				
14	11240826a-14	WG1963456-5,42,, dup				
15	11240826a-15	WG1963569-1,42,, 570				EJL 8/27
16	11240826a-16	WG1963569-2,42,, 570				EJL 8/27
17	11240826a-17	WG1963569-3,42,, 570				EJL 8/27
18	11240826a-18	L2447156-01,42,,	surros low, re-ex			
19	11240826a-19	L2447156-02,42,,				EJL 8/27
20	11240826a-20	L2447503-01,42,,				EJL 8/27
21	11240826a-21	L2447503-06,42,,				EJL 8/27
22	11240826a-22	L2447503-07,42,, p				EJL 8/27
23	11240826a-23	WG1963569-4,42,, ms				EJL 8/27
24	11240826a-24	WG1963569-5,42,, msd				EJL 8/27
25	11240826a-25	WG1963428-1,42,, 608	rr closer			
26	11240826a-26	WG1963428-2,42,, 608				
27	11240826a-27	L2447071-01,42,, 608				
28	11240826a-28	L2447071-02,42,, 608				
29	11240826a-29	L2447122-01,42,, 608				
30	11240826a-30	L2447122-02,42,, 608				
31	11240826a-31	L2446929-01,42,, 608 rr				
32	11240826a-32	L2446929-02,42,, 608 rr				
33	11240826a-33	L2422662-119,42,, p 608				
34	11240826a-34	WG1963428-3,42,, ms 608			ejl	
35	11240826a-35	WG1963428-4,42,, msd 608				
36	11240826a-36	pest11604	a/b: end alde low		mmg	
37	11240826a-37	pest11604	a/b: end alde low			

Dep.: PEST
Inst: PEST_18
Date: **08/26/24**
Run: a

Method
GC: pest

Seq: wg1963730
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	18240826a-01	blank				
2	18240826a-02	deg11573	6:43 (1%)			EJL 8/26
3	18240826a-03	pest11604	a: end ald low, b: 20%			EJL 8/26
4	18240826a-04	chlor11670	15%			EJL 8/26
5	18240826a-05	tox11668	15%			EJL 8/26
6	18240826a-06	blank				
7	18240826a-07	L2446831-01,42,, rr		sid		EJL 8/27
8	18240826a-08	WG1963375-1,42,,				EJL 8/27
9	18240826a-09	WG1963375-2,42,,				EJL 8/27
10	18240826a-10	WG1963375-3,42,,				EJL 8/27
11	18240826a-11	L2447189-01,42,,				EJL 8/27
12	18240826a-12	L2447189-02,42,,				EJL 8/27
13	18240826a-13	L2447189-03,42,,				EJL 8/27
14	18240826a-14	L2447189-04,42,,	surros low: rc			
15	18240826a-15	L2447189-05,42,,				EJL 8/27
16	18240826a-16	L2447189-06,42,,				EJL 8/27
17	18240826a-17	L2447189-07,42,,				EJL 8/27
18	18240826a-18	L2447189-08,42,,				EJL 8/27
19	18240826a-19	L2447124-01,42,,				EJL 8/27
20	18240826a-20	L2447124-02,42,,				EJL 8/27
21	18240826a-21	L2447124-03,42,,				EJL 8/27
22	18240826a-22	L2447124-04,42,,				EJL 8/27
23	18240826a-23	L2447124-05,42,,				EJL 8/27
24	18240826a-24	L2447124-06,42,,				EJL 8/27
25	18240826a-25	L2447124-07,42,,				EJL 8/27
26	18240826a-26	L2447124-08,42,,				EJL 8/27
27	18240826a-27	L2447138-01,42,,				EJL 8/27
28	18240826a-28	L2447355-01,42,,				EJL 8/27
29	18240826a-29	pest11604	A: End.Ald low		ejl	SID 8/26
30	18240826a-30	blank				
31	18240826a-31	L2447503-11,42,,				EJL 8/27
32	18240826a-32	L2447506-01,42,,	IS high, re-ex			
33	18240826a-33	L2447506-02,42,,				EJL 8/27
34	18240826a-34	L2447506-03,42,,				EJL 8/27
35	18240826a-35	L2447507-01,42,,	inj @ 6:07		sid	EJL 8/27

Dep.: PEST
Inst: PEST_20
Date: **08/26/24**
Run: a

Method
GC: pest

Seq: wg1963797
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	20240826a-01	blank				
2	20240826a-02	deg11573 7:34				EJL 8/26
3	20240826a-03	pest11604 20%				EJL 8/26
4	20240826a-04	chlor11670 15%				EJL 8/26
5	20240826a-05	tox11668 20%				EJL 8/26
6	20240826a-06	blank				
7	20240826a-07	L2448199-05d,42,10, m				MMG 8/26
8	20240826a-08	L2448199-06d,42,10, m				MMG 8/26
9	20240826a-09	L2448199-07d,42,10, m			ejl	MMG 8/26
10	20240826a-10	blank				
11	20240826a-11	L2447088-01,42,,		MMG		PEG 8/27
12	20240826a-12	L2447088-02,42,,				PEG 8/27
13	20240826a-13	L2447088-03,42,,				PEG 8/27
14	20240826a-14	L2447088-04,42,,				PEG 8/27
15	20240826a-15	WG1963678-1,42,, t				
16	20240826a-16	WG1963678-2,42,, t				
17	20240826a-17	WG1963678-3,42,, t				
18	20240826a-18	L2447189-02,42,, t	surros low, re-ex			
19	20240826a-19	WG1963677-1,42,, t	t 24-aug-24 19:03			PEG 8/27
20	20240826a-20	WG1963677-2,42,, t	t 24-aug-24 19:03			PEG 8/27
21	20240826a-21	WG1963677-3,42,, t	t 24-aug-24 19:03			PEG 8/27
22	20240826a-22	L2446438-01,42,, t	t 24-aug-24 19:03			PEG 8/27
23	20240826a-23	WG1963491-1,42,,		sid		PEG 8/27
24	20240826a-24	WG1963491-2,42,,				PEG 8/27
25	20240826a-25	WG1963491-3,42,,				PEG 8/27
26	20240826a-26	L2447086-01,42,, p				
27	20240826a-27	WG1963491-4,42,, ms				
28	20240826a-28	WG1963491-5,42,, dup				
29	20240826a-29	L2447086-02,42,,				
30	20240826a-30	L2447123-02,42,,				
31	20240826a-31	L2447123-04,42,,				
32	20240826a-32	L2447123-05,42,,				
33	20240826a-33	L2447123-07,42,,				
34	20240826a-34	L2447123-08,42,,				
35	20240826a-35	L2447123-09,42,,				
36	20240826a-36	L2447336-01,42,,				
37	20240826a-37	L2447336-02,42,,				
38	20240826a-38	L2447343-01,42,,				
39	20240826a-39	pest11604	a: g-chlor high b: 15%		ejl	SID 8/26
40	20240826a-40	blank				
41	20240826a-41	L2447306-01,42,,		sid		
42	20240826a-42	L2447501-01,42,,				
43	20240826a-43	L2447501-02,42,,				
44	20240826a-44	L2447503-02,42,,				
45	20240826a-45	L2447503-03,42,,				

Dep.: PEST
Inst: PEST_20
Date: **08/26/24**
Run: a

Method
GC: pest

Seq: wg1963797
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
46	20240826a-46	L2447503-04,42,,				
47	20240826a-47	L2447503-05,42,,				
48	20240826a-48	L2447503-08,42,,				
49	20240826a-49	L2447503-09,42,,				
50	20240826a-50	L2447503-10,42,,	inj @ 7:12 p.m.		sid	

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 27 2024, 02:24 pm

Work Group: WG1963569 for Department: 2 Organic Preparation

Created: 25-AUG-24 Due: Operator: NBD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447306-01	HOLMES-TYPE II	S	NYTCL-8081	WATER	DONE	U	0827	0827	NC	Amber-A.120
L2447501-01	GW-06-20240820	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447501-02	GW-07-20240820	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447503-01	MW-1S	S	NYTCL-8081	WATER	DONE	U	0826	0827	S0	Amber-A.120
L2447503-02	MW-2S	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447503-03	MW-3S	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447503-04	MW-4D	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447503-05	MW-5S	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447503-06	MW-6D	S	NYTCL-8081	WATER	DONE	U	0826	0827	S0	Amber-A.120
L2447503-07	MW-7S	S	NYTCL-8081	WATER	DONE	U	0826	0827	S0	Amber-A.120
L2447503-08	MW-8S	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447503-09	DUP	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447503-10	FIELD BLANK	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447503-11	EQUIPMENT BLANK	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447506-02	HRP-MW5A-082024	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447506-03	HRP-MW1-082024	S	NYTCL-8081	WATER	DONE	U	0827	0827	S0	Amber-A.120
L2447507-01	MAHWAH RO-TYPE II	S	NYTCL-8081	WATER	DONE	U	0827	0827	NC	Amber-A.120
WG1963569-1	Laboratory Method Bl	S	NYTCL-8081	WATER	DONE	U				
WG1963569-2	Laboratory Control S	S	NYTCL-8081	WATER	DONE	U				
WG1963569-3	LCS Duplicate	S	NYTCL-8081	WATER	DONE	U				
WG1963569-4	Matrix Spike	S	NYTCL-8081	WATER	DONE	U				
WG1963569-5	Matrix Spike Duplica	S	NYTCL-8081	WATER	DONE	U				

Comments:

WG1963569-3	WG1963569-2
WG1963569-4	L2447503-07
WG1963569-5	L2447503-07

ORGANIC ELN REPORT

Workgroup: WG1963569

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ049
Surrogate Type: Pesticide/PCB **Lot #:** PP11723ae,02/06/2025,7c,5,4
Spike Type: Pesticide **Lot #:** PP11617ay-121724
Spike Verify by: NBD/FMM/ZCH
Lims Spikelot: PEST_LVI

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EI962

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2447306-01 SAMP	08/26/24 00:56	Francis Mbro-Menyah	140	>5, <9	.25		08/26/24 09:33	Tian-Long Chheou	1	H, K, 3
L2447501-01 SAMP	08/26/24 08:09	Zachary Helin	140	>5, <9	.25		08/26/24 10:53	Tian-Long Chheou	1	H, K, 3
L2447501-02 SAMP	08/26/24 08:09	Zachary Helin	140	>5, <9	.25		08/26/24 10:53	Tian-Long Chheou	1	H, K, 3
L2447503-01 SAMP	08/25/24 11:30	Nicholas Dunn	140	>5, <9	.25		08/25/24 16:23	Paolo Roffo	1	C / A / #1
L2447503-02 SAMP	08/26/24 08:09	Zachary Helin	140	>5, <9	.25		08/26/24 10:53	Tian-Long Chheou	1	H, K, 3
L2447503-03 SAMP	08/26/24 08:09	Zachary Helin	140	>5, <9	.25		08/26/24 10:53	Tian-Long Chheou	1	H, K, 3

Reported: 27-AUG-24 02:24 PM

ORGANIC ELN REPORT

Workgroup: WG1963569

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447503-04 SAMP	08/26/24 08:09	Zachary Helin	140	>5, <9	.25		08/26/24 10:53	Tian-Long Chheou	1	H, K, 3
L2447503-05 SAMP	08/26/24 08:09	Zachary Helin	140	>5, <9	.25		08/26/24 10:53	Tian-Long Chheou	1	H, K, 3
L2447503-06 SAMP	08/25/24 11:30	Nicholas Dunn	140	>5, <9	.25		08/25/24 16:23	Paolo Roffo	1	C / A / #1
L2447503-07 SAMP	08/25/24 11:30	Nicholas Dunn	140	>5, <9	.25		08/25/24 16:23	Paolo Roffo	1	C / A / #1
L2447503-08 SAMP	08/26/24 08:09	Zachary Helin	140	>5, <9	.25		08/26/24 10:53	Tian-Long Chheou	1	H, K, 3
L2447503-09 SAMP	08/26/24 08:09	Zachary Helin	140	>5, <9	.25		08/26/24 10:53	Tian-Long Chheou	1	H, K, 3
L2447503-10 SAMP	08/26/24 08:09	Zachary Helin	140	>5, <9	.25		08/26/24 10:53	Tian-Long Chheou	1	H, K, 3
L2447503-11 SAMP	08/26/24 08:09	Zachary Helin	140	>5, <9	.25		08/26/24 10:53	Tian-Long Chheou	1	H, K, 3

ORGANIC ELN REPORT

Workgroup: WG1963569

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447506-01 SAMP	08/26/24 00:56	Francis Mbro-Menyah	140	>5, <9	.25		08/26/24 09:33	Tian-Long Chheou	1	H, K, 3
L2447506-02 SAMP	08/26/24 00:56	Francis Mbro-Menyah	140	>5, <9	.25		08/26/24 09:33	Tian-Long Chheou	1	H, K, 3
L2447506-03 SAMP	08/26/24 00:56	Francis Mbro-Menyah	140	>5, <9	.25		08/26/24 09:33	Tian-Long Chheou	1	H, K, 3
L2447507-01 SAMP	08/26/24 00:56	Francis Mbro-Menyah	140	>5, <9	.25		08/26/24 09:33	Tian-Long Chheou	1	H, K, 3
WG1963569-1 BLANK	08/25/24 11:30 **WG1963570**	Nicholas Dunn	140	>5, <9	.25		08/25/24 16:23	Paolo Roffo	1	C / A / #1
WG1963569-2 LCS	08/25/24 11:30	Nicholas Dunn	140	>5, <9	.25	.25	08/25/24 16:23	Paolo Roffo	1	C / A / #1
WG1963569-3 LCSD	08/25/24 11:30	Nicholas Dunn	140	>5, <9	.25	.25	08/25/24 16:23	Paolo Roffo	1	C / A / #1
WG1963569-4 MS	08/25/24 11:30	Nicholas Dunn	140	>5, <9	.25	.25	08/25/24 16:23	Paolo Roffo	1	C / A / #1
WG1963569-5 MSD	08/25/24 11:30	Nicholas Dunn	140	>5, <9	.25	.25	08/25/24 16:23	Paolo Roffo	1	C / A / #1

Reported: 27-AUG-24 02:24 PM

PFAS via Draft Method 1633

Semivolatiles QC Summary

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1971858-2 **Analysis Date** : 09/17/24 08:13	**File ID**	: SCI05_240917_16.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorobutanoic Acid (PFBA)	12.8	15.0	117				-	40-150	30
Perfluoropentanoic Acid (PFPeA)	6.4	8.56	134				-	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	2.84	3.19	112				-	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	12	13.5	112				-	40-150	30
Perfluorohexanoic Acid (PFHxA)	3.2	3.74	117				-	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	3.01	3.55	118				-	40-150	30
Perfluoroheptanoic Acid (PFHpA)	3.2	3.86	120				-	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	2.92	3.64	124				-	40-150	30
Perfluorooctanoic Acid (PFOA)	3.2	3.87	121				-	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	12.2	14.9	123				-	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	3.05	3.54	116				-	40-150	30
Perfluorononanoic Acid (PFNA)	3.2	4.00	125				-	40-150	30
Perfluorooctanesulfonic Acid	2.97	3.58	120				-	40-150	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1971858-2 **Analysis Date** : 09/17/24 08:13	**File ID**	: SCI05_240917_16.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
(PFOS)									
Perfluorodecanoic Acid (PFDA)	3.2	3.90	122				-	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	12.3	18.2	148				-	40-150	30
Perfluorononanesulfonic Acid (PFNS)	3.08	3.77	122				-	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.2	4.15	130				-	40-150	30
Perfluoroundecanoic Acid (PFUnA)	3.2	3.98	124				-	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	3.09	3.26	105				-	40-150	30
Perfluorooctanesulfonamide (PFOSA)	3.2	3.78	118				-	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	3.2	4.25	133				-	40-150	30
Perfluorododecanoic Acid (PFDoA)	3.2	2.91	91				-	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	3.2	2.90	90				-	40-150	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1971858-2 **Analysis Date** : 09/17/24 08:13	**File ID**	: SCI05_240917_16.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorotetradecanoic Acid (PFTeDA)	3.2	3.89	122				-	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	12.8	15.7	123				-	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	12.1	13.6	112				-	40-150	30
Perfluorododecanesulfonic Acid (PFDoS)	3.1	3.42	110				-	40-150	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	12	14.5	121				-	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	12.1	13.0	108				-	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	3.2	3.63	114				-	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	3.2	3.84	120				-	40-150	30
N-Methyl Perfluorooctanesulfonami	32	35.2	110				-	40-150	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1971858-2 **Analysis Date** : 09/17/24 08:13	**File ID**	: SCI05_240917_16.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	32	36.6	114				-	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	6.4	8.63	135				-	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	6.4	7.35	115				-	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.7	7.06	124				-	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	6.4	8.06	126				-	40-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	16	20.7	130				-	40-150	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	80	81.1	101				-	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	80	44.0	55				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1971858-3 **Analysis Date** : 09/17/24 08:26	**File ID**	: SCI05_240917_17.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	80	103	128				-	40-150	30
Perfluoropentanoic Acid (PFPeA)	40	56.3	141				-	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	17.7	22.5	127				-	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	75	83.1	111				-	40-150	30
Perfluorohexanoic Acid (PFHxA)	20	24.5	123				-	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	18.8	23.8	126				-	40-150	30
Perfluoroheptanoic Acid (PFHpA)	20	25.2	126				-	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	18.3	23.0	126				-	40-150	30
Perfluorooctanoic Acid (PFOA)	20	23.7	118				-	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	76	102	134				-	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	19.1	25.9	136				-	40-150	30
Perfluorononanoic Acid (PFNA)	20	27.8	139				-	40-150	30
Perfluorooctanesulfonic Acid	18.6	23.6	127				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1971858-3 **Analysis Date** : 09/17/24 08:26	**File ID**	: SCI05_240917_17.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFOS)									
Perfluorodecanoic Acid (PFDA)	20	27.0	135				-	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	76.8	113	148				-	40-150	30
Perfluorononanesulfonic Acid (PFNS)	19.2	24.9	129				-	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	20	27.6	138				-	40-150	30
Perfluoroundecanoic Acid (PFUnA)	20	24.9	124				-	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	19.3	22.1	115				-	40-150	30
Perfluorooctanesulfonamide (PFOSA)	20	26.0	130				-	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	20	25.4	127				-	40-150	30
Perfluorododecanoic Acid (PFDoA)	20	18.8	94				-	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	20	19.5	98				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1971858-3 **Analysis Date** : 09/17/24 08:26	**File ID**	: SCI05_240917_17.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorotetradecanoic Acid (PFTeDA)	20	24.9	125				-	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	80	108	136				-	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	75.6	95.4	126				-	40-150	30
Perfluorododecanesulfonic Acid (PFDoS)	19.4	22.4	116				-	40-150	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	74.8	104	140				-	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	75.6	91.6	121				-	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	20	27.2	136				-	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	20	26.9	134				-	40-150	30
N-Methyl Perfluorooctanesulfonami	200	254	127				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1971858-3 **Analysis Date** : 09/17/24 08:26	**File ID**	: SCI05_240917_17.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	200	250	125				-	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	40	57.5	144				-	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	40	47.5	119				-	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	35.6	47.6	134				-	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	40	55.5	139				-	40-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100	144	144				-	40-150	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	500	637	127				-	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	500	405	81				-	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER ()
Lab Sample ID	: L2447503-07	**Analysis Date**	: 09/17/24 09:04
Matrix Spike	: WG1971858-4	**MS Analysis Date**	: 09/17/24 09:17
Matrix Spike Dup	: WG1971858-5	**MSD Analysis Date**	: 09/17/24 09:30

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	10.2	71.8	88.7	109	72.6	91.8	112	3	40-150	30
Perfluoropentanoic Acid (PFPeA)	11.9	35.9	51.2	110	36.3	53.1	113	4	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	3.53	15.9	20.6	107	16.1	21.4	111	4	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	67.3	63.8	95	68.1	68.1	100	7	40-150	30
Perfluorohexanoic Acid (PFHxA)	11.2	17.9	26.9	88	18.2	26.8	86	0	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	1.89	16.9	20.4	110	17.1	21.0	112	3	40-150	30
Perfluoroheptanoic Acid (PFHpA)	11.9	17.9	29.0	95	18.2	30.7	104	6	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	14.4	16.4	31.1	102	16.6	32.7	110	5	40-150	30
Perfluorooctanoic Acid (PFOA)	25.7	17.9	45.0	108	18.2	48.8	127	8	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	68.2	77.0	113	69	81.1	118	5	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	17.1	19.8	116	17.3	22.4	129	12	40-150	30
Perfluorononanoic Acid (PFNA)	1.17J	17.9	20.7	109	18.2	21.3	111	3	40-150	30
Perfluorooctanesulfonic Acid (PFOS)	4.92	16.6	21.2	98	16.8	24.0	113	12	40-150	30
Perfluorodecanoic Acid (PFDA)	ND	17.9	18.7	104	18.2	20.2	111	8	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfon	ND	68.9	76.8	111	69.7	90.9	130	17	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER ()
Lab Sample ID	: L2447503-07	**Analysis Date**	: 09/17/24 09:04
Matrix Spike	: WG1971858-4	**MS Analysis Date**	: 09/17/24 09:17
Matrix Spike Dup	: WG1971858-5	**MSD Analysis Date**	: 09/17/24 09:30

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
ic Acid (8:2FTS)										
Perfluorononanesulfonic Acid (PFNS)	ND	17.2	16.1	93	17.5	19.1	109	17	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	17.9	20.2	113	18.2	23.6	130	16	40-150	30
Perfluoroundecanoic Acid (PFUnA)	ND	17.9	19.3	108	18.2	21.3	117	10	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	ND	17.3	14.4	83	17.5	16.8	96	15	40-150	30
Perfluorooctanesulfonamide (PFOSA)	ND	17.9	17.9	100	18.2	19.7	108	10	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	17.9	16.8	94	18.2	19.0	105	12	40-150	30
Perfluorododecanoic Acid (PFDoA)	ND	17.9	12.7	71	18.2	14.7	81	15	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	ND	17.9	13.1	73	18.2	14.4	79	9	40-150	30
Perfluorotetradecanoic Acid (PFTeDA)	ND	17.9	17.6	98	18.2	19.2	106	9	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	71.8	82.9	116	72.6	86.5	119	4	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	67.8	82.4	122	68.6	84.5	123	3	40-150	30
Perfluorododecanesulfonic Acid	ND	17.4	15.5	89	17.6	17.2	98	10	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER ()
Lab Sample ID	: L2447503-07	**Analysis Date**	: 09/17/24 09:04
Matrix Spike	: WG1971858-4	**MS Analysis Date**	: 09/17/24 09:17
Matrix Spike Dup	: WG1971858-5	**MSD Analysis Date**	: 09/17/24 09:30

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFDoS)										
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	67.1	71.5	107	67.9	68.8	101	4	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	67.8	57.0	84	68.6	56.1	82	2	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	17.9	18.2	101	18.2	20.1	111	10	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	17.9	18.1	101	18.2	21.9	121	19	40-150	30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	179	172	96	182	196	108	13	40-150	30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	179	170	95	182	194	107	13	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	35.9	45.3	126	36.3	48.5	134	7	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	35.9	40.0	111	36.3	42.3	116	6	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	31.9	30.5	96	32.3	33.1	102	8	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	35.9	38.7	108	36.3	42.8	118	10	40-150	30
3-Perfluoropropyl Propanoic Acid	ND	89.7	129	144	90.8	137	151 Q	6	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER ()
Lab Sample ID	: L2447503-07	**Analysis Date**	: 09/17/24 09:04
Matrix Spike	: WG1971858-4	**MS Analysis Date**	: 09/17/24 09:17
Matrix Spike Dup	: WG1971858-5	**MSD Analysis Date**	: 09/17/24 09:30

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(3:3FTCA)										
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	448	447	100	454	481	106	7	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	448	335	75	454	368	81	9	40-150	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
MW-1S (L2447503-01)	88	73	88	195	111	115	86
MW-5S (L2447503-05)	91	98	93	108	87	89	88
MW-7S (L2447503-07)	80	69	77	153	87	85	72
MW-8S (L2447503-08)	85	76	87	178	94	92	81
DUP (L2447503-09)	82	93	81	83	87	82	81
FIELD BLANK (L2447503-10)	88	104	82	87	80	88	81
EQUIPMENT BLANK (L2447503-11)	76	89	69	72	75	77	71
WG1971858-1BLANK	89	99	82	87	83	84	78
WG1971858-2LCS	86	93	84	80	81	79	80
WG1971858-3LCS	88	104	85	89	91	92	86
MW-7SMS	90	75	89	182	106	104	87
MW-7SMSD	84	68	83	164	93	93	81

QC LIMITS

(41-123) S1 = PERFLUORO[13C4]BUTANOIC ACID (MPFBA)
(29-123) S2 = PERFLUORO[13C5]PENTANOIC ACID (M5PFPEA)
(41-125) S3 = PERFLUORO[2,3,4-13C3]BUTANESULFONIC ACID (M3PFBS)
(10-290) S4 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]HEXANESULFONIC ACID (M2-4:2FTS)
(40-121) S5 = PERFLUORO[1,2,3,4,6-13C5]HEXANOIC ACID (M5PFHXA)
(27-156) S6 = PERFLUORO[1,2,3,4-13C4]HEPTANOIC ACID (M4PFHPA)
(46-115) S7 = PERFLUORO[1,2,3-13C3]HEXANESULFONIC ACID (M3PFHXS)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
MW-1S (L2447503-01)	62	229	80	79	78	165	55
MW-5S (L2447503-05)	94	79	77	70	67	73	43
MW-7S (L2447503-07)	69	87	71	65	66	84	36
MW-8S (L2447503-08)	77	92	77	71	73	101	40
DUP (L2447503-09)	87	71	66	60	58	57	34
FIELD BLANK (L2447503-10)	94	71	79	71	75	79	38
EQUIPMENT BLANK (L2447503-11)	84	67	77	71	71	69	40
WG1971858-1BLANK	92	73	84	82	83	83	37
WG1971858-2LCS	90	71	83	75	79	72	34
WG1971858-3LCS	87	78	88	79	83	80	40
MW-7SMS	76	119	91	83	85	121	50
MW-7SMSD	70	104	84	68	73	94	47

QC LIMITS

(39-121) S8 = PERFLUORO[13C8]OCTANOIC ACID (M8PFOA)
(10-261) S9 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
(38-114) S10 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
(32-114) S11 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
(28-115) S12 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
(10-213) S13 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
(10-172) S14 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()
MW-1S (L2447503-01)	87	89	99	124	97	108	59
MW-5S (L2447503-05)	65	77	63	86	62	93	63
MW-7S (L2447503-07)	61	56	56	78	55	82	55
MW-8S (L2447503-08)	65	61	58	78	53	89	57
DUP (L2447503-09)	51	63	49	67	50	88	60
FIELD BLANK (L2447503-10)	75	77	63	93	65	91	60
EQUIPMENT BLANK (L2447503-11)	69	77	60	89	62	81	63
WG1971858-1BLANK	83	83	68	107	80	89	62
WG1971858-2LCS	80	78	63	100	74	85	63
WG1971858-3LCS	86	75	67	107	78	93	67
MW-7SMS	81	76	86	108	78	95	77
MW-7SMSD	68	66	71	85	64	88	71

QC LIMITS

(16-123) S15 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)
(14-108) S16 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(10-150) S17 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(10-126) S18 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(10-145) S19 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)
(35-142) S20 = 2,3,3,3-TETRAFLUORO-2-[1,1,2,2,3,3,3-HEPTAFLUOROPROPOXY]-13C3-PROPANOIC ACID (M3HFPO-DA)
(11-94) S21 = N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDE (D3-NMEFOSA)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S22 ()	S23 ()	S24 ()	S25 ()	S26 ()	S27 ()	S28 ()	TOT OUT
MW-1S (L2447503-01)	54	69	69	--	--	--	--	0
MW-5S (L2447503-05)	60	83	82	--	--	--	--	0
MW-7S (L2447503-07)	54	62	63	--	--	--	--	0
MW-8S (L2447503-08)	52	64	66	--	--	--	--	0
DUP (L2447503-09)	53	69	69	--	--	--	--	0
FIELD BLANK (L2447503-10)	56	80	84	--	--	--	--	0
EQUIPMENT BLANK (L2447503-11)	55	76	77	--	--	--	--	0
WG1971858-1BLANK	57	89	88	--	--	--	--	0
WG1971858-2LCS	59	85	81	--	--	--	--	0
WG1971858-3LCS	62	83	84	--	--	--	--	0
MW-7SMS	75	83	88	--	--	--	--	0
MW-7SMSD	67	72	73	--	--	--	--	0

QC LIMITS

(11-97) **S22 = N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDE (D5-NETFOSA)**
(10-137) **S23 = 2-(N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D7-NMEFOSE)**
(10-130) **S24 = 2-(N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D9-NETFOSE)**

*** Values outside of QC limits**

FORM II A2-1633-DRAFT (Continued)

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1971858-1	**Lab File ID**	: SCI05_240917_15.wiff
Instrument ID	: LCMS05	**Extraction Date**	: 09/15/24
Matrix	: WATER	**Analysis Date**	: 09/17/24 08:01
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1971858-2LCS	WG1971858-2	09/17/24 08:13
WG1971858-3LCS	WG1971858-3	09/17/24 08:26
MW-1S	L2447503-01	09/17/24 08:39
MW-5S	L2447503-05	09/17/24 08:52
MW-7S	L2447503-07	09/17/24 09:04
MW-7SMS	WG1971858-4	09/17/24 09:17
MW-7SMSD	WG1971858-5	09/17/24 09:30
MW-8S	L2447503-08	09/17/24 09:43
DUP	L2447503-09	09/17/24 09:55
FIELD BLANK	L2447503-10	09/17/24 10:43
EQUIPMENT BLANK	L2447503-11	09/17/24 10:56

Method: EPA 1633
Matrix: Aqueous
SOP ID / Revision: 45852, Rev 1

Method Detection Limit (MDLs)

Alpha Analytical, Inc.
Mansfield, MA

Instrument(s): LCMS05
Analyst: PB
Date(s): 3/2/22 - 3/4/22

EPA 1633, Aqueous Compound	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	MDLb	MDL	ML
PFBA	ng/L	3.20	4.15	130%	0.325	7	3.143	1.02	N/A	1.02	4.0
PFPeA	ng/L	1.60	2.30	144%	0.272	7	3.143	0.855	N/A	0.855	4.0
PFHxA	ng/L	0.80	1.26	157%	0.151	7	3.143	0.475	N/A	0.475	2.0
PFHpA	ng/L	0.80	1.15	144%	0.102	7	3.143	0.320	N/A	0.320	2.0
PFOA	ng/L	0.80	1.06	133%	0.220	7	3.143	0.692	N/A	0.692	2.0
PFNA	ng/L	0.80	1.07	134%	0.159	7	3.143	0.500	N/A	0.500	2.0
PFDA	ng/L	0.80	1.04	130%	0.207	7	3.143	0.649	N/A	0.649	2.0
PFUnA	ng/L	0.80	1.20	150%	0.222	7	3.143	0.696	N/A	0.696	2.0
PFDoA	ng/L	0.80	1.26	157%	0.234	7	3.143	0.736	N/A	0.736	2.0
PFTrDA	ng/L	0.80	1.04	130%	0.190	7	3.143	0.599	N/A	0.599	2.0
PFTeDA	ng/L	0.80	1.29	161%	0.134	7	3.143	0.421	N/A	0.421	2.0
PFBS	ng/L	0.71	1.06	150%	0.171	7	3.143	0.538	N/A	0.538	2.0
PFPeS	ng/L	0.75	1.02	135%	0.089	7	3.143	0.280	N/A	0.280	2.0
PFHxS	ng/L	0.73	1.07	147%	0.121	7	3.143	0.380	N/A	0.380	2.0
PFHpS	ng/L	0.76	1.15	151%	0.137	7	3.143	0.432	N/A	0.432	2.0
PFOS	ng/L	0.74	1.20	162%	0.231	7	3.143	0.726	N/A	0.726	2.0
PFNS	ng/L	0.77	1.06	138%	0.158	7	3.143	0.497	N/A	0.497	2.0
PFDS	ng/L	0.77	1.05	136%	0.117	7	3.143	0.368	N/A	0.368	2.0
PFDoS	ng/L	0.78	1.10	141%	0.194	7	3.143	0.611	N/A	0.611	2.0
4:2FTS	ng/L	3.00	4.16	139%	0.533	7	3.143	1.67	N/A	1.67	8.0
6:2FTS	ng/L	3.04	4.61	152%	0.618	7	3.143	1.94	2.16	2.16	8.0
8:2FTS	ng/L	3.07	4.64	151%	0.792	7	3.143	2.49	N/A	2.49	10.0
PFOSA	ng/L	0.80	1.07	134%	0.137	7	3.143	0.432	N/A	0.432	2.0
NMeFOSA	ng/L	0.80	1.23	154%	0.221	7	3.143	0.694	N/A	0.694	2.0
NEtFOSA	ng/L	0.80	1.26	157%	0.234	7	3.143	0.736	N/A	0.736	2.0
NMeFOSAA	ng/L	0.80	1.49	186%	0.277	7	3.143	0.869	N/A	0.869	4.0
NEtFOSAA	ng/L	0.80	0.95	119%	0.275	7	3.143	0.864	N/A	0.864	4.0
NMeFOSE	ng/L	8.00	10.63	133%	1.20	7	3.143	3.76	N/A	3.76	16.0
NEtFOSE	ng/L	8.00	11.15	139%	0.623	7	3.143	1.96	N/A	1.96	8.0
HFPO-DA	ng/L	3.20	2.53	79%	0.284	7	3.143	0.893	N/A	0.893	4.0
ADONA	ng/L	3.02	2.14	71%	0.322	7	3.143	1.01	N/A	1.01	4.0
9Cl-PF3ONS	ng/L	2.99	2.13	71%	0.420	7	3.143	1.32	N/A	1.32	4.0
11Cl-PF3OUdS	ng/L	3.02	2.09	69%	0.419	7	3.143	1.32	N/A	1.32	4.0
3:3FTCA	ng/L	4.00	7.76	194%	0.839	7	3.143	2.64	N/A	2.64	10.0
5:3FTCA	ng/L	20.0	38.3	192%	2.98	7	3.143	9.36	N/A	9.36	40.0
7:3FTCA	ng/L	20.0	31.7	159%	2.01	7	3.143	6.31	N/A	6.31	20.0
PFEESA	ng/L	1.42	1.89	132%	0.112	7	3.143	0.351	N/A	0.351	2.0
PFMPA	ng/L	1.60	1.94	121%	0.144	7	3.143	0.452	N/A	0.452	2.0
PFMBA	ng/L	1.60	1.83	114%	0.134	7	3.143	0.421	N/A	0.421	2.0
NFDHA	ng/L	1.60	1.91	119%	0.601	7	3.143	1.89	N/A	1.89	8.0

Comments:

Prep Method: EPA 1633
Initial Weight / Volume: 500 mL
Final Volume: 4 mL

QA Review: JRH
Approval Date:: 9/26/2022

Method Detection Limit (MDLs)

Alpha Analytical, Inc.
Mansfield, MA

EPA 1633, Aqueous		LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05
		WG1608884-1	WG1608884-2	WG1597410-5	WG1597410-6	WG1597410-7	WG1610804-1	WG1610804-2
Compound	**Units**	3/2/2022	3/2/2022	3/3/2022	3/3/2022	3/3/2022	3/4/2022	3/4/2022
PFBA	ng/L	3.84	3.76	4.48	4.40	4.56	4.00	4.00
PFPeA	ng/L	1.76	2.16	2.48	2.48	2.56	2.32	2.32
PFHxA	ng/L	1.12	1.20	1.44	1.44	1.28	1.04	1.28
PFHpA	ng/L	0.96	1.12	1.20	1.28	1.12	1.20	1.20
PFOA	ng/L	0.96	1.20	1.12	1.20	1.36	0.88	0.72
PFNA	ng/L	0.88	0.88	1.20	1.20	1.28	1.04	1.04
PFDA	ng/L	0.88	0.88	1.20	1.44	0.96	0.96	0.96
PFUnA	ng/L	1.04	1.20	1.12	1.68	1.20	1.04	1.12
PFDoA	ng/L	0.88	1.20	1.52	1.44	1.44	1.04	1.28
PFTrDA	ng/L	0.96	0.88	1.20	1.20	1.20	1.12	0.72
PFTeDA	ng/L	1.20	1.12	1.36	1.28	1.20	1.36	1.52
PFBS	ng/L	1.12	1.12	1.04	0.96	1.36	0.80	1.04
PFPeS	ng/L	0.96	1.04	0.96	1.12	1.12	0.88	1.04
PFHxS	ng/L	1.04	1.04	0.96	1.28	1.04	0.96	1.20
PFHpS	ng/L	0.96	1.12	1.28	1.36	1.12	1.20	1.04
PFOS	ng/L	0.96	1.12	1.12	1.60	1.28	0.96	1.36
PFNS	ng/L	0.88	0.88	1.12	1.12	1.20	0.96	1.28
PFDS	ng/L	0.96	1.04	0.96	1.12	1.28	0.96	1.04
PFDoS	ng/L	0.96	1.20	1.04	1.28	1.36	1.04	0.80
4:2FTS	ng/L	3.36	3.92	4.88	4.56	4.56	3.76	4.08
6:2FTS	ng/L	4.00	3.92	4.64	5.76	4.88	4.40	4.64
8:2FTS	ng/L	3.92	3.84	5.76	4.24	5.68	4.72	4.32
PFOSA	ng/L	0.88	0.96	1.12	1.20	1.20	1.20	0.96
NMeFOSA	ng/L	1.12	1.04	1.28	1.28	1.68	1.20	1.04
NEtFOSA	ng/L	0.88	1.12	1.52	1.12	1.28	1.52	1.36
NMeFOSAA	ng/L	1.12	1.28	1.28	1.68	1.76	1.84	1.44
NEtFOSAA	ng/L	1.04	1.28	1.20	1.12	0.64	0.64	0.72
NMeFOSE	ng/L	9.28	9.76	11.52	10.48	12.32	11.60	9.44
NEtFOSE	ng/L	10.24	10.72	11.36	11.68	12.08	10.80	11.20
HFPO-DA	ng/L	2.96	2.80	2.24	2.16	2.48	2.56	2.48
ADONA	ng/L	2.48	2.40	1.84	1.76	1.84	2.48	2.16
9Cl-PF3ONS	ng/L	2.56	2.64	1.76	1.68	1.68	2.40	2.16
11Cl-PF3OUdS	ng/L	2.64	2.48	1.84	1.68	1.52	2.24	2.24
3:3FTCA	ng/L	6.24	8.32	7.44	8.80	7.92	7.36	8.24
5:3FTCA	ng/L	34.08	35.68	42.80	41.04	38.32	38.80	37.60
7:3FTCA	ng/L	29.44	33.20	30.40	30.24	32.40	35.20	31.20
PFEESA	ng/L	1.92	2.00	1.84	1.84	1.68	1.92	2.00
PFMPA	ng/L	1.68	1.84	2.08	2.00	1.92	2.00	2.08
PFMBA	ng/L	1.60	1.76	1.84	2.00	1.92	1.76	1.92
NFDHA	ng/L	1.76	1.44	2.24	2.80	2.48	1.28	1.36

Method Detection Limit - Method Blanks (MDLb)

Alpha Analytical, Inc.
Mansfield, MA

EPA 1633, Aqueous Compound	Units	Mean (x)	Standard Deviation (S)	Number of Blanks	Student-t Value (t)	x + S * t	Highest Value	99th Percentile	MDLb	ML	Comments
PFBA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
PFPeA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
PFHxA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFHpA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFOA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFNA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFDA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFUnA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFDoA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFTrDA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFTeDA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFBS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFPeS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFHxS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFHpS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFOS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFNS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFDS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFDoS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
4:2FTS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	4.0	
6:2FTS	ng/L	1.093	0.927	7	3.143	N/A	2.16	N/A	2.16	4.0	
8:2FTS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	5.0	
FOSA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
NMeFOSA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
NEtFOSA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
NMeFOSAA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
NEtFOSAA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
NMeFOSE	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	8.0	
NEtFOSE	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	4.0	
HFPO-DA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
ADONA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
9Cl-PF3ONS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
11Cl-PF3OUdS	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2.0	
3:3FTCA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	5.0	
5:3FTCA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	20.0	
7:3FTCA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	10.0	
PFEESA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFMPA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
PFMBA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1.0	
NFDHA	ng/L	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	4.0	

Comments: _____

Method Detection Limit - Method Blanks (MDLb)

Alpha Analytical, Inc.
Mansfield, MA

EPA 1633, Aqueous		LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05
		L2205090-06	L2205090-07	L2205090-03	L2205090-04	L2205090-05	L2205090-08	L2205090-09
Compound	**Units**	3/2/2022	3/2/2022	3/3/2022	3/3/2022	3/3/2022	3/4/2022	3/4/2022
PFBA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFPeA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFHxA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFHpA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFOA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFNA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFDA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFUnA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFDoA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFTrDA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFTeDA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFBS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFPeS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFHxS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFHpS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFOS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFNS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFDS	ng/L	ND	ND	ND	ND	ND	ND	ND
PFDoS	ng/L	ND	ND	ND	ND	ND	ND	ND
4:2FTS	ng/L	ND	ND	ND	ND	ND	ND	ND
6:2FTS	ng/L	2.16	0.64	0.48	ND	ND	ND	ND
8:2FTS	ng/L	ND	ND	ND	ND	ND	ND	ND
FOSA	ng/L	ND	ND	ND	ND	ND	ND	ND
NMeFOSA	ng/L	ND	ND	ND	ND	ND	ND	ND
NEtFOSA	ng/L	ND	ND	ND	ND	ND	ND	ND
NMeFOSAA	ng/L	ND	ND	ND	ND	ND	ND	ND
NEtFOSAA	ng/L	ND	ND	ND	ND	ND	ND	ND
NMeFOSE	ng/L	ND	ND	ND	ND	ND	ND	ND
NEtFOSE	ng/L	ND	ND	ND	ND	ND	ND	ND
HFPO-DA	ng/L	ND	ND	ND	ND	ND	ND	ND
ADONA	ng/L	ND	ND	ND	ND	ND	ND	ND
9Cl-PF3ONS	ng/L	ND	ND	ND	ND	ND	ND	ND
11Cl-PF3OUdS	ng/L	ND	ND	ND	ND	ND	ND	ND
3:3FTCA	ng/L	ND	ND	ND	ND	ND	ND	ND
5:3FTCA	ng/L	ND	ND	ND	ND	ND	ND	ND
7:3FTCA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFEESA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFMPA	ng/L	ND	ND	ND	ND	ND	ND	ND
PFMBA	ng/L	ND	ND	ND	ND	ND	ND	ND
NFDHA	ng/L	ND	ND	ND	ND	ND	ND	ND

Method: EPA 1633
Matrix: Soil
SOP ID / Revision: 45852, Rev 2

Method Detection Limit - Method Blanks (MDLb)

Alpha Analytical, Inc.
Mansfield, MA

Instrument(s): LCMS05
Analyst: PB
Date(s): 4/1/22 - 4/6/22

EPA 1633, Soil Compound	Units	Mean (x)	Standard Deviation (S)	Number of Blanks	Student-t Value (t)	x + S * t	Highest Value	99th Percentile	MDLb	RL	Comments
PFBA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
PFPeA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.4	
PFHxA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFHpA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFOA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFNA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFDA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFUnA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFDoA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFTrDA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFTeDA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFBS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFPeS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFHxS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFHpS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFOS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFNS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFDS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
PFDoS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
4:2FTS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
6:2FTS	ng/g	0.163	0.046	7	3.143	N/A	0.22	N/A	0.22	0.8	
8:2FTS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
PFOSA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
NMeFOSA	ng/g	N/A	N/A	7	3.143	N/A	0.10	N/A	0.10	0.2	
NEtFOSA	ng/g	N/A	N/A	7	3.143	N/A	0.10	N/A	0.10	0.2	
NMeFOSAA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
NEtFOSAA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.2	
NMeFOSE	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	2	
NEtFOSE	ng/g	N/A	N/A	7	3.143	N/A	0.03	N/A	0.03	2	
HFPO-DA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
ADONA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
9Cl-PF3ONS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
11Cl-PF3OUdS	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.8	
3:3FTCA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	1	
5:3FTCA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	5	
7:3FTCA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	5	
PFEESA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.4	
PFMPA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.4	
PFMBA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.4	
NFDHA	ng/g	N/A	N/A	7	3.143	N/A	0.00	N/A	N/A	0.4	

Comments: _____

Prep Method: EPA 1633
Initial Weight / Volume: 5 g
Final Volume: 4 mL

QA Review: JH
Effective Date:: 4/6/2022

Method: EPA 1633
Matrix: Soil
SOP ID / Revision: 45852, Rev 2

Method Detection Limit - Method Blanks (MDLb)

Alpha Analytical, Inc.
Mansfield, MA

Instrument(s): LCMS05
Analyst: PB
Date(s): 4/1/22 - 4/6/22

EPA 1633, Soil		LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05
		L2205100-03	L2205100-04	L2205100-05	L2205100-06	L2205100-07	L2205100-08	L2205100-09
Compound	**Units**	4/1/2022	4/1/2022	4/1/2022	4/4/2022	4/4/2022	4/6/2022	4/6/2022
PFBA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFPeA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFHxA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFHpA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFOA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFNA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFDA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFUnA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFDoA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFTrDA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFTeDA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFBS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFPeS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFHxS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFHpS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFOS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFNS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFDS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFDoS	ng/g	ND	ND	ND	ND	ND	ND	ND
4:2FTS	ng/g	ND	ND	ND	ND	ND	ND	ND
6:2FTS	ng/g	0.146	0.127	0.215	ND	ND	ND	ND
8:2FTS	ng/g	ND	ND	ND	ND	ND	ND	ND
PFOSA	ng/g	ND	ND	ND	ND	ND	ND	ND
NMeFOSA	ng/g	ND	ND	ND	ND	ND	0.104	0.104
NEtFOSA	ng/g	ND	ND	ND	0.088	0.064	0.104	0.064
NMeFOSAA	ng/g	ND	ND	ND	ND	ND	ND	ND
NEtFOSAA	ng/g	ND	ND	ND	ND	ND	ND	ND
NMeFOSE	ng/g	ND	ND	ND	ND	ND	ND	ND
NEtFOSE	ng/g	ND	ND	0.032	ND	ND	ND	ND
HFPO-DA	ng/g	ND	ND	ND	ND	ND	ND	ND
ADONA	ng/g	ND	ND	ND	ND	ND	ND	ND
9Cl-PF3ONS	ng/g	ND	ND	ND	ND	ND	ND	ND
11Cl-PF3OUdS	ng/g	ND	ND	ND	ND	ND	ND	ND
3:3FTCA	ng/g	ND	ND	ND	ND	ND	ND	ND
5:3FTCA	ng/g	ND	ND	ND	ND	ND	ND	ND
7:3FTCA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFEESA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFMPA	ng/g	ND	ND	ND	ND	ND	ND	ND
PFMBA	ng/g	ND	ND	ND	ND	ND	ND	ND
NFDHA	ng/g	ND	ND	ND	ND	ND	ND	ND

Prep Method: EPA 1633
Initial Weight / Volume: 5 g
Final Volume: 4 mL

QA Review: JH
Effective Date:: 4/6/2022

Method Detection Limit (MDLs)

Alpha Analytical, Inc.
Mansfield, MA

EPA 1633, Soil Compound	Units	Target Concentration	Mean (x)	% Recovery	Standard Deviation (S)	Number of Replicates	Student t-value (t)	MDLs	MDLb	MDL	RL
PFBA	ng/g	0.320	0.341	106%	0.016	7	3.143	0.051	N/A	0.051	0.8
PFPeA	ng/g	0.160	0.178	111%	0.017	7	3.143	0.054	N/A	0.054	0.4
PFHxA	ng/g	0.080	0.101	126%	0.015	7	3.143	0.047	N/A	0.047	0.2
PFHpA	ng/g	0.080	0.094	118%	0.007	7	3.143	0.024	N/A	0.024	0.2
PFOA	ng/g	0.080	0.111	139%	0.016	7	3.143	0.050	N/A	0.050	0.2
PFNA	ng/g	0.080	0.109	136%	0.025	7	3.143	0.079	N/A	0.079	0.2
PFDA	ng/g	0.080	0.108	135%	0.023	7	3.143	0.072	N/A	0.072	0.2
PFUnA	ng/g	0.080	0.082	102%	0.016	7	3.143	0.052	N/A	0.052	0.2
PFDoA	ng/g	0.080	0.093	116%	0.012	7	3.143	0.039	N/A	0.039	0.2
PFTrDA	ng/g	0.080	0.081	101%	0.017	7	3.143	0.053	N/A	0.053	0.2
PFTeDA	ng/g	0.080	0.100	125%	0.033	7	3.143	0.105	N/A	0.105	0.2
PFBS	ng/g	0.071	0.078	109%	0.013	7	3.143	0.040	N/A	0.040	0.2
PFPeS	ng/g	0.075	0.086	114%	0.007	7	3.143	0.022	N/A	0.022	0.2
PFHxS	ng/g	0.073	0.098	133%	0.018	7	3.143	0.057	N/A	0.057	0.2
PFHpS	ng/g	0.076	0.090	118%	0.012	7	3.143	0.037	N/A	0.037	0.2
PFOS	ng/g	0.074	0.122	164%	0.024	7	3.143	0.076	N/A	0.076	0.2
PFNS	ng/g	0.077	0.078	101%	0.014	7	3.143	0.045	N/A	0.045	0.2
PFDS	ng/g	0.077	0.088	113%	0.010	7	3.143	0.032	N/A	0.032	0.2
PFDoS	ng/g	0.078	0.075	97%	0.011	7	3.143	0.034	N/A	0.034	0.2
4:2FTS	ng/g	0.300	0.353	118%	0.026	7	3.143	0.080	N/A	0.08	0.8
6:2FTS	ng/g	0.304	0.421	138%	0.065	7	3.143	0.203	0.28	0.28	0.8
8:2FTS	ng/g	0.307	0.412	134%	0.123	7	3.143	0.387	N/A	0.39	0.8
PFOSA	ng/g	0.080	0.092	116%	0.013	7	3.143	0.040	N/A	0.040	0.2
NMeFOSA	ng/g	0.080	0.106	132%	0.021	7	3.143	0.065	0.10	0.104	0.2
NEtFOSA	ng/g	0.080	0.131	163%	0.035	7	3.143	0.111	0.10	0.111	0.2
NMeFOSAA	ng/g	0.080	0.097	122%	0.031	7	3.143	0.098	N/A	0.098	0.2
NEtFOSAA	ng/g	0.080	0.090	113%	0.026	7	3.143	0.081	N/A	0.081	0.2
NMeFOSE	ng/g	0.800	0.888	111%	0.079	7	3.143	0.248	N/A	0.25	2
NEtFOSE	ng/g	0.800	0.950	119%	0.163	7	3.143	0.513	0.03	0.51	2
HFPO-DA	ng/g	0.320	0.368	115%	0.030	7	3.143	0.095	N/A	0.095	0.8
ADONA	ng/g	0.302	0.394	130%	0.047	7	3.143	0.146	N/A	0.146	0.8
9Cl-PF3ONS	ng/g	0.299	0.360	120%	0.062	7	3.143	0.194	N/A	0.194	0.8
11Cl-PF3OUdS	ng/g	0.302	0.369	122%	0.054	7	3.143	0.170	N/A	0.170	0.8
3:3FTCA	ng/g	0.400	0.382	95%	0.047	7	3.143	0.148	N/A	0.15	1
5:3FTCA	ng/g	2.000	1.85	93%	0.161	7	3.143	0.506	N/A	0.51	5
7:3FTCA	ng/g	2.000	1.96	98%	0.560	7	3.143	1.76	N/A	1.76	5
PFEESA	ng/g	0.142	0.183	129%	0.027	7	3.143	0.086	N/A	0.086	0.4
PFMPA	ng/g	0.160	0.173	108%	0.012	7	3.143	0.038	N/A	0.038	0.4
PFMBA	ng/g	0.160	0.166	104%	0.010	7	3.143	0.032	N/A	0.032	0.4
NFDHA	ng/g	0.160	0.169	106%	0.030	7	3.143	0.096	N/A	0.096	0.4

Comments: _____

Method: EPA 1633
Matrix: Soil
SOP ID / Revision: 45852, Rev 2

Method Detection Limit (MDLs)

Alpha Analytical, Inc.
Mansfield, MA

Instrument(s): LCMS05
Analyst: PB
Date(s): 4/1/22 - 4/6/22

EPA 1633, Soil		LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05	LCMS05
		WG1620579-1	WG1620579-2	WG1620579-3	WG1621903-1	WG1621903-2	WG1621922-1	WG1621922-2
Compound	**Units**	4/1/2022	4/1/2022	4/1/2022	4/4/2022	4/4/2022	4/6/2022	4/6/2022
PFBA	ng/g	0.35	0.31	0.33	0.36	0.35	0.34	0.34
PFPeA	ng/g	0.18	0.16	0.17	0.17	0.16	0.21	0.19
PFHxA	ng/g	0.09	0.09	0.11	0.09	0.10	0.10	0.13
PFHpA	ng/g	0.09	0.09	0.09	0.10	0.10	0.09	0.10
PFOA	ng/g	0.13	0.10	0.12	0.14	0.11	0.10	0.10
PFNA	ng/g	0.12	0.09	0.09	0.10	0.10	0.11	0.16
PFDA	ng/g	0.09	0.12	0.07	0.13	0.12	0.11	0.12
PFUnA	ng/g	0.08	0.08	0.06	0.06	0.08	0.09	0.11
PFDoA	ng/g	0.10	0.10	0.07	0.11	0.10	0.08	0.10
PFTrDA	ng/g	0.07	0.08	0.08	0.06	0.11	0.07	0.10
PFTeDA	ng/g	0.09	0.06	0.08	0.11	0.09	0.10	0.17
PFBS	ng/g	0.09	0.07	0.07	0.09	0.07	0.09	0.06
PFPeS	ng/g	0.09	0.08	0.08	0.08	0.10	0.09	0.09
PFHxS	ng/g	0.12	0.08	0.08	0.12	0.10	0.10	0.09
PFHpS	ng/g	0.09	0.09	0.08	0.10	0.08	0.08	0.11
PFOS	ng/g	0.13	0.12	0.07	0.14	0.12	0.12	0.15
PFNS	ng/g	0.07	0.08	0.05	0.09	0.09	0.07	0.10
PFDS	ng/g	0.08	0.08	0.07	0.09	0.10	0.09	0.10
PFDoS	ng/g	0.08	0.06	0.07	0.09	0.08	0.06	0.08
4:2FTS	ng/g	0.36	0.32	0.33	0.36	0.35	0.35	0.40
6:2FTS	ng/g	0.47	0.46	0.52	0.37	0.35	0.36	0.42
8:2FTS	ng/g	0.66	0.39	0.32	0.46	0.40	0.33	0.32
PFOSA	ng/g	0.11	0.08	0.08	0.10	0.10	0.09	0.10
NMeFOSA	ng/g	0.12	0.08	0.08	0.14	0.11	0.11	0.10
NEtFOSA	ng/g	0.11	0.11	0.10	0.20	0.12	0.15	0.13
NMeFOSAA	ng/g	0.16	0.10	0.07	0.09	0.11	0.06	0.09
NEtFOSAA	ng/g	0.10	0.08	0.09	0.04	0.11	0.12	0.09
NMeFOSE	ng/g	0.82	0.83	0.79	0.92	0.98	1.00	0.87
NEtFOSE	ng/g	0.88	0.84	0.78	1.17	1.16	0.82	1.01
HFPO-DA	ng/g	0.35	0.32	0.40	0.36	0.36	0.40	0.38
ADONA	ng/g	0.39	0.39	0.40	0.43	0.46	0.36	0.32
9Cl-PF3ONS	ng/g	0.31	0.34	0.31	0.45	0.45	0.34	0.32
11Cl-PF3OUdS	ng/g	0.33	0.32	0.32	0.44	0.45	0.38	0.34
3:3FTCA	ng/g	0.32	0.35	0.46	0.42	0.35	0.39	0.38
5:3FTCA	ng/g	1.76	1.63	1.70	1.91	1.89	2.06	2.02
7:3FTCA	ng/g	1.58	1.64	1.44	1.65	1.90	2.81	2.70
PFEESA	ng/g	0.16	0.16	0.17	0.23	0.21	0.18	0.17
PFMPA	ng/g	0.18	0.15	0.18	0.18	0.18	0.17	0.16
PFMBA	ng/g	0.16	0.15	0.18	0.18	0.16	0.18	0.16
NFDHA	ng/g	0.14	0.16	0.14	0.19	0.14	0.20	0.21

Prep Method: EPA 1633
Initial Weight / Volume: 5 g
Final Volume: 4 mL

QA Review: JH
Effective Date:: 4/6/2022

Semivolatile Sample Data

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:39
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_18	**Analyst**	: AC
Sample Amount	: 556.61 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	9.35	5.75	0.920	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	21.4	2.87	0.769	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	4.03	1.44	0.481	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.75	1.50	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	16.1	1.44	0.424	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	1.12	1.44	0.252	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	14.4	1.44	0.287	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	14.8	1.44	0.345	
335-67-1	Perfluorooctanoic Acid (PFOA)	132	1.44	0.625	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.93	5.75	1.94	J
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	1.27	1.44	0.388	J
375-95-1	Perfluorononanoic Acid (PFNA)	5.76	1.44	0.453	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	40.9	1.44	0.654	
335-76-2	Perfluorodecanoic Acid (PFDA)	4.27	1.44	0.582	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.75	2.23	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.44	0.446	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	1.64	1.44	0.783	
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.44	0.625	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:39
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_18	**Analyst**	: AC
Sample Amount	: 556.61 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.44	0.330	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	2.08	1.44	0.388	
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.18	1.44	0.776	J
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.44	0.661	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.44	0.539	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.44	0.381	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.75	0.805	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.75	0.905	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.44	0.546	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.75	1.18	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.75	1.18	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.44	0.625	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.44	0.661	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.4	3.38	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:39
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_18	**Analyst**	: AC
Sample Amount	: 556.61 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.4	1.76	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.87	0.410	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.87	0.381	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.87	0.316	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.87	1.70	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.19	2.37	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	35.9	8.41	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	35.9	5.67	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:52
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_19	**Analyst**	: AC
Sample Amount	: 532.76 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	1.21	6.01	0.961	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	1.55	3.00	0.803	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.50	0.503	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.01	1.57	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	1.64	1.50	0.443	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.50	0.263	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.16	1.50	0.300	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	1.31	1.50	0.360	J
335-67-1	Perfluorooctanoic Acid (PFOA)	2.12	1.50	0.653	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.01	2.03	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.50	0.405	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.50	0.473	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	2.19	1.50	0.683	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.50	0.608	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.01	2.34	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.50	0.466	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.50	0.818	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.50	0.653	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:52
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_19	**Analyst**	: AC
Sample Amount	: 532.76 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.50	0.345	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.50	0.405	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.50	0.811	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.50	0.691	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.50	0.563	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.50	0.398	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.01	0.841	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.01	0.946	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.50	0.571	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.01	1.24	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.01	1.24	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.50	0.653	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.50	0.691	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.0	3.53	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:52
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_19	**Analyst**	: AC
Sample Amount	: 532.76 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.0	1.84	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.00	0.428	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.00	0.398	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.00	0.330	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.00	1.77	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.51	2.48	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.5	8.78	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.5	5.92	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:04
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_20	**Analyst**	: AC
Sample Amount	: 561.47 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	10.2	5.70	0.912	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	11.9	2.85	0.762	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	3.53	1.42	0.477	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.70	1.49	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	11.2	1.42	0.420	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	1.89	1.42	0.249	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	11.9	1.42	0.285	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	14.4	1.42	0.342	
335-67-1	Perfluorooctanoic Acid (PFOA)	25.7	1.42	0.620	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.70	1.92	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.42	0.385	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.17	1.42	0.449	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	4.92	1.42	0.648	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.42	0.577	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.70	2.22	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.42	0.442	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.42	0.776	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.42	0.620	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:04
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_20	**Analyst**	: AC
Sample Amount	: 561.47 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.42	0.328	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.42	0.385	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.42	0.769	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.42	0.655	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.42	0.534	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.42	0.378	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.70	0.798	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.70	0.898	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.42	0.541	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.70	1.18	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.70	1.18	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.42	0.620	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.42	0.655	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.2	3.35	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:04
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_20	**Analyst**	: AC
Sample Amount	: 561.47 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.2	1.74	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.85	0.406	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.85	0.378	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.85	0.313	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.85	1.68	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.12	2.35	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	35.6	8.34	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	35.6	5.62	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_23	**Analyst**	: AC
Sample Amount	: 522.56 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	7.26	6.12	0.980	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	9.17	3.06	0.819	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.39	1.53	0.513	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.12	1.60	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	9.87	1.53	0.452	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	0.674	1.53	0.268	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	9.02	1.53	0.306	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	6.54	1.53	0.367	
335-67-1	Perfluorooctanoic Acid (PFOA)	32.8	1.53	0.666	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.12	2.07	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.53	0.413	U
375-95-1	Perfluorononanoic Acid (PFNA)	2.37	1.53	0.482	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	10.9	1.53	0.696	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.934	1.53	0.620	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.12	2.38	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.53	0.474	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.53	0.834	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.53	0.666	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_23	**Analyst**	: AC
Sample Amount	: 522.56 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.53	0.352	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	0.765	1.53	0.413	JF
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.53	0.827	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.53	0.704	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.53	0.574	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.53	0.406	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.12	0.857	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.12	0.964	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.53	0.582	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.12	1.26	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.12	1.26	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.53	0.666	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.53	0.704	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.3	3.60	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_23	**Analyst**	: AC
Sample Amount	: 522.56 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.3	1.88	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.06	0.436	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.06	0.406	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.06	0.337	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.06	1.81	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.65	2.53	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.3	8.96	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.3	6.04	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:55
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_24	**Analyst**	: AC
Sample Amount	: 525.51 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	1.22	6.09	0.974	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	1.59	3.04	0.814	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	0.518	1.52	0.510	J
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.09	1.59	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	1.46	1.52	0.449	J
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.52	0.266	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.23	1.52	0.304	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	1.46	1.52	0.365	J
335-67-1	Perfluorooctanoic Acid (PFOA)	2.08	1.52	0.662	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.09	2.06	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.52	0.411	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.52	0.480	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	2.25	1.52	0.693	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.52	0.616	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.09	2.37	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.52	0.472	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.52	0.830	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.52	0.662	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:55
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_24	**Analyst**	: AC
Sample Amount	: 525.51 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.52	0.350	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.52	0.411	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.52	0.822	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.52	0.700	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.52	0.571	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.52	0.403	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.09	0.852	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.09	0.959	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.52	0.578	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.09	1.26	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.09	1.26	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.52	0.662	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.52	0.700	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.2	3.58	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:55
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_24	**Analyst**	: AC
Sample Amount	: 525.51 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.2	1.86	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.04	0.434	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.04	0.403	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.04	0.335	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.04	1.80	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.61	2.51	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.0	8.90	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.0	6.00	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_27	**Analyst**	: AC
Sample Amount	: 514.19 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	6.22	0.996	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.11	0.832	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.56	0.521	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.22	1.62	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.56	0.459	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.56	0.272	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.56	0.311	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.56	0.373	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.56	0.677	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.22	2.10	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.56	0.420	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.56	0.490	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.56	0.708	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.56	0.630	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.22	2.42	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.56	0.482	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.56	0.848	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.56	0.677	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_27	**Analyst**	: AC
Sample Amount	: 514.19 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.56	0.358	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.56	0.420	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.56	0.840	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.56	0.716	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.56	0.583	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.56	0.412	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.22	0.871	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.22	0.980	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.56	0.591	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.22	1.28	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.22	1.28	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.56	0.677	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.56	0.716	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.6	3.66	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_27	**Analyst**	: AC
Sample Amount	: 514.19 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.6	1.90	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.11	0.443	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.11	0.412	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.11	0.342	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.11	1.84	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.78	2.57	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.9	9.10	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.9	6.14	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:56
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_28	**Analyst**	: AC
Sample Amount	: 494.28 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	6.47	1.04	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.24	0.866	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.62	0.542	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.47	1.69	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.62	0.477	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.62	0.283	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.62	0.324	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.62	0.388	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.62	0.704	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.47	2.18	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.62	0.437	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.62	0.510	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.62	0.736	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.62	0.655	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.47	2.52	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.62	0.502	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.62	0.882	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.62	0.704	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:56
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_28	**Analyst**	: AC
Sample Amount	: 494.28 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.62	0.372	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.62	0.437	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.62	0.874	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.62	0.744	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.62	0.607	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.62	0.429	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.47	0.906	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.47	1.02	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.62	0.615	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.47	1.34	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.47	1.34	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.62	0.704	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.62	0.744	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	16.2	3.80	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:56
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_28	**Analyst**	: AC
Sample Amount	: 494.28 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	16.2	1.98	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.24	0.461	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.24	0.429	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.24	0.356	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.24	1.91	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	8.09	2.67	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	40.5	9.47	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	40.5	6.38	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1971858-1	**Date Collected**	: NA
Client ID	: WG1971858-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/17/24 08:01
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_15	**Analyst**	: AC
Sample Amount	: 500 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	6.40	1.02	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.20	0.856	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.60	0.536	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.40	1.67	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.60	0.472	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.60	0.280	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.60	0.320	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.60	0.384	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.60	0.696	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.40	2.16	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.60	0.432	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.60	0.504	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.60	0.728	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.60	0.648	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.40	2.49	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.60	0.496	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.60	0.872	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.60	0.696	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1971858-1	**Date Collected**	: NA
Client ID	: WG1971858-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/17/24 08:01
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_15	**Analyst**	: AC
Sample Amount	: 500 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.60	0.368	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.60	0.432	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.60	0.864	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.60	0.736	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.60	0.600	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.60	0.424	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.40	0.896	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.40	1.01	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.60	0.608	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.40	1.32	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.40	1.32	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.60	0.696	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.60	0.736	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	16.0	3.76	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1971858-1	**Date Collected**	: NA
Client ID	: WG1971858-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/17/24 08:01
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_15	**Analyst**	: AC
Sample Amount	: 500 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	16.0	1.96	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.20	0.456	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.20	0.424	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.20	0.352	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.20	1.89	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	8.00	2.64	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	40.0	9.36	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	40.0	6.31	U

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: L2447503-01
Name: SCI05_240917_18.wiff
Date & Time: 2024-09-17T08:39:21
Description: WG1972379,WG1971858,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.81	213.0 / 169.0	204983		1.301	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	4.67	263.0 / 219.0	493228	M4	2.977	0.006	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	4.66	263.0 / 68.9	3202	M7	2.737	0.006	0.007	N/A	N/A
4	PFHxA	307-24-4	5.36	313.0 / 269.0	985694		2.241	0.074	0.072	Pass	N/A
5	PFHxA_2	307-24-4	5.36	313.0 / 119.0	72456		2.229	0.074	0.072	Pass	N/A
6	PFHpA	375-85-9	6.29	363.1 / 319.0	884359		2.007	0.306	0.297	Pass	N/A
7	PFHpA_2	375-85-9	6.29	363.1 / 169.0	270419		2.006	0.306	0.297	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.50	413.1 / 369.1	4659301	M5	18.451	0.403	0.586	Pass	N/A
9	PFOA_2	335-67-1	7.50	413.1 / 169.0	1877290	M7	13.569	0.403	0.586	Pass	N/A
10	PFNA	375-95-1	7.93	462.8 / 418.9	233913	M4	0.802	0.258	0.313	Pass	N/A
11	PFNA_2	375-95-1	7.93	462.8 / 218.9	60261		0.676	0.258	0.313	Pass	N/A
12	PFDA	335-76-2	8.15	513.1 / 469.1	178903		0.594	0.143	0.142	Pass	N/A
13	PFDA_2	335-76-2	8.15	513.1 / 219.0	25648		0.568	0.143	0.142	Pass	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	5.33	299.1 / 80.1	159540	M3	0.561	0.385	0.396	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.33	299.1 / 99.1	61392		0.541	0.385	0.396	Pass	N/A
24	PFPeS	2706-91-4	6.37	349.1 / 80.1	35776		0.156	0.265	0.299	Pass	N/A
25	PFPeS_2	2706-91-4	6.37	349.1 / 99.1	9496		0.137	0.265	0.299	Pass	N/A
26	PFHxS	355-46-4	7.61	399.1 / 80.1	442765	M5	2.066	0.290	0.315	Pass	N/A
27	PFHxS_2	355-46-4	7.61	399.1 / 99.1	128331	M7	1.928	0.290	0.315	Pass	N/A
28	PFHpS	375-92-8	7.99	449.1 / 80.1	35222	M4	0.177	0.247	0.287	Pass	N/A
29	PFHpS_2	375-92-8	7.99	449.1 / 99.1	8694	M7	0.149	0.247	0.287	Pass	N/A
30	PFOS	1763-23-1	8.24	499.1 / 80.1	1206323	M5	5.695	0.208	0.238	Pass	N/A
31	PFOS_2	1763-23-1	8.24	499.1 / 99.1	250333		4.823	0.208	0.238	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	7.12	427.2 / 407.2	111256		0.686	0.543	0.565	Pass	N/A
41	6:2FTS_2	27619-97-2	7.12	427.2 / 81.1	60431		0.689	0.543	0.565	Pass	N/A
42	8:2FTS	39108-34-4	8.05	527.2 / 507.2	15471		0.117	0.573	0.662	Pass	N/A
43	8:2FTS_2	39108-34-4	8.05	527.2 / 81.1	8857	M7	0.099	0.573	0.662	Pass	N/A
44	PFOSA	754-91-6	9.51	498.1 / 78.1	62495	M5	0.289	0.037	0.025	Pass	N/A
45	PFOSA_2	754-91-6	9.35	498.1 / 478.0	2316	M7	0.409	0.037	0.025	Pass	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	8.20	570.2 / 419.1	11302		0.228	0.945	0.700	Pass	N/A
51	NMeFOSAA_2	2355-31-9	8.19	570.2 / 483.0	10678	M7	0.338	0.945	0.700	Pass	N/A
52	NEtFOSAA	2991-50-6	8.33	584.2 / 419.1	10985	M4	0.164	0.609	0.487	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	8.33	584.2 / 526.2	6694	M7	0.218	0.609	0.487	Pass	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	5.62	285.0 / 169.0	8529		0.040	0.442	0.464	Pass	N/A
57	HFPO-DA_2	13252-13-6	5.62	285.0 / 184.9	3769	M7	0.038	0.442	0.464	Pass	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	7.21	341.1 / 237.1	22489		0.282	0.943	0.953	Pass	N/A
67	5:3FTCA_2	914637-49-3	7.21	341.1 / 217.0	21205		0.281	0.943	0.953	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	8.19	441.1 / 316.9	18926		0.213	1.254	1.558	Pass	N/A
69	7:3FTCA_2	812-70-4	8.19	441.1 / 337.1	23732		0.184	1.254	1.558	Pass	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.80	217.0 / 172.0	1942651		8.756	NA	NA	NA	87.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.66	268.0 / 223.0	898578		3.627	NA	NA	NA	72.5
	13C5-PFHxA	EIS	5.35	318.0 / 273.0	902557		2.774	NA	NA	NA	110.9
	13C4-PFHpA	EIS	6.28	367.0 / 322.0	940538		2.887	NA	NA	NA	115.5
	13C8-PFOA	EIS	7.50	421.0 / 376.0	1213378		1.550	NA	NA	NA	62.0
	13C9-PFNA	EIS	7.92	472.0 / 427.0	498060		0.999	NA	NA	NA	79.9
	13C6-PFDA	EIS	8.15	519.0 / 474.0	436943		0.973	NA	NA	NA	77.9
	13C7-PFUnA	EIS	8.42	570.0 / 525.0	395365		1.088	NA	NA	NA	87.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	367317		1.555	NA	NA	NA	124.4
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	311945		1.216	NA	NA	NA	97.3
	13C3-PFBS	EIS	5.32	302.1 / 80.1	678417		2.058	NA	NA	NA	88.3
	13C3-PFHxS	EIS	7.60	402.1 / 80.1	536826		2.050	NA	NA	NA	86.5
	13C8-PFOS	EIS	8.23	507.1 / 80.1	515721		1.887	NA	NA	NA	78.8
	13C2-4:2FTS	EIS	5.15	329.1 / 81.1	537005		9.128	NA	NA	NA	194.6
	13C2-6:2FTS	EIS	7.12	429.2 / 81.1	470190		10.906	NA	NA	NA	229.4
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	500261	M4	7.928	NA	NA	NA	165.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.51	506.1 / 78.1	807678		2.223	NA	NA	NA	88.9
	d3-NMeFOSA	EIS	10.14	515.2 / 219.0	90847		1.486	NA	NA	NA	59.4
	d5-NEtFOSA	EIS	10.35	531.2 / 219.0	80780		1.352	NA	NA	NA	54.1
	d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	377062		2.727	NA	NA	NA	54.5
	d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	358468		4.934	NA	NA	NA	98.7
	d7-NMeFOSE	EIS	10.05	623.2 / 58.9	813733		17.230	NA	NA	NA	68.9
	d9-NEtFOSE	EIS	10.24	639.2 / 58.9	1195445		17.168	NA	NA	NA	68.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.62	287.0 / 169.0	2321805		10.767	NA	NA	NA	107.7
	13C3-PFBA	NIS	2.80	216.0 / 172.0	970565		4.539	NA	NA	NA	90.8
	13C2-PFHxA	NIS	5.35	315.0 / 270.0	966169		1.973	NA	NA	NA	78.9
	13C4-PFOA	NIS	7.50	417.0 / 372.0	1024187		3.272	NA	NA	NA	130.9
	13C5-PFNA	NIS	7.92	468.0 / 423.0	607707		1.110	NA	NA	NA	88.8
	13C2-PFDA	NIS	8.14	515.1 / 470.1	527360		1.029	NA	NA	NA	82.3
	18O2-PFHxS	NIS	7.60	403.1 / 84.1	532196		2.272	NA	NA	NA	95.9
	13C4-PFOS	NIS	8.23	503.1 / 80.1	483382		2.296	NA	NA	NA	95.9

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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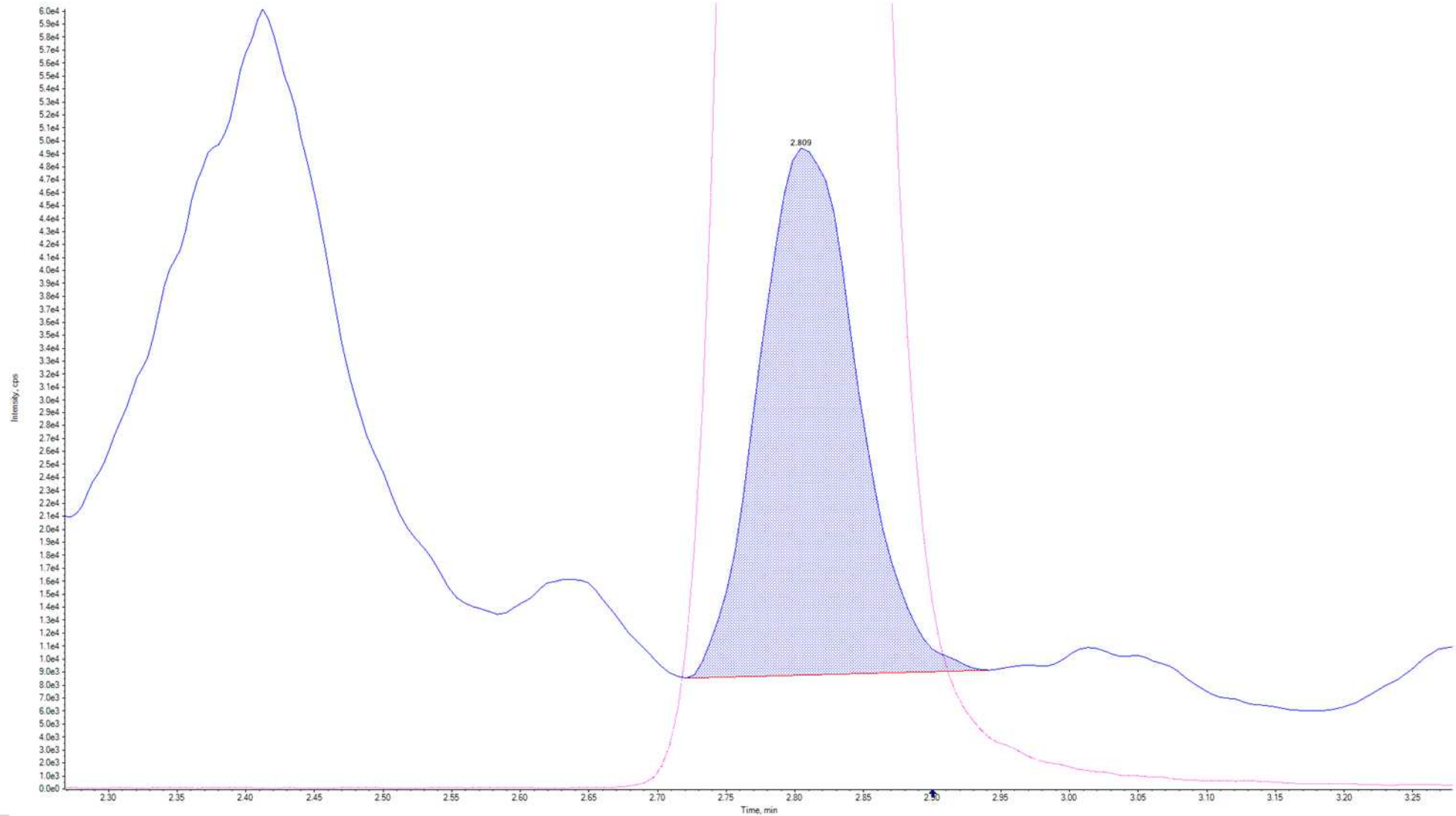
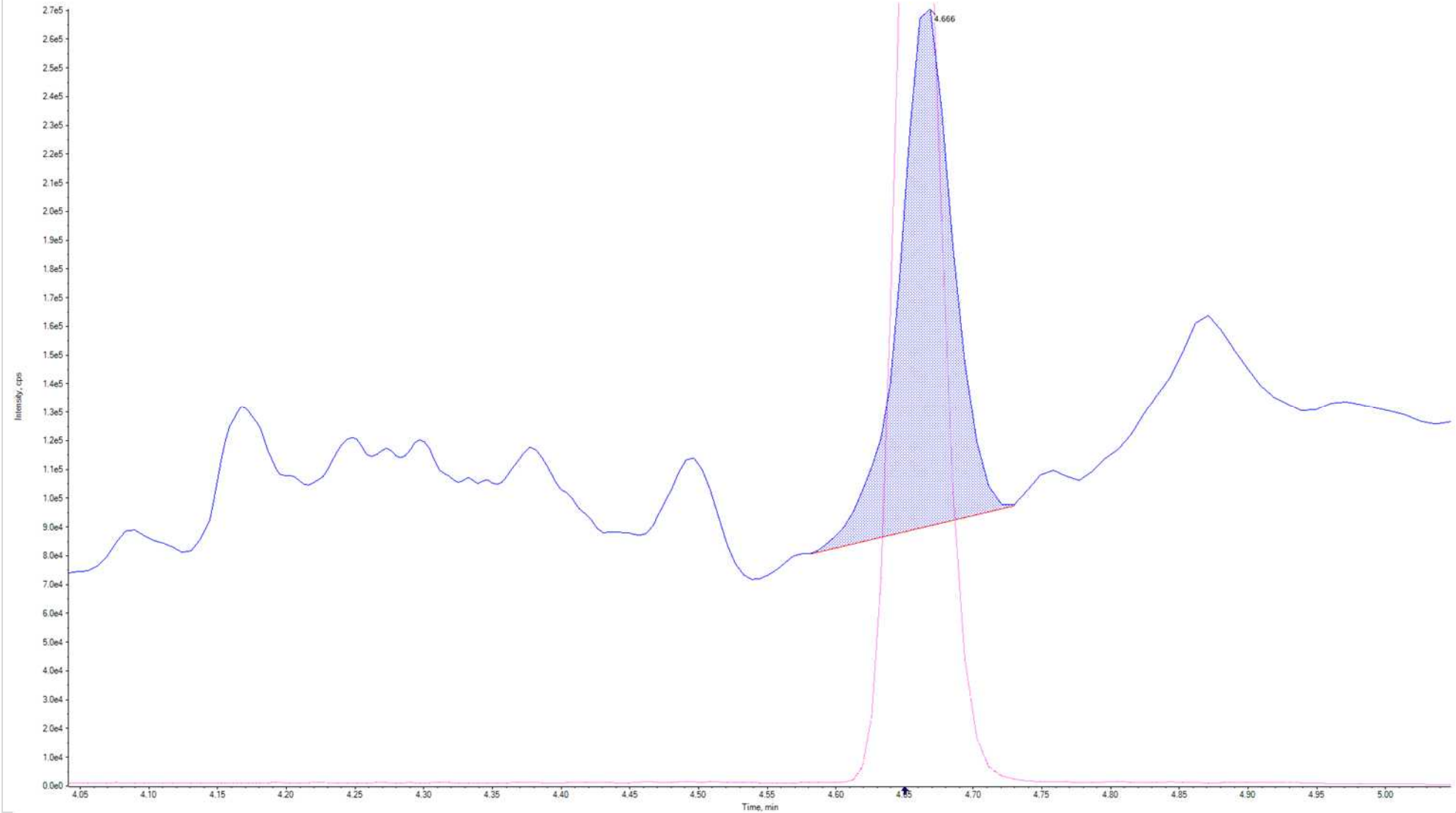
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBA
Sample: L2447503-01 S/N:186.5 Points Across peak:38



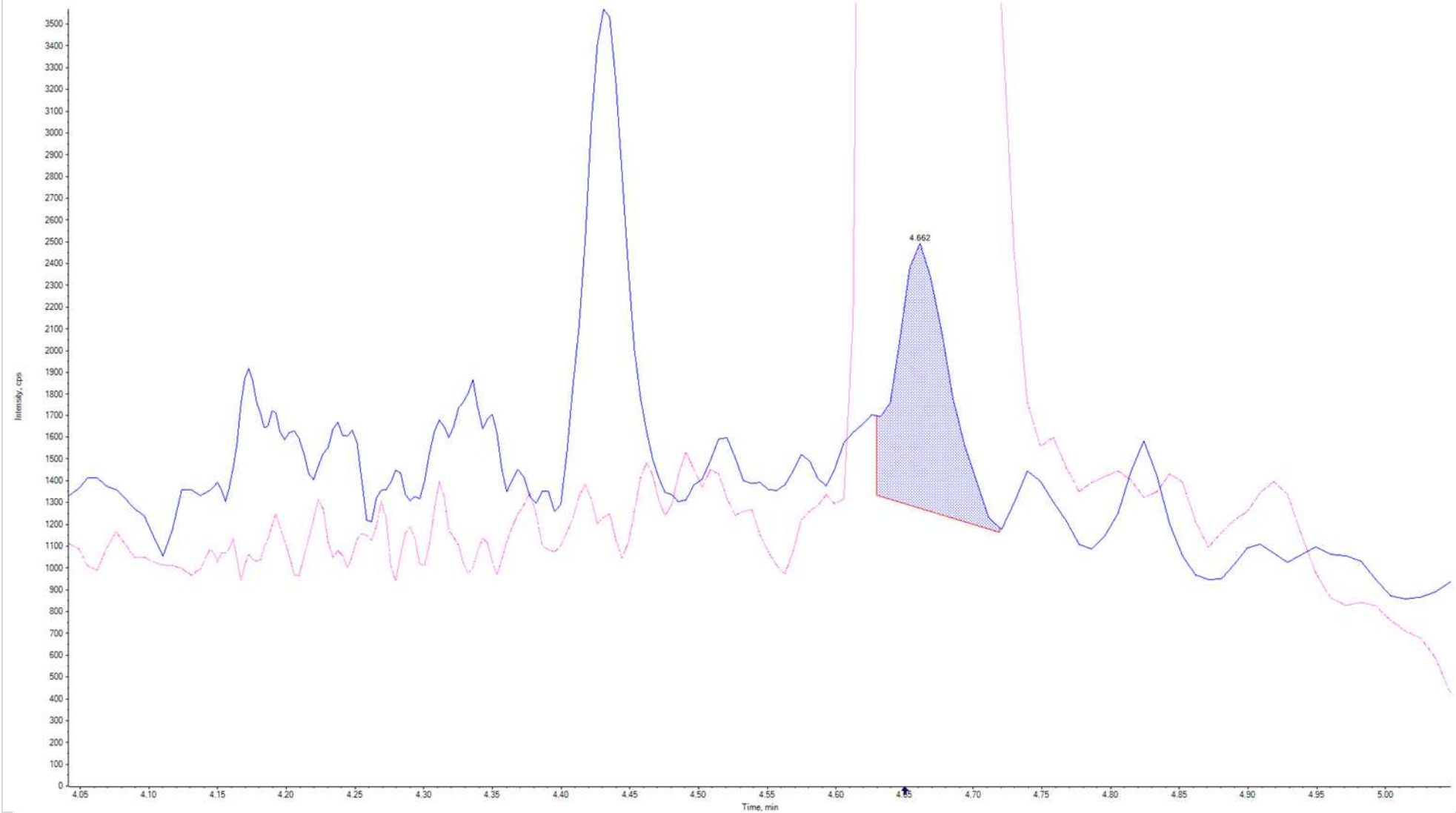
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeA
Sample: L2447503-01 S/N:93.3 Points Across peak:21



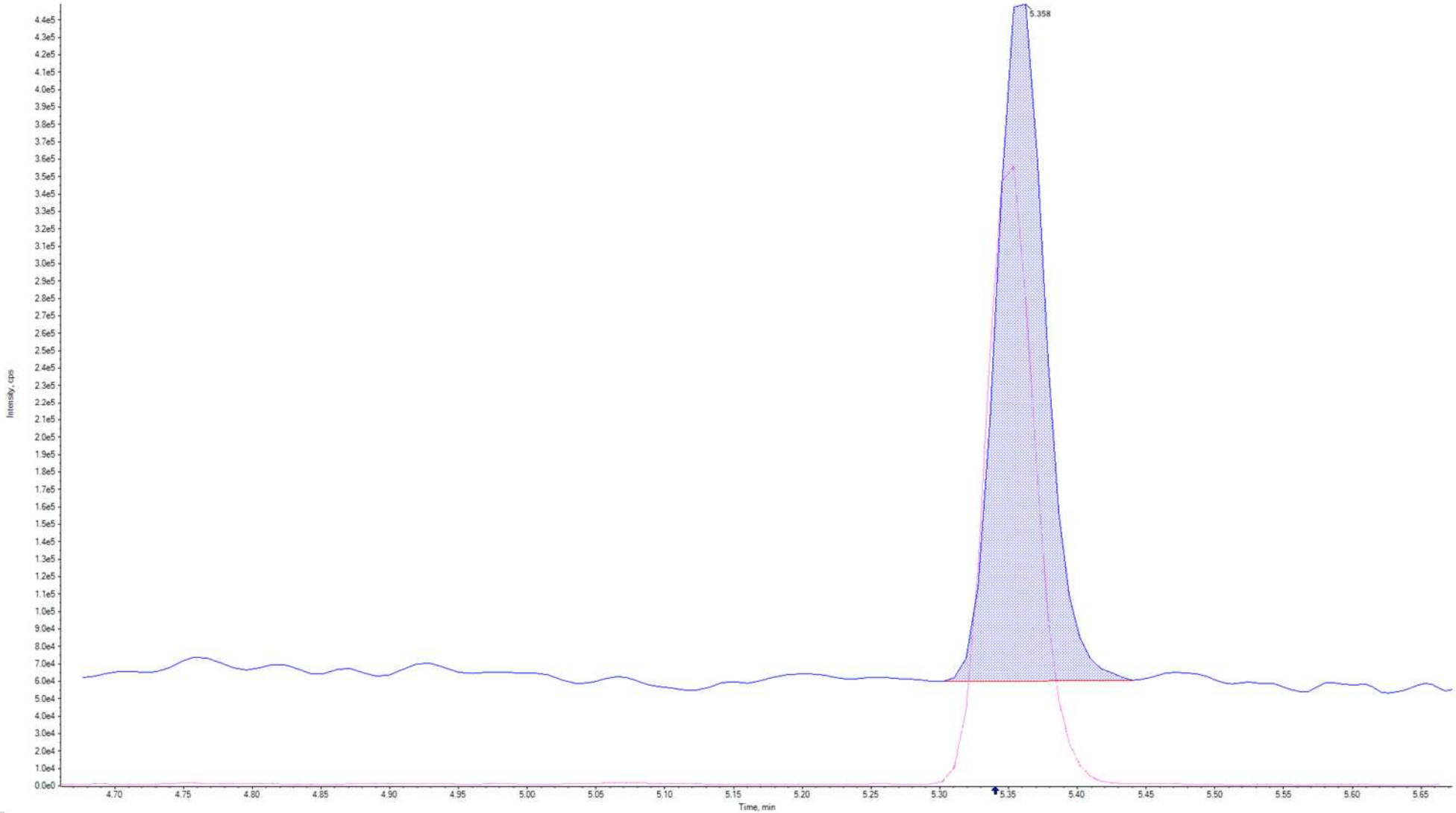
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeA_2
Sample: L2447503-01 S/N:21.2 Points Across peak:13



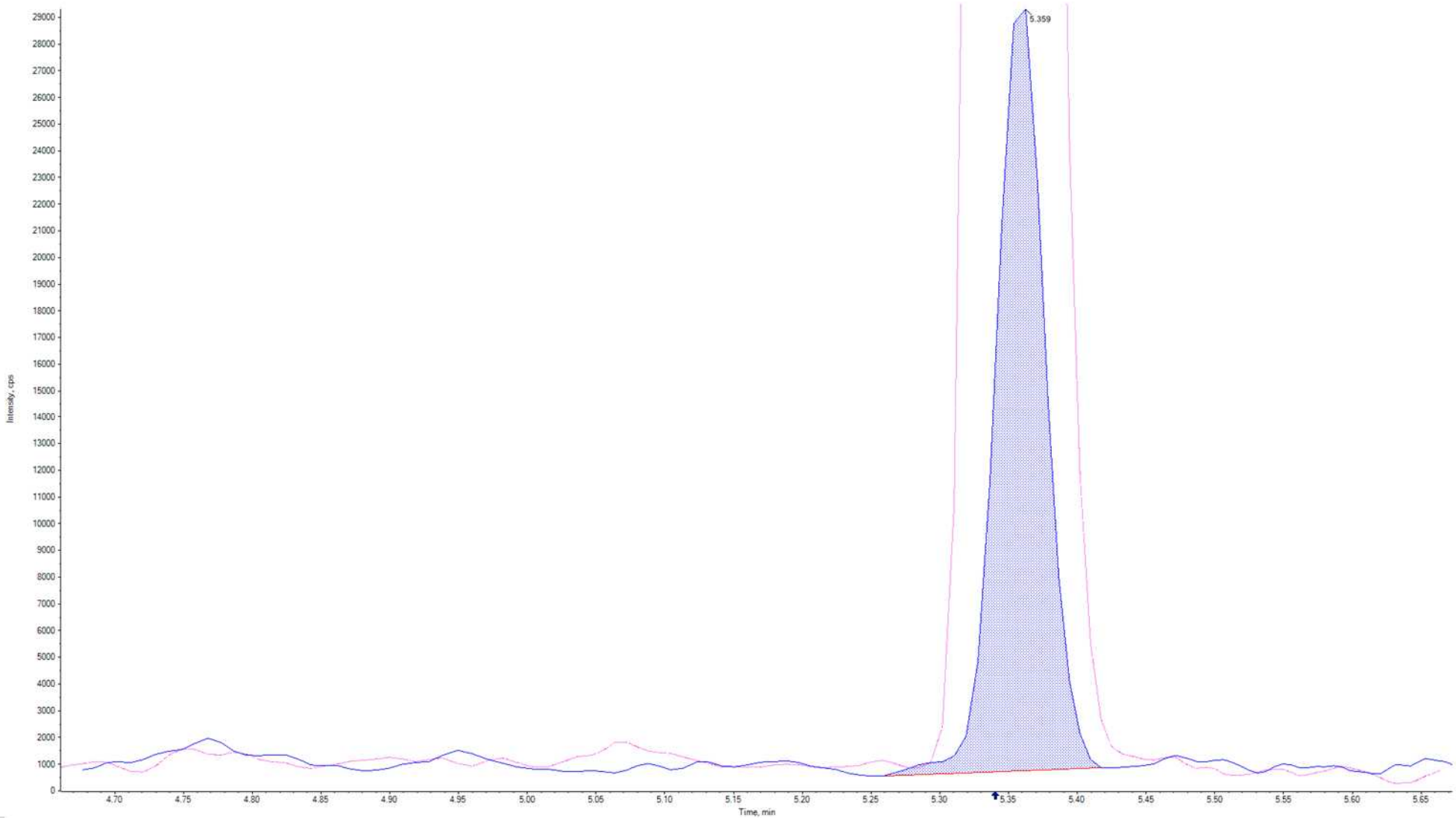
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxA
Sample: L2447503-01 S/N:158.7 Points Across peak:18



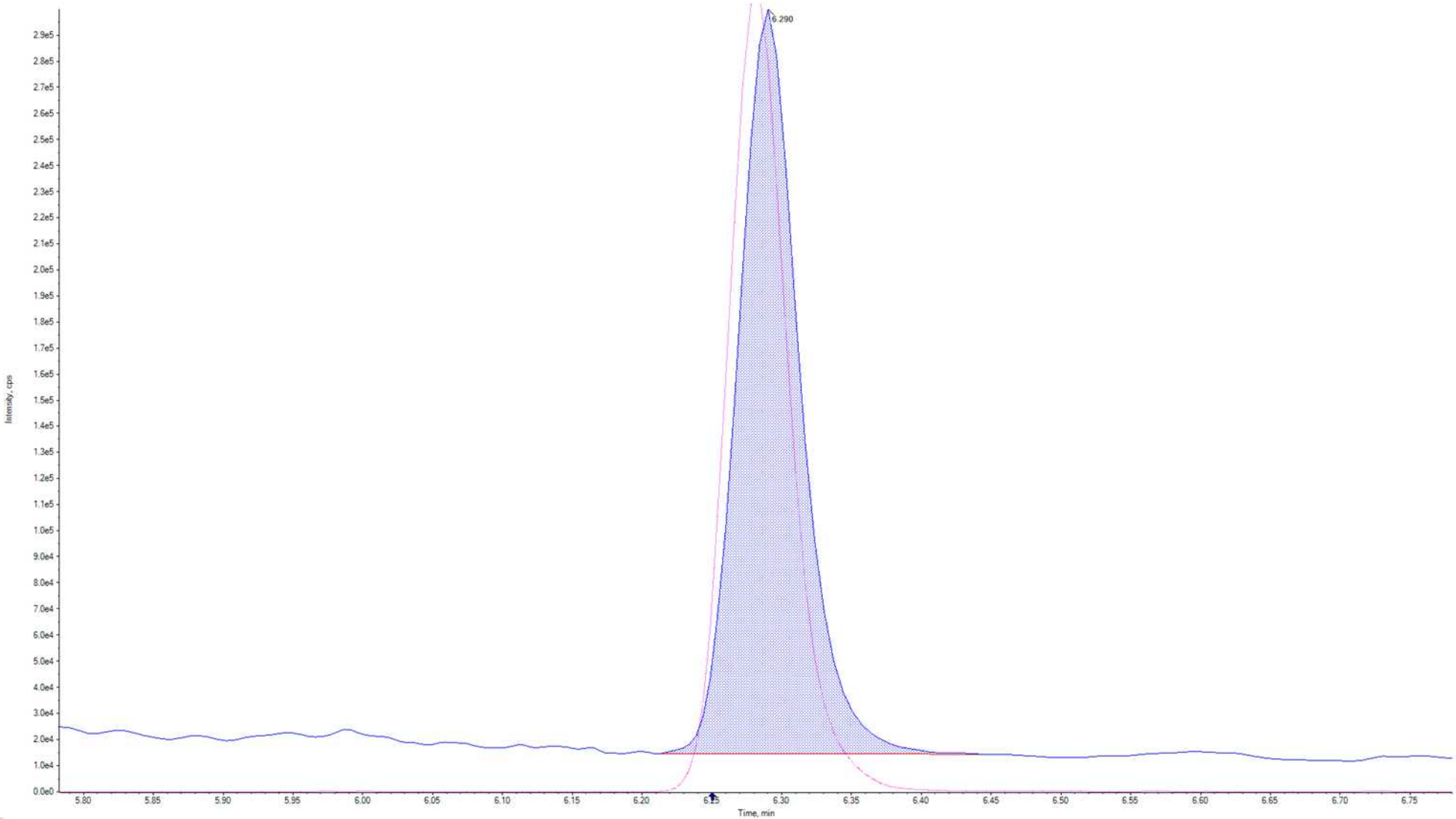
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxA_2
Sample: L2447503-01 S/N:298.0 Points Across peak:20



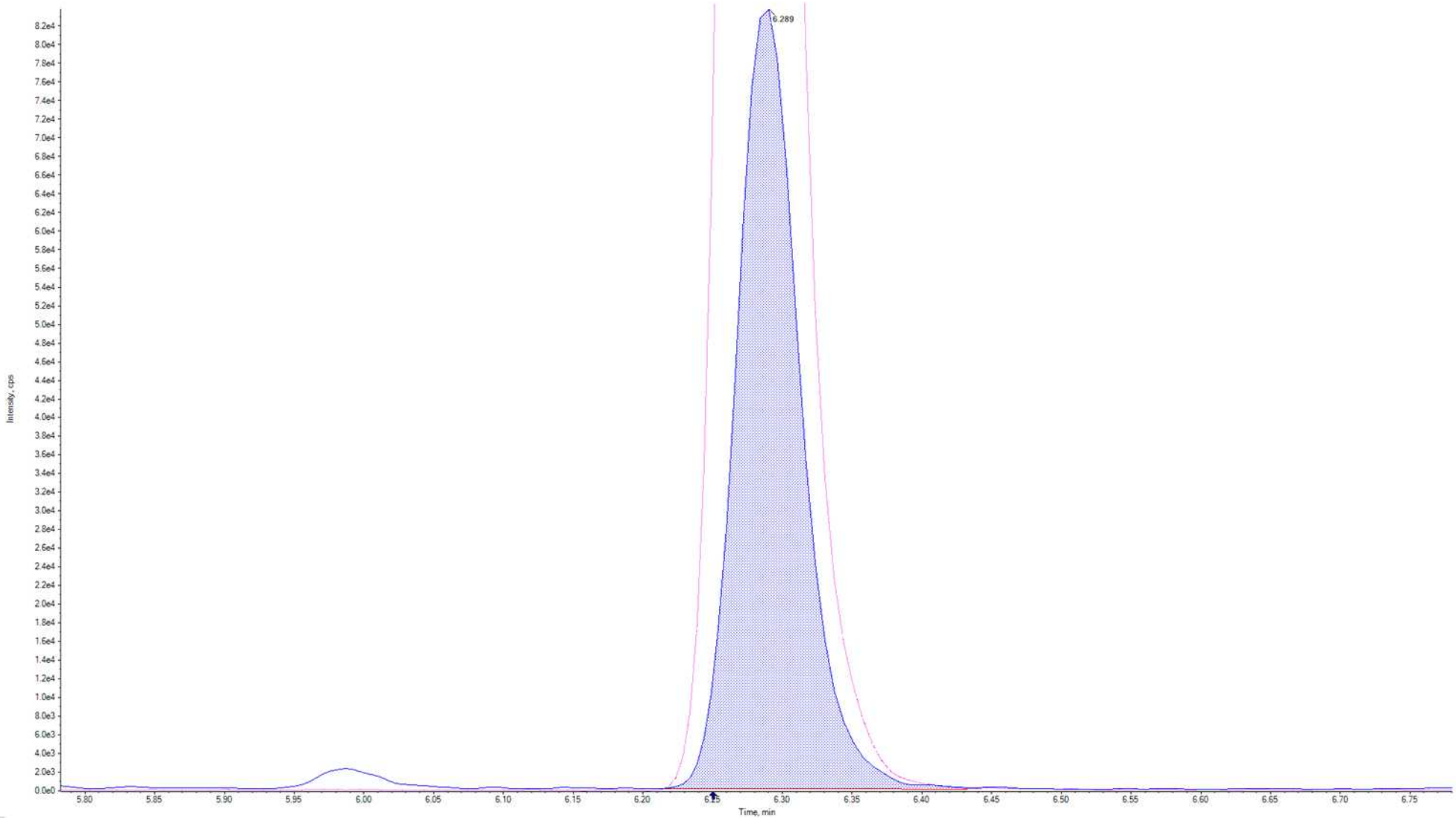
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpA
Sample: L2447503-01 S/N:402.8 Points Across peak:39



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpA_2
Sample: L2447503-01 S/N:1333.3 Points Across peak:37



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
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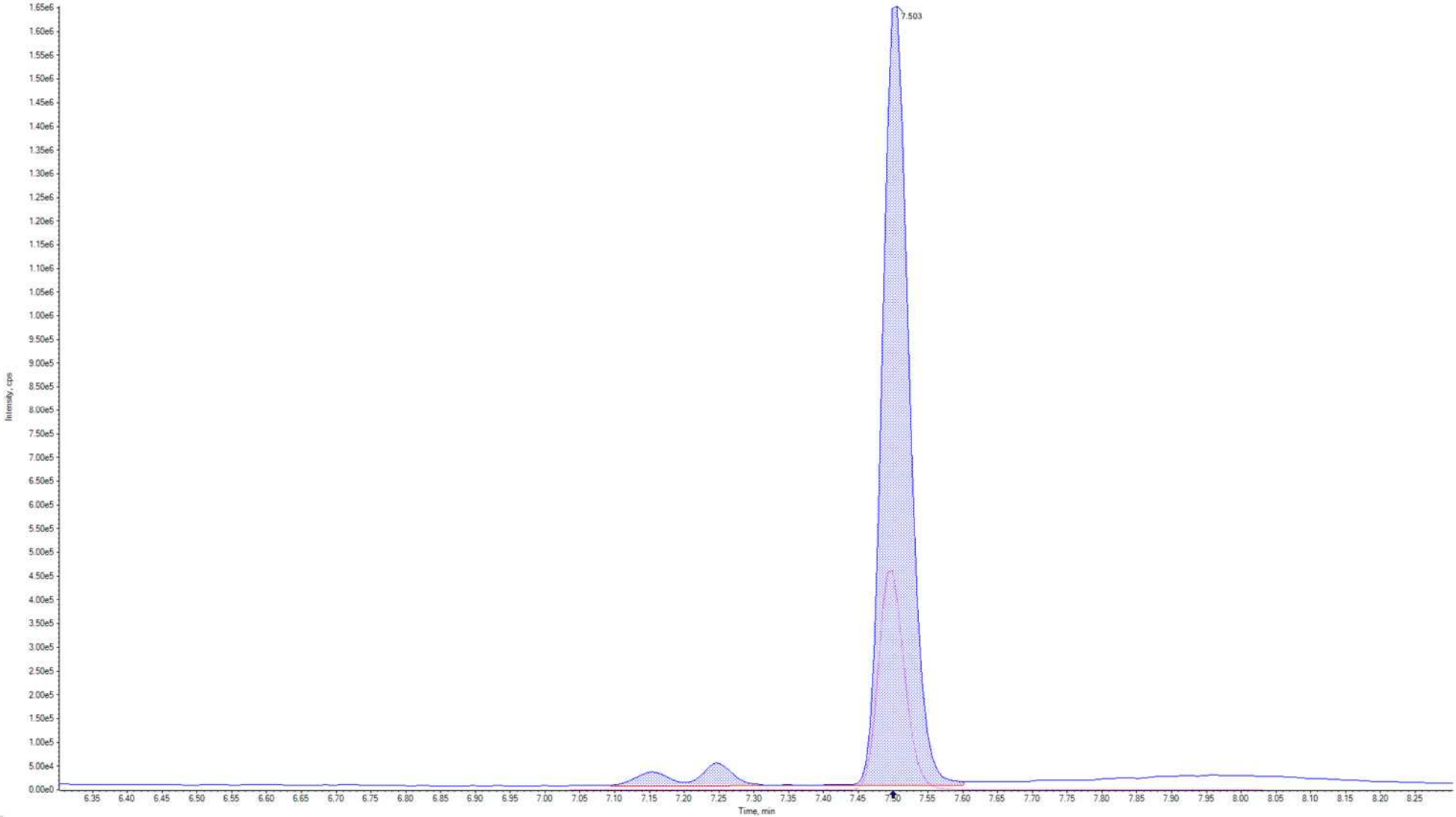
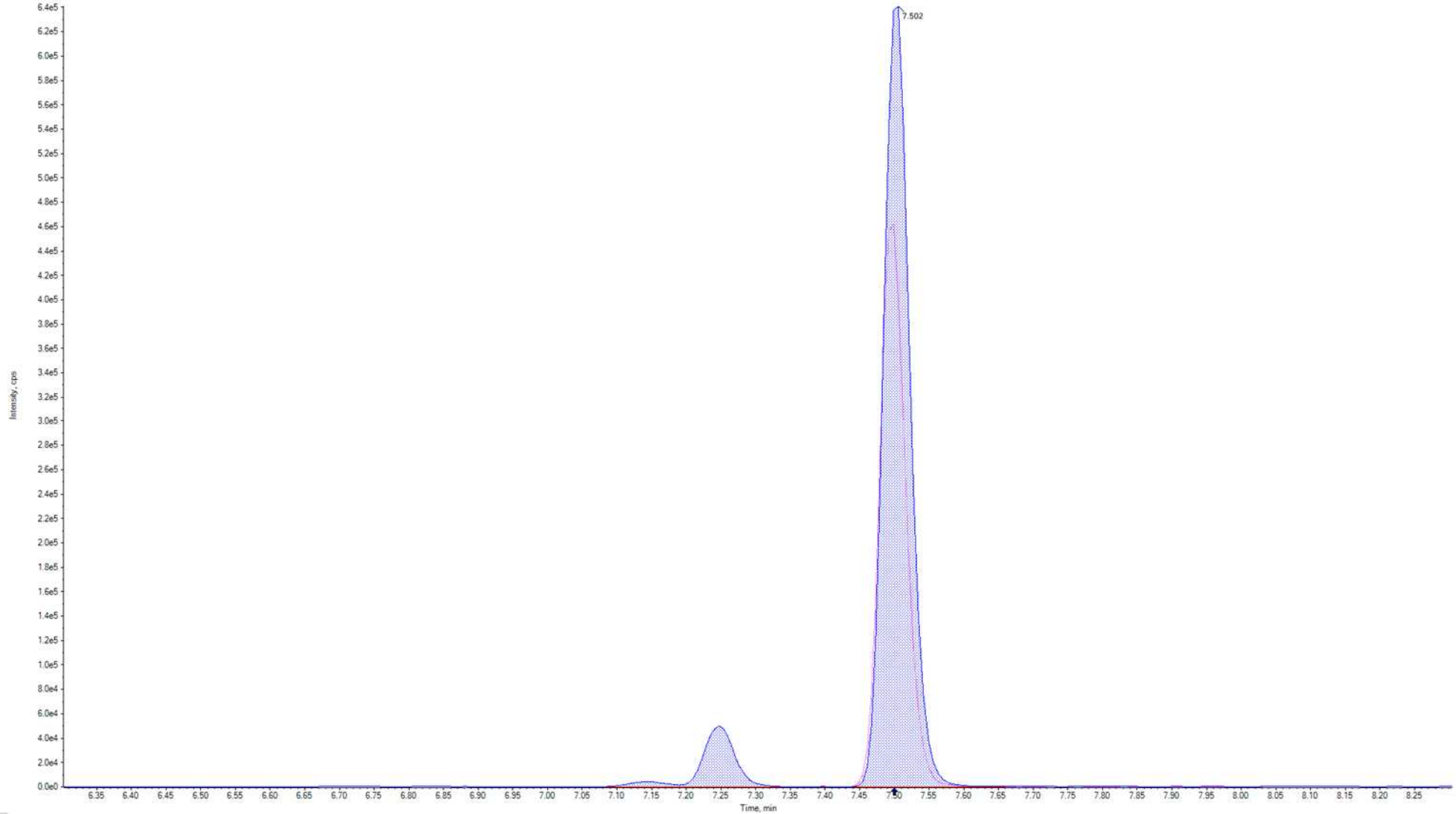
PFOA
Sample: L2447503-01 S/N:1431.3 Points Across peak:83



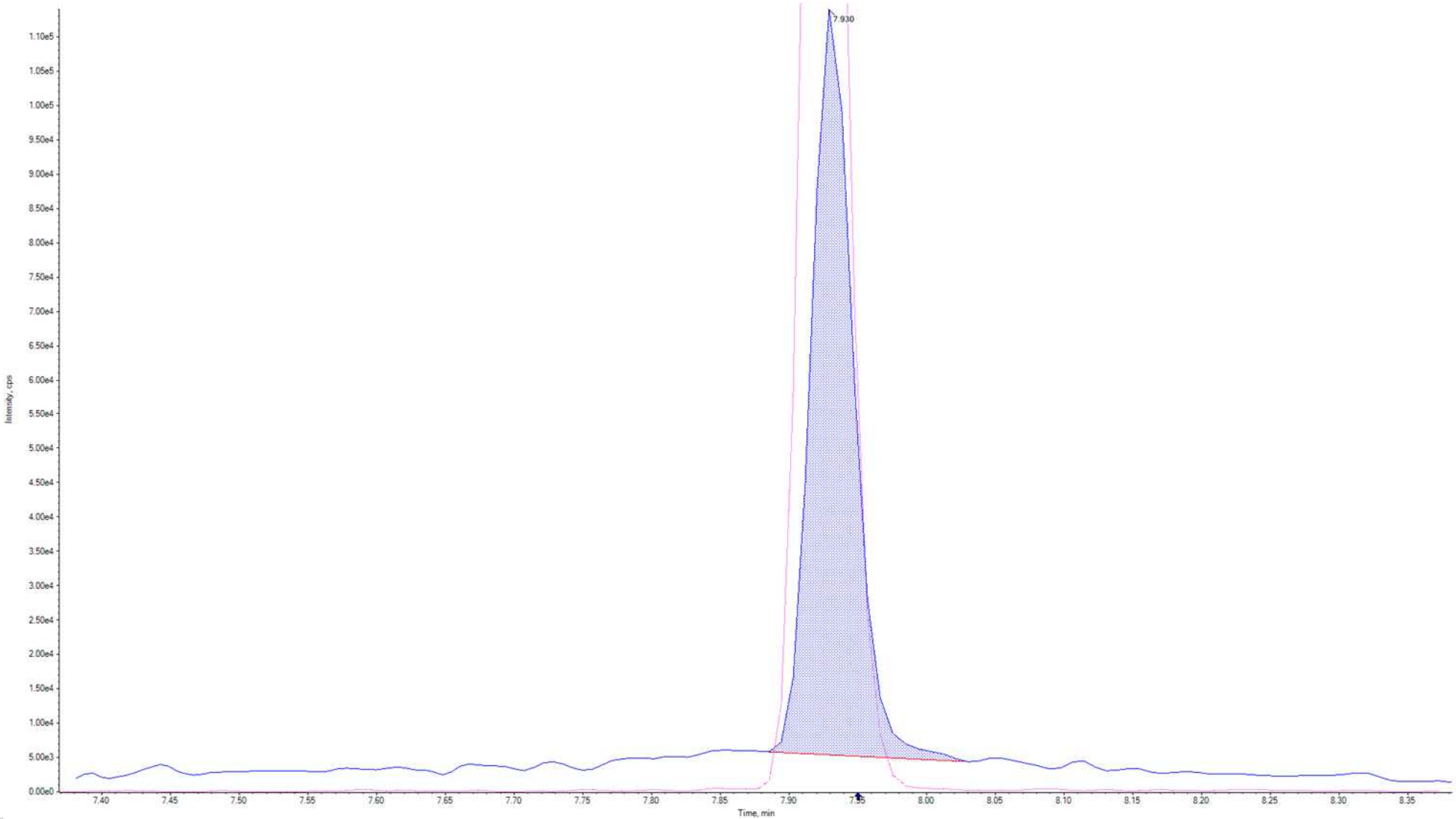
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOA_2
Sample: L2447503-01 S/N:9058.7 Points Across peak:92



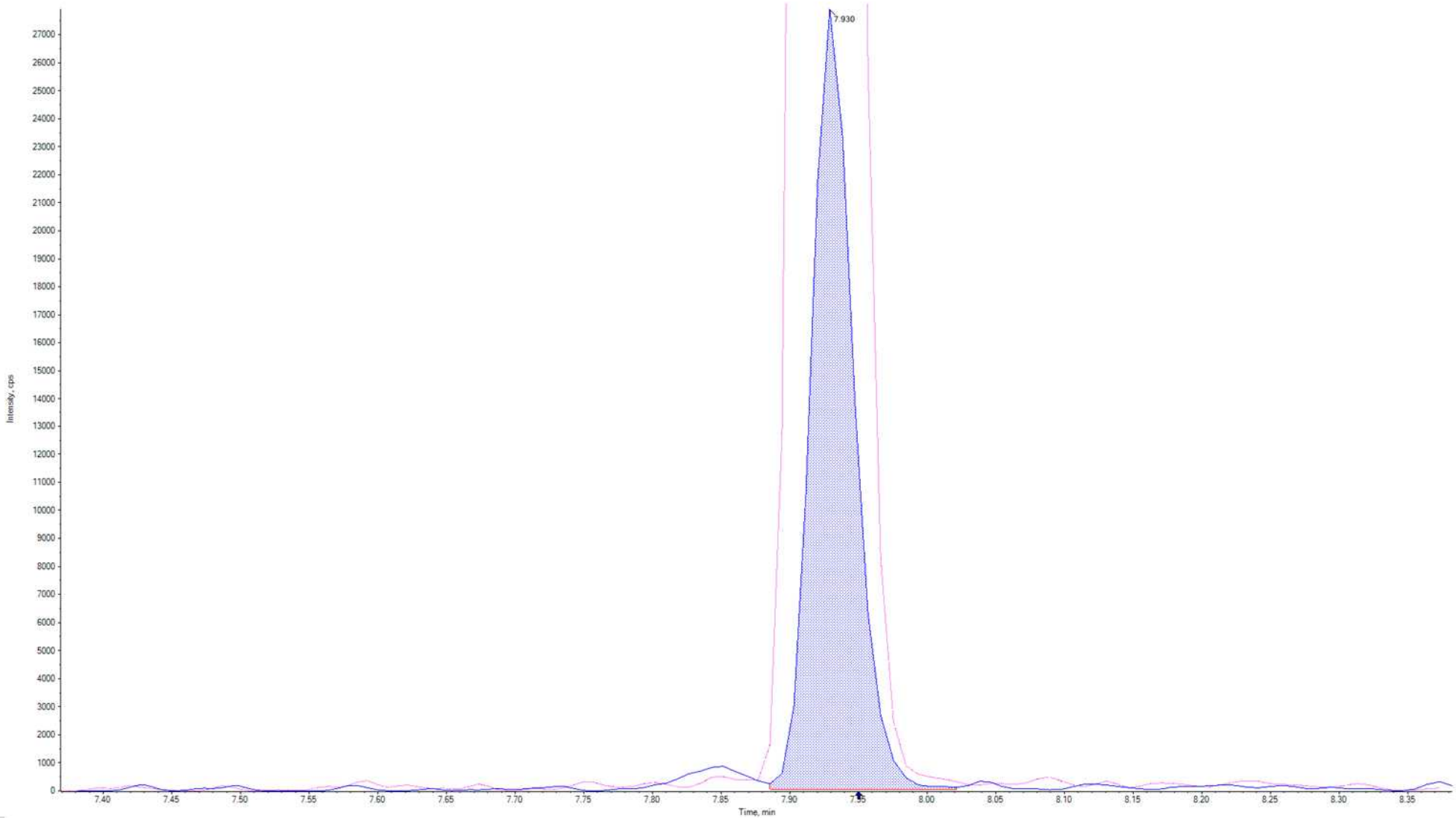
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNA
Sample: L2447503-01 S/N:398.9 Points Across peak:18



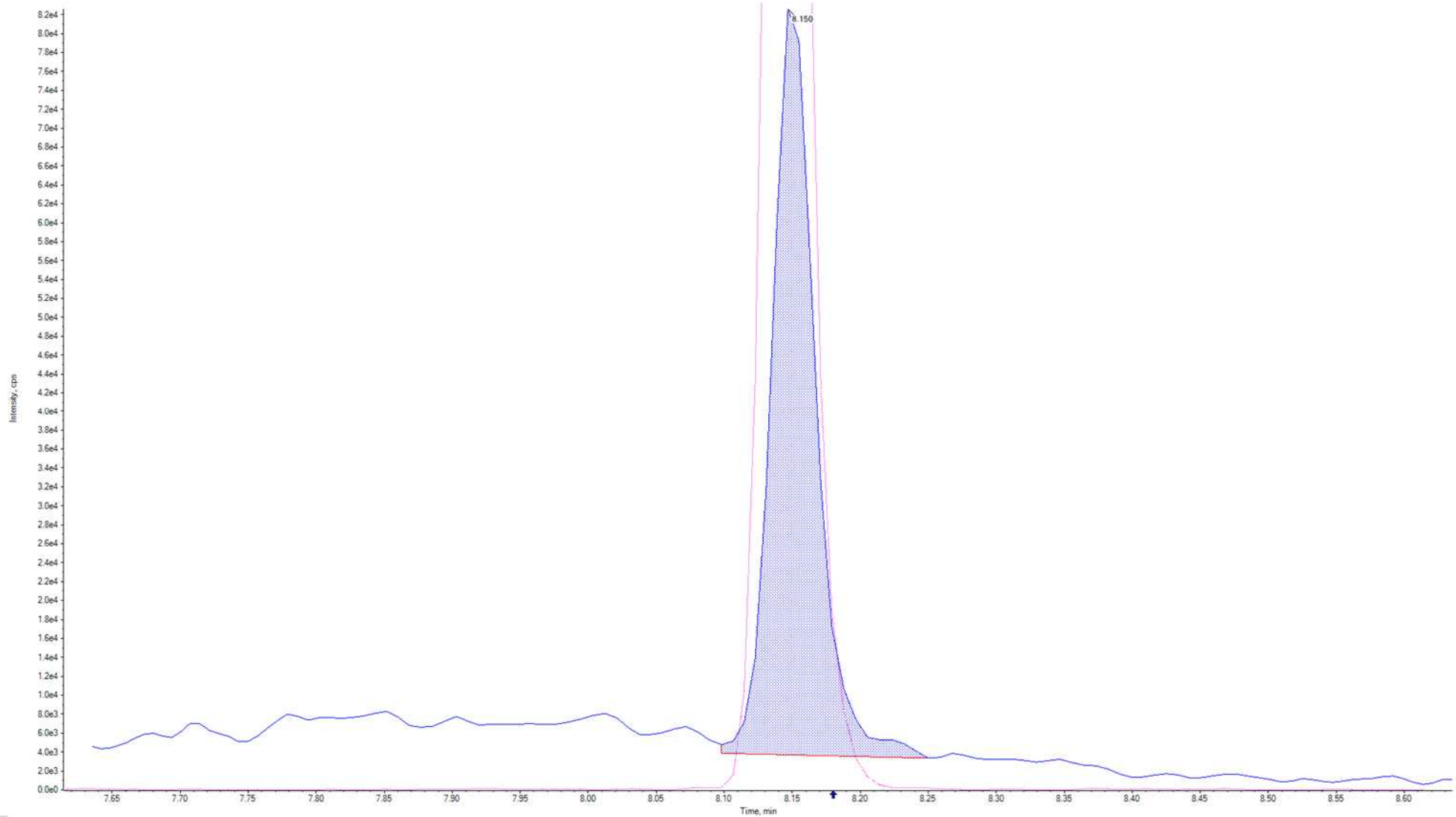
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNA_2
Sample: L2447503-01 S/N:373621.6 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDA
Sample: L2447503-01 S/N:328.0 Points Across peak:19



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
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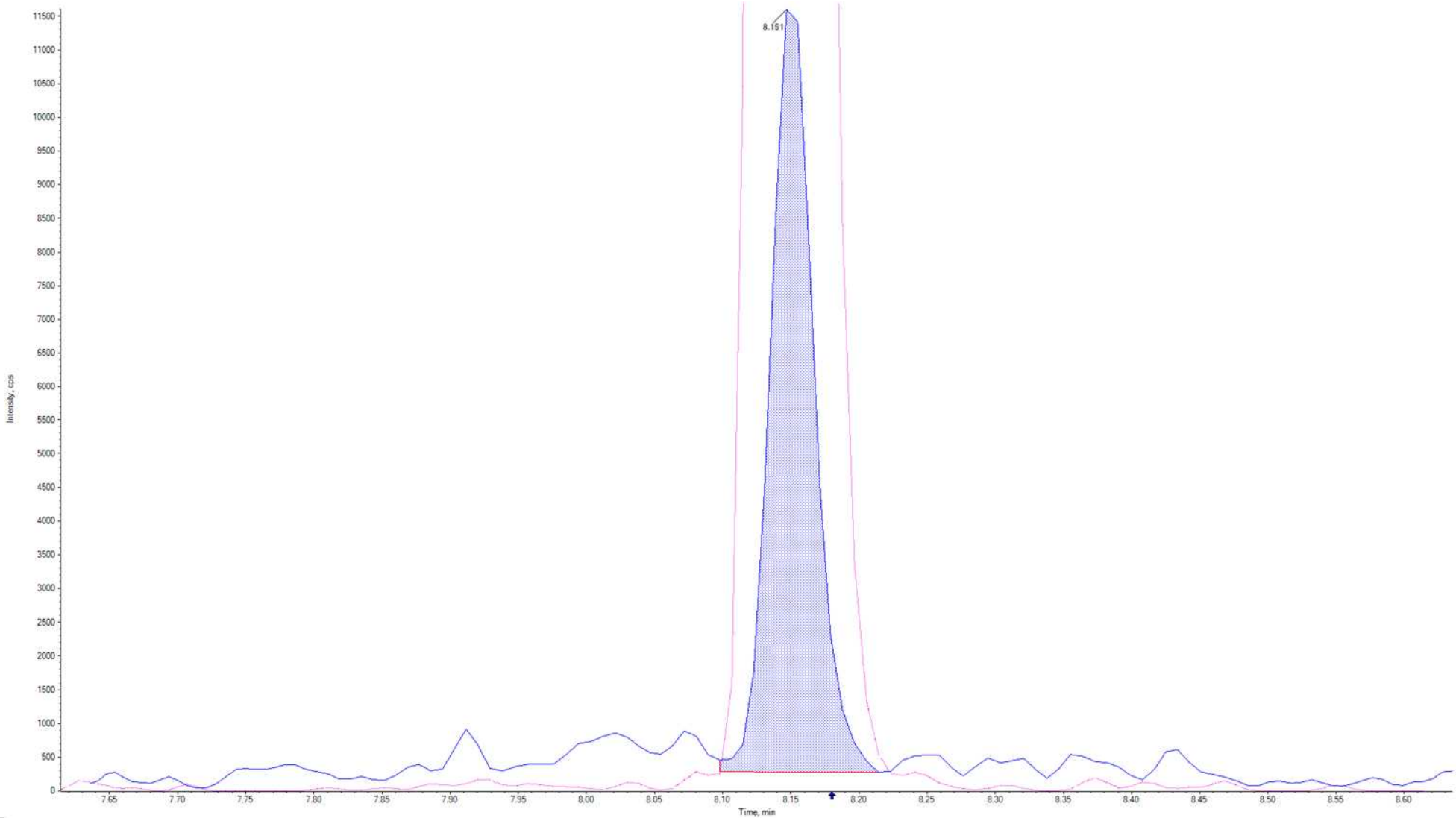
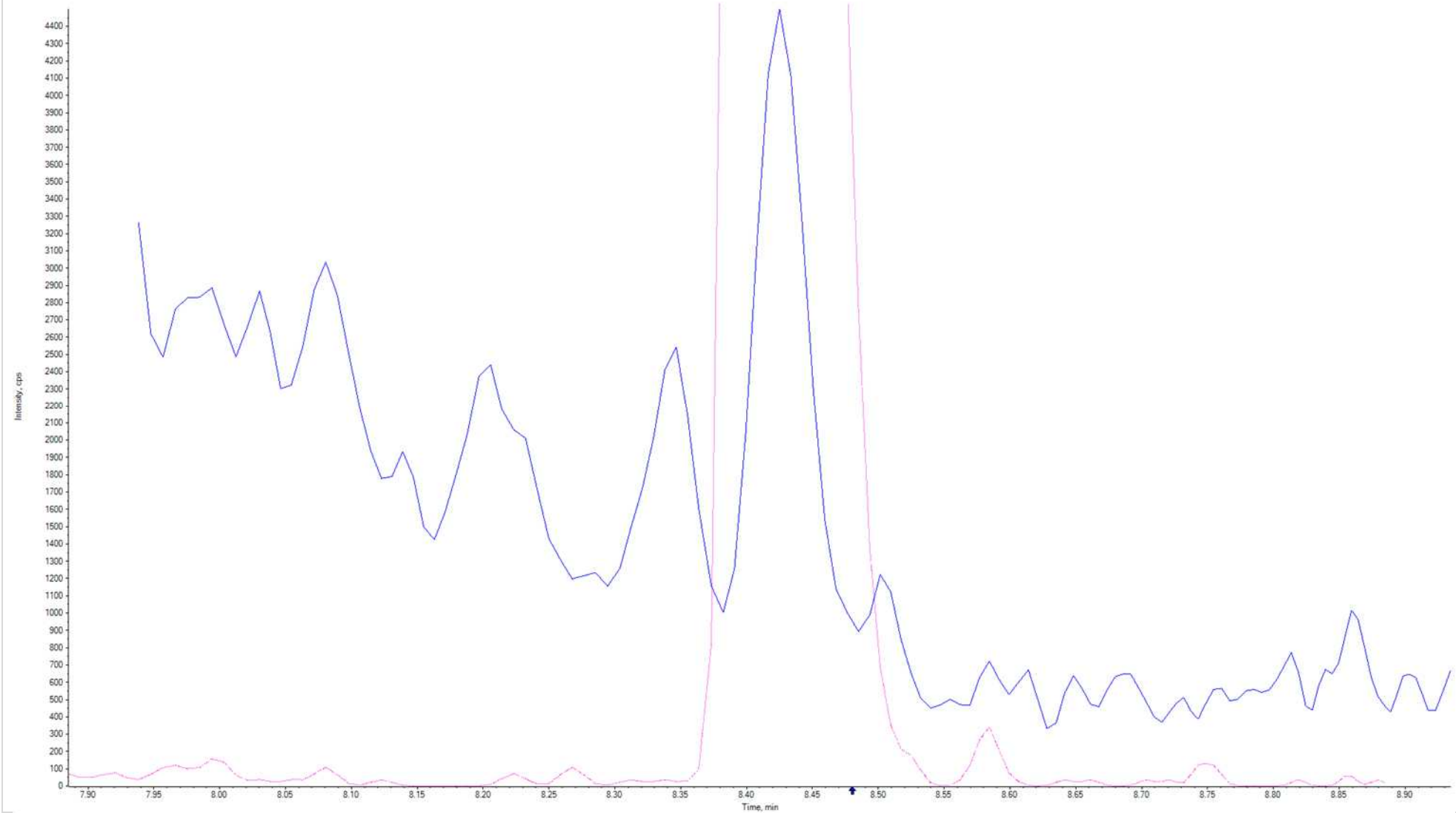
PFDA_2
Sample: L2447503-01 S/N:314.0 Points Across peak:15



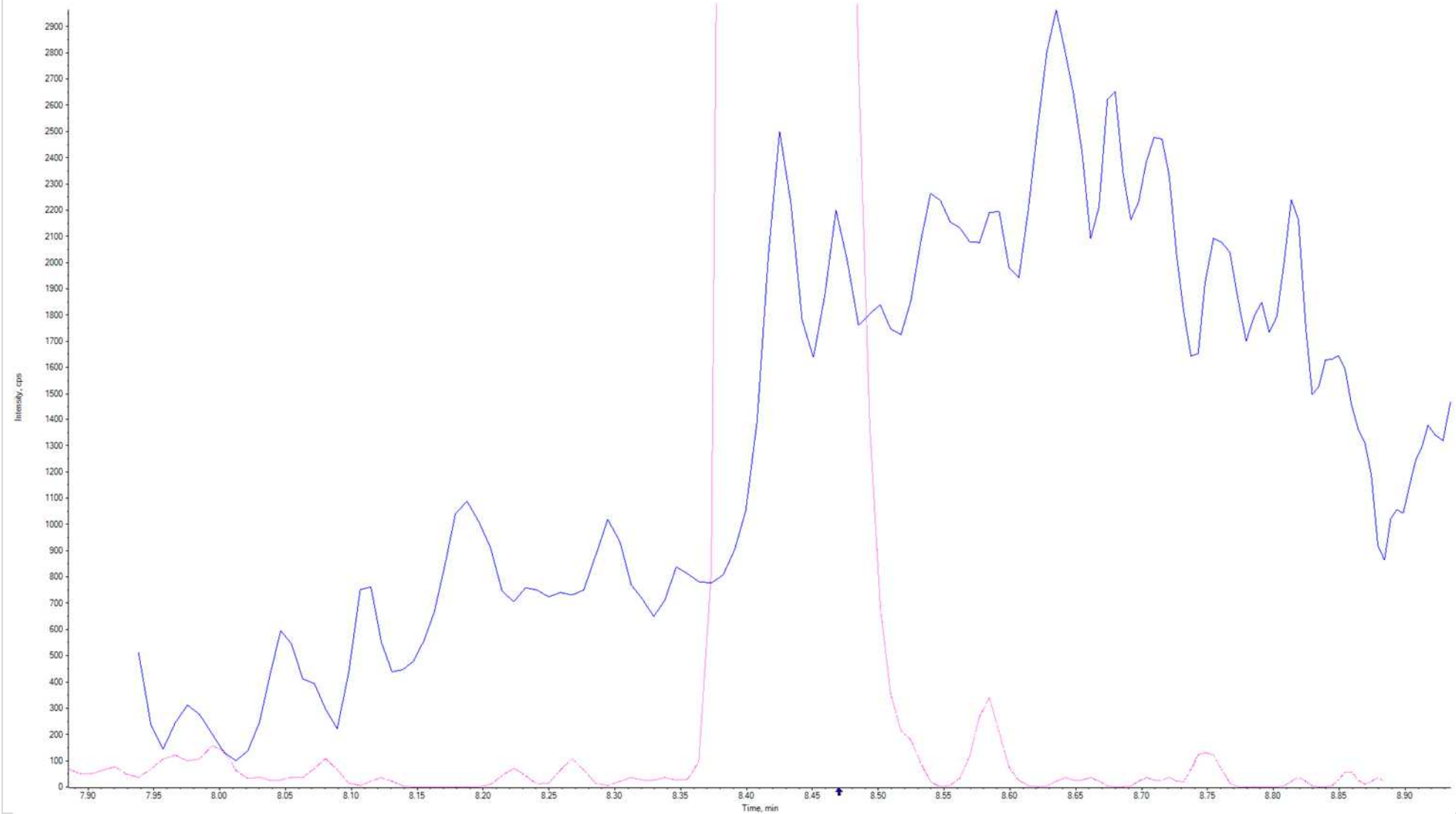
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFUnA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



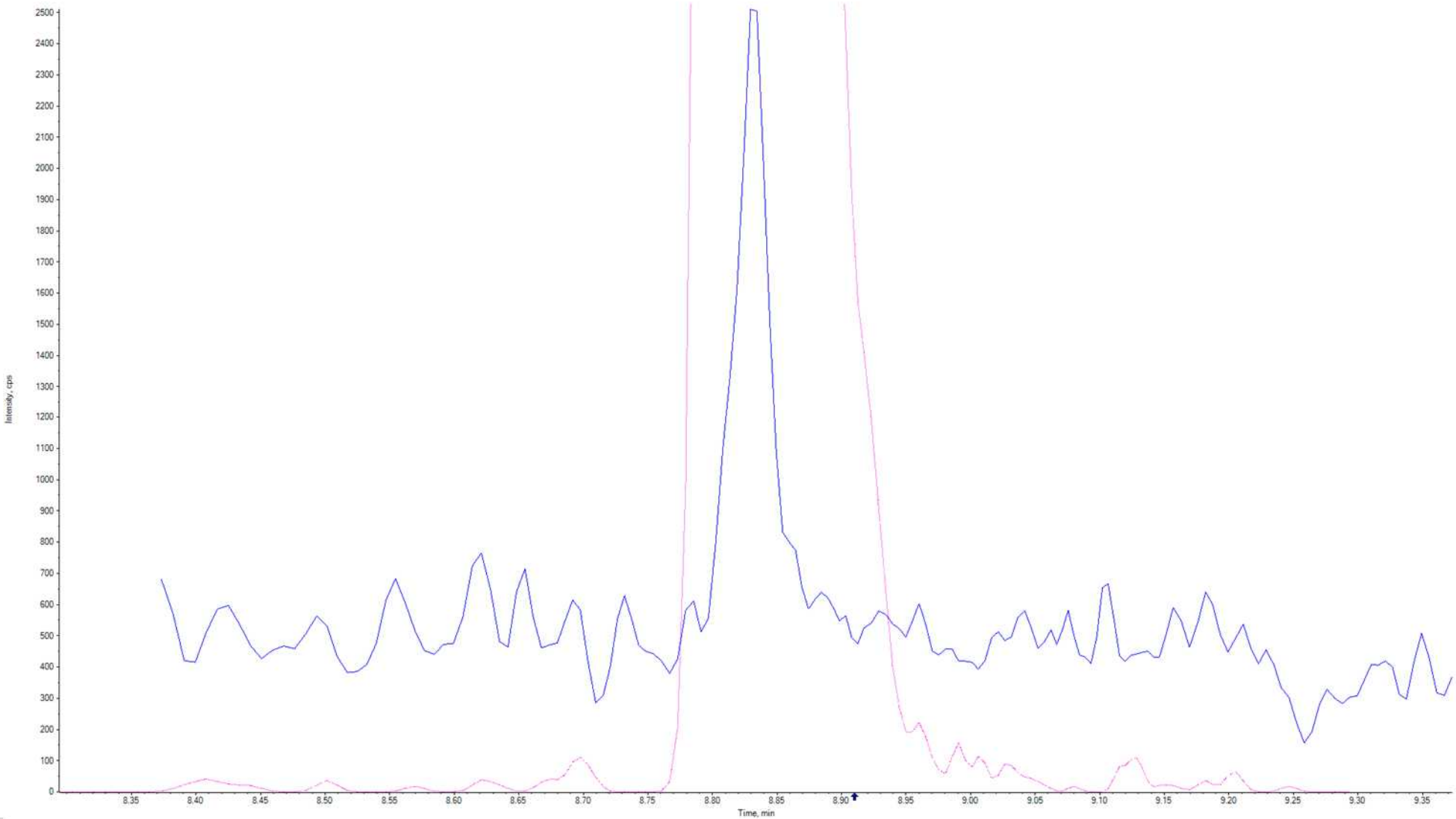
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFUnA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



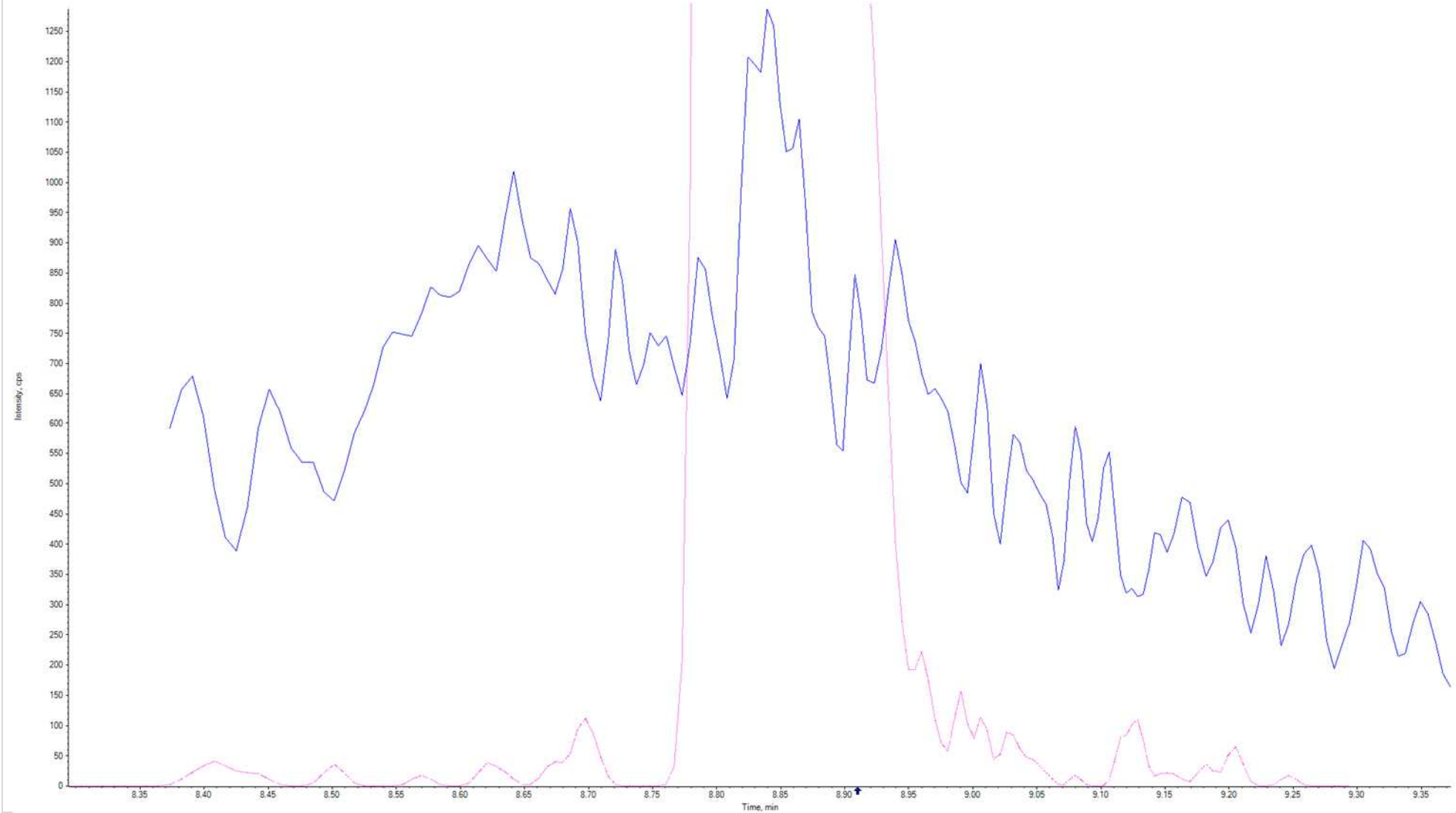
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



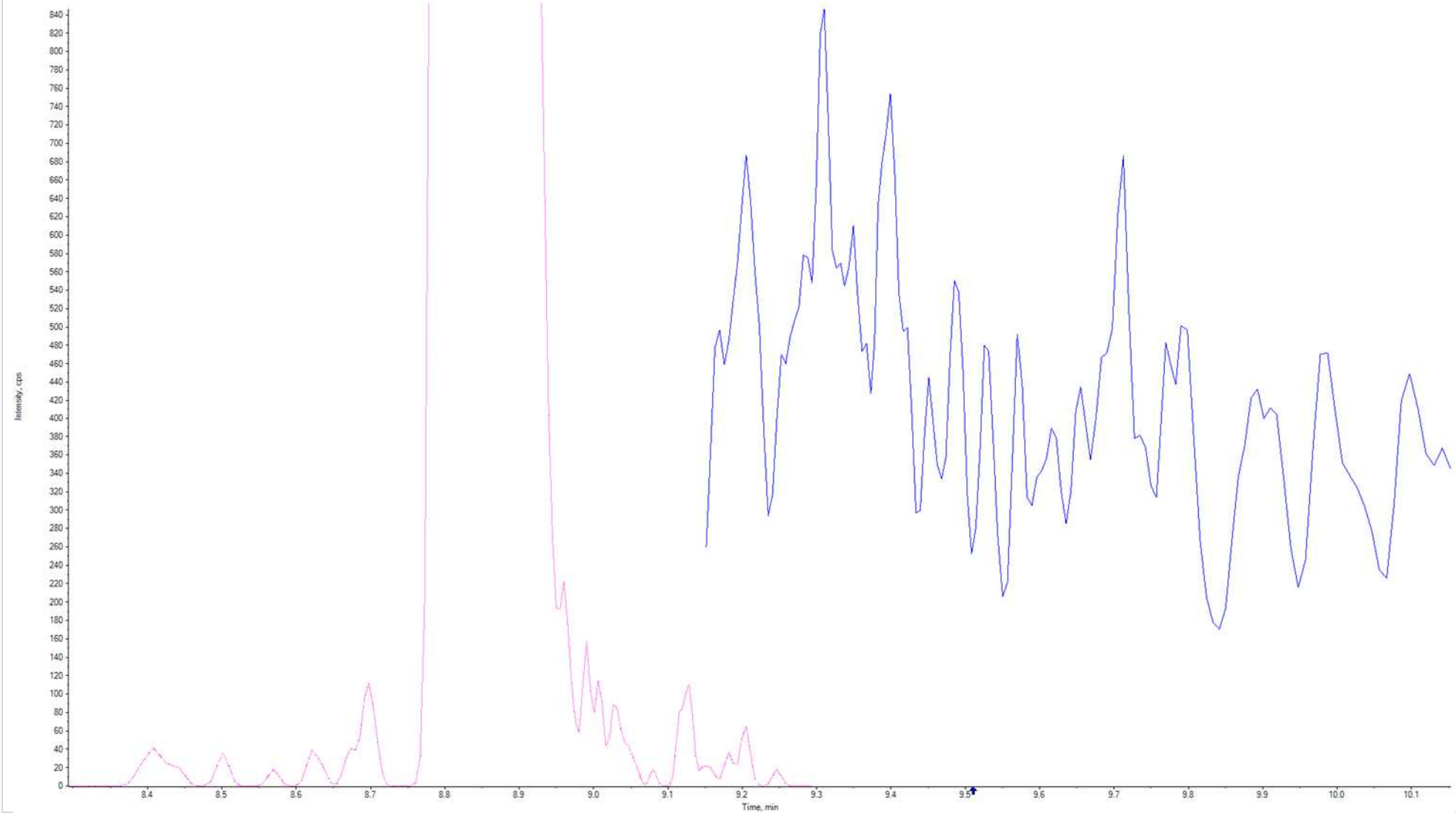
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTrDA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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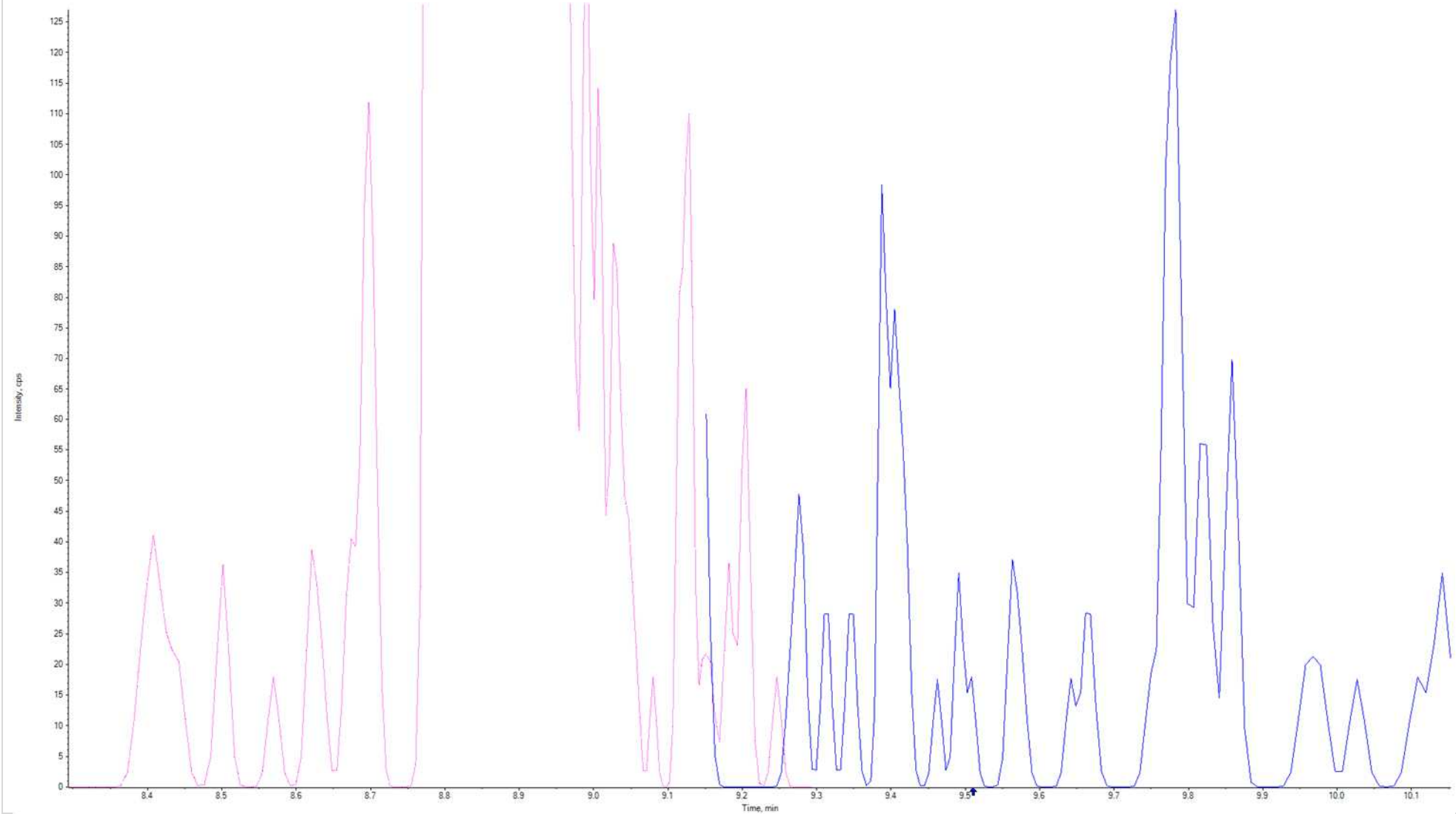
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTrDA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
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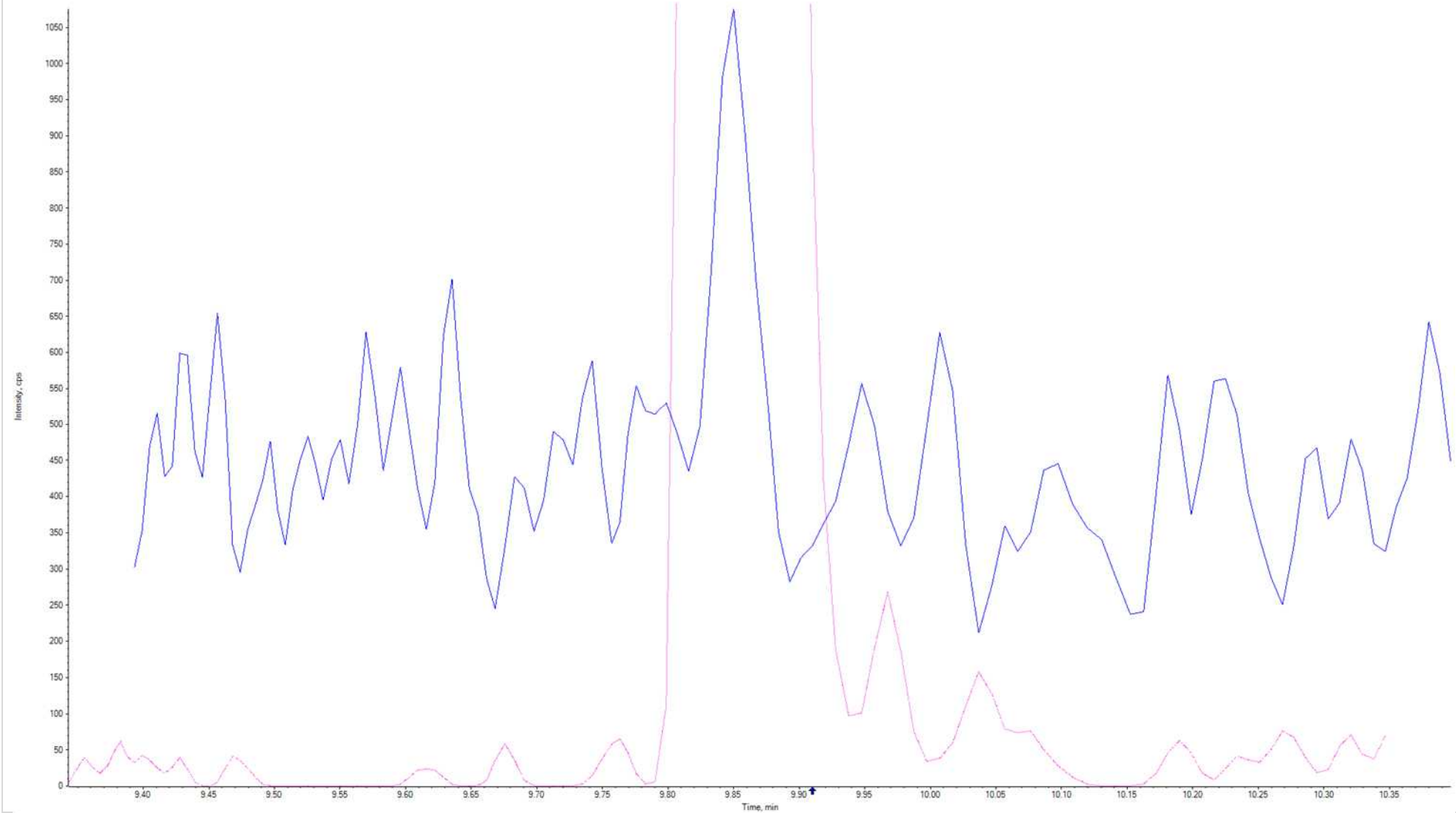
PFTeDA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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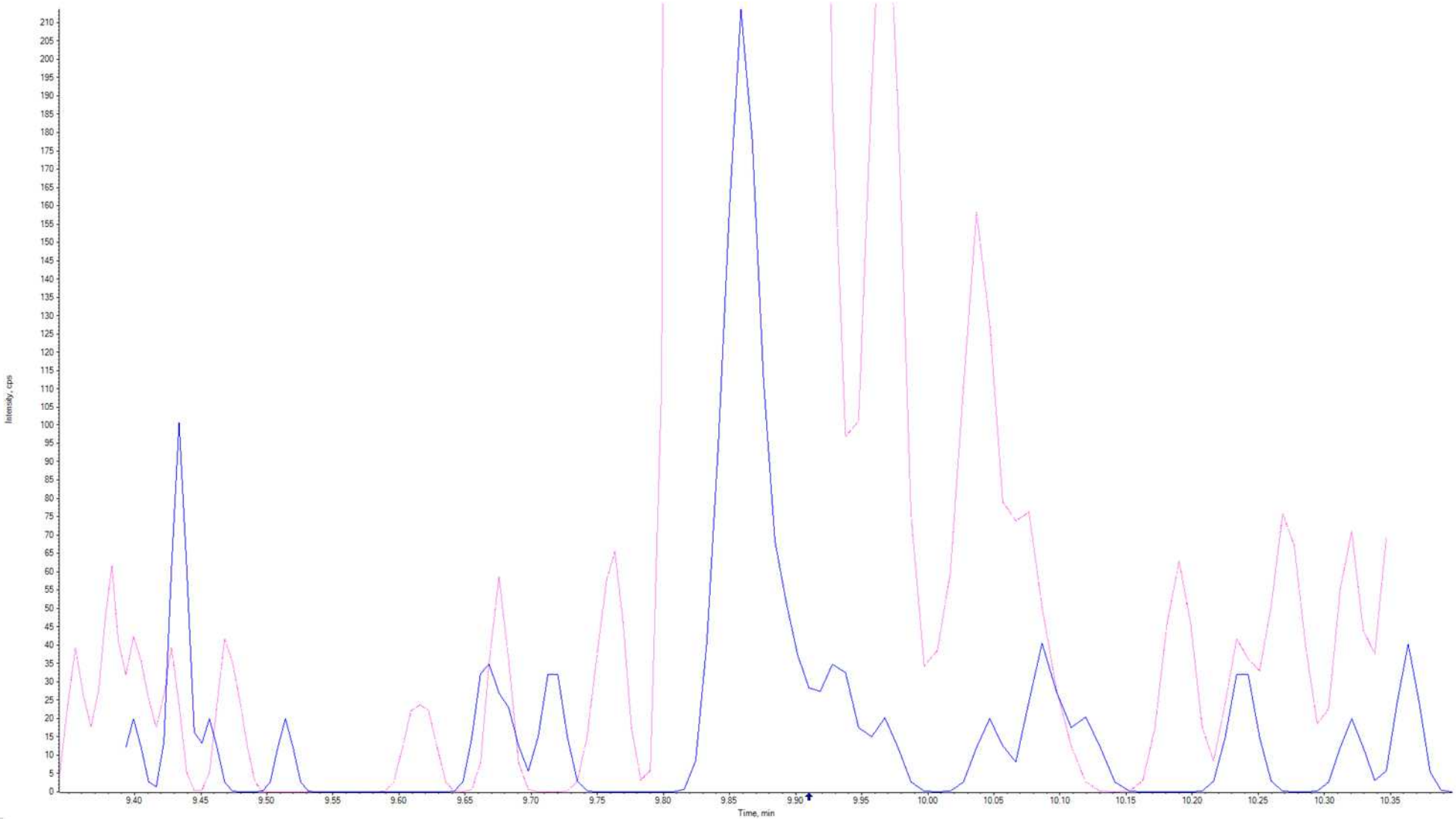
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTeDA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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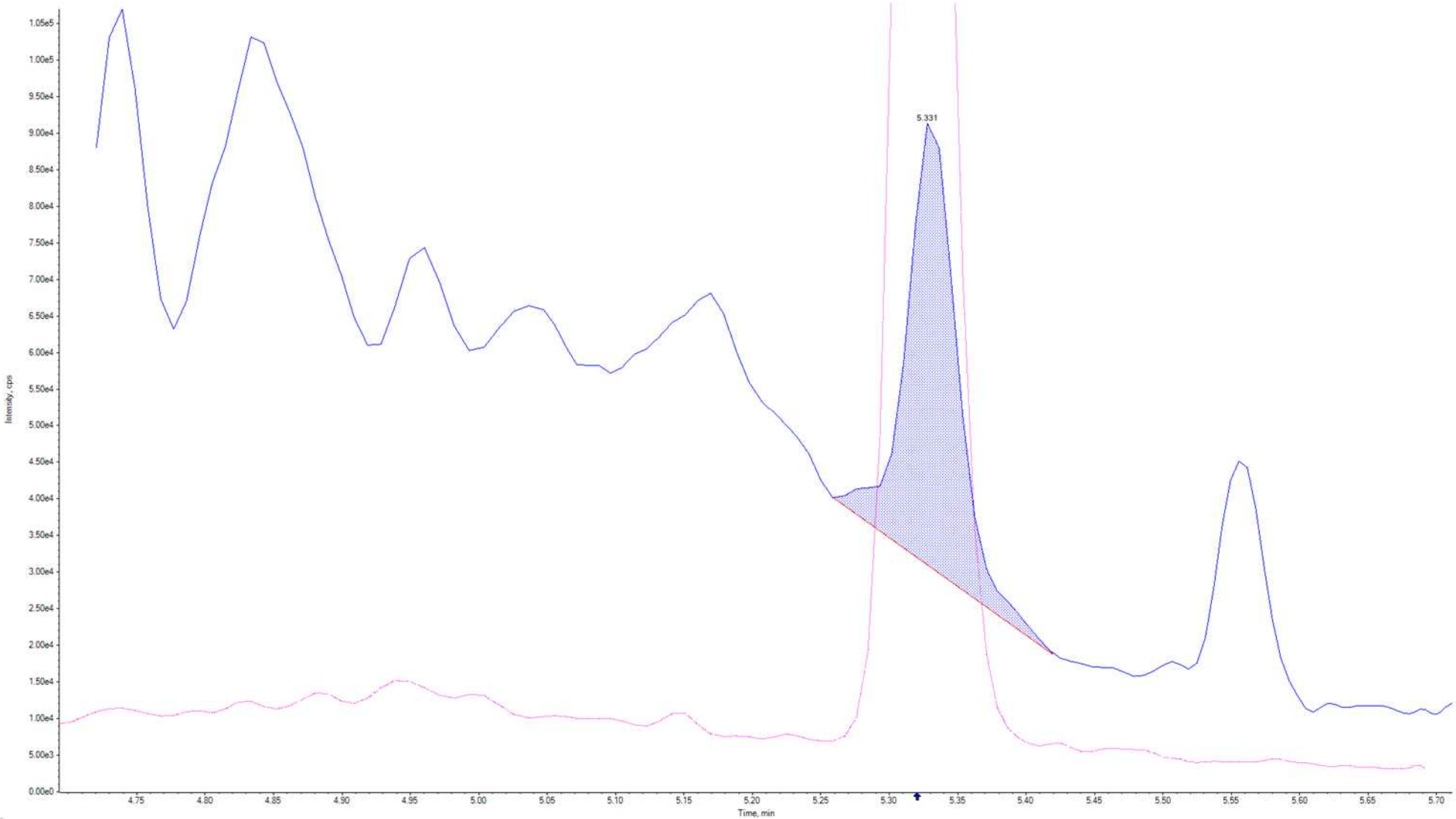
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBS
Sample: L2447503-01 S/N:16.2 Points Across peak:21



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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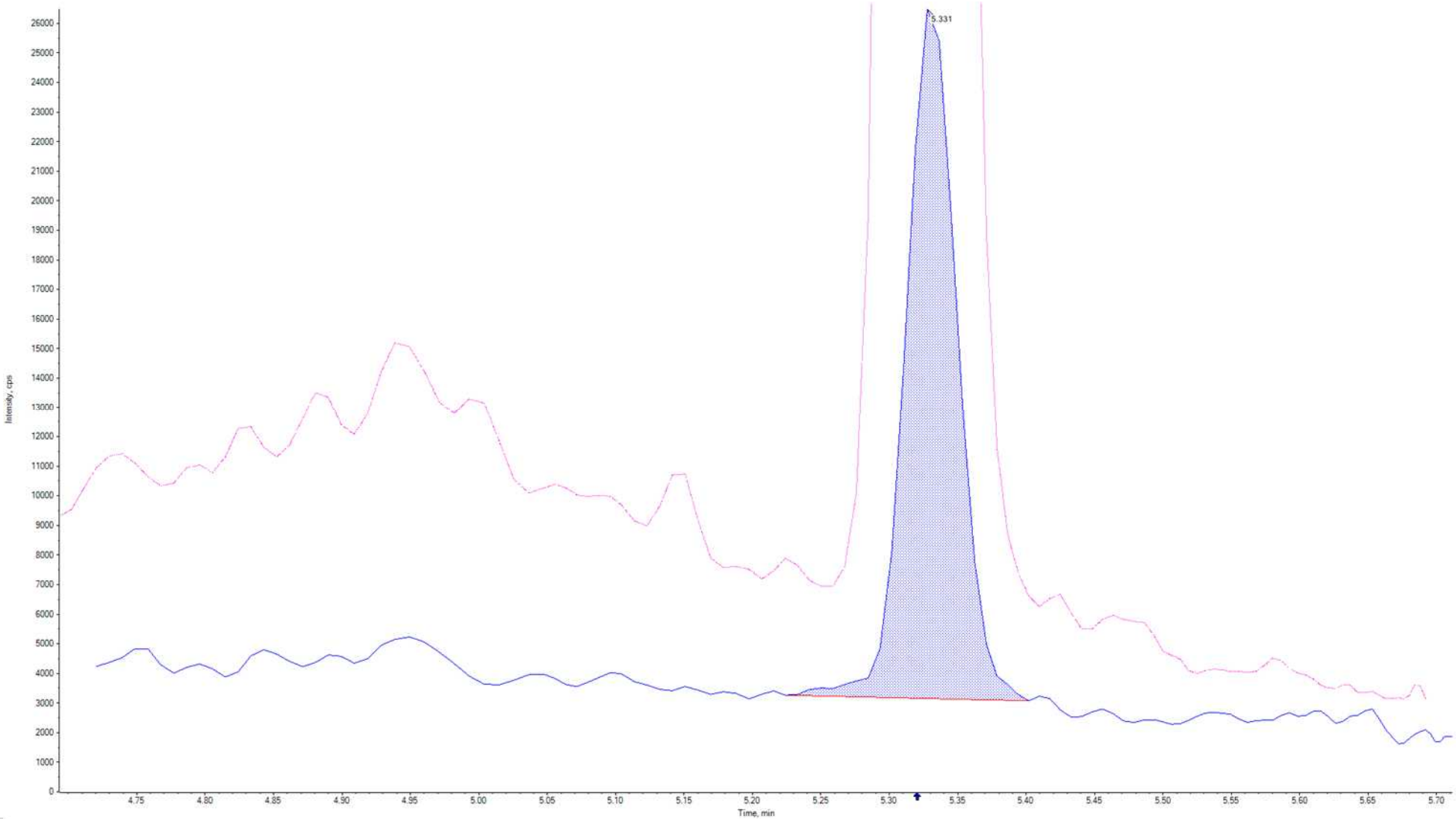
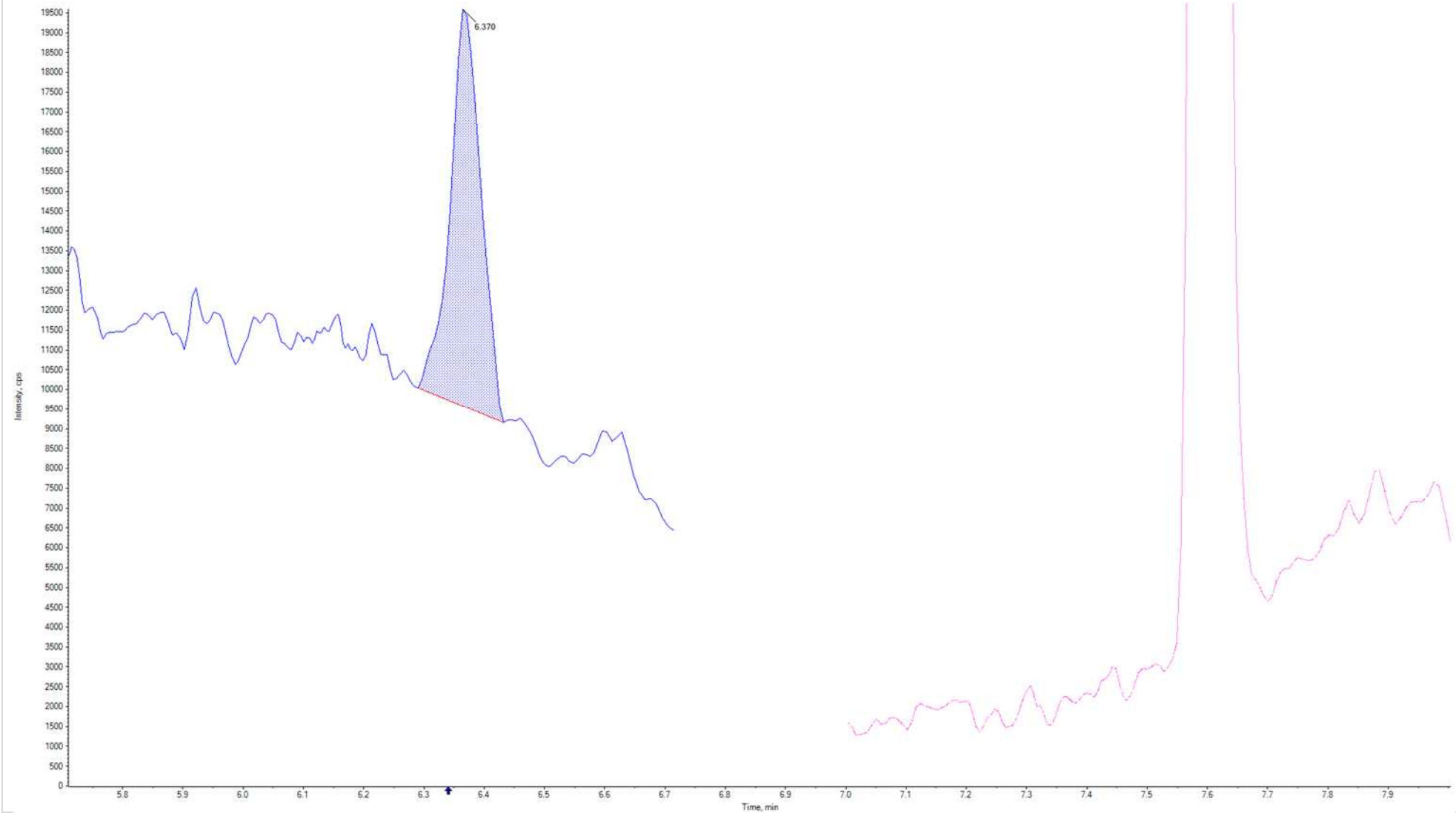
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBS_2
Sample: L2447503-01 S/N:182.9 Points Across peak:22



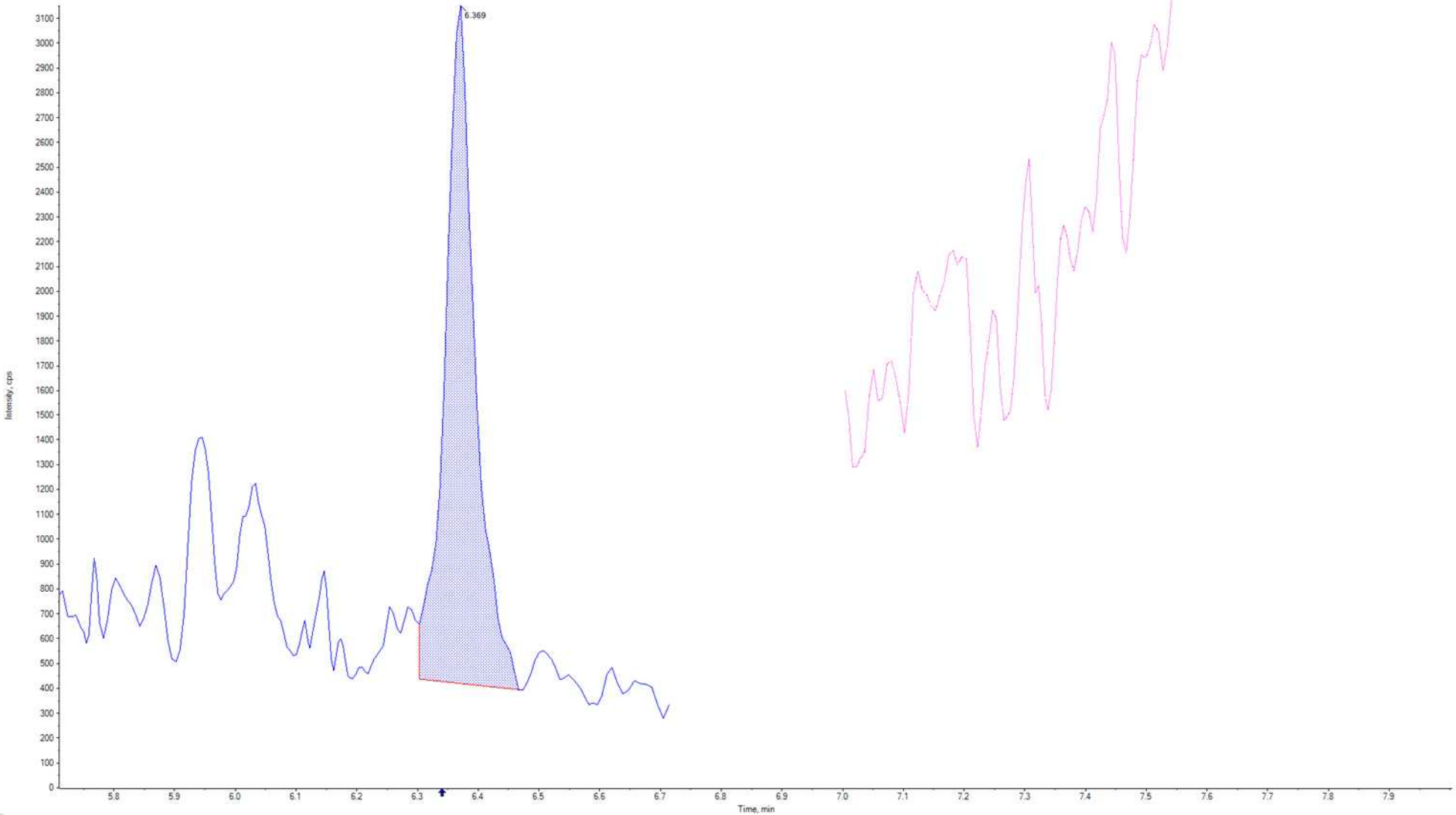
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeS
Sample: L2447503-01 S/N:81.0 Points Across peak:22



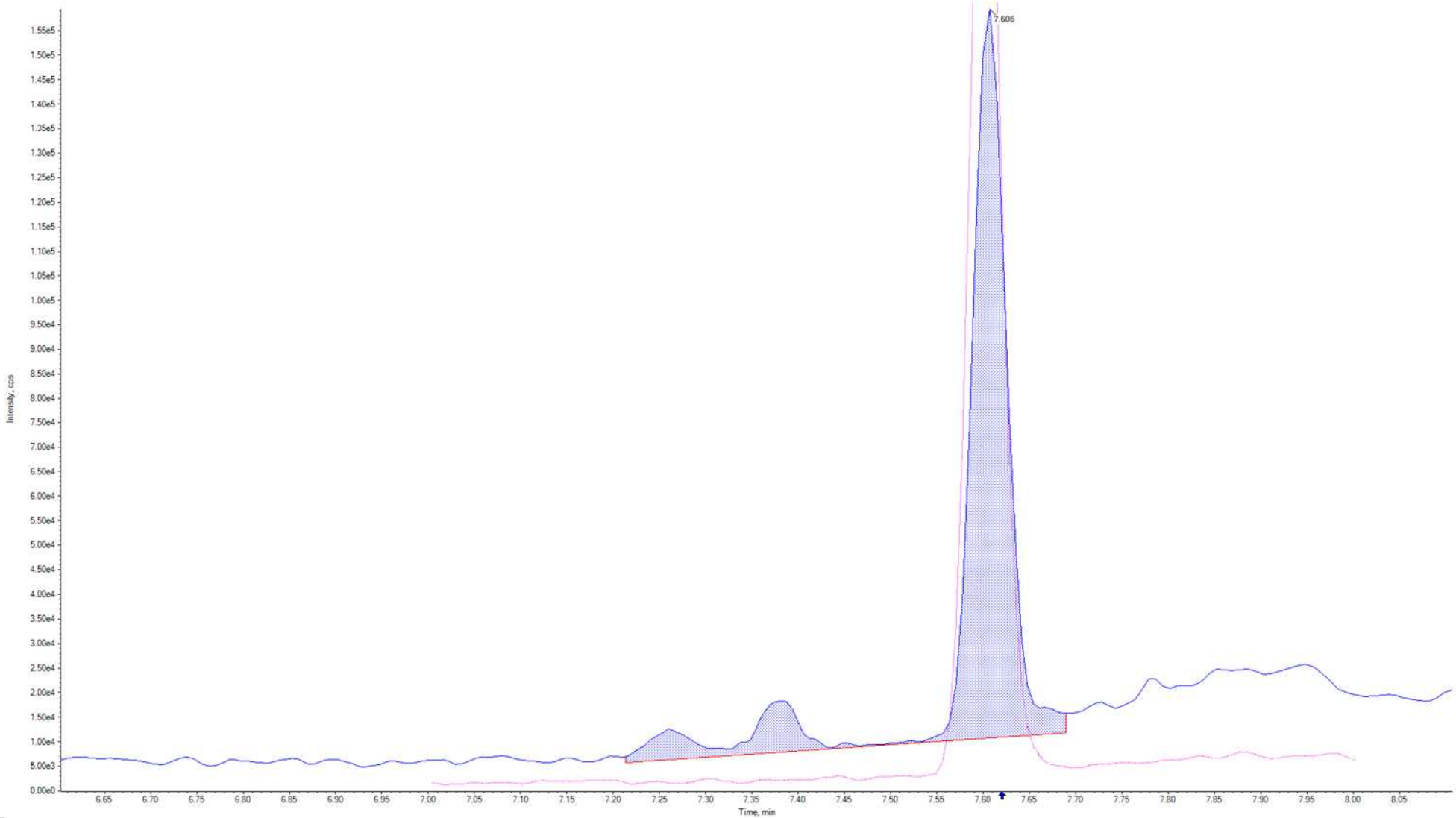
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeS_2
Sample: L2447503-01 S/N:78.3 Points Across peak:25



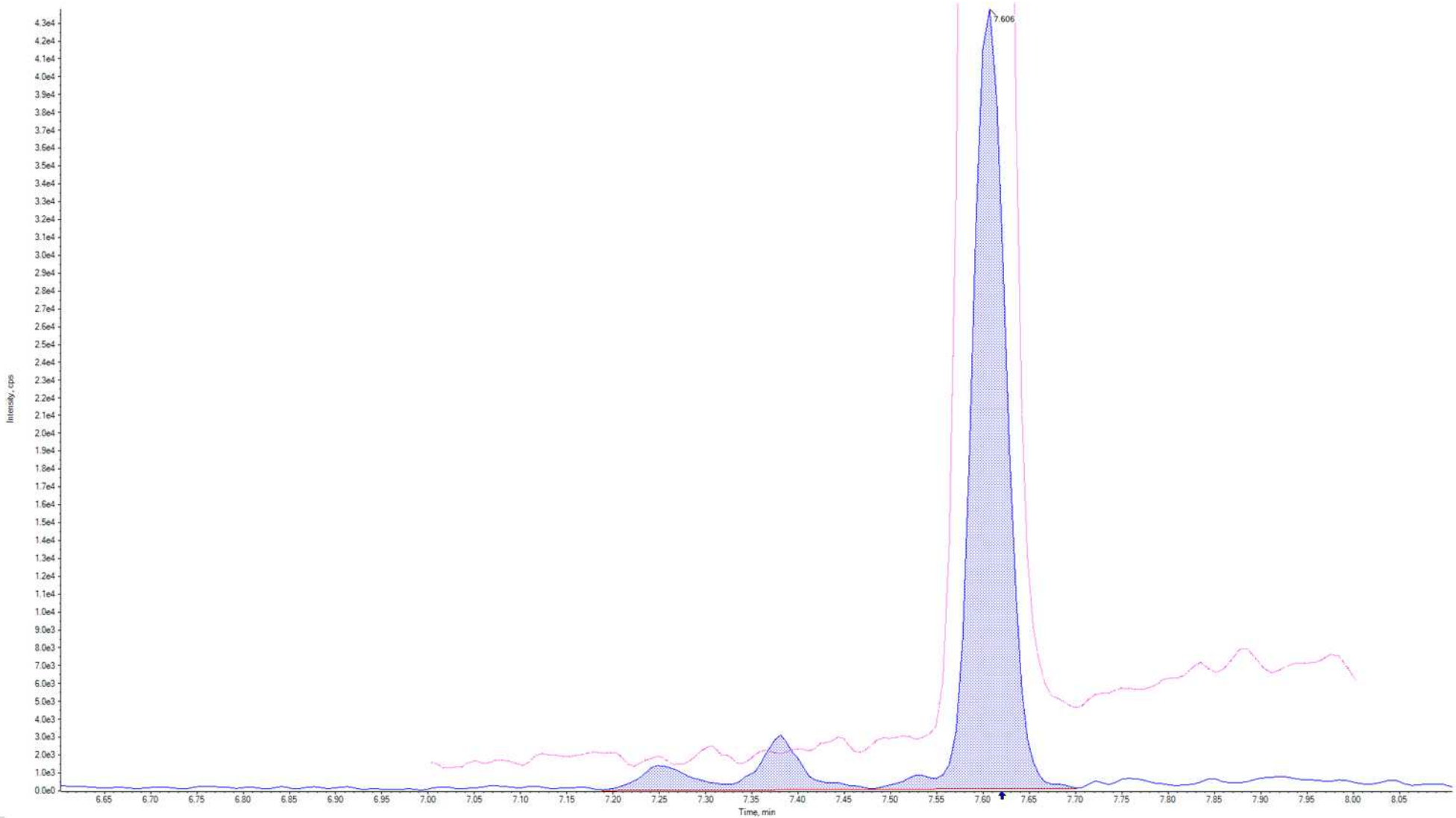
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxS
Sample: L2447503-01 S/N:395.3 Points Across peak:79



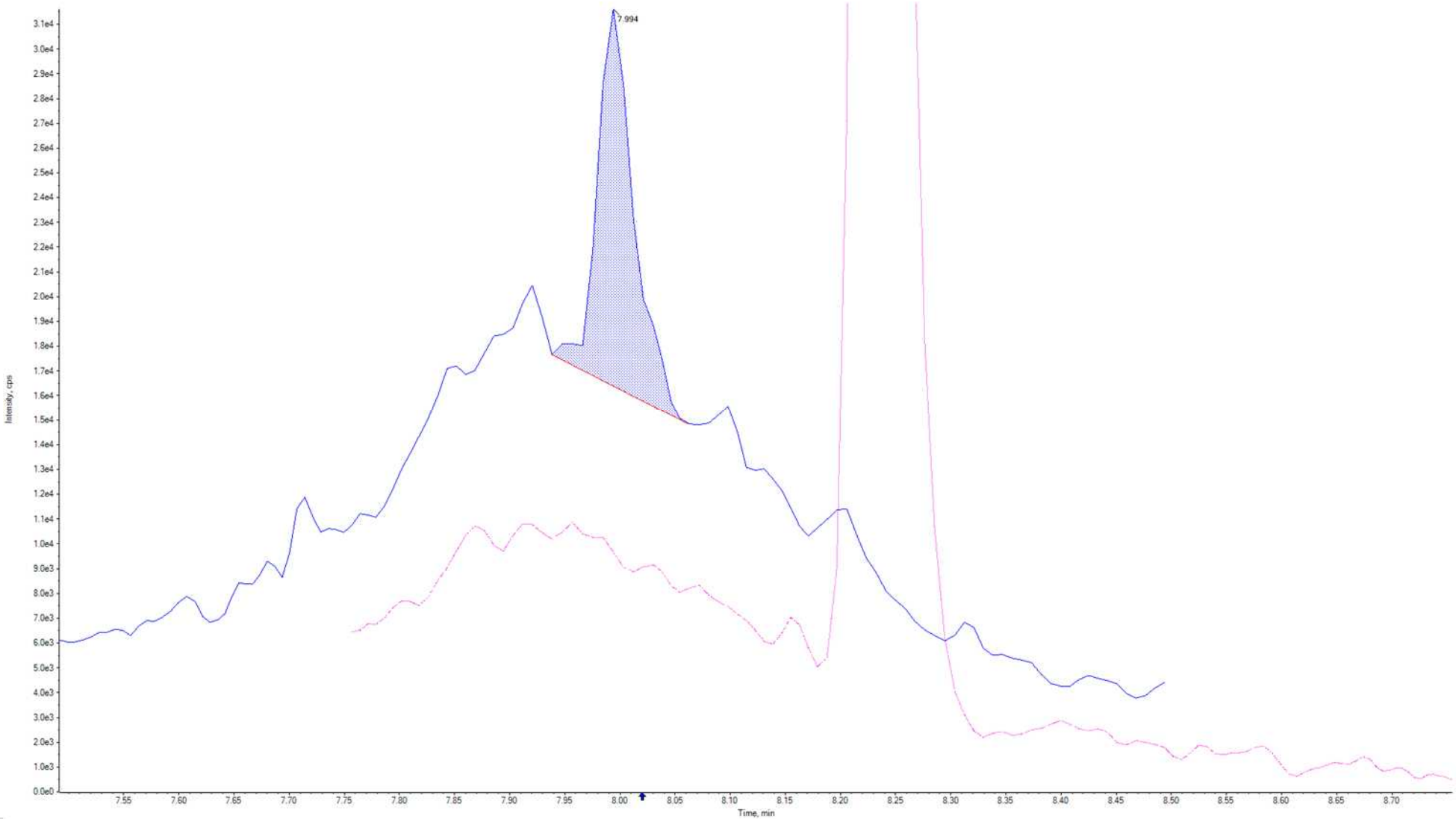
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxS_2
Sample: L2447503-01 S/N:1153.6 Points Across peak:85



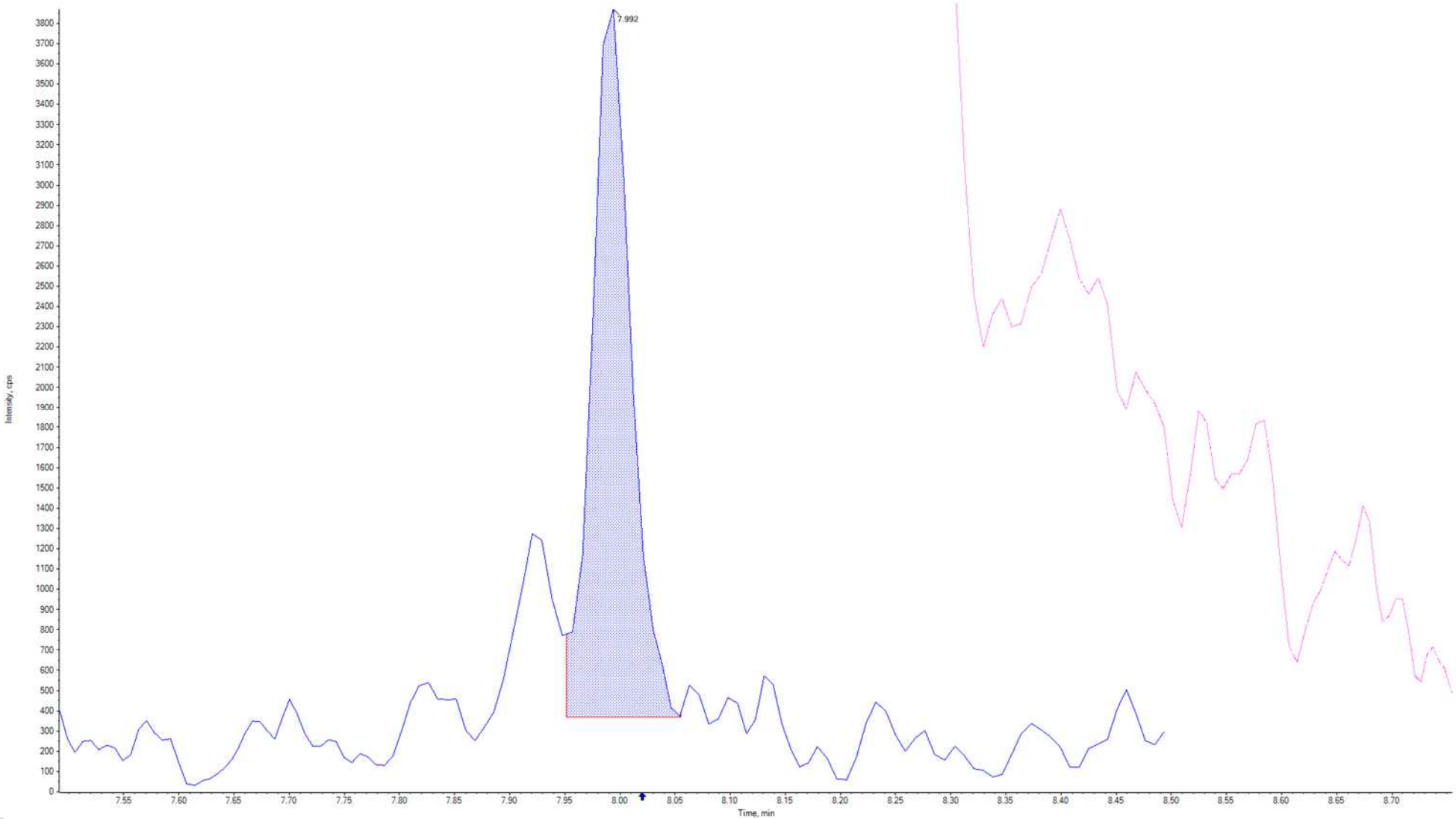
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpS
Sample: L2447503-01 S/N:61.8 Points Across peak:16



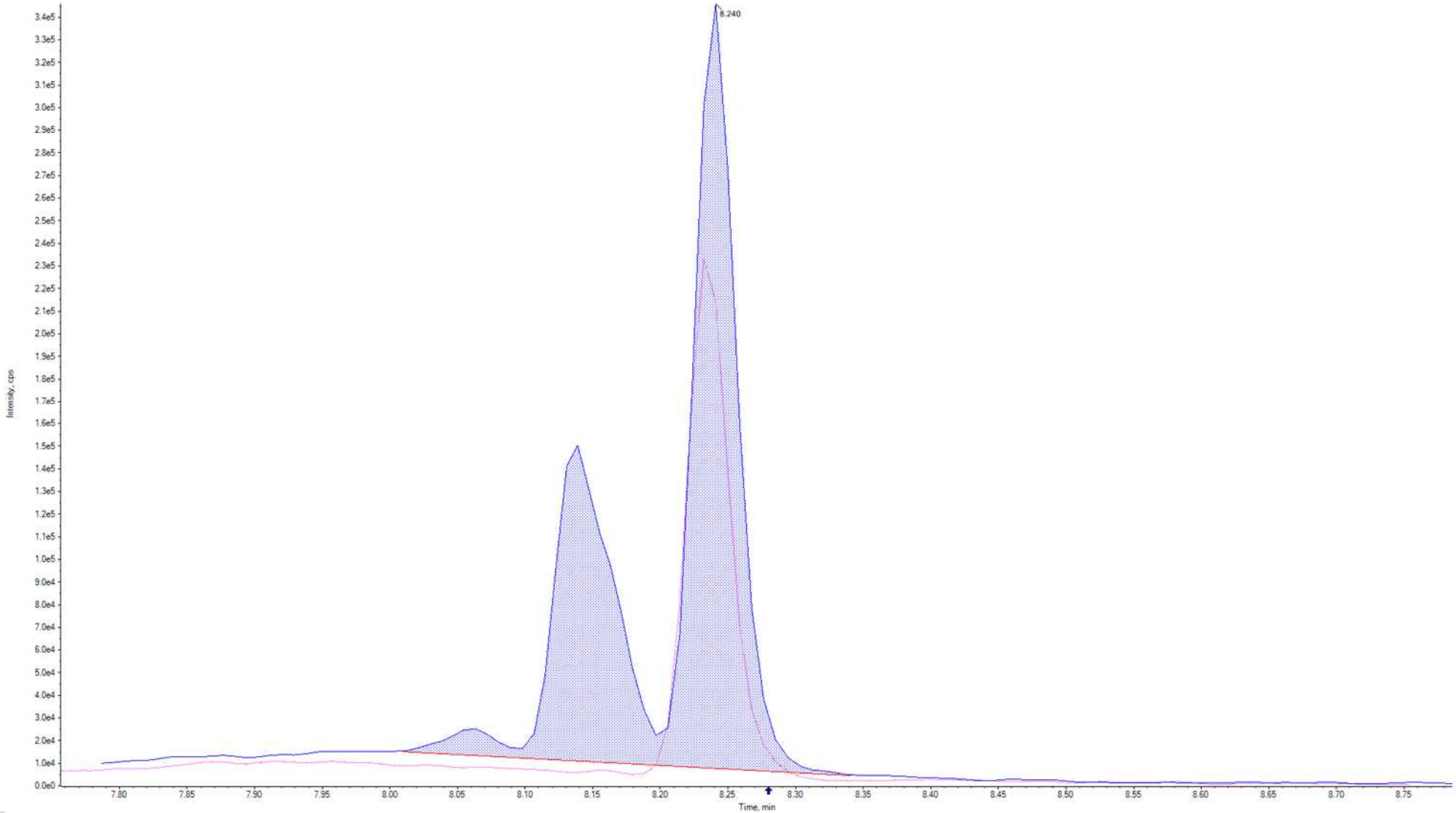
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpS_2
Sample: L2447503-01 S/N:132.0 Points Across peak:14



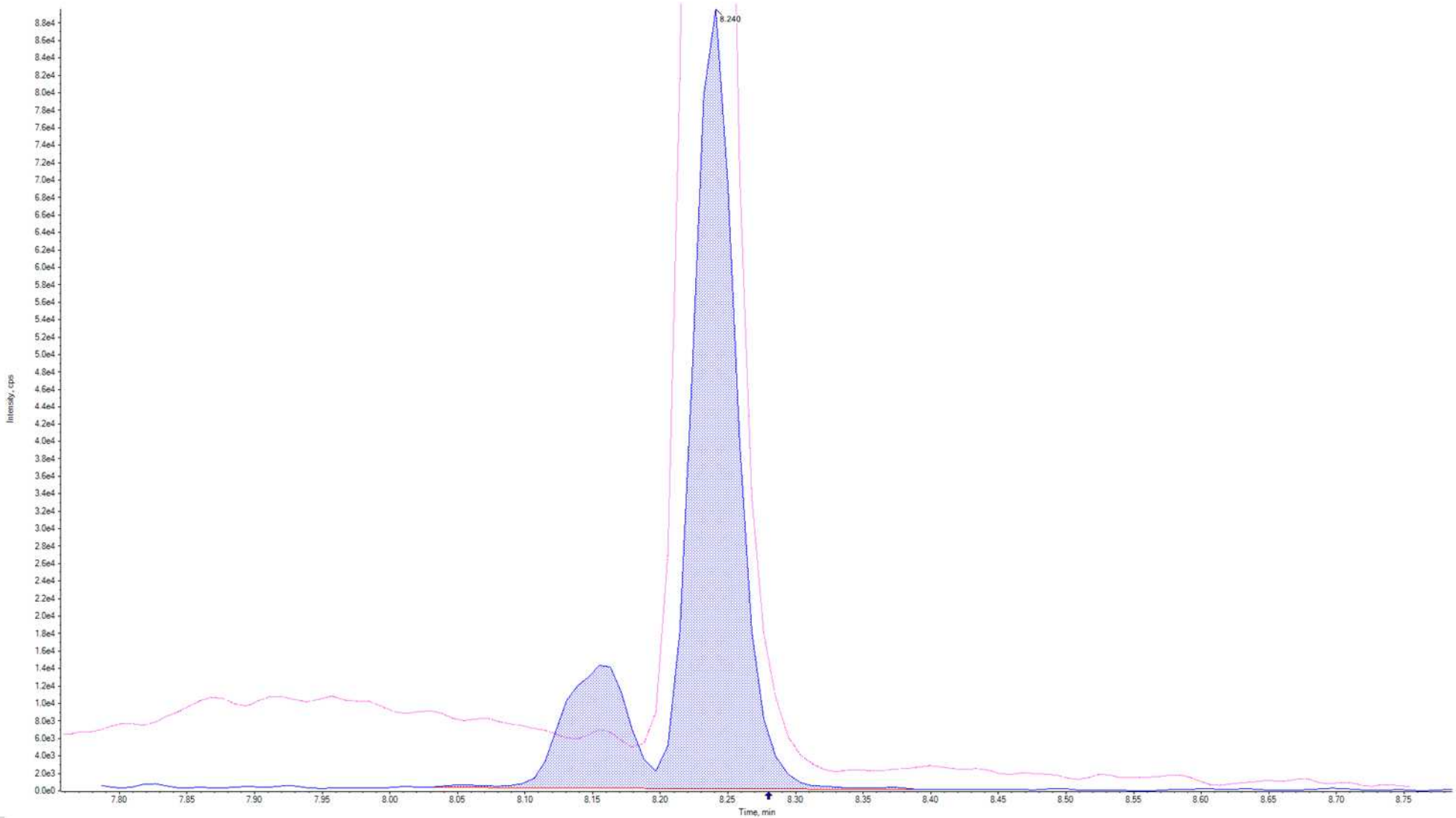
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOS
Sample: L2447503-01 S/N:486.2 Points Across peak:41

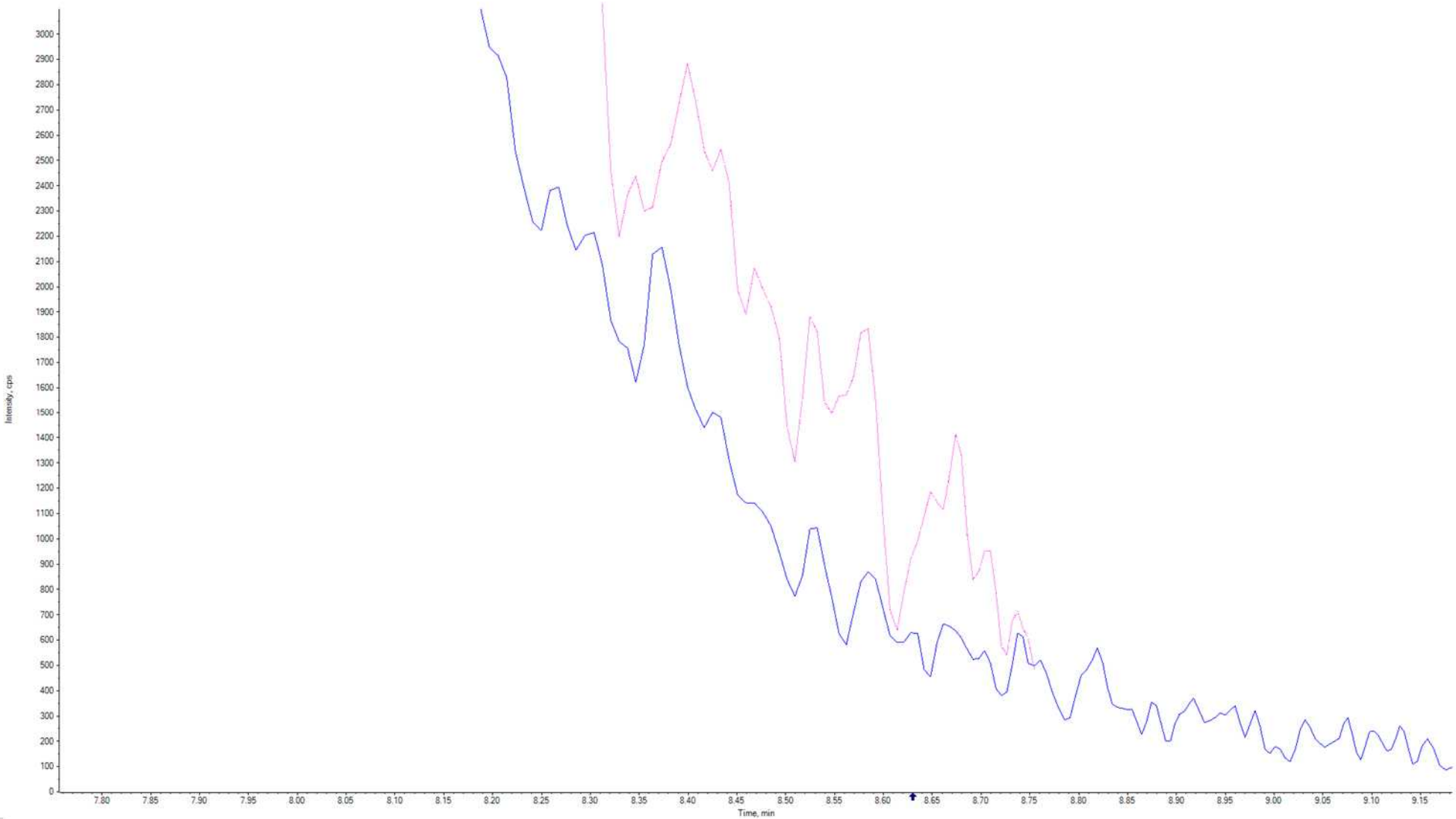


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOS_2
Sample: L2447503-01 S/N:2595.5 Points Across peak:45

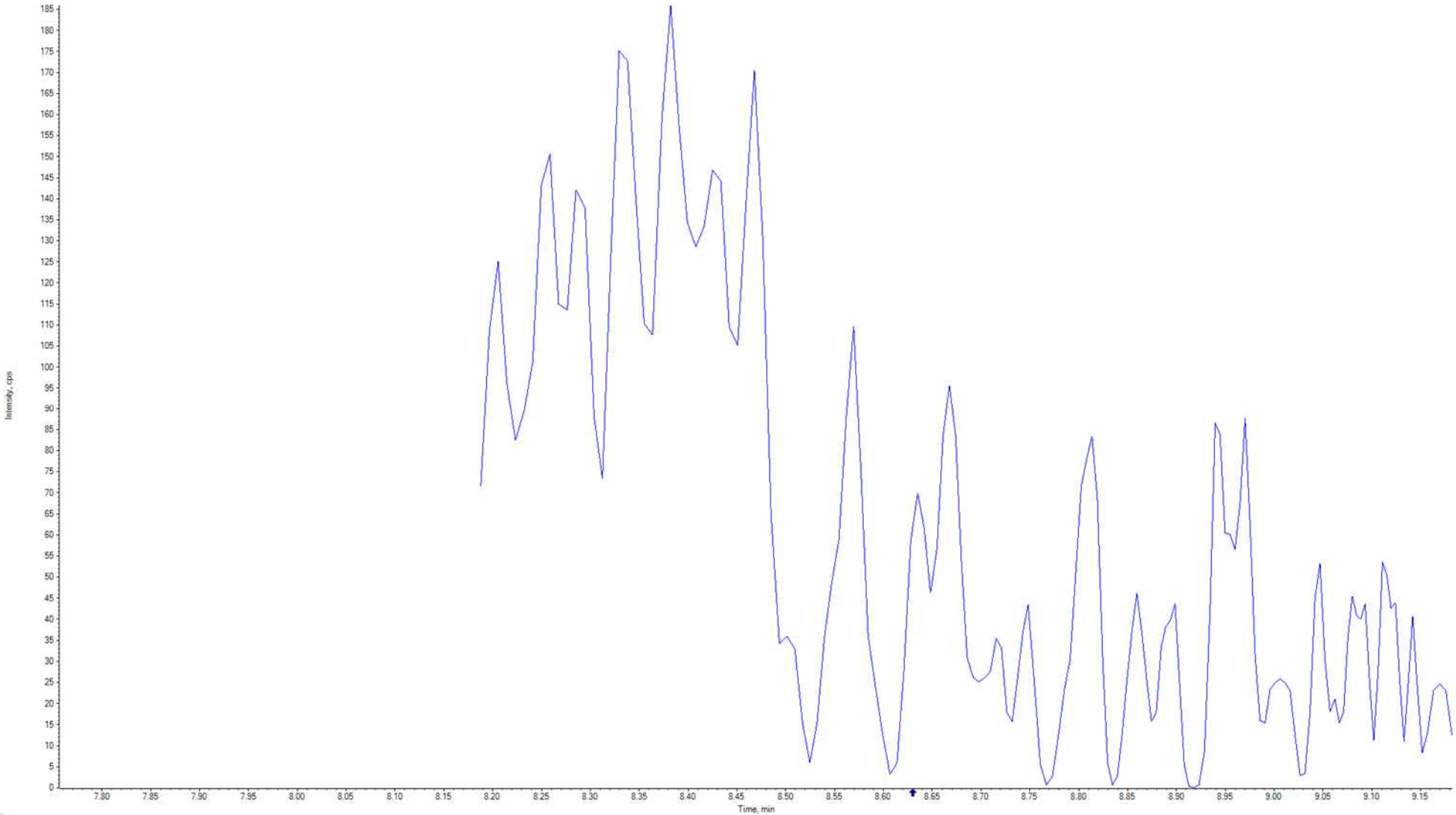


PFNS
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



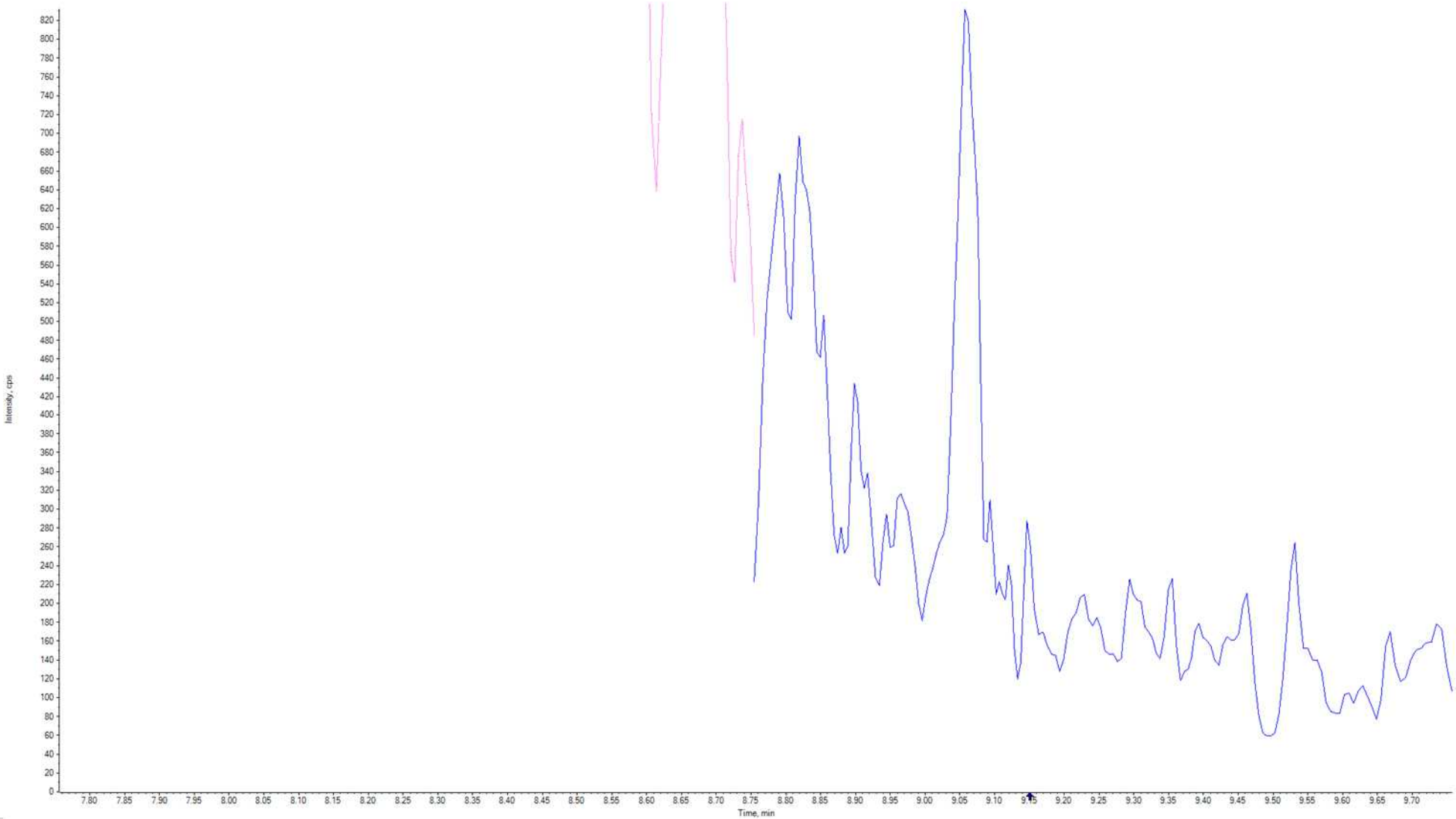
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNS_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



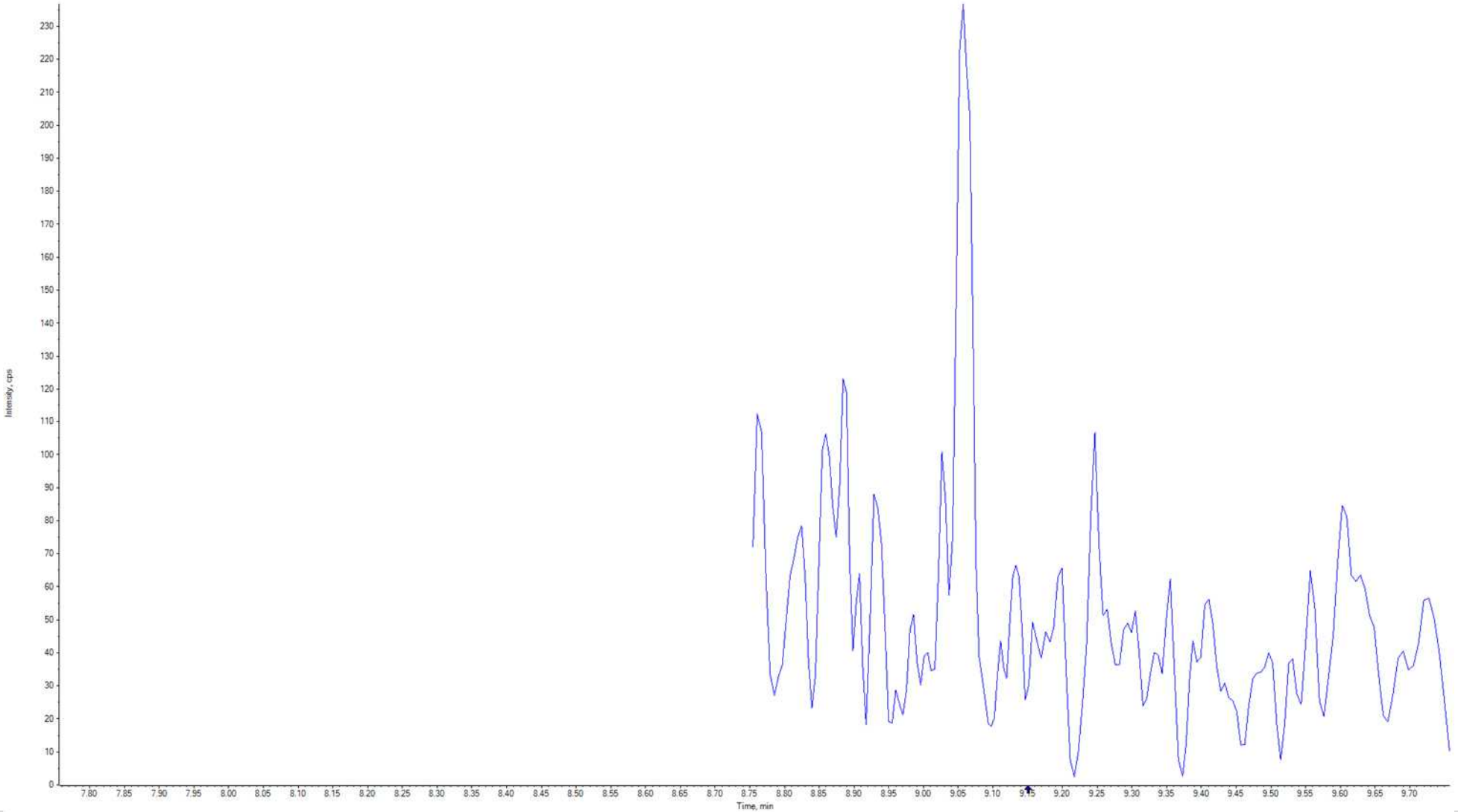
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDS
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



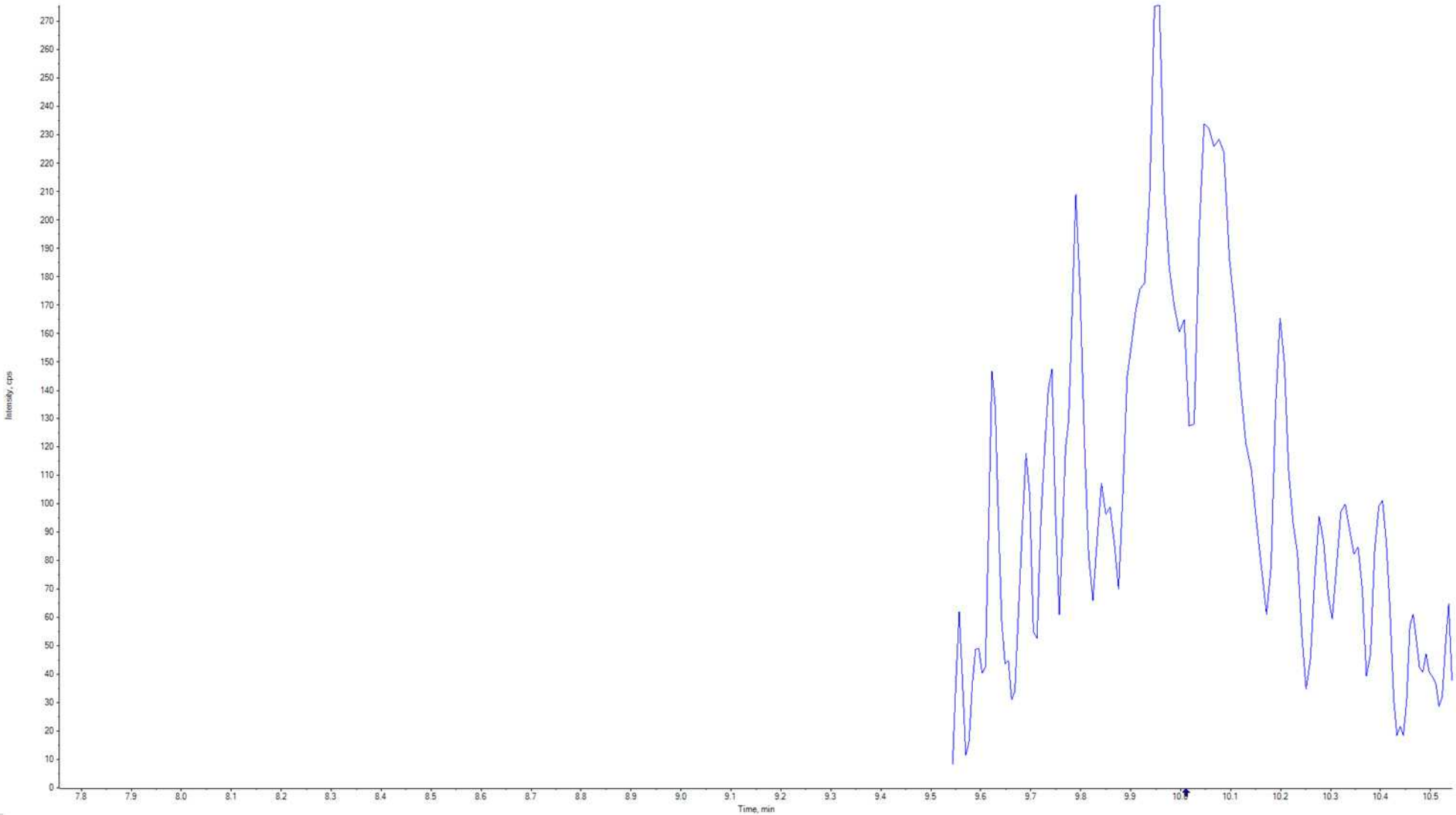
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDS_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



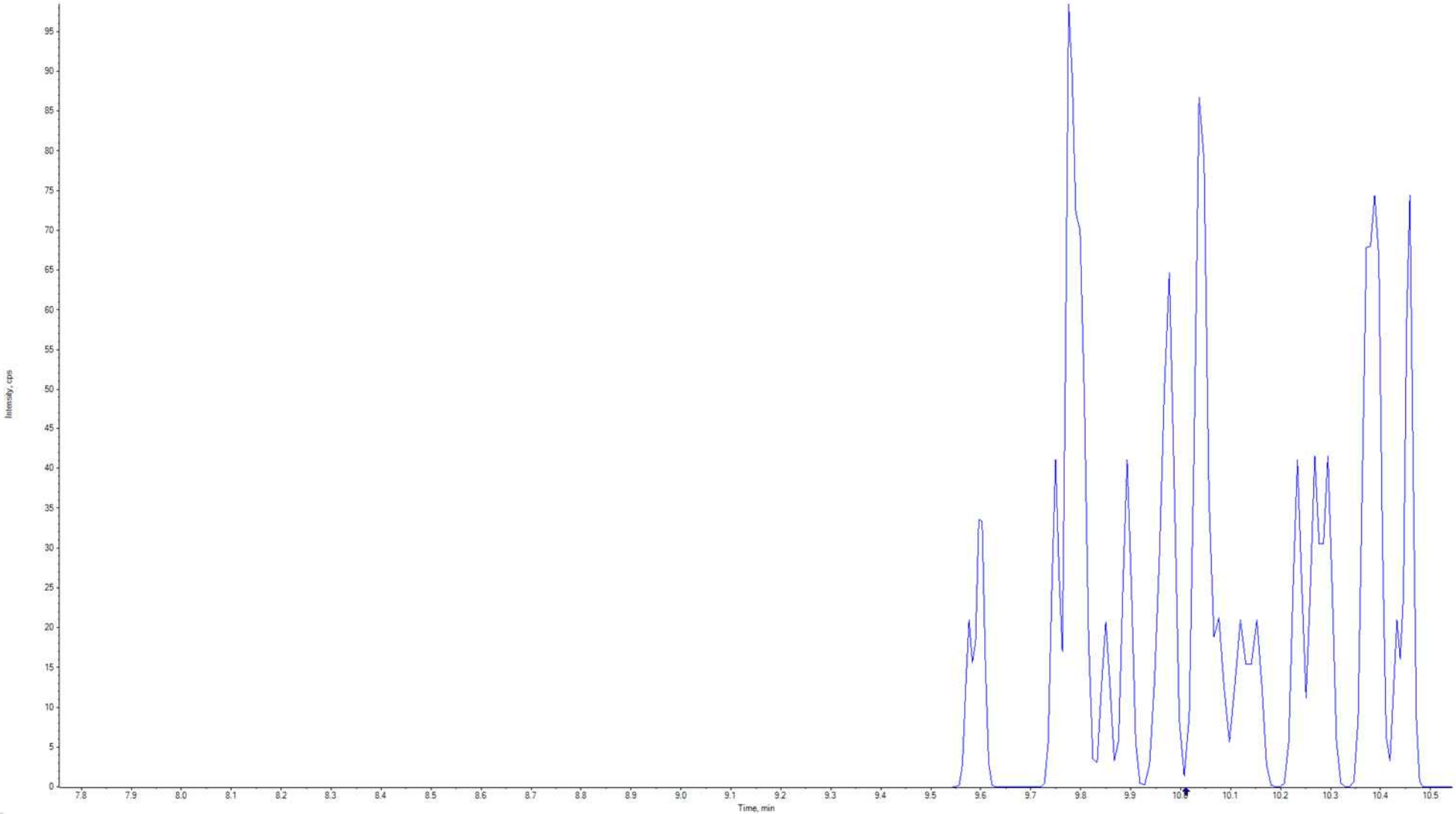
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoS
Sample: L2447503-01 S/N:N/A Points Across peak:N/A

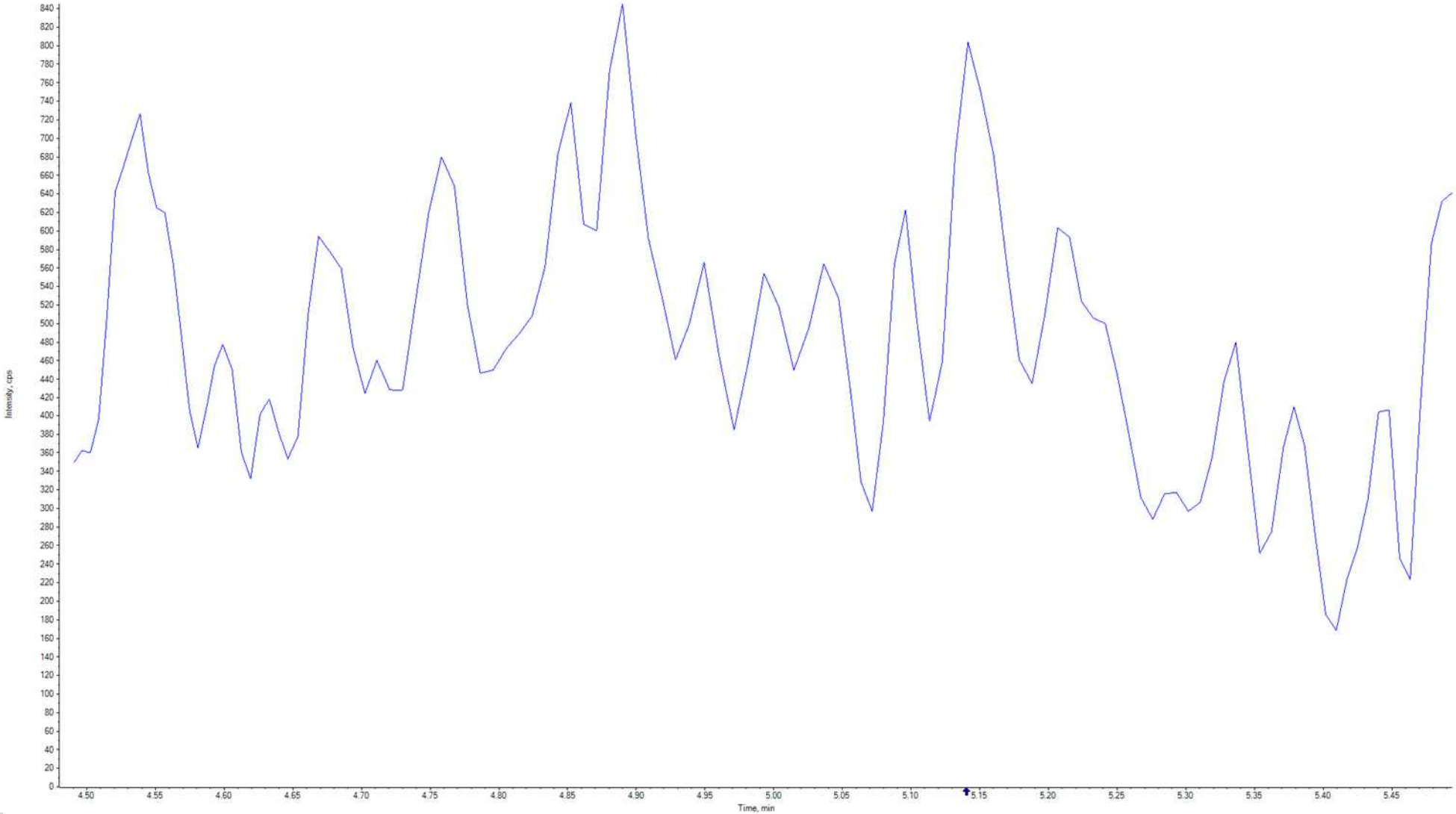


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoS_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A

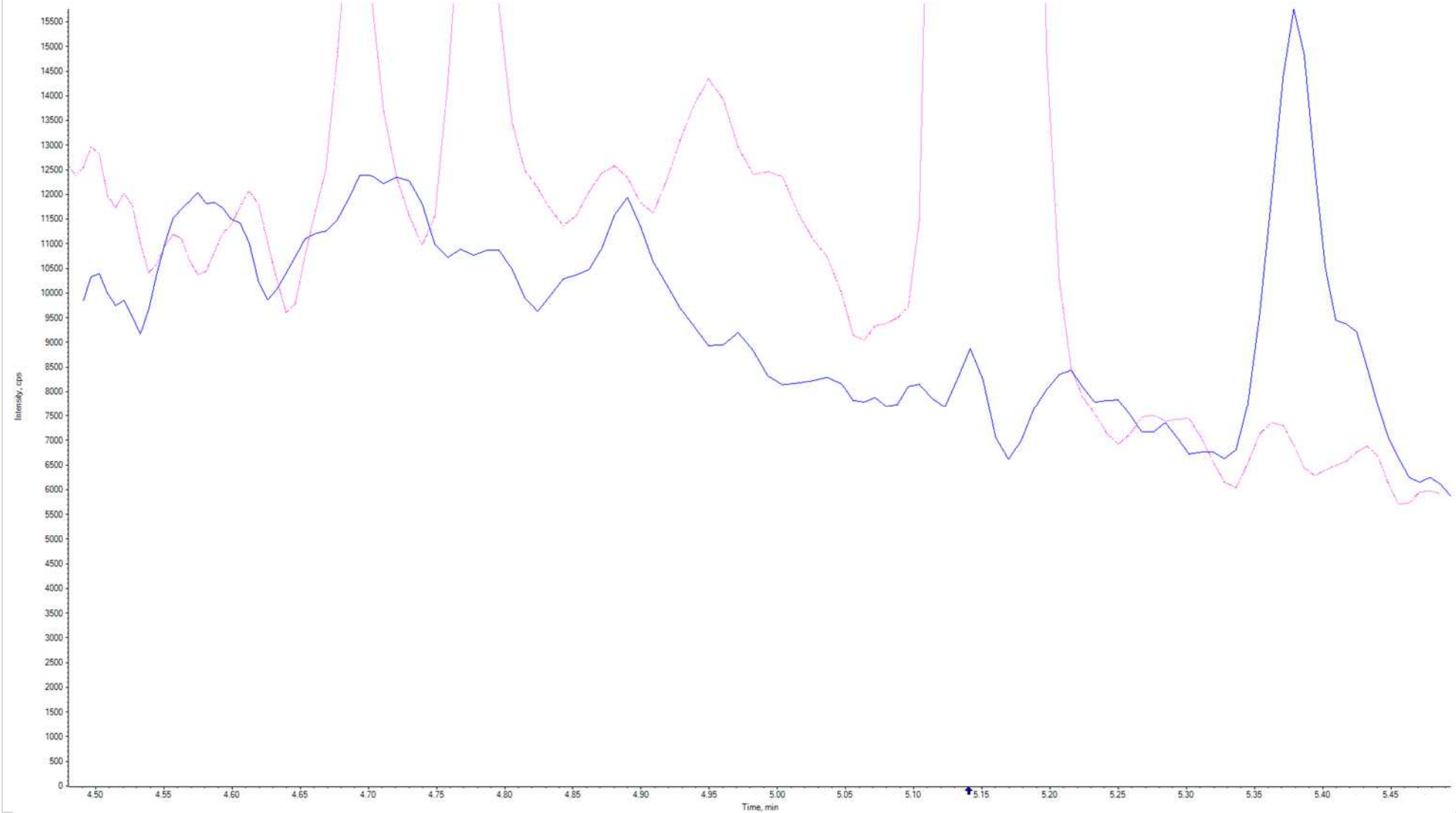


4:2FTS
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



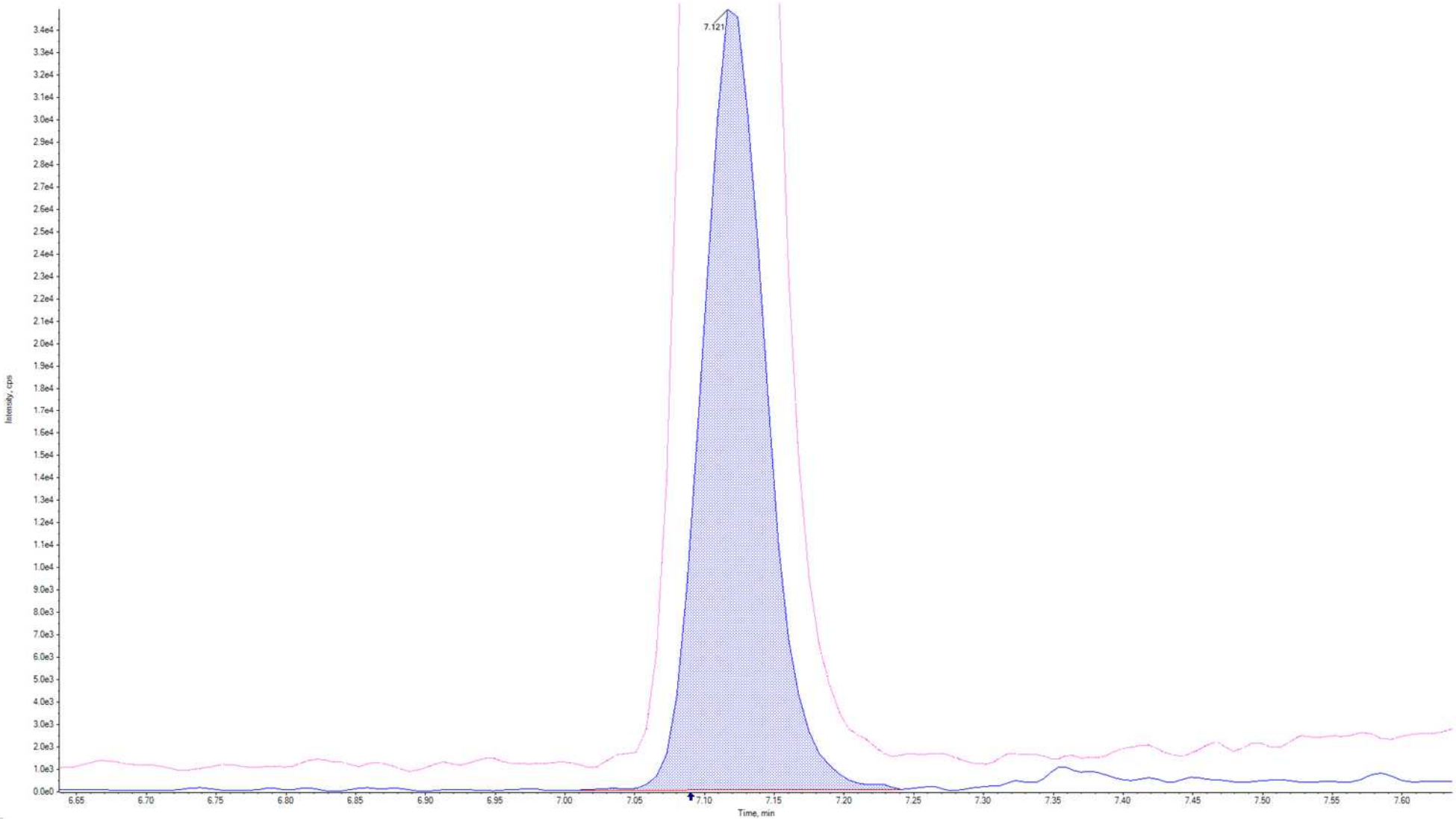
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

4:2FTS_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



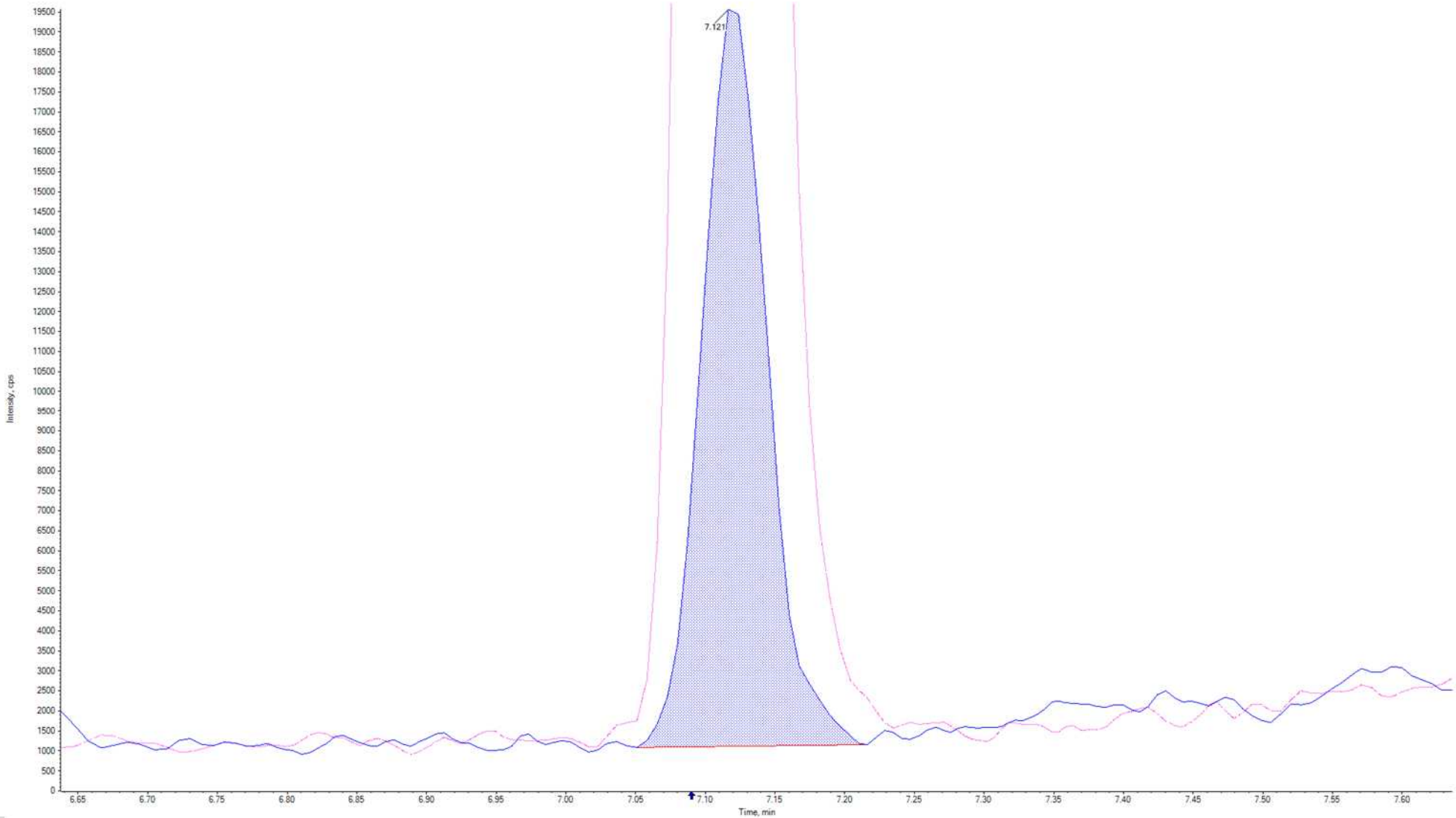
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

6:2FTS
Sample: L2447503-01 S/N:1475.5 Points Across peak:35



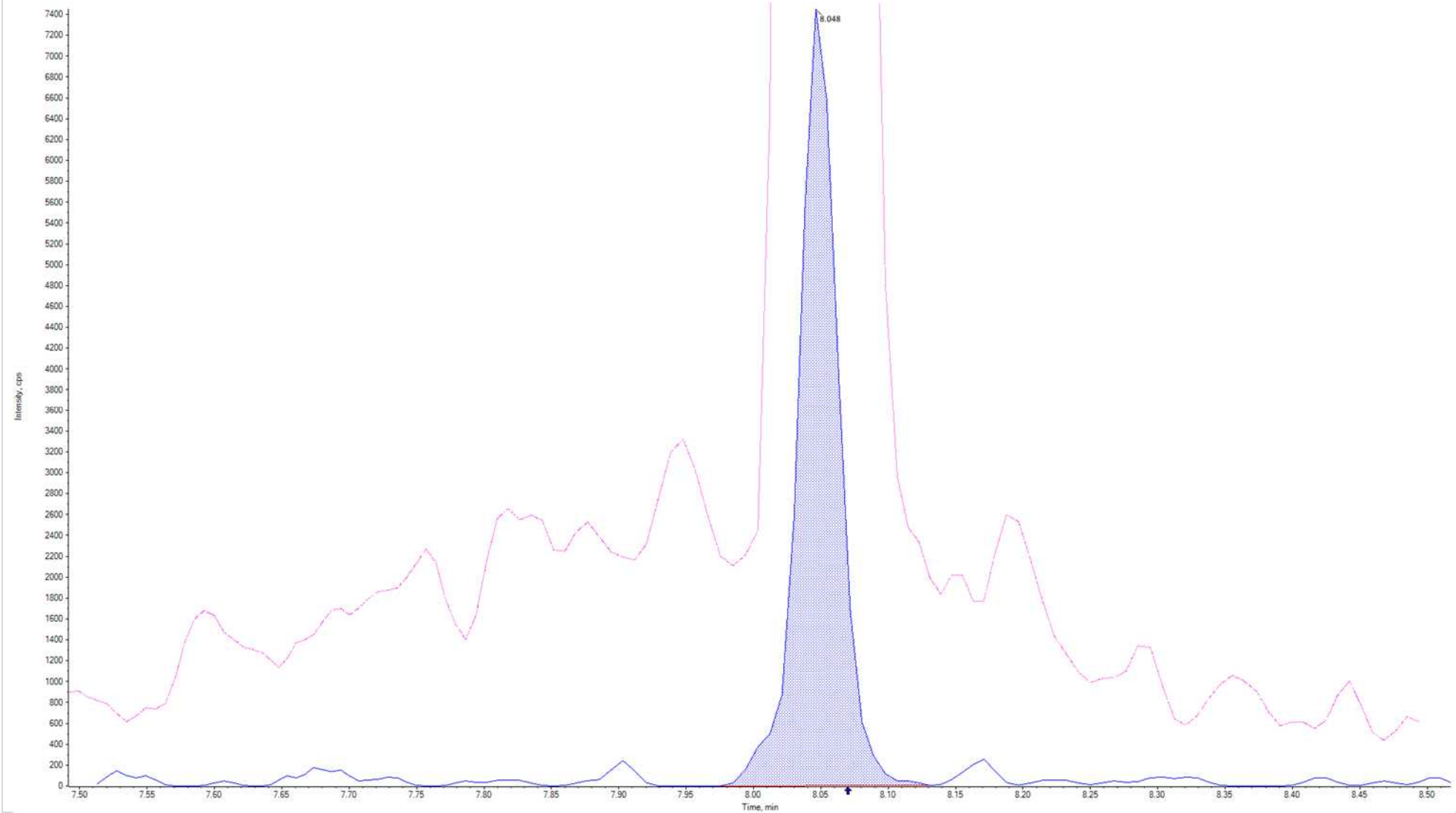
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

6:2FTS_2
Sample: L2447503-01 S/N:199.1 Points Across peak:24

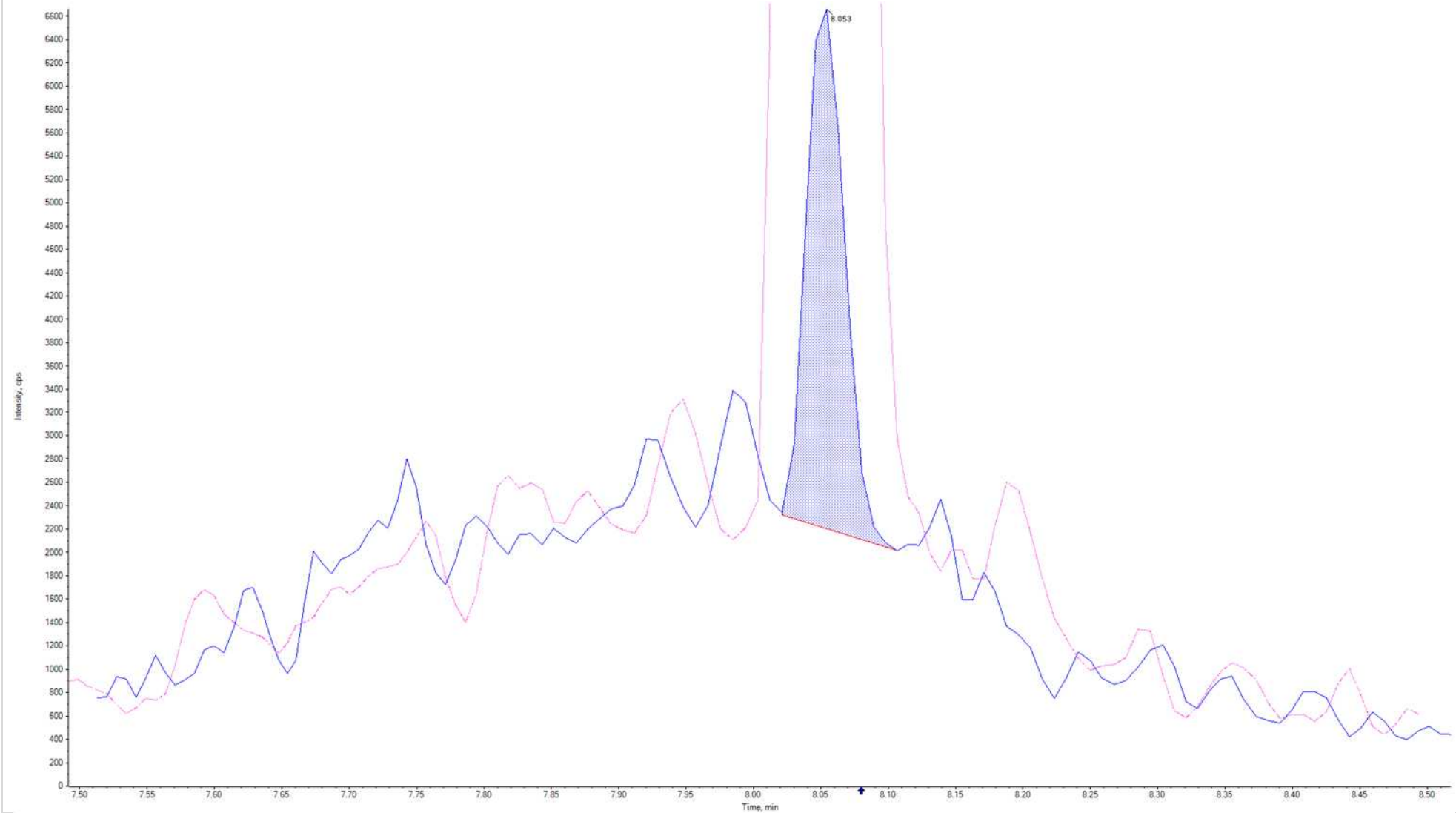


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

8:2FTS
Sample: L2447503-01 S/N:62575.8 Points Across peak:20

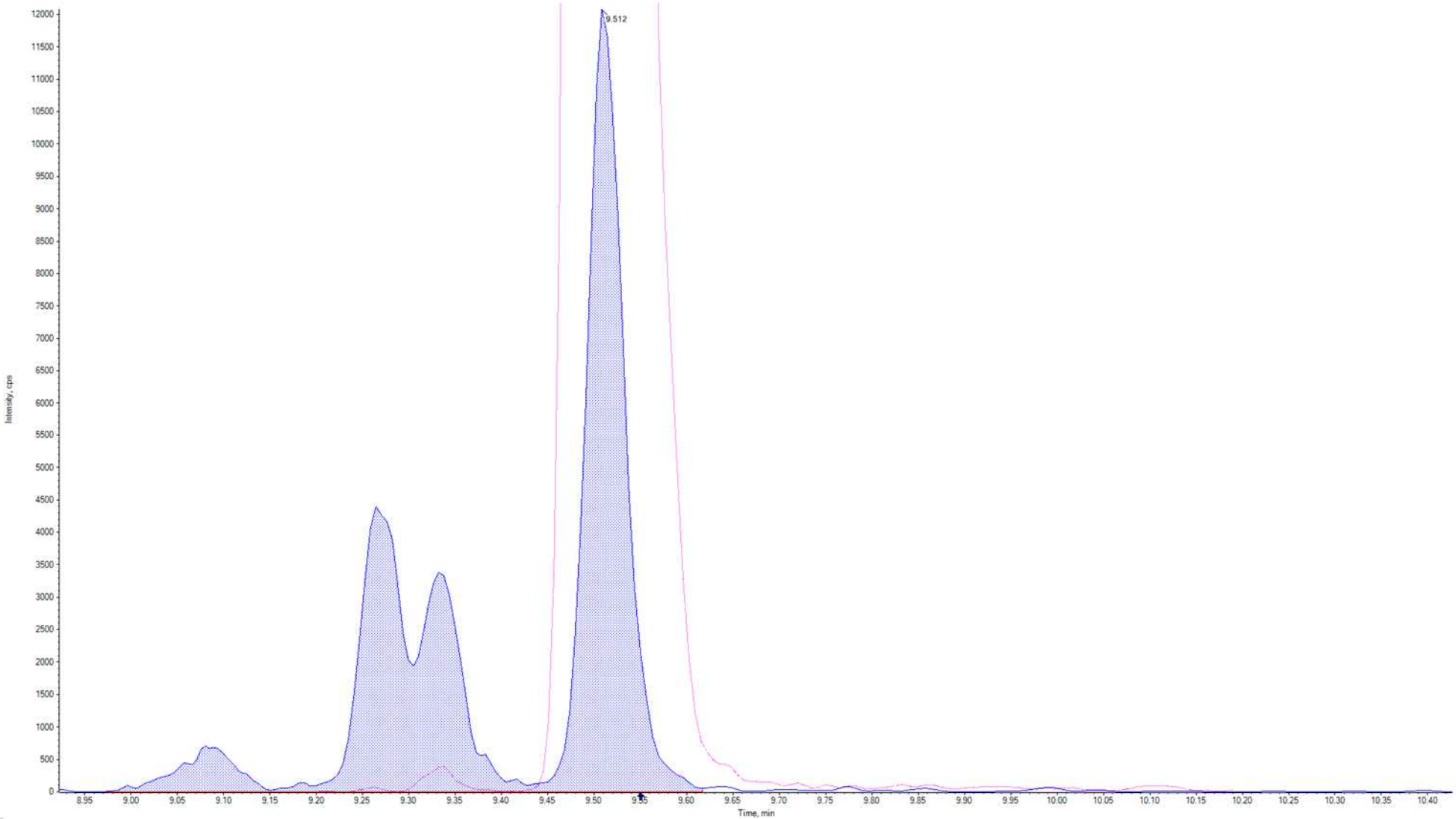


8:2FTS_2
Sample: L2447503-01 S/N:50.5 Points Across peak:11



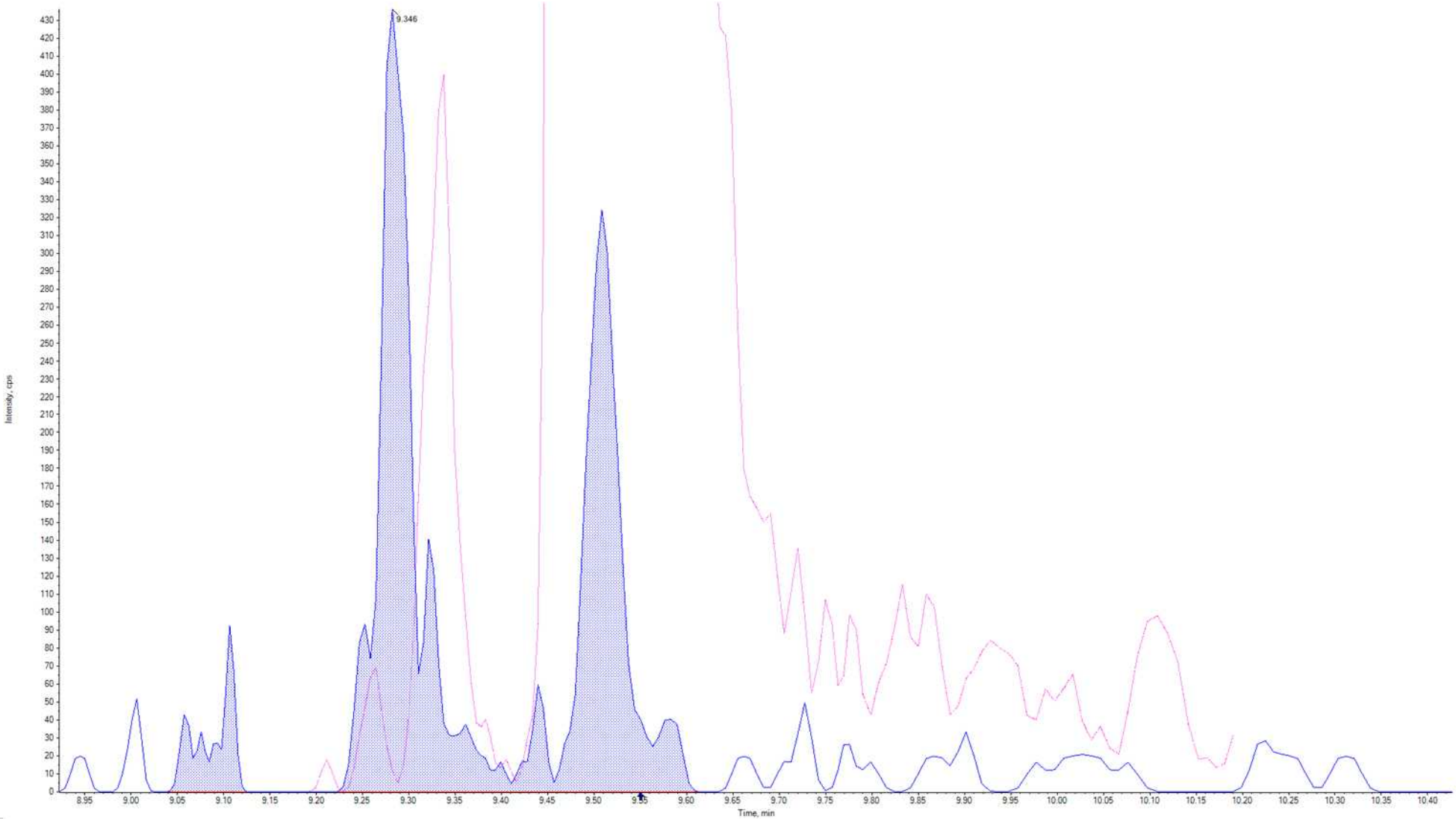
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOSA
Sample: L2447503-01 S/N:339475.2 Points Across peak:120



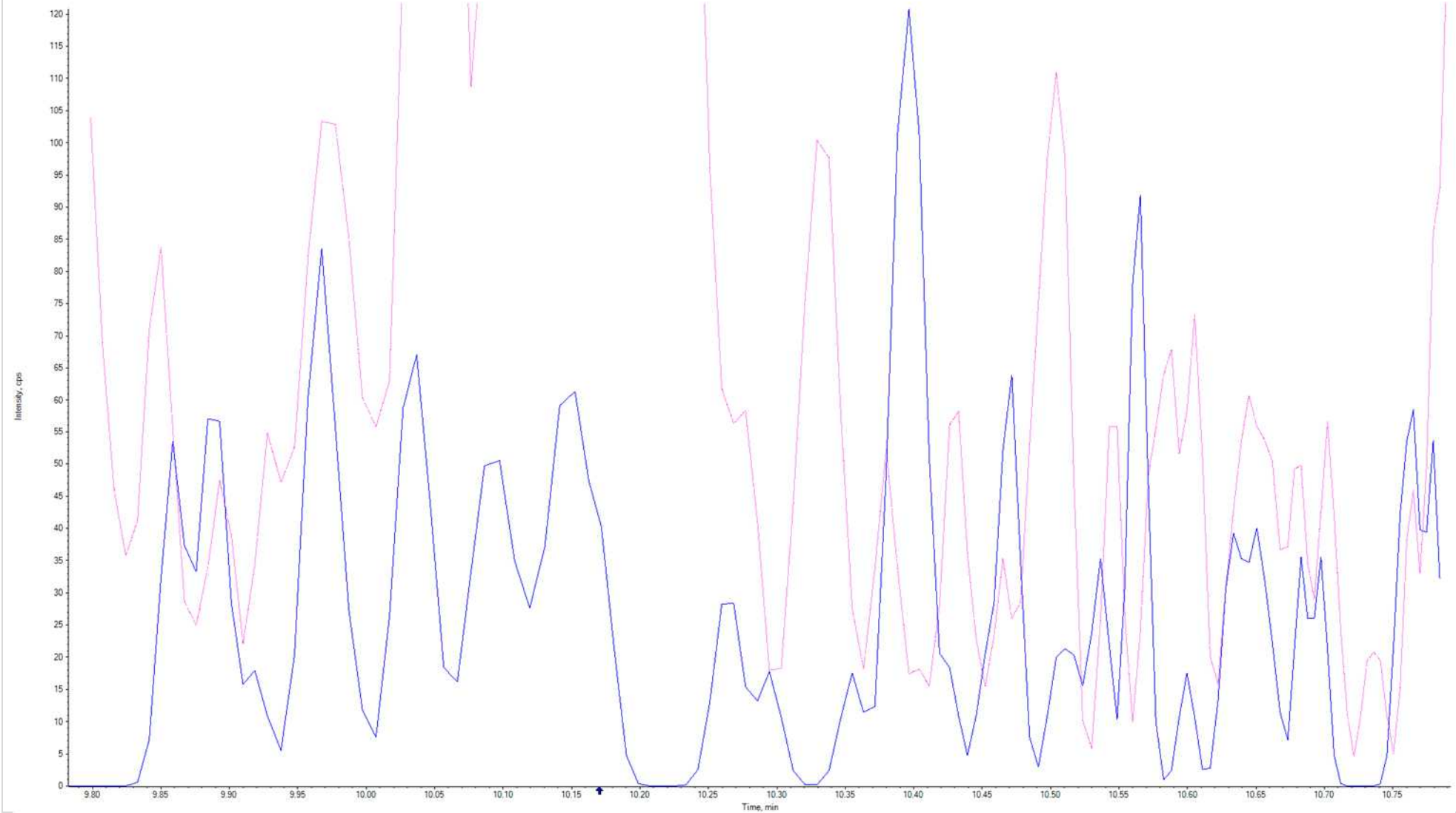
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOSA_2
Sample: L2447503-01 S/N:63.8 Points Across peak:106

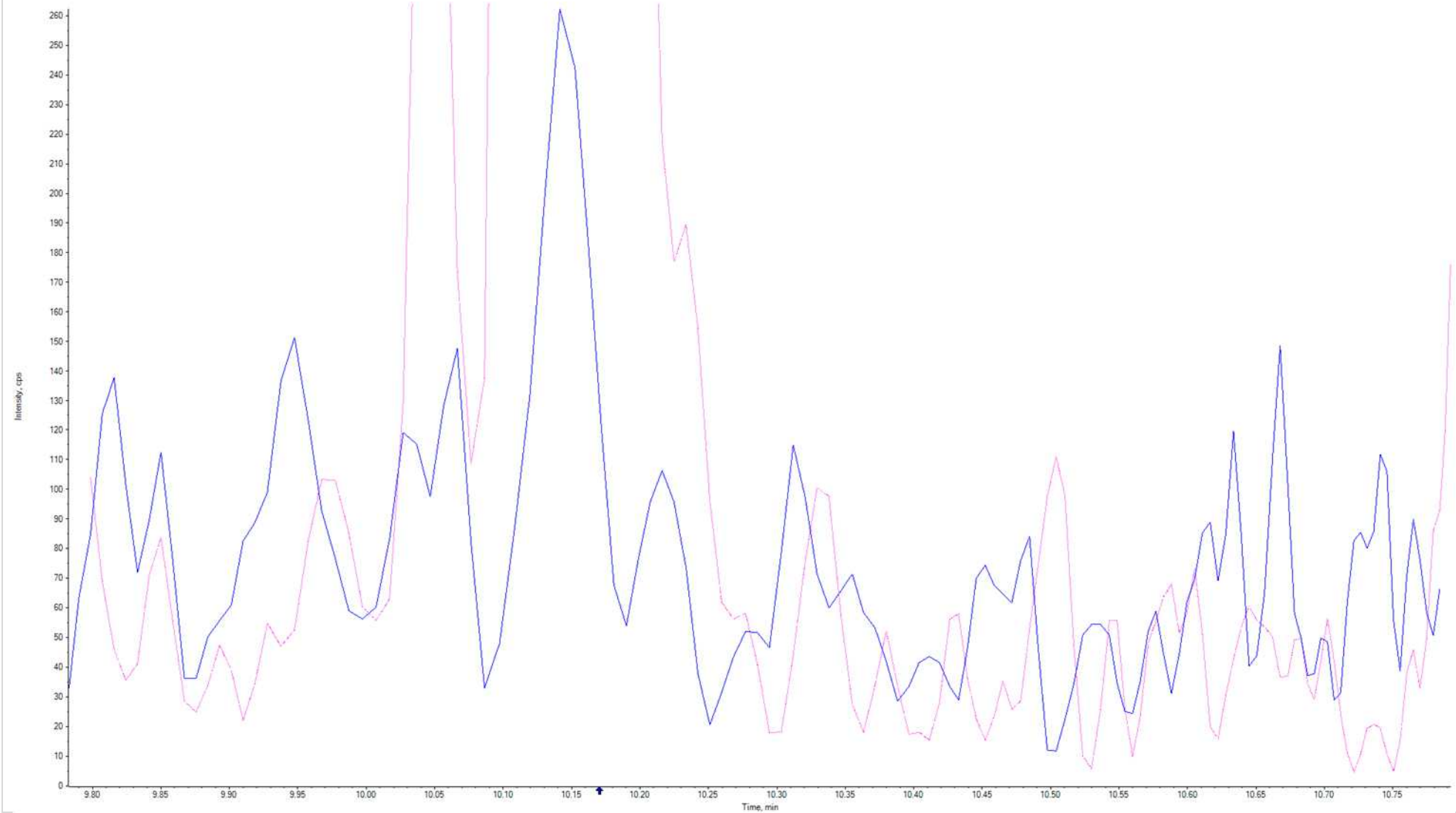


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A

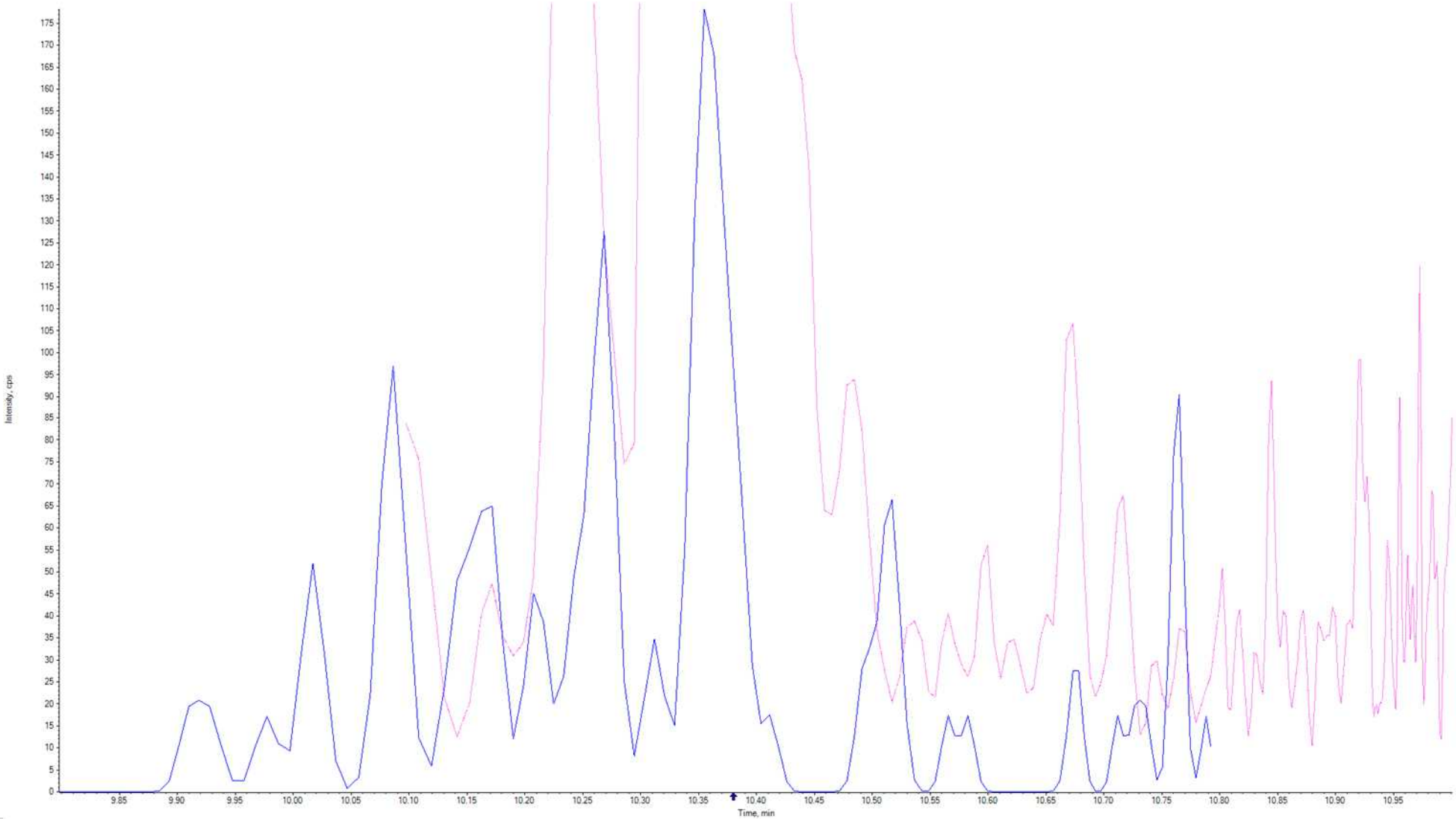


NMeFOSA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



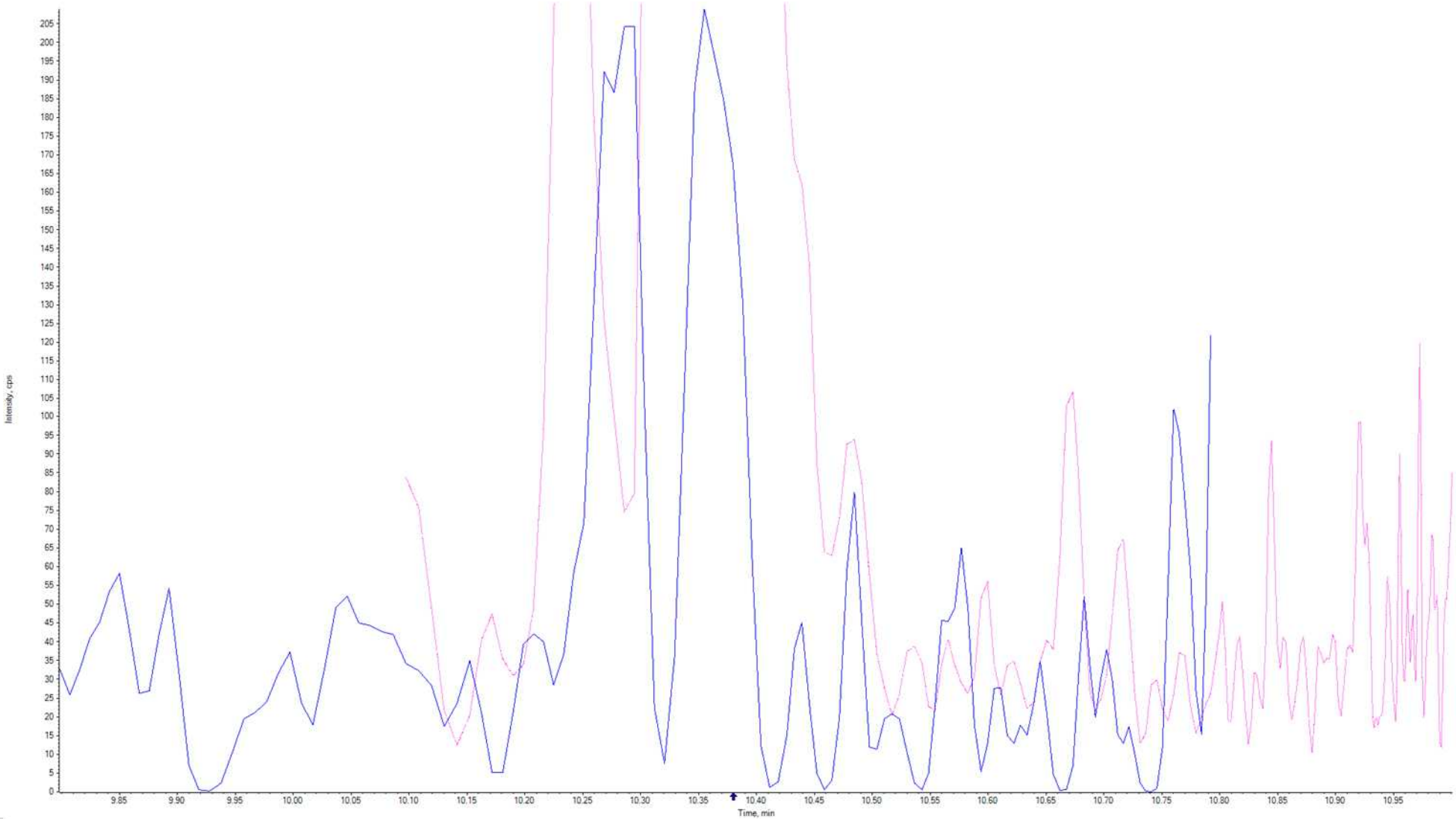
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



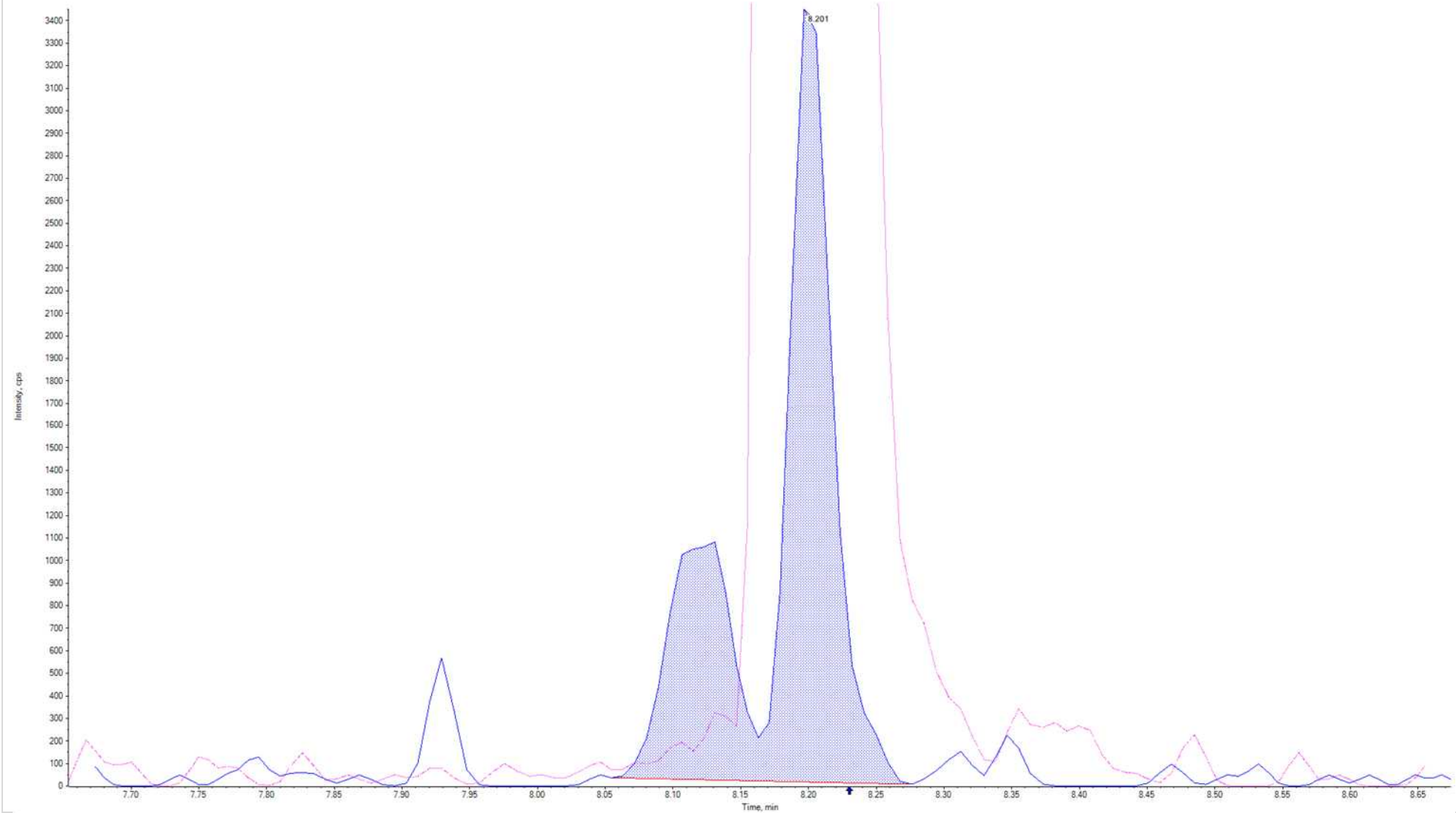
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



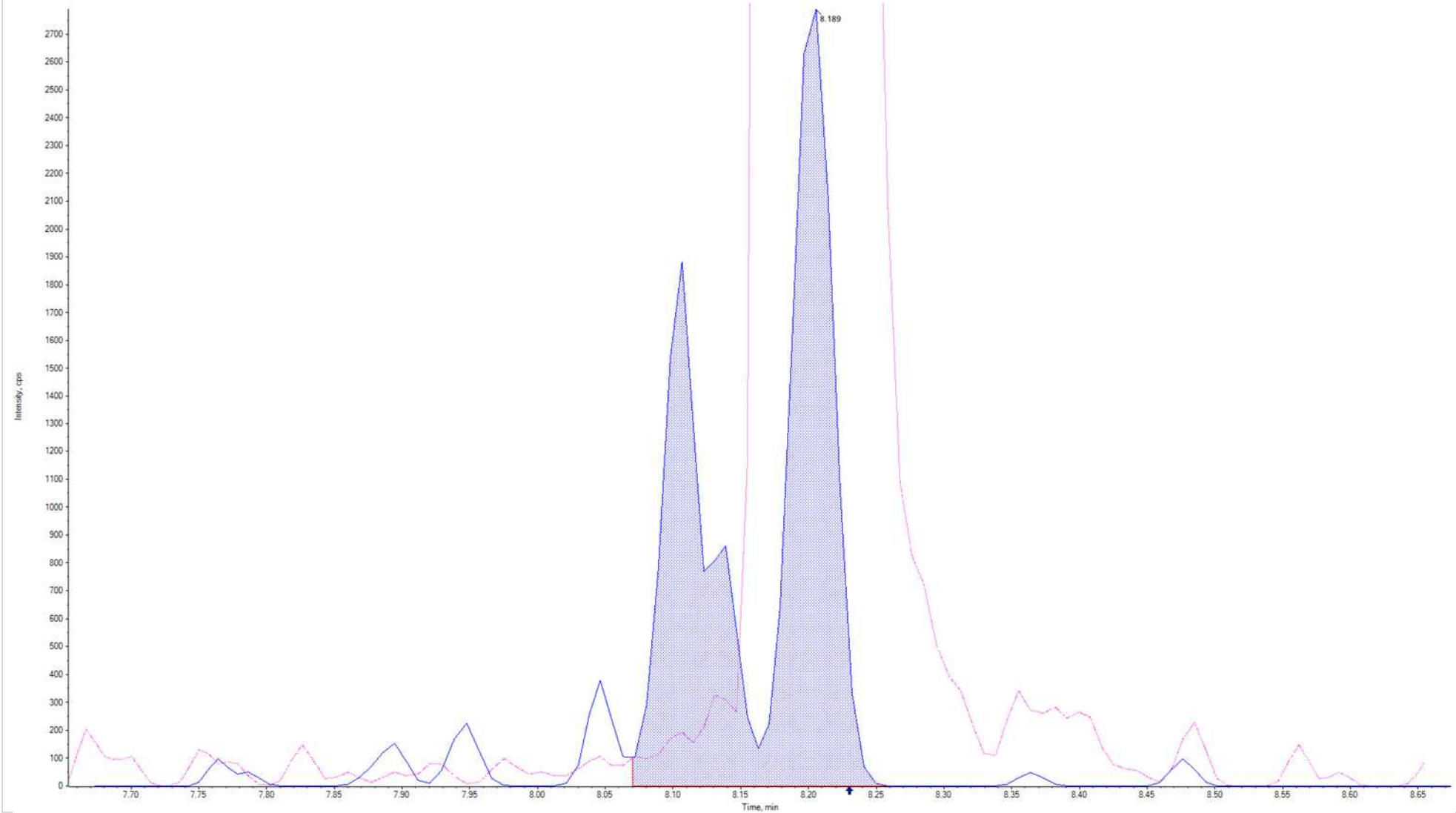
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSAA
Sample: L2447503-01 S/N:79.3 Points Across peak:27



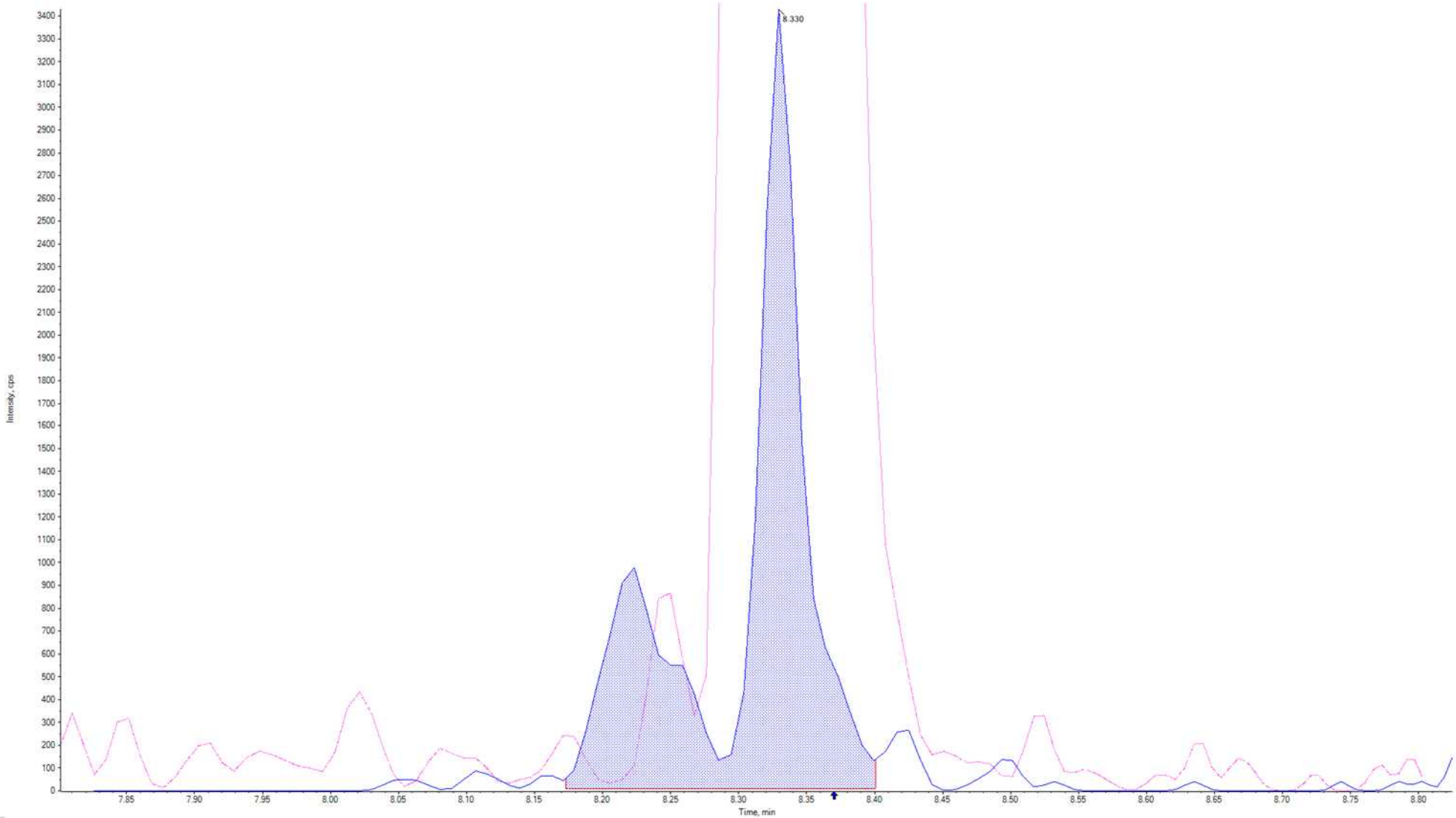
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSAA_2
Sample: L2447503-01 S/N:82.8 Points Across peak:24



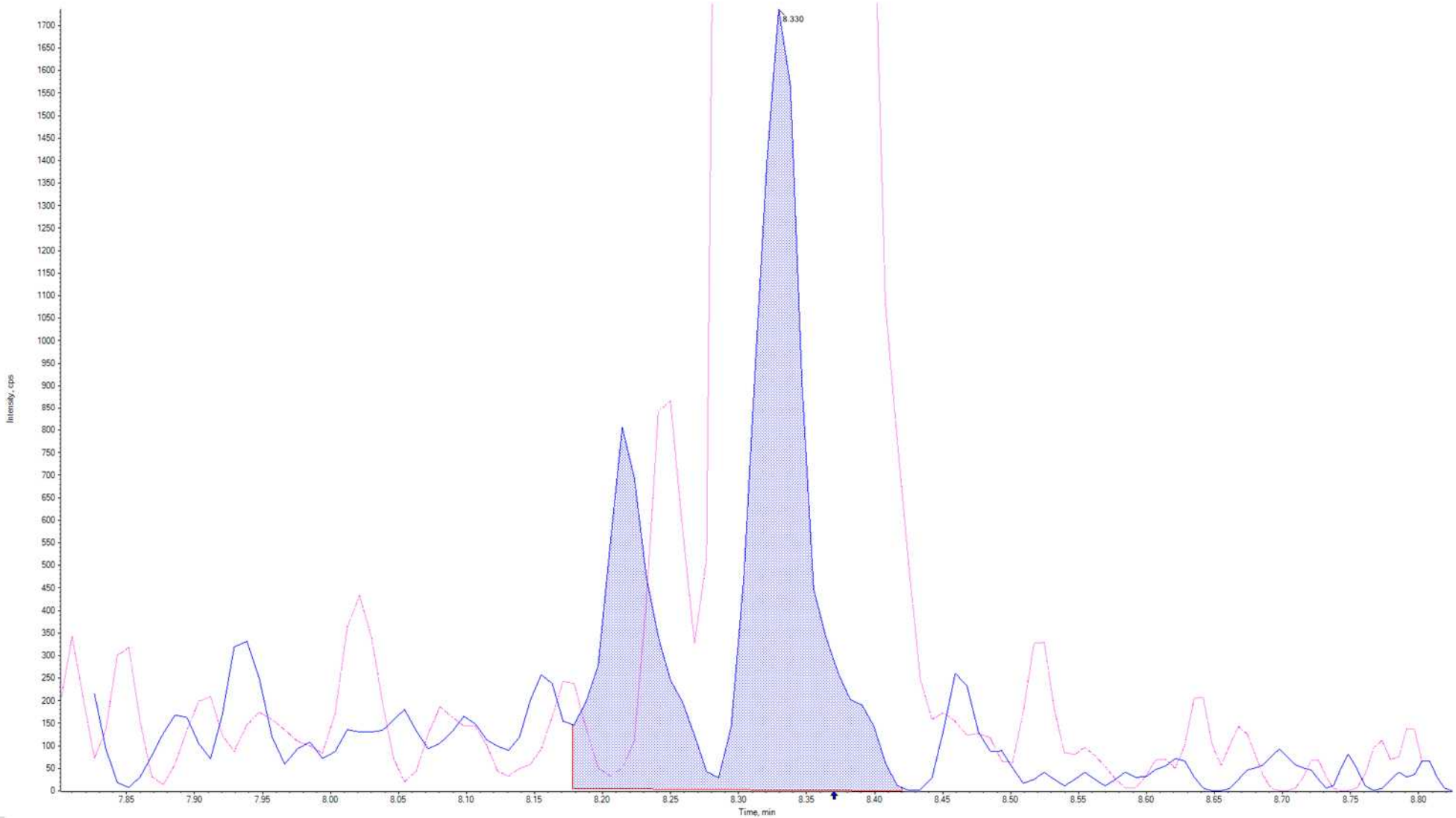
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSAA
Sample: L2447503-01 S/N:130.1 Points Across peak:28

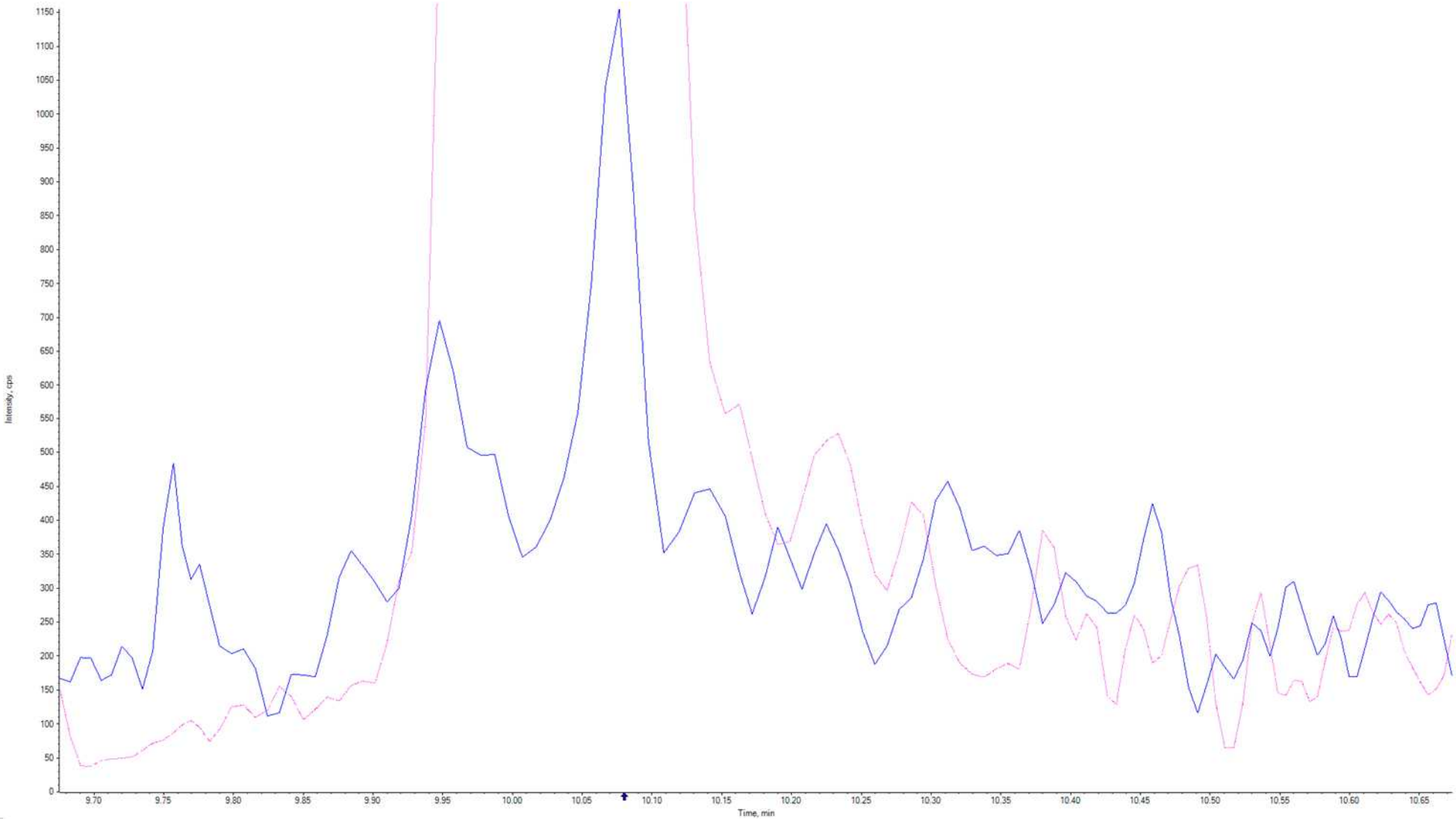


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

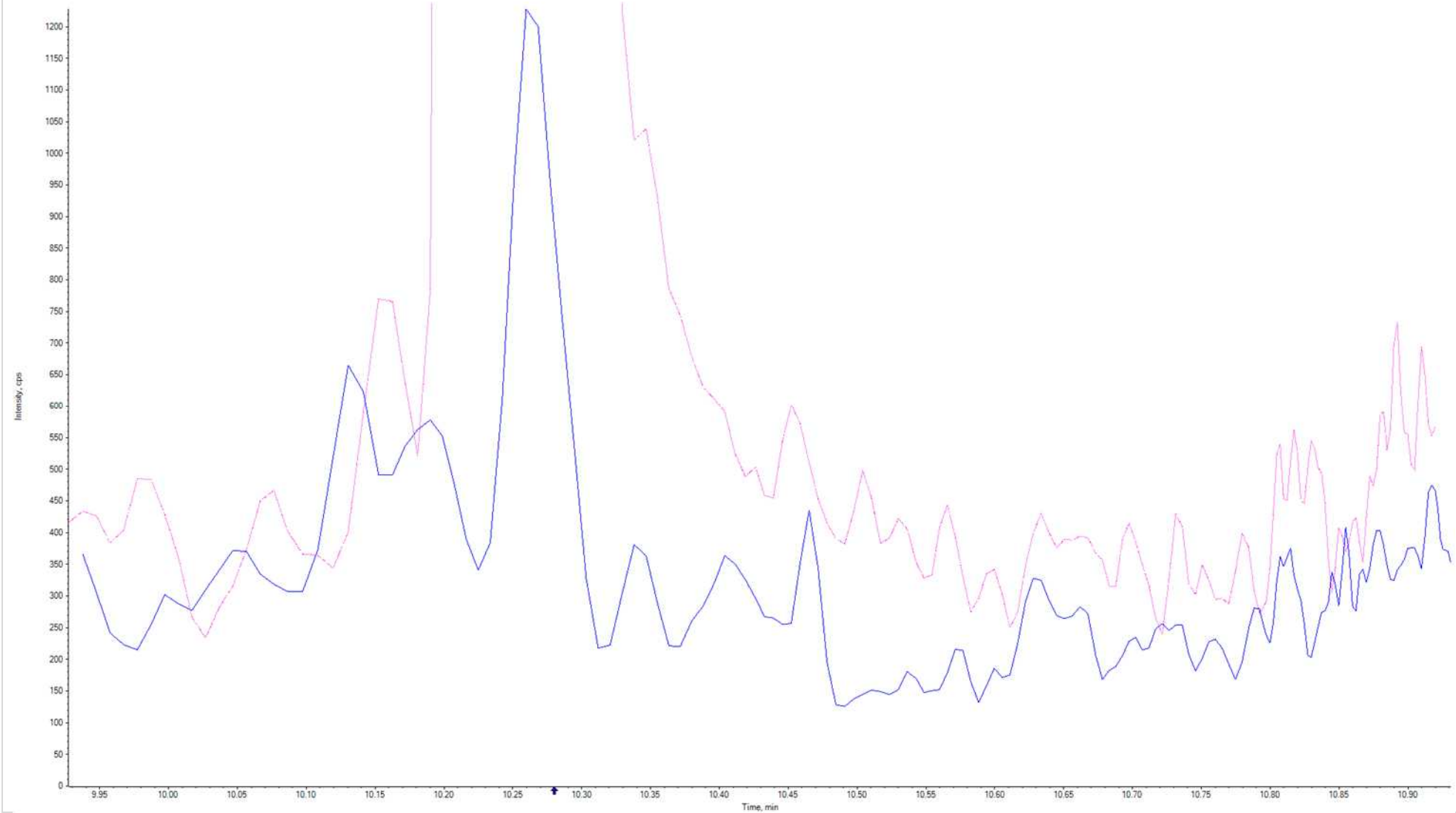
NEtFOSAA_2
Sample: L2447503-01 S/N:40.9 Points Across peak:30



NMeFOSE
Sample: L2447503-01 S/N:N/A Points Across peak:N/A

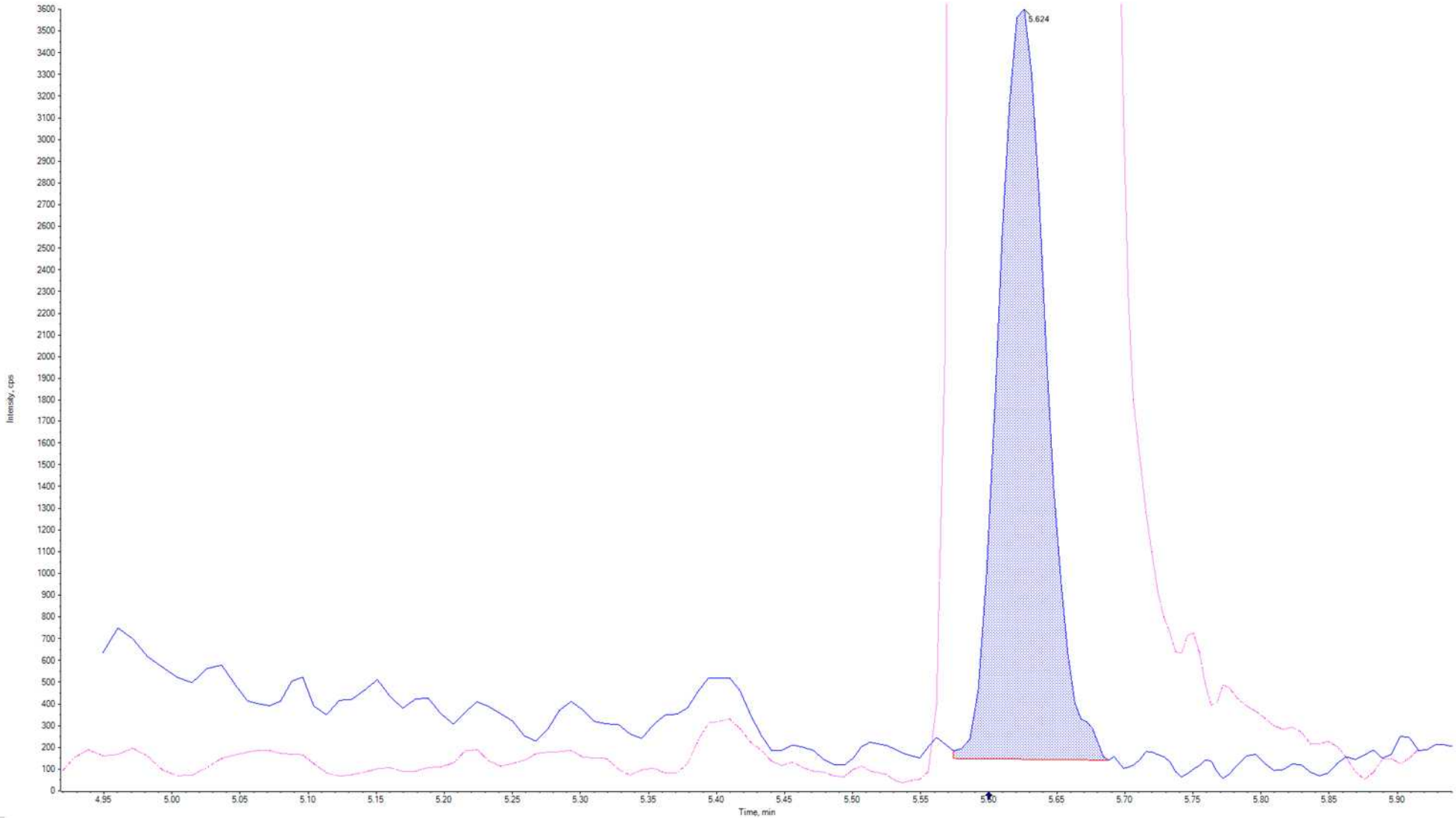


NEtFOSE
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



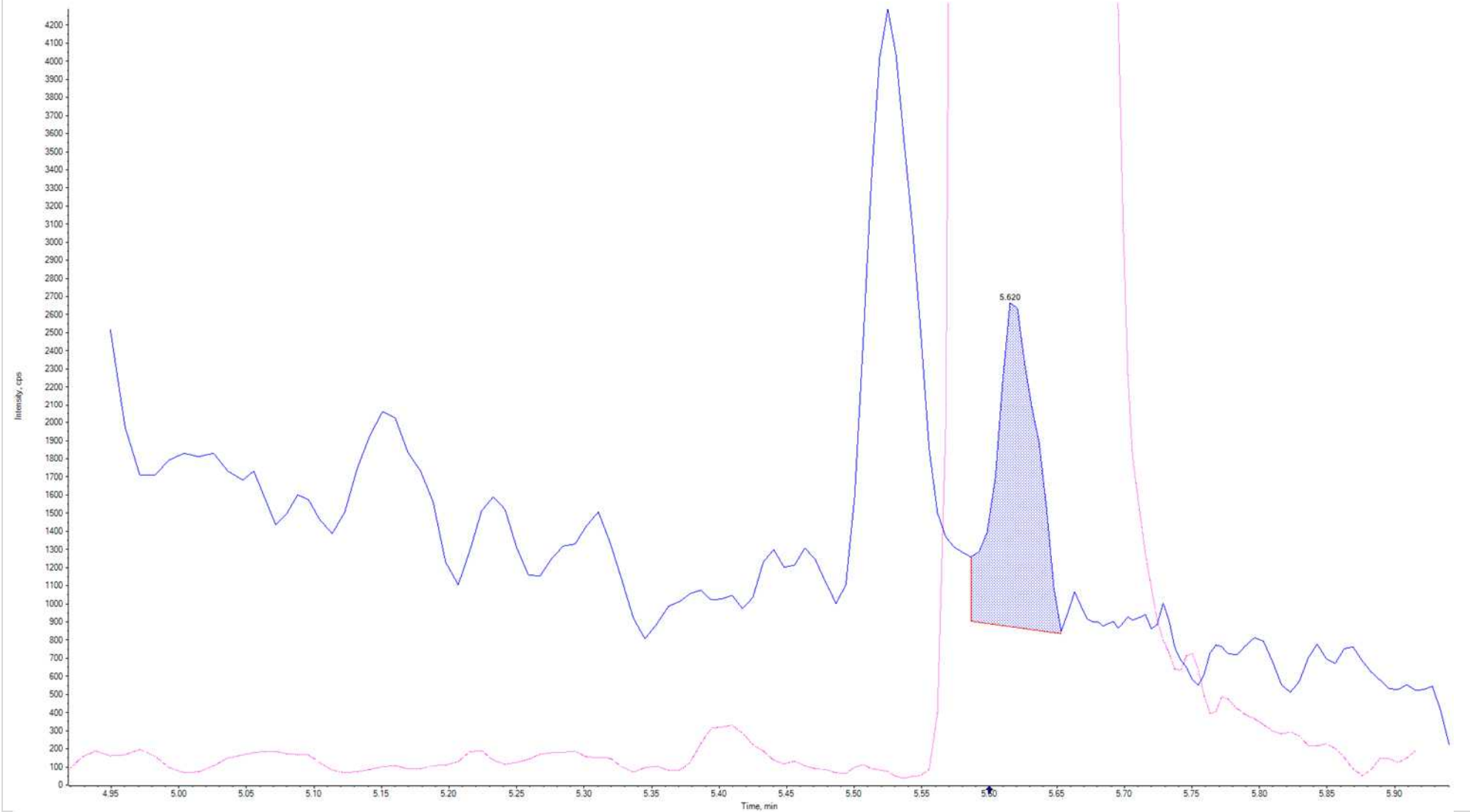
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

HFPO-DA
Sample: L2447503-01 S/N:191.0 Points Across peak:23



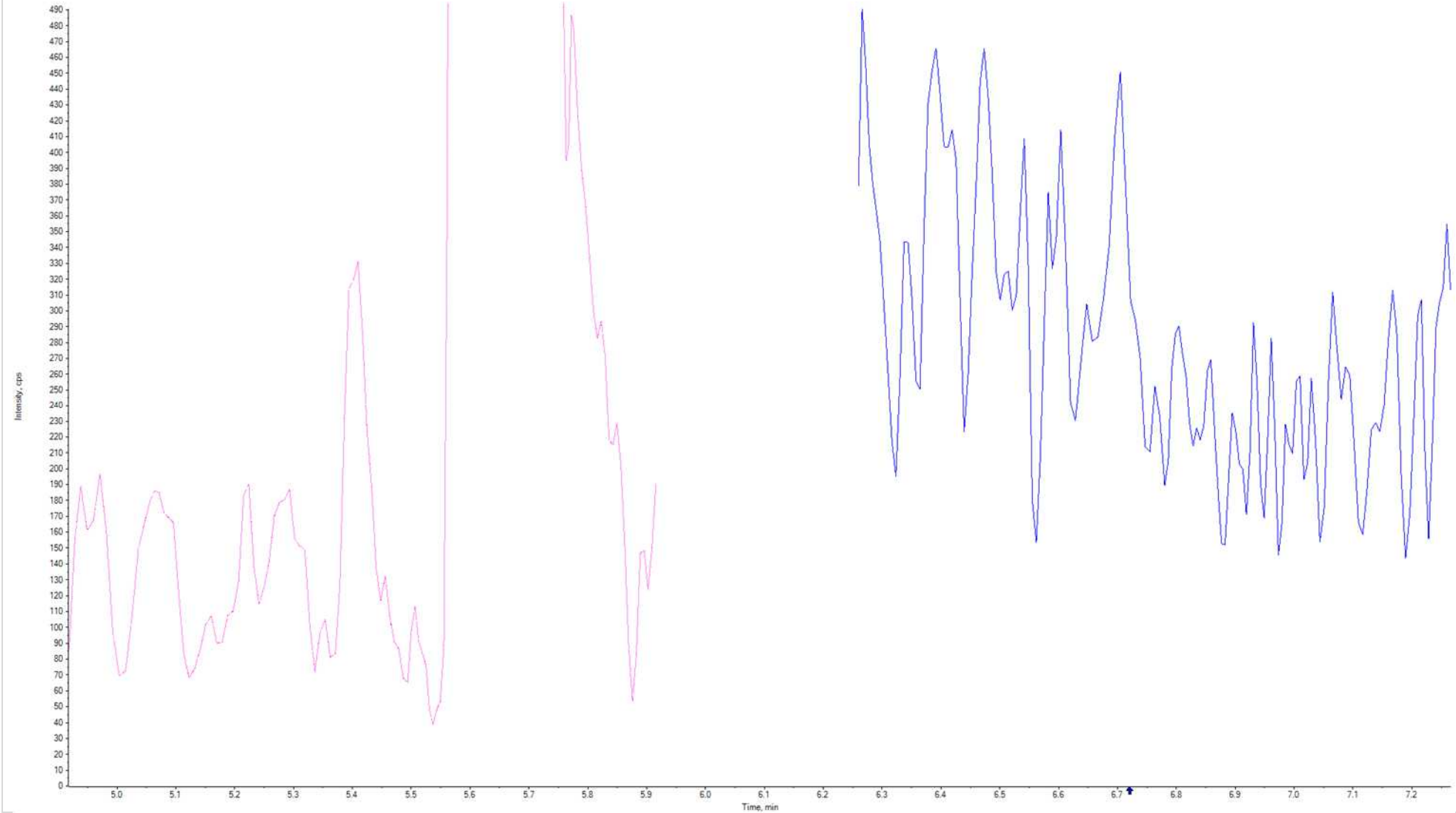
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

HFPO-DA_2
Sample: L2447503-01 S/N:31.3 Points Across peak:13



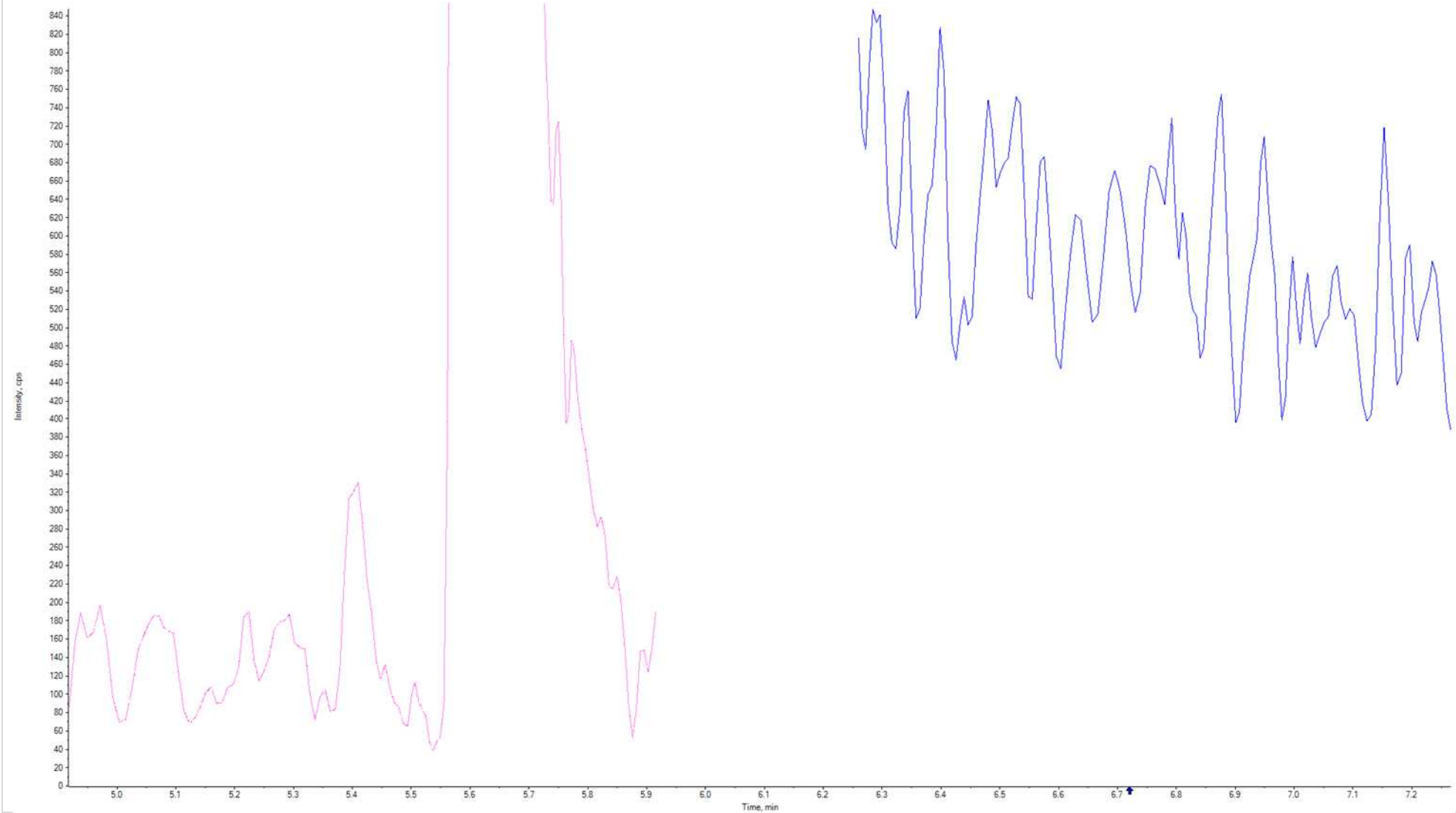
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

ADONA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



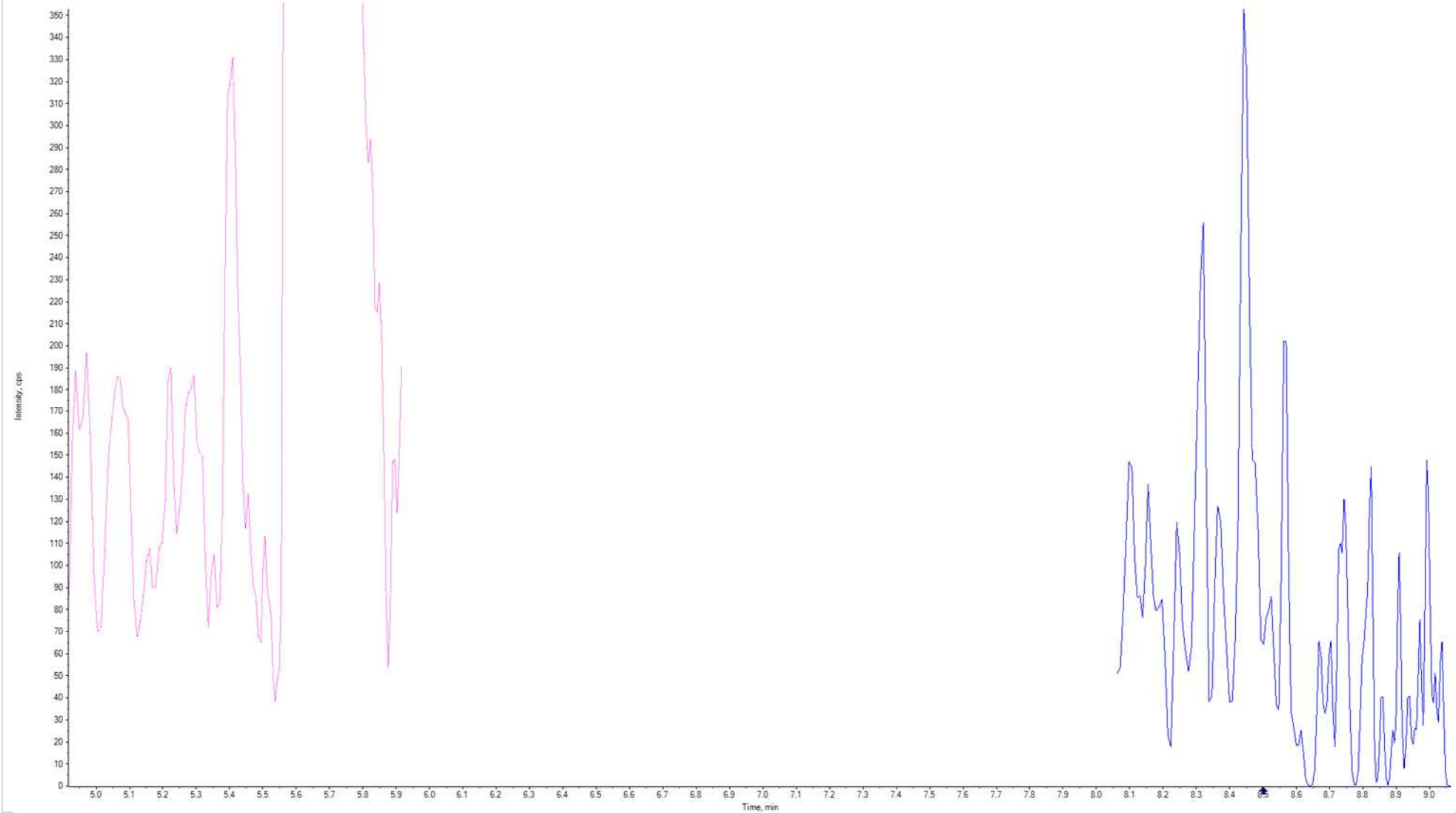
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

ADONA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



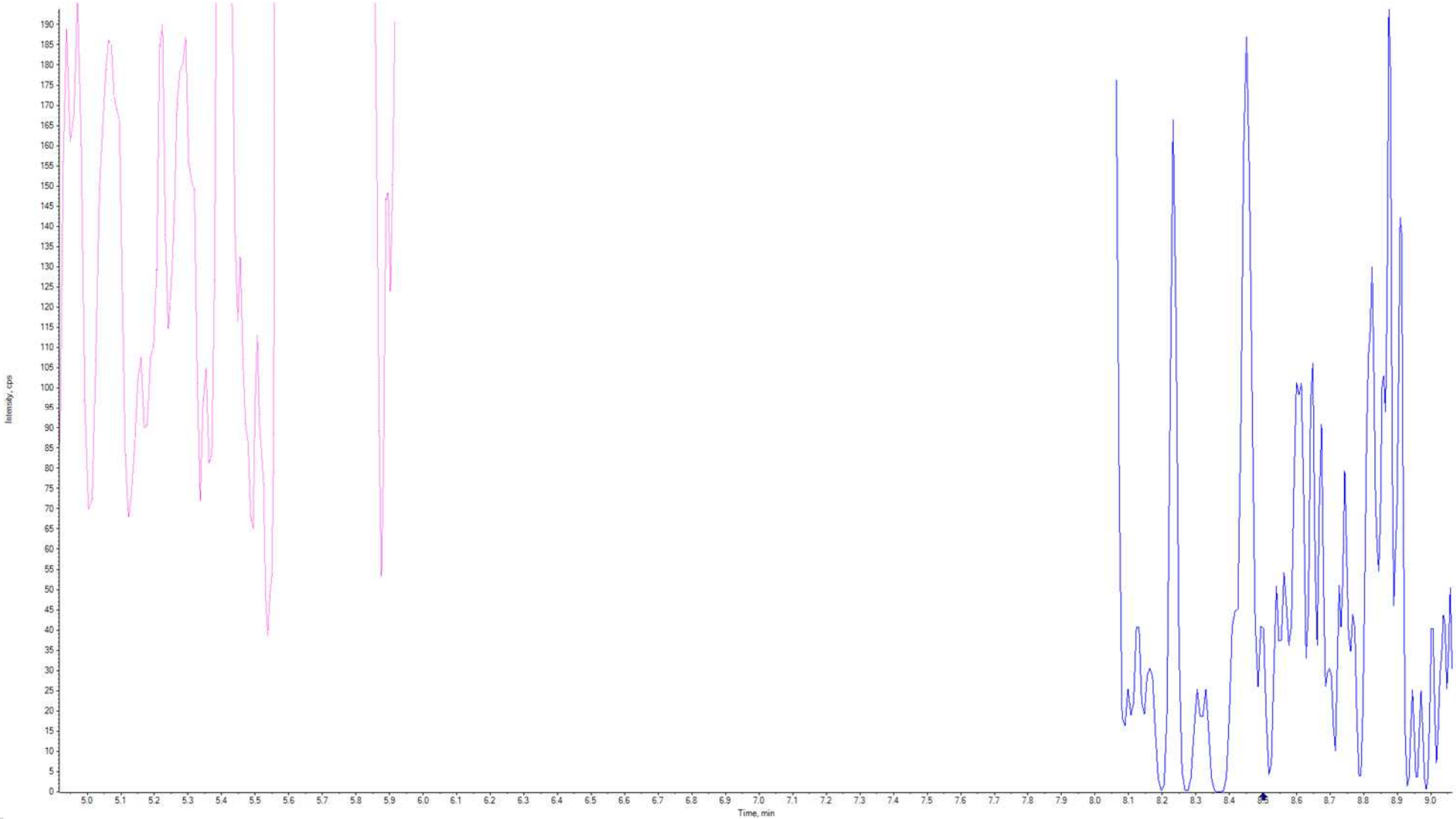
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

9Cl-PF3ONS
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

9Cl-PF3ONS_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

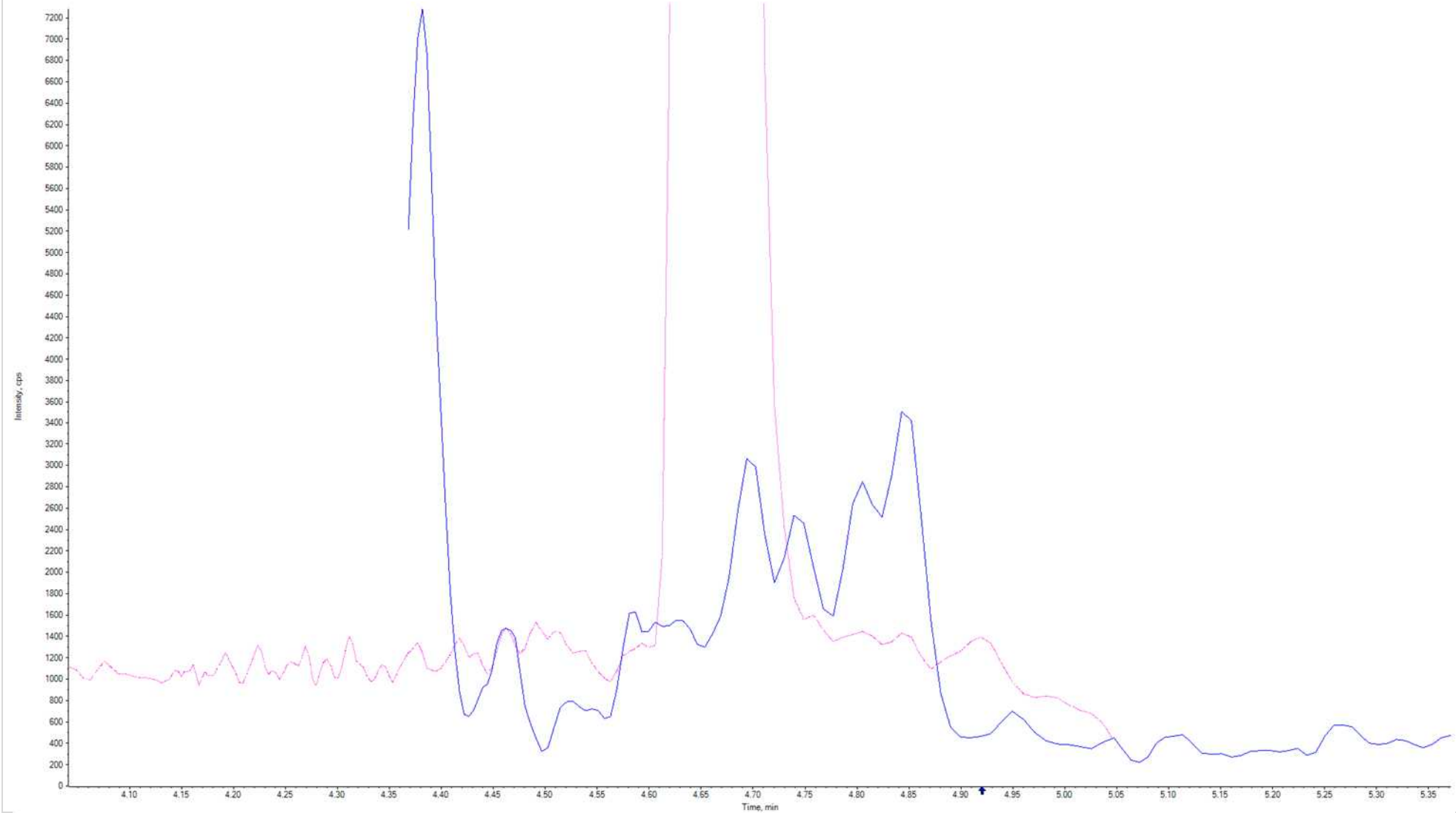
11Cl-PF3OUdS
Sample: L2447503-01 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

11Cl-PF3OUdS_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A

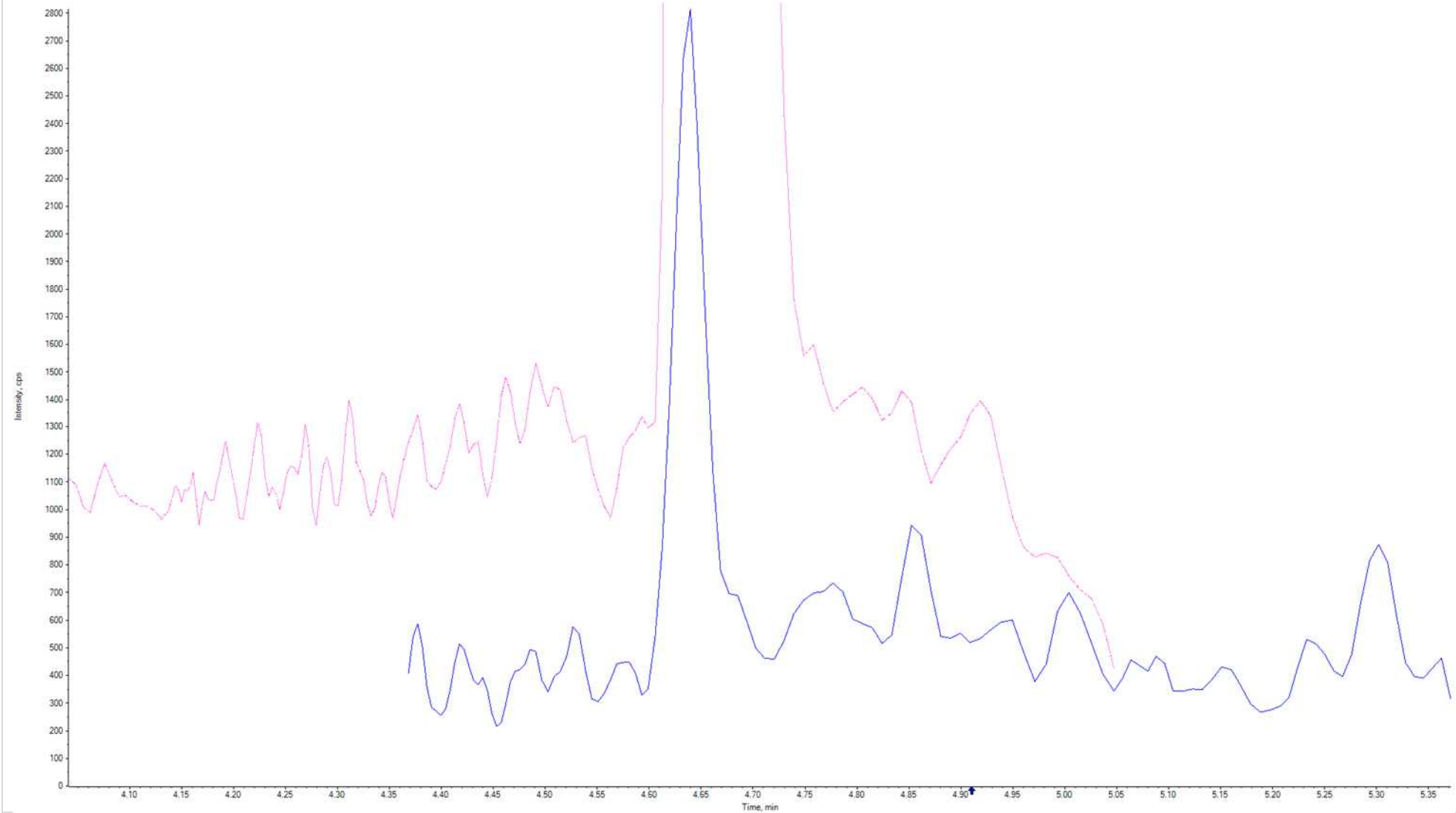
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

3:3FTCA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



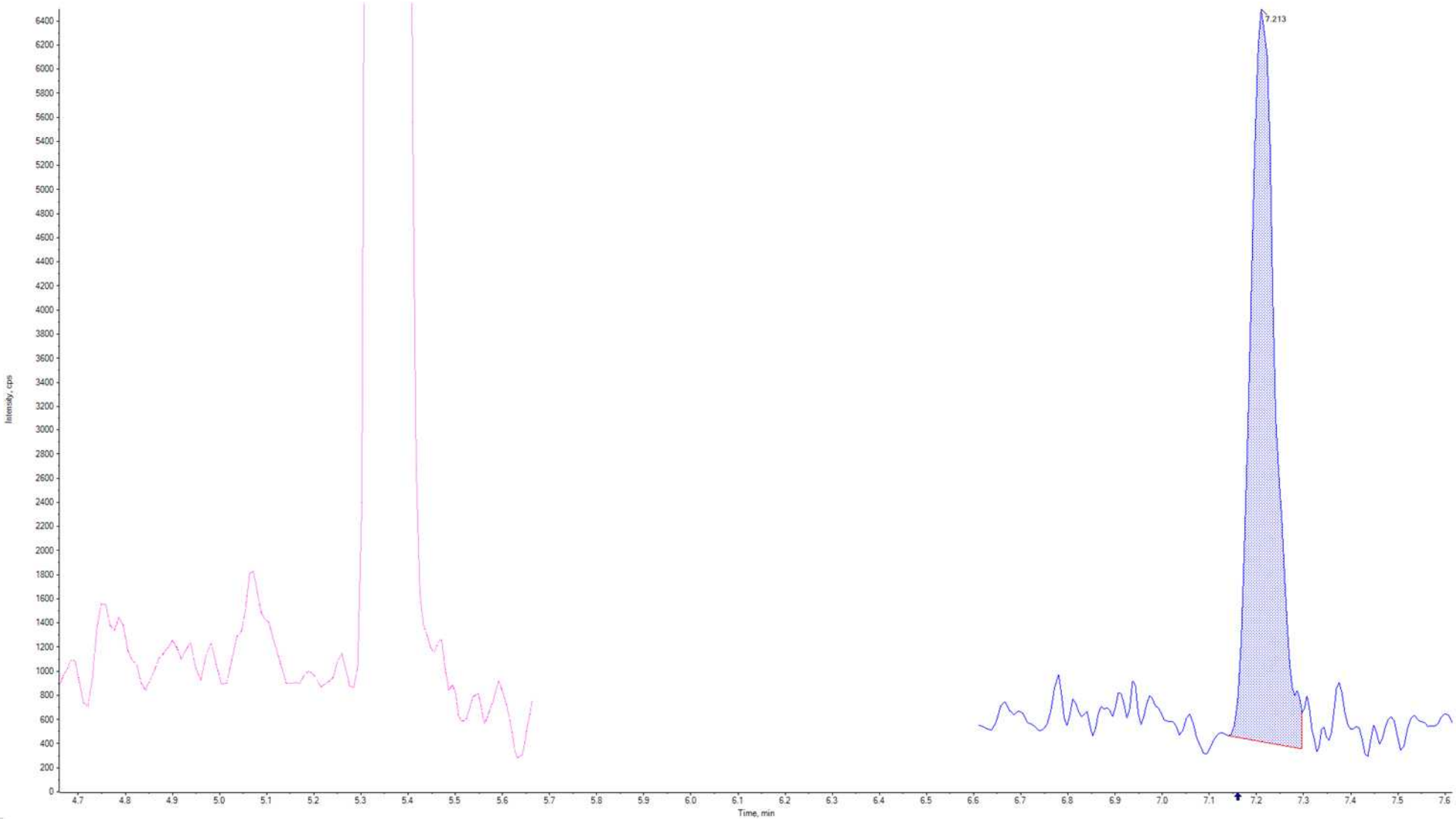
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

3:3FTCA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



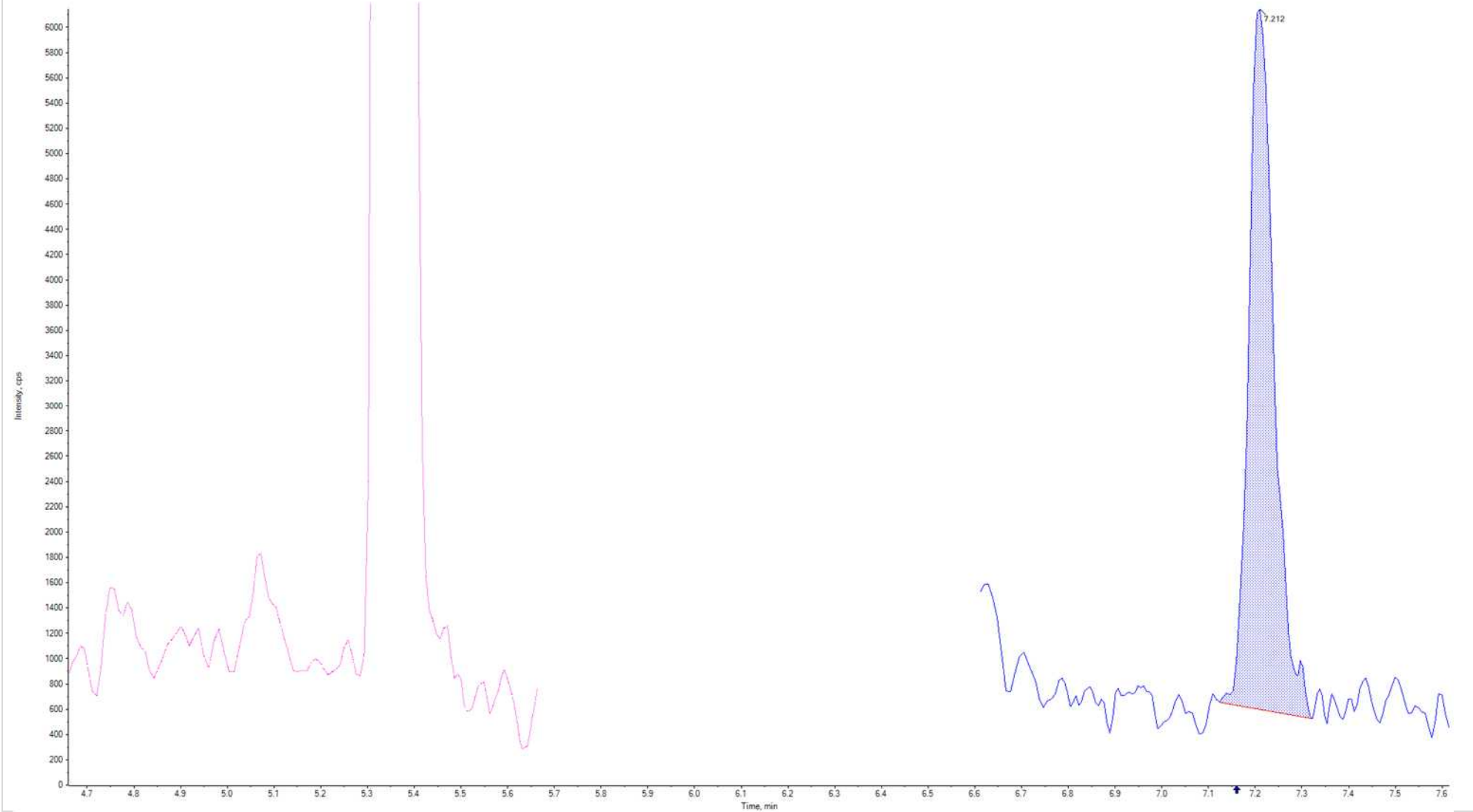
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

5:3FTCA
Sample: L2447503-01 S/N:112.7 Points Across peak:26



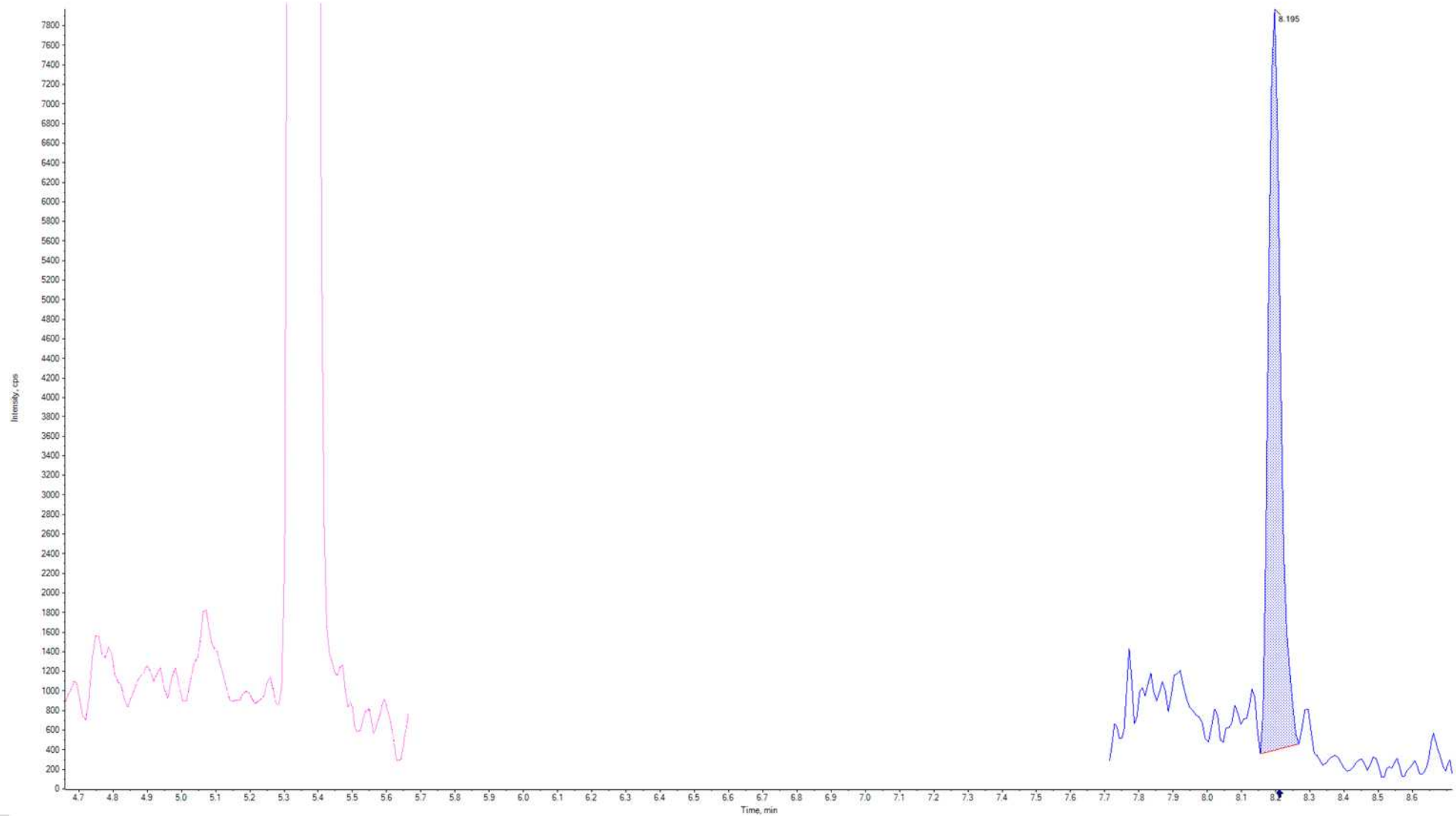
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

5:3FTCA_2
Sample: L2447503-01 S/N:98.3 Points Across peak:33



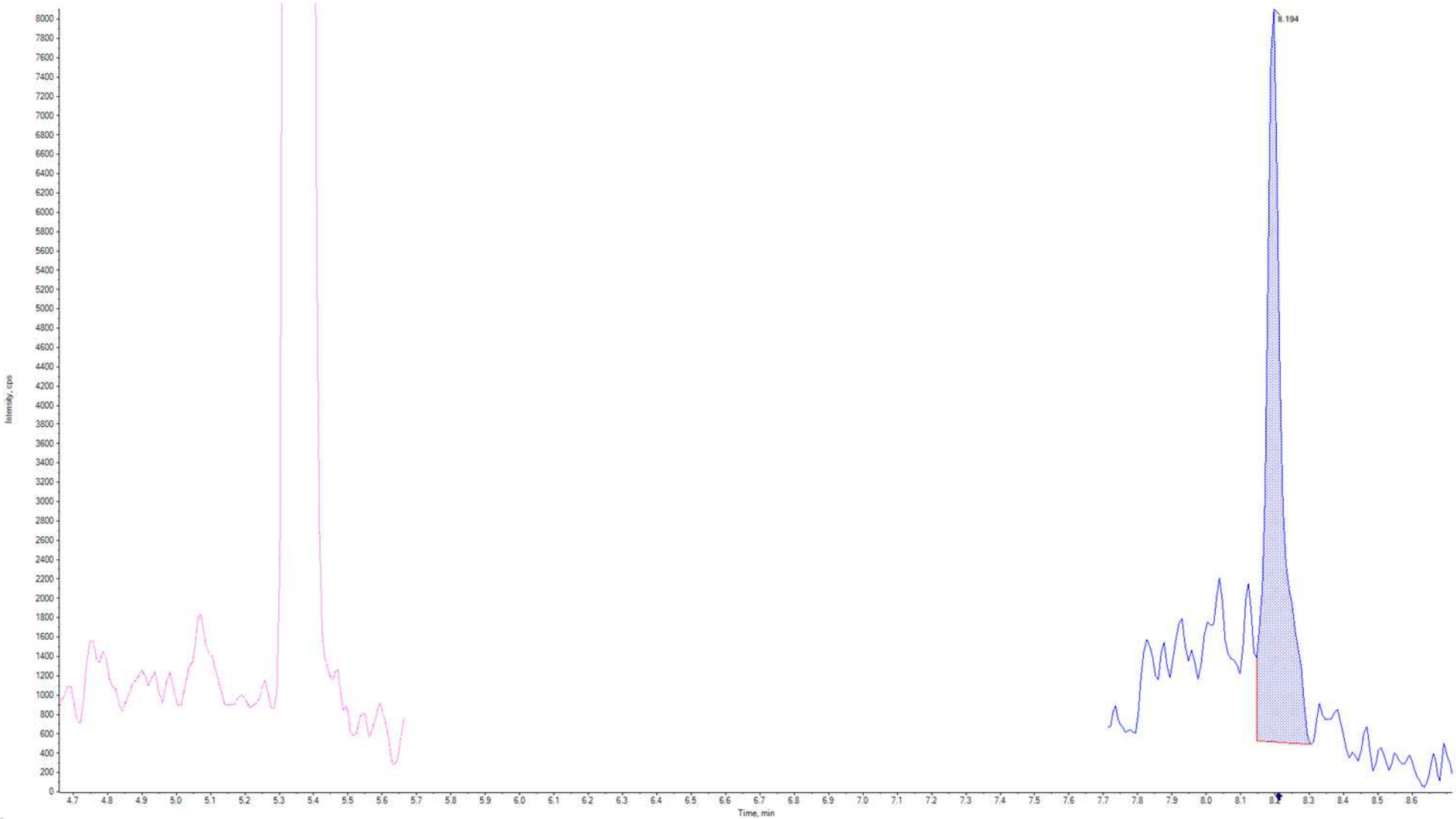
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

7:3FTCA
Sample: L2447503-01 S/N:148.9 Points Across peak:14



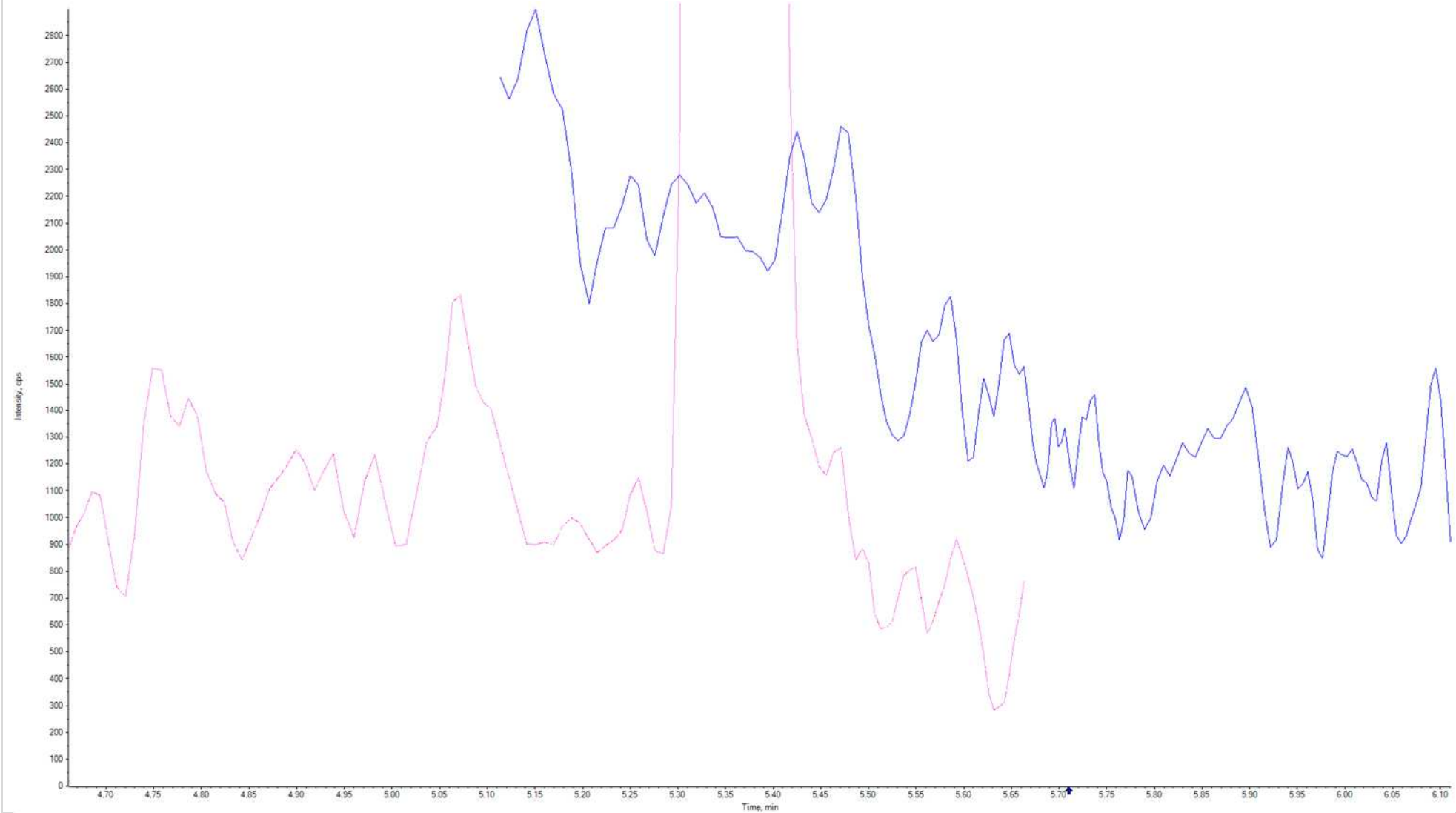
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

7:3FTCA_2
Sample: L2447503-01 S/N:199.9 Points Across peak:19



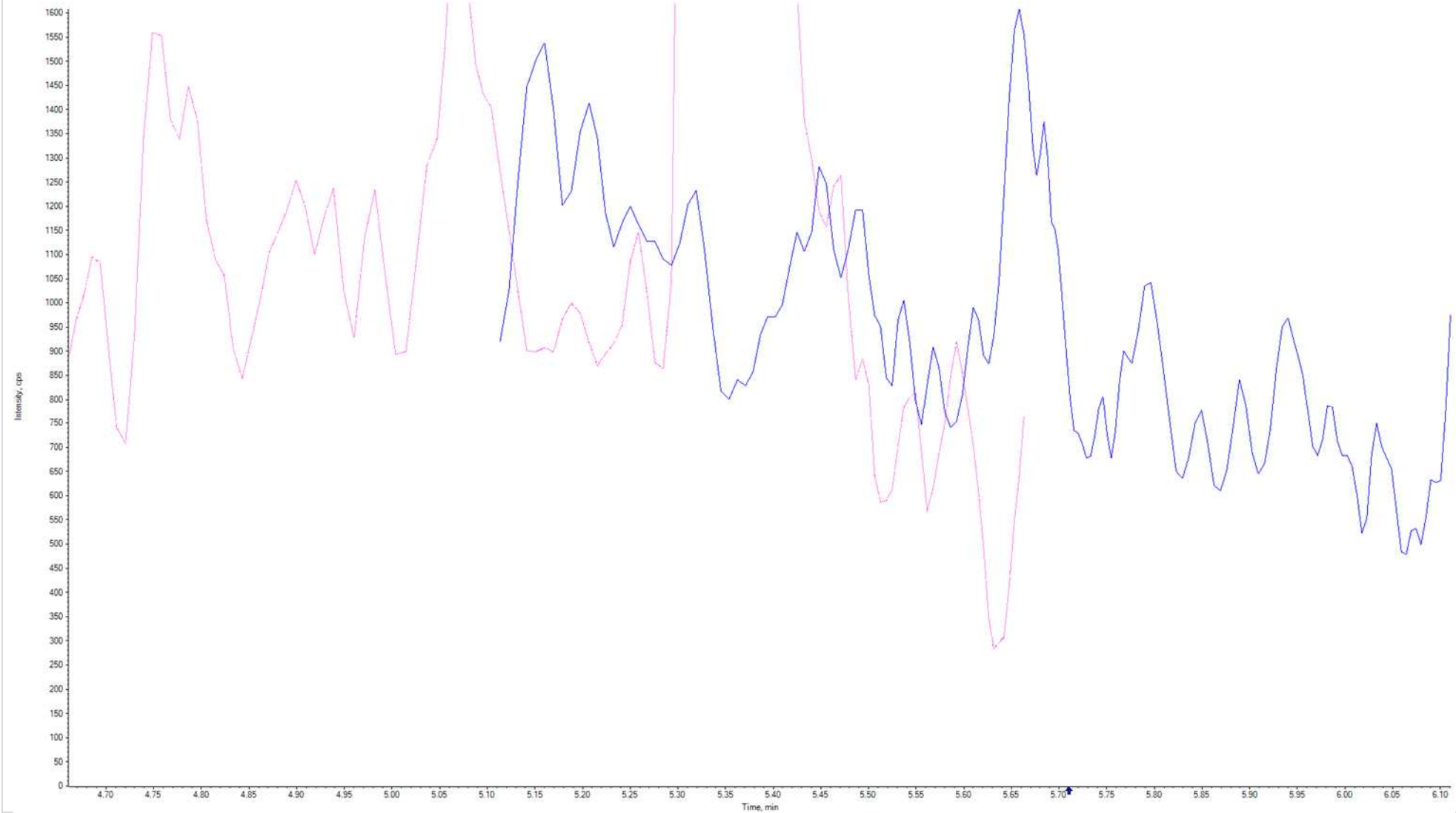
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFEESA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



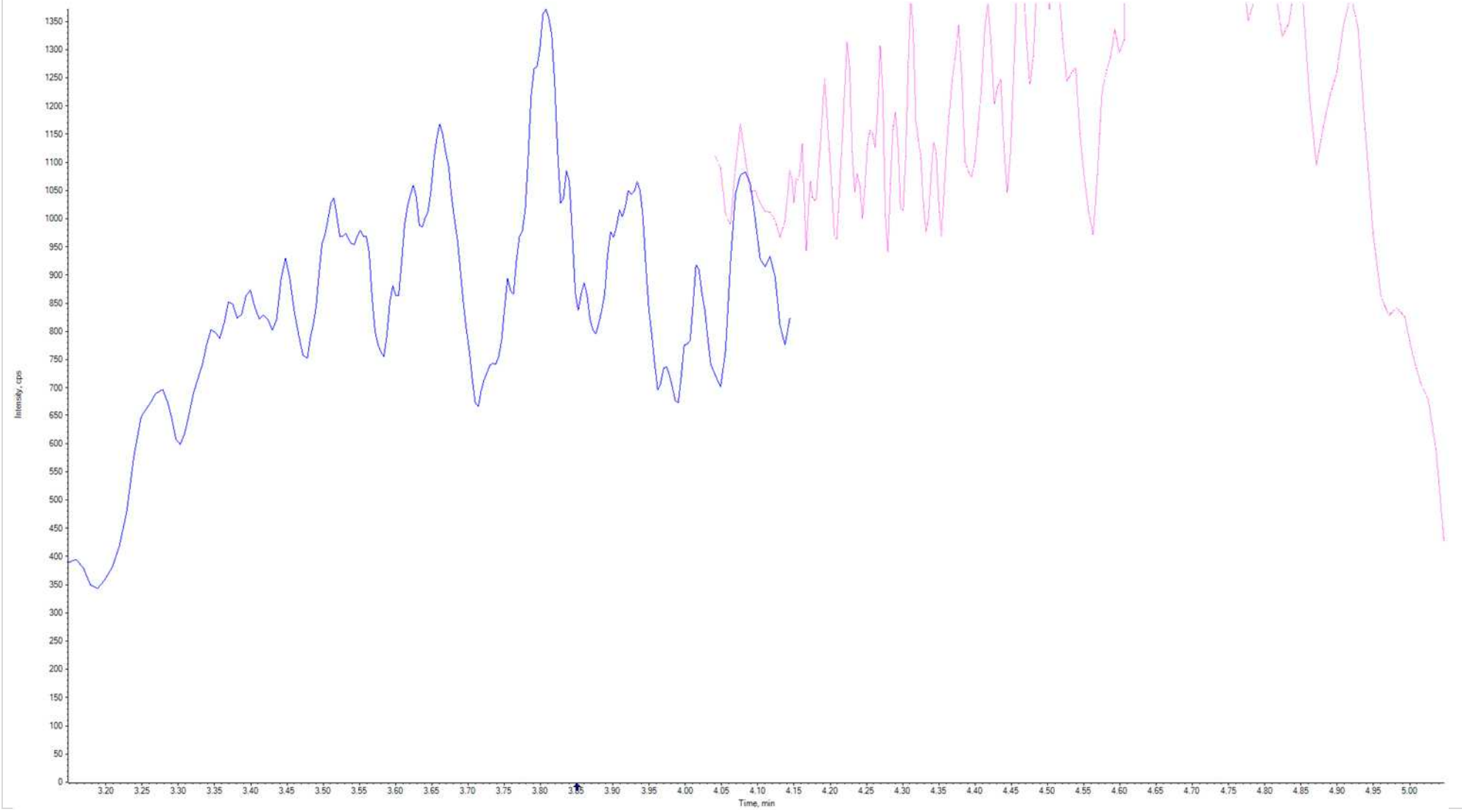
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFEESA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



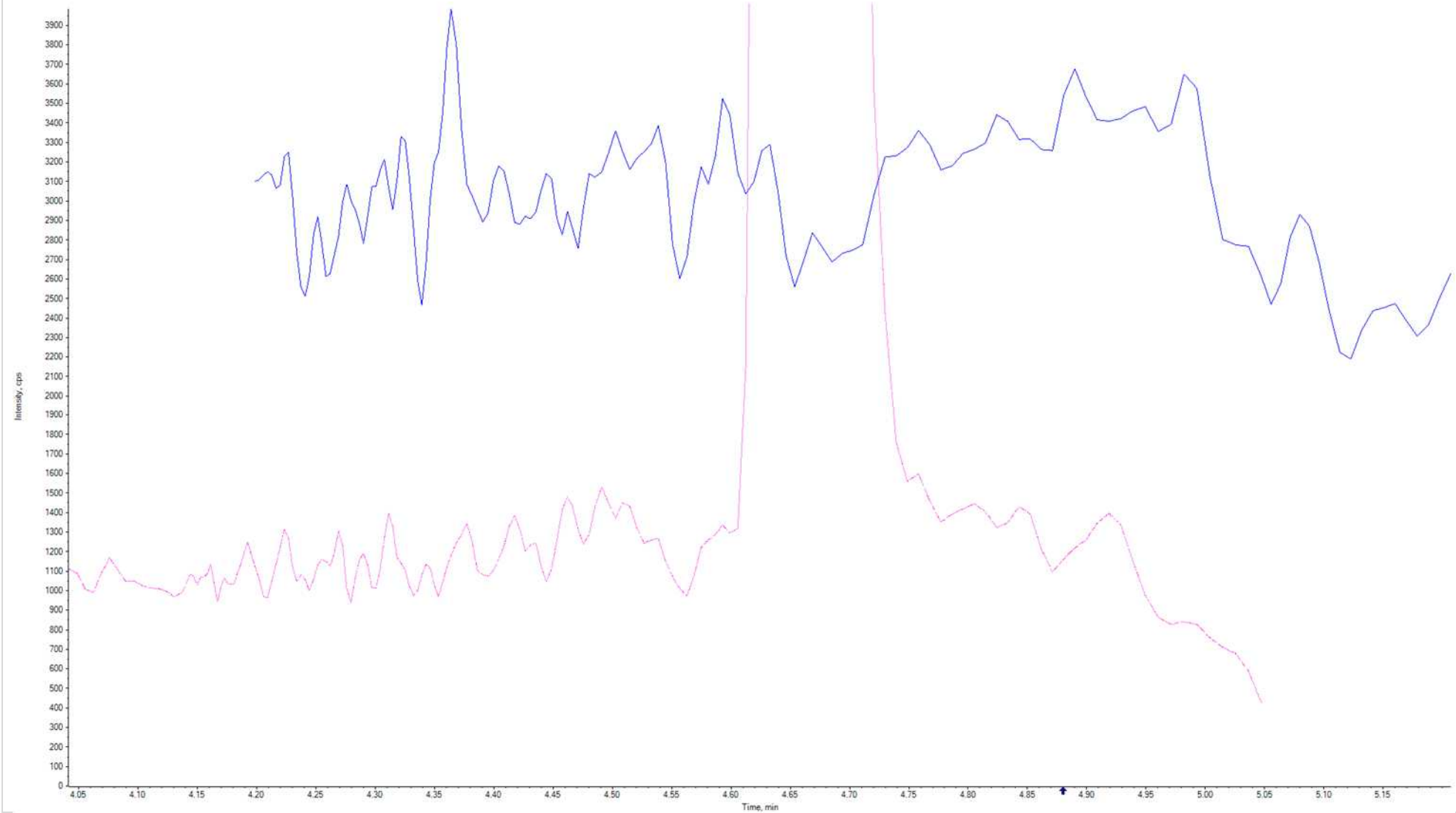
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFMPA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



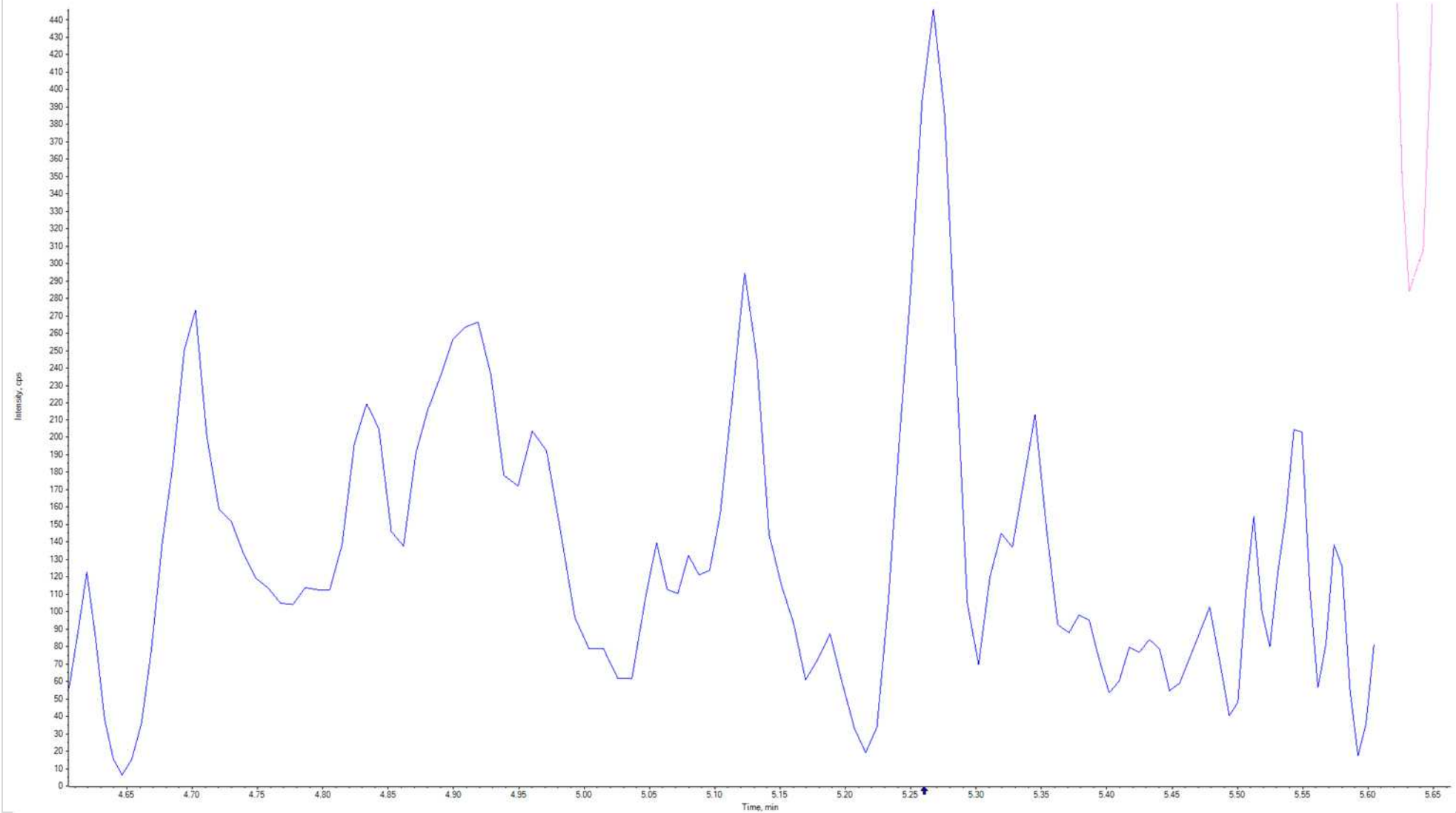
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFMBA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



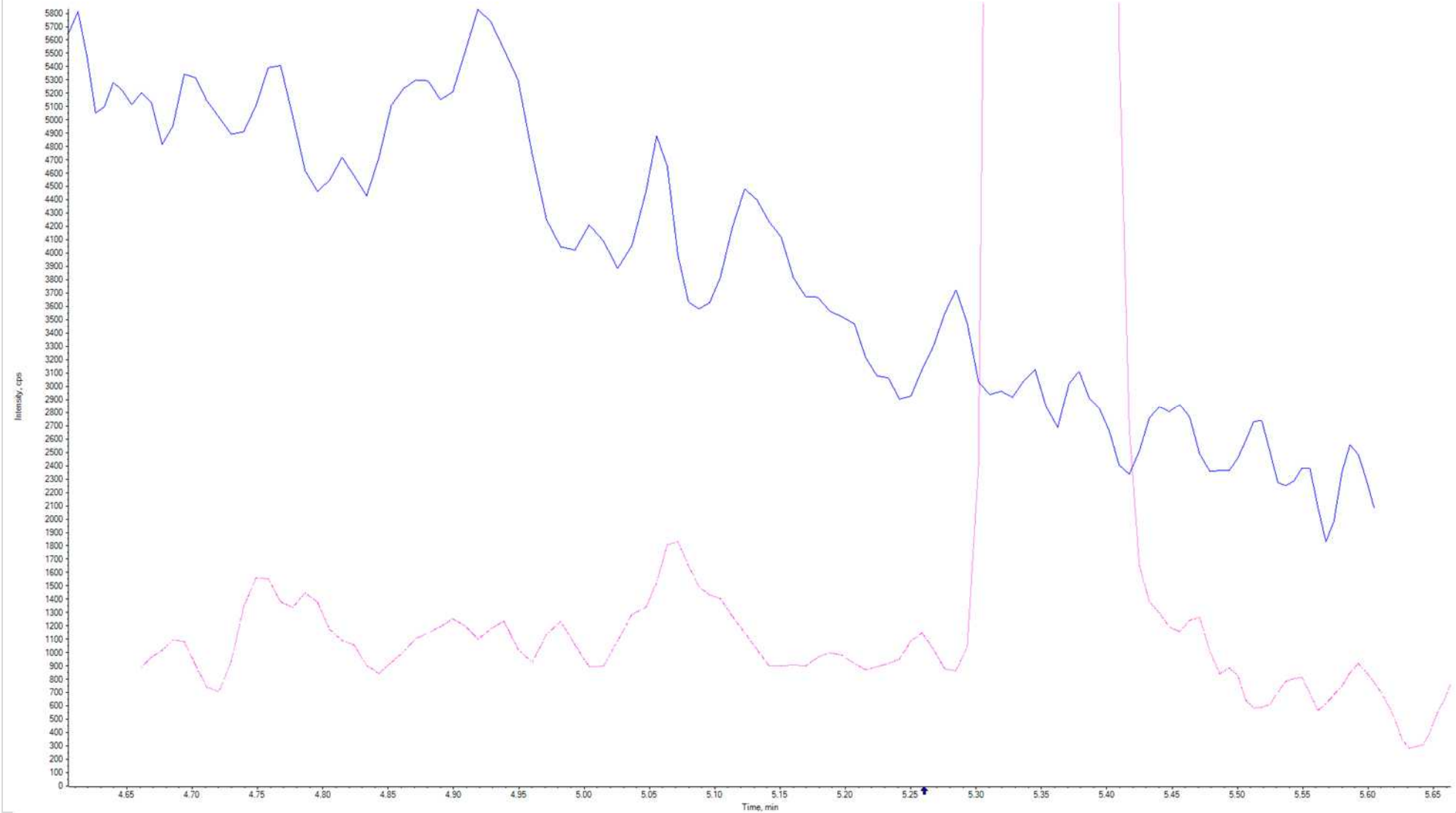
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NFDHA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



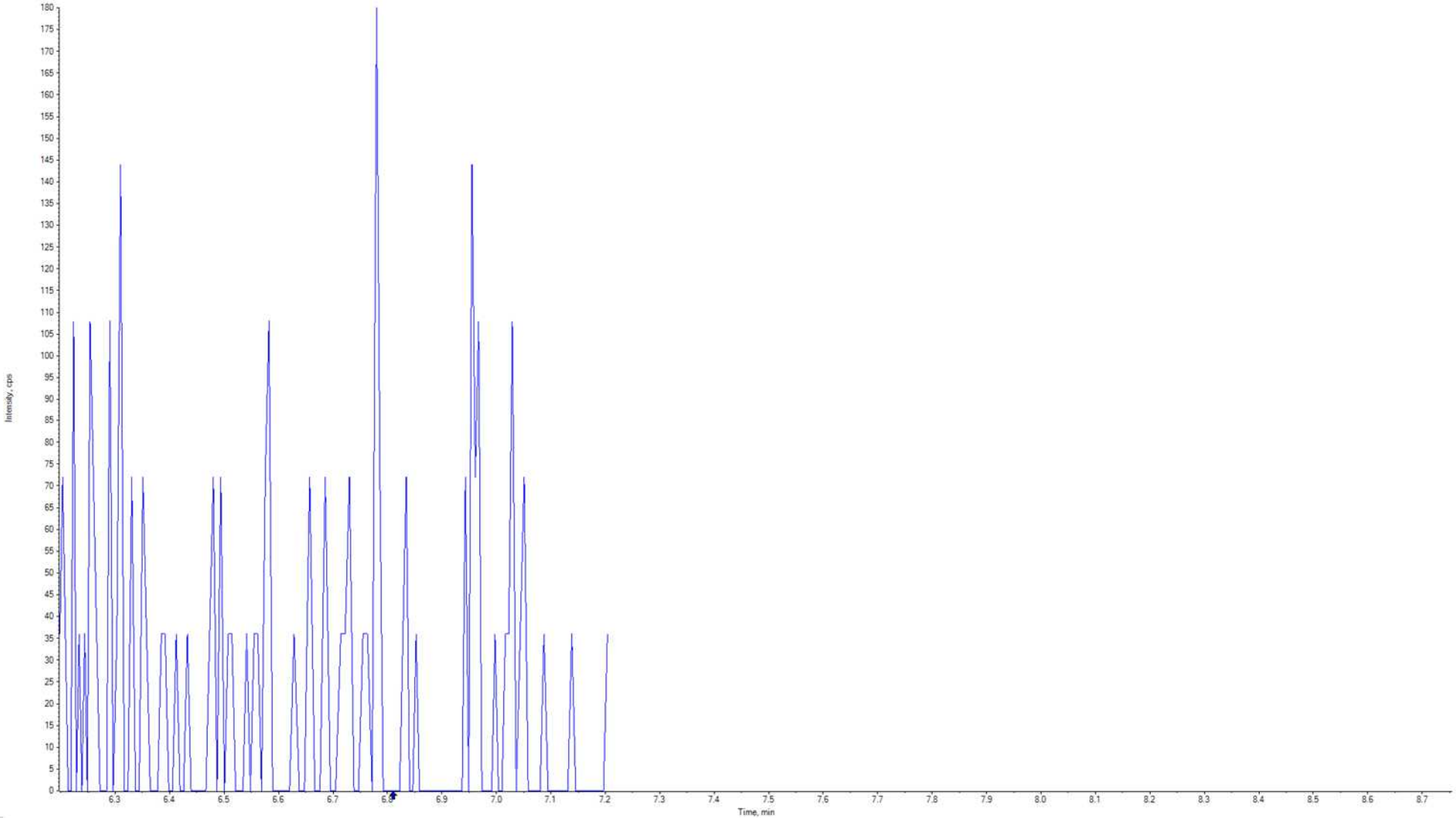
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NFDHA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



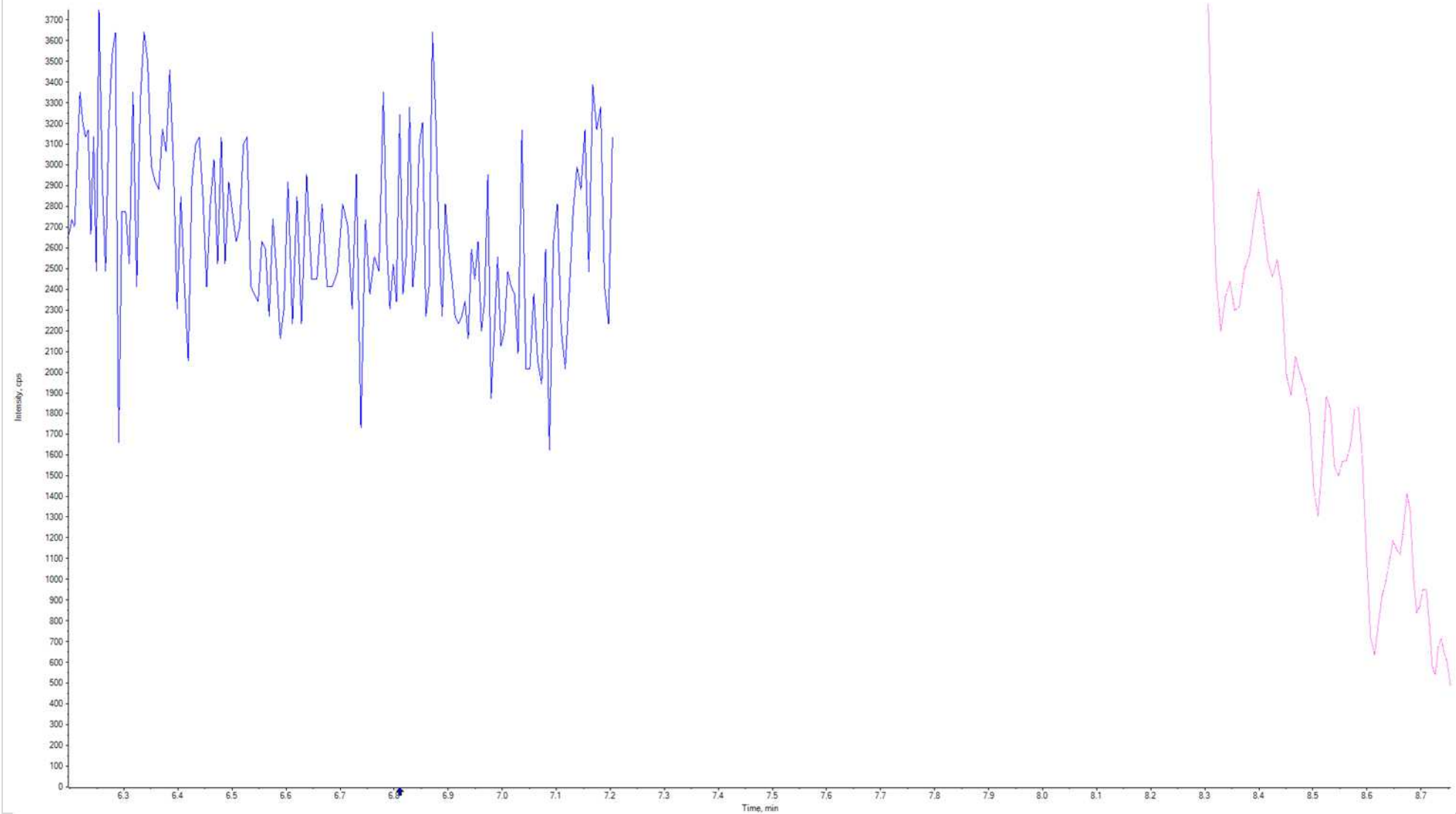
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

TDCA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



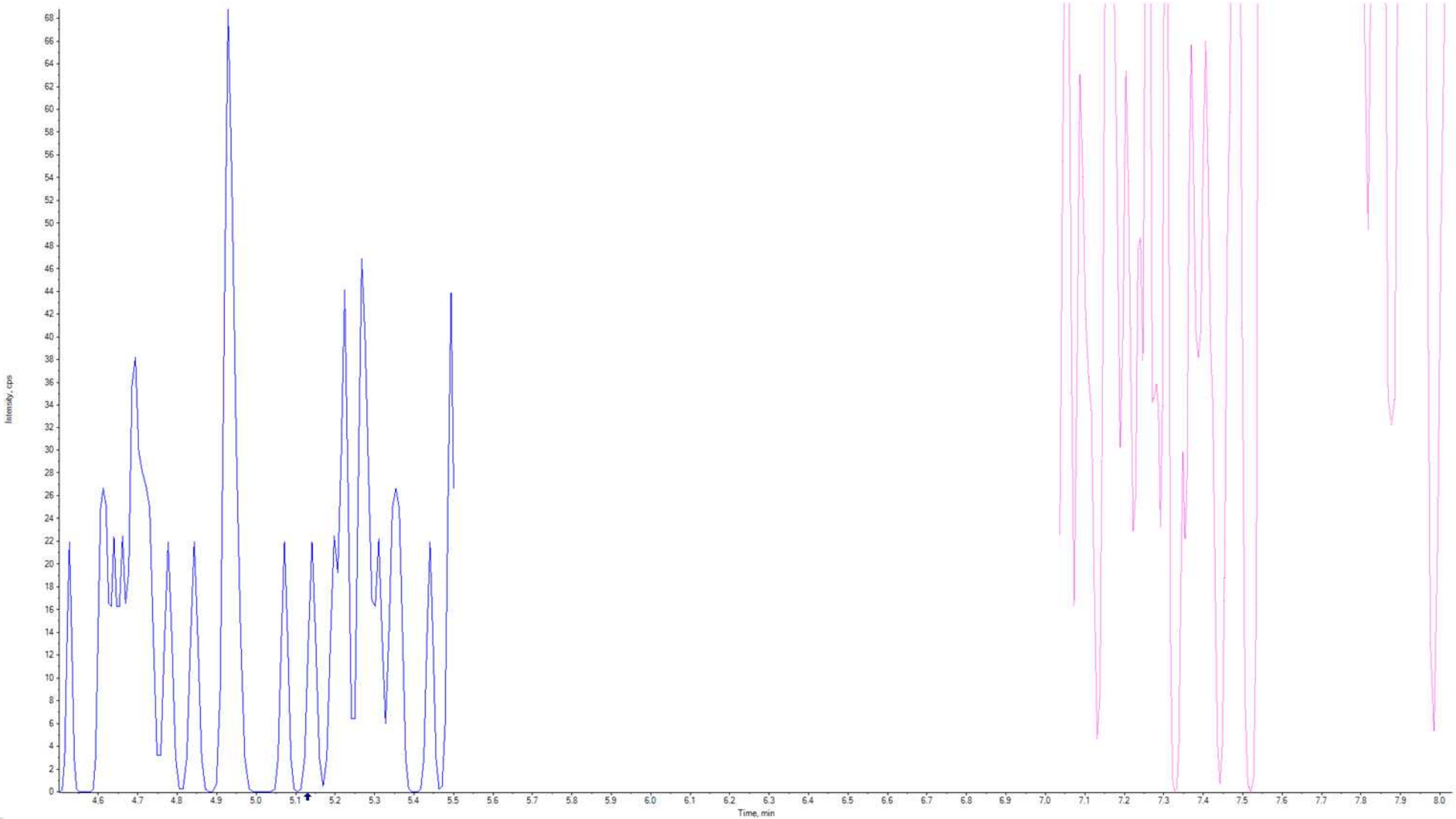
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

TDCA_2
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



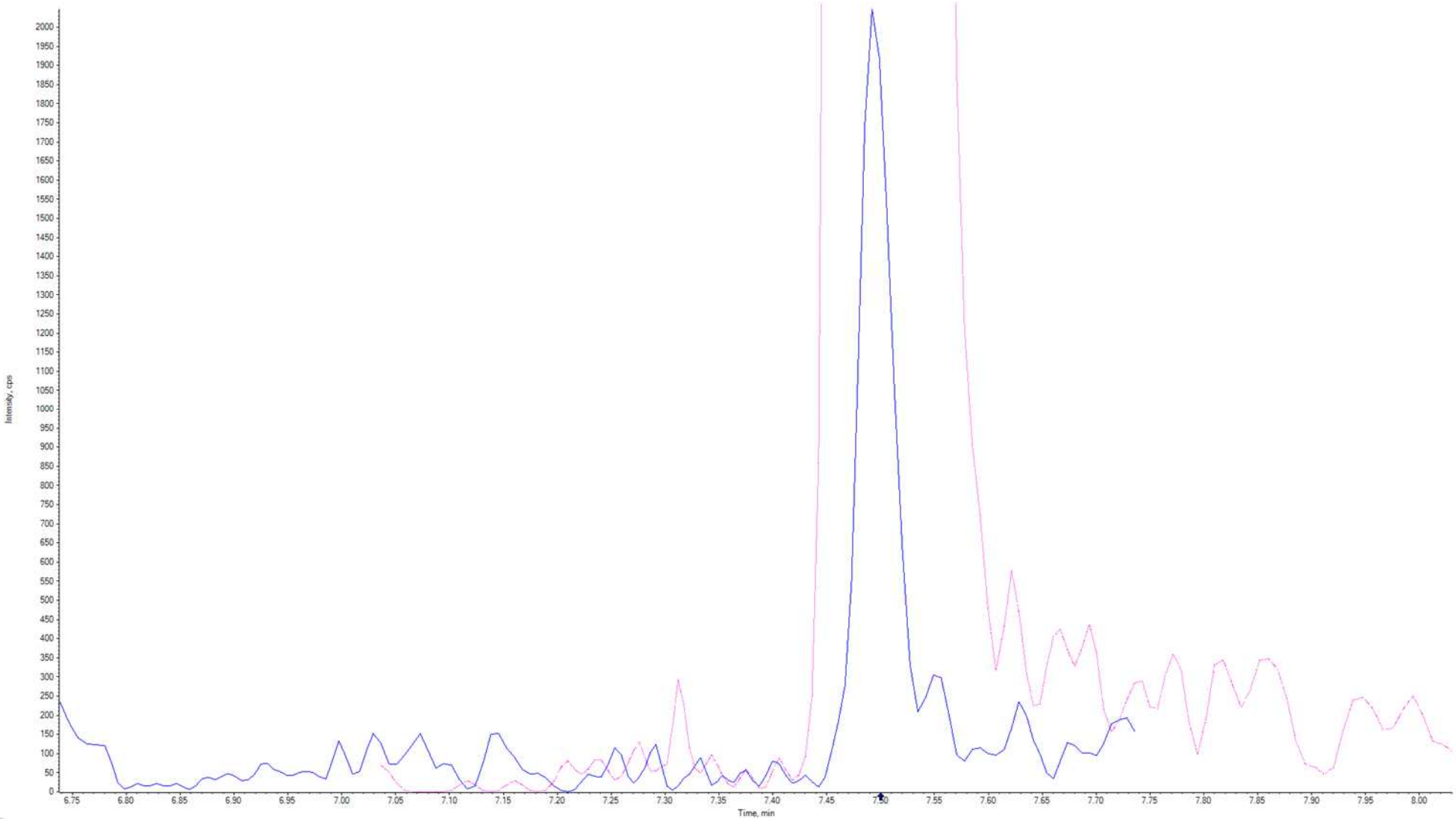
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C2D4-4:2FTS
Sample: L2447503-01 S/N:N/A Points Across peak:N/A

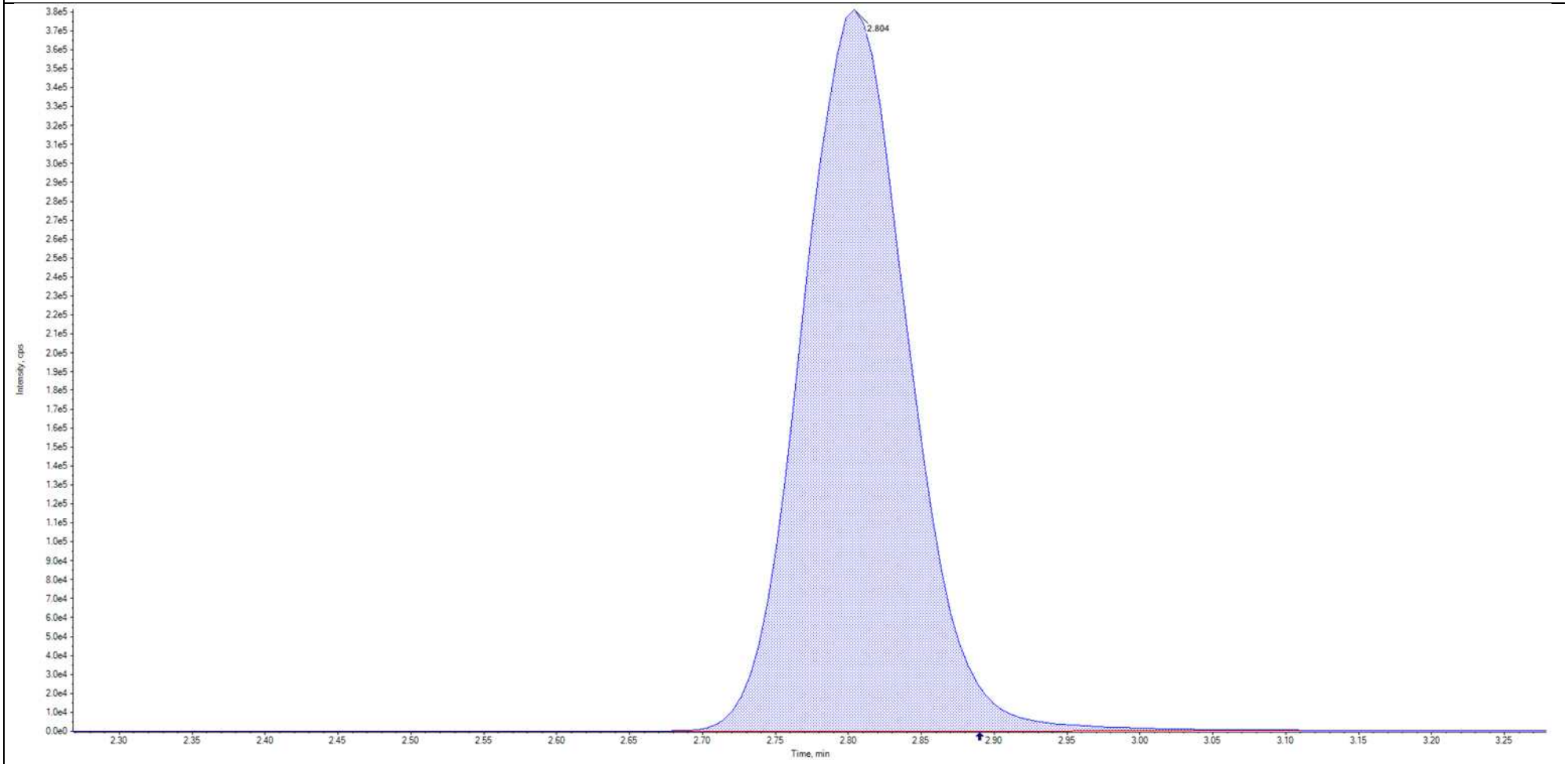


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

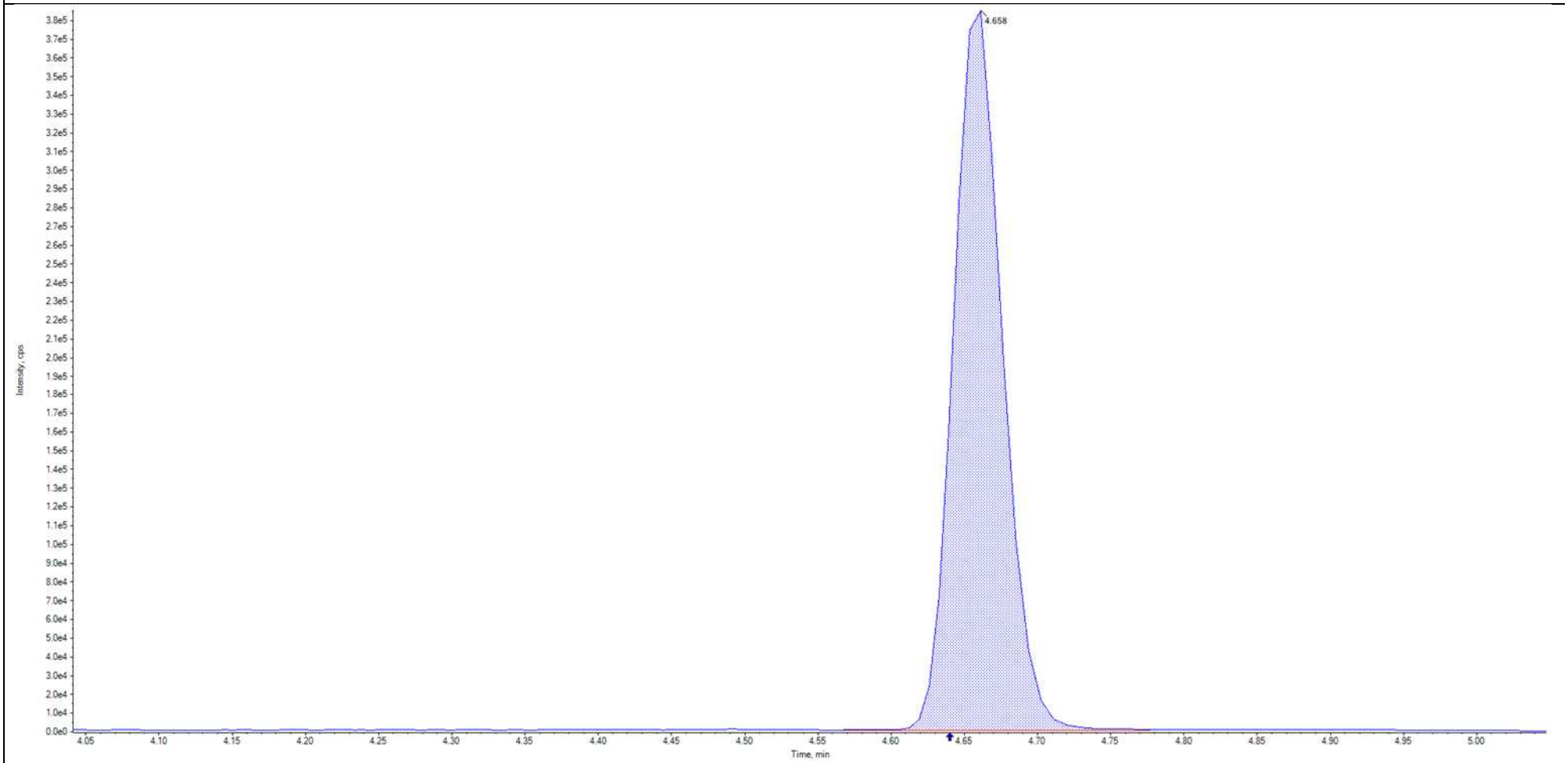
13C2-PFOA
Sample: L2447503-01 S/N:N/A Points Across peak:N/A



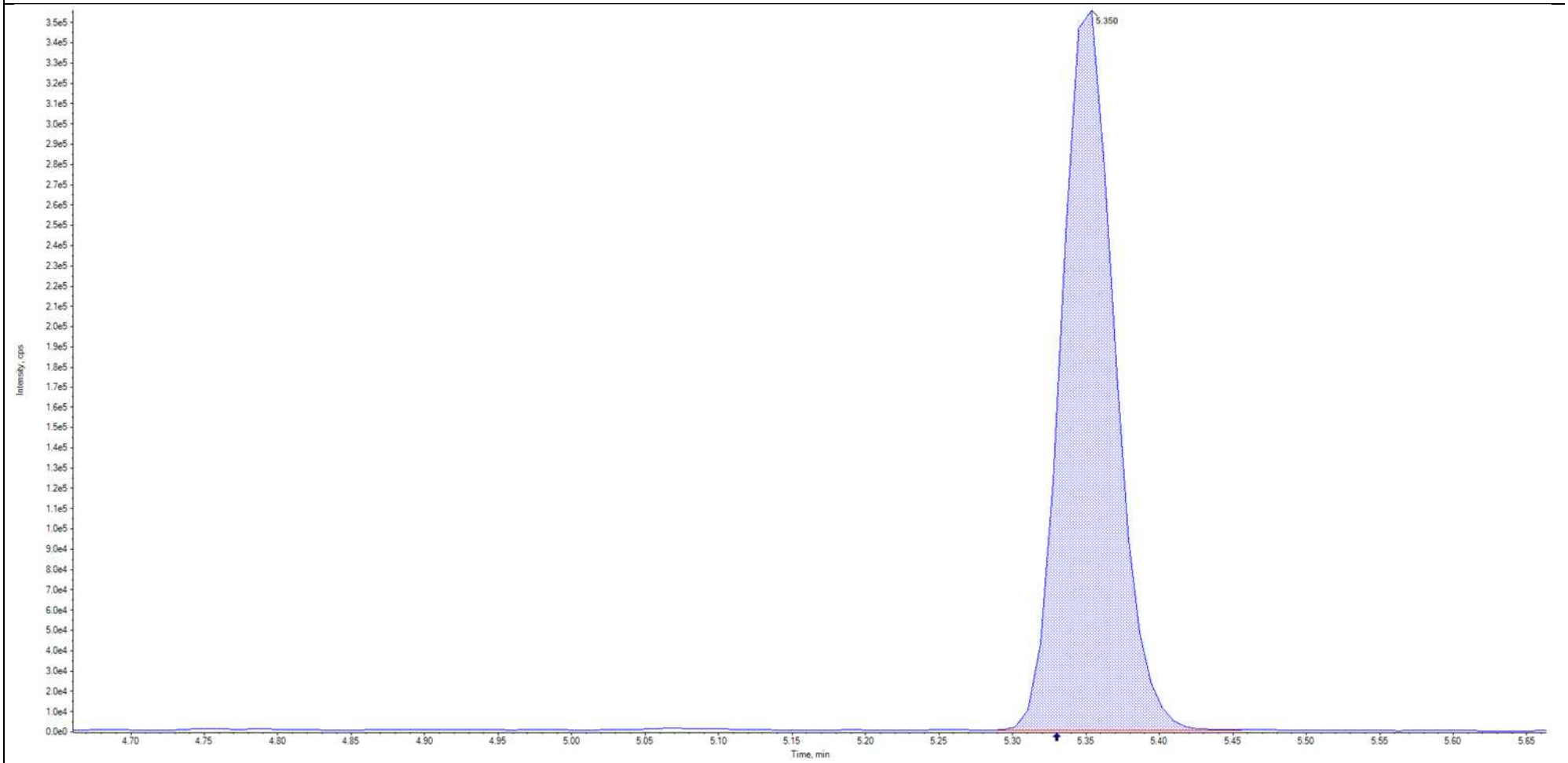
13C4-PFBA
Sample: L2447503-01



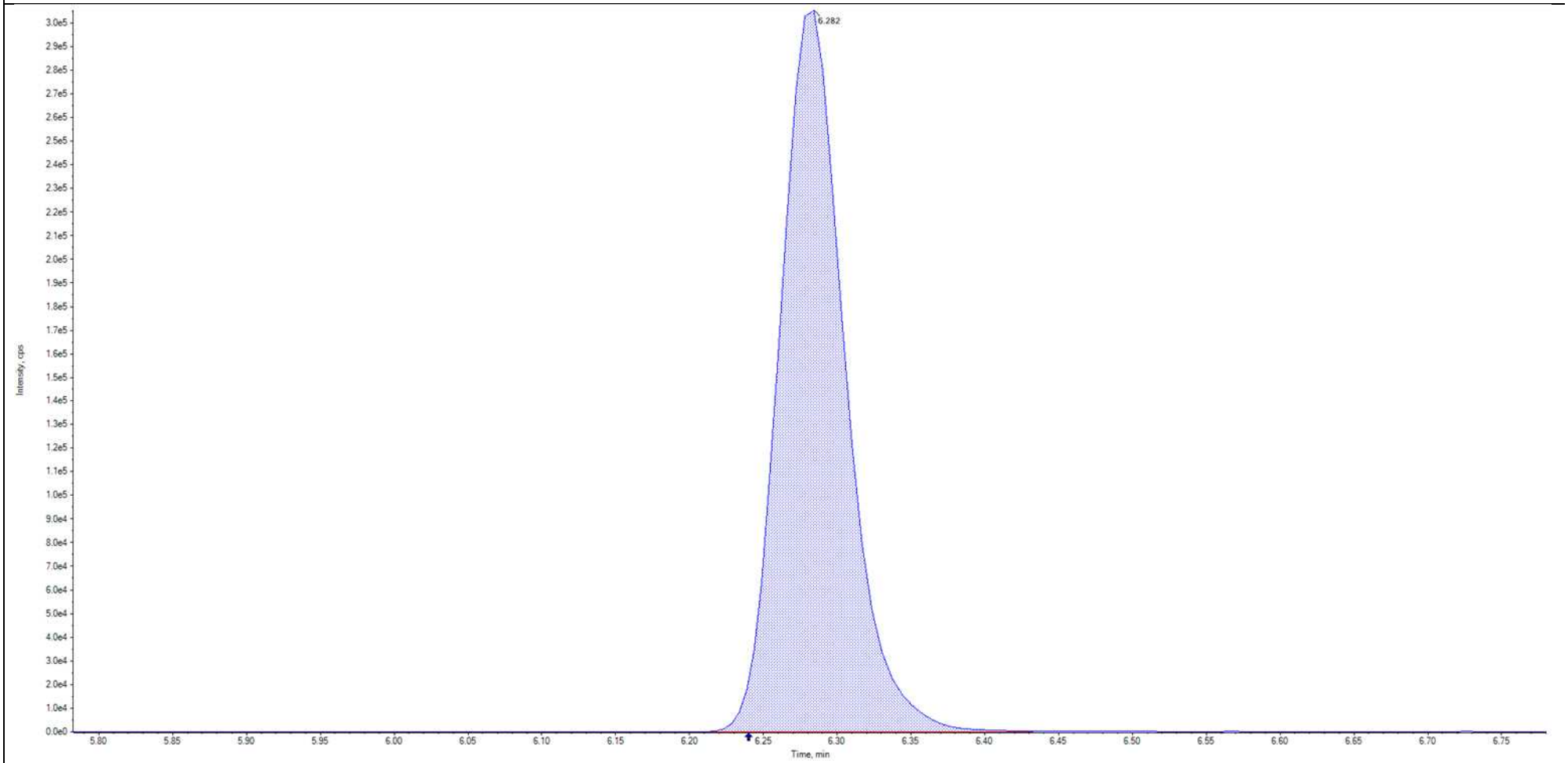
13C5-PFPeA
Sample: L2447503-01



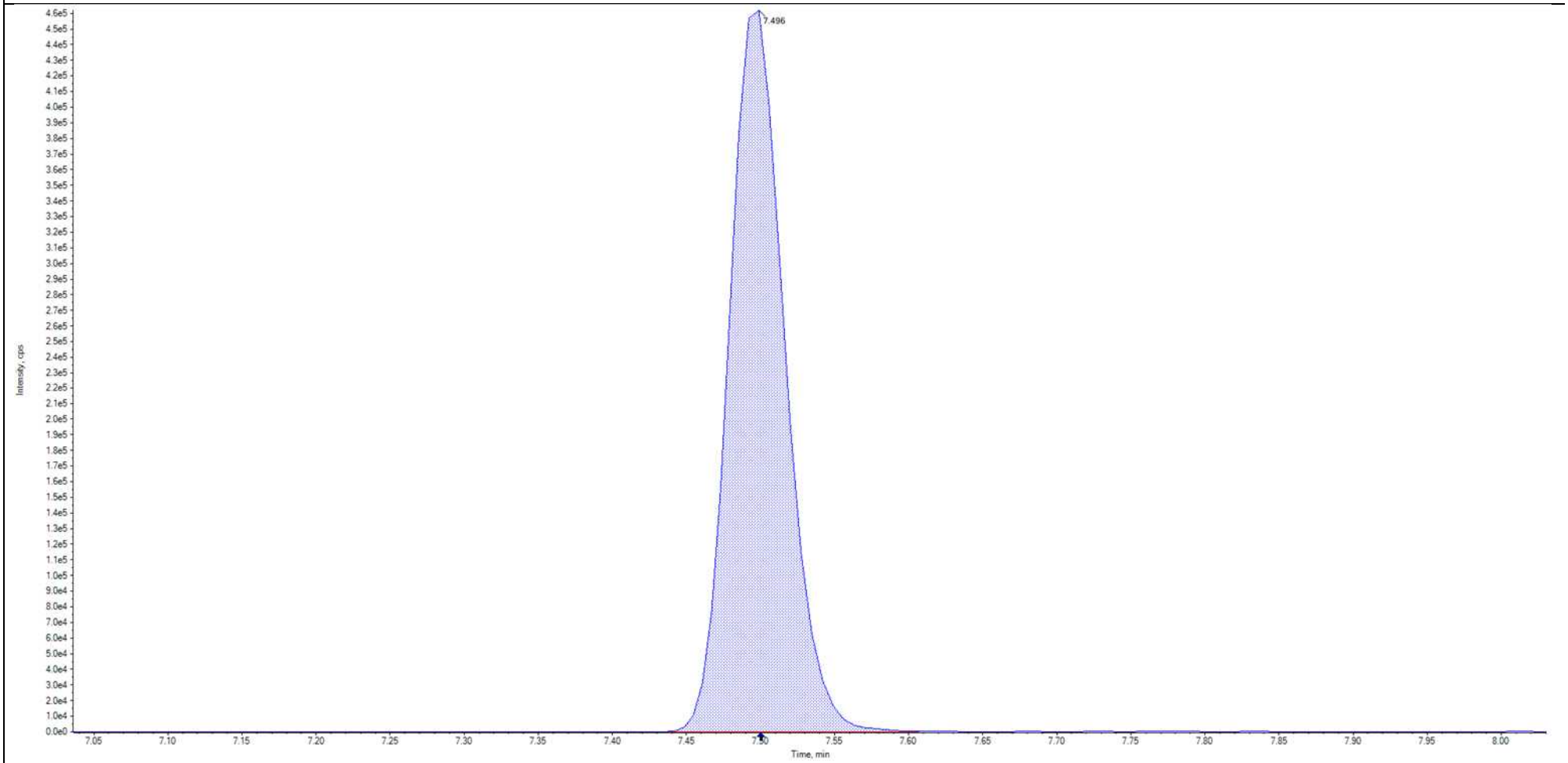
13C5-PFHxA
Sample: L2447503-01



13C4-PFHpA
Sample: L2447503-01

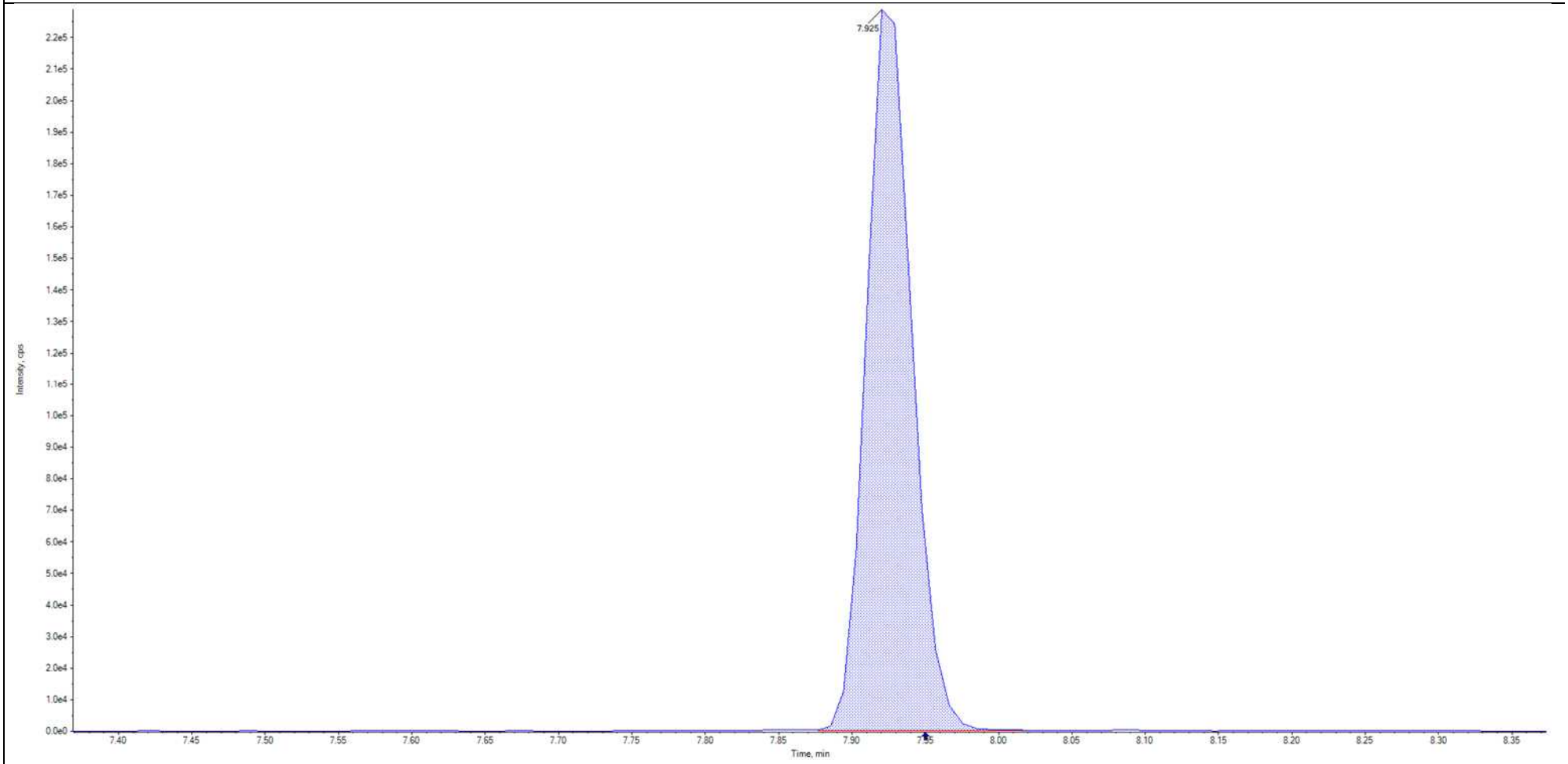


13C8-PFOA
Sample: L2447503-01

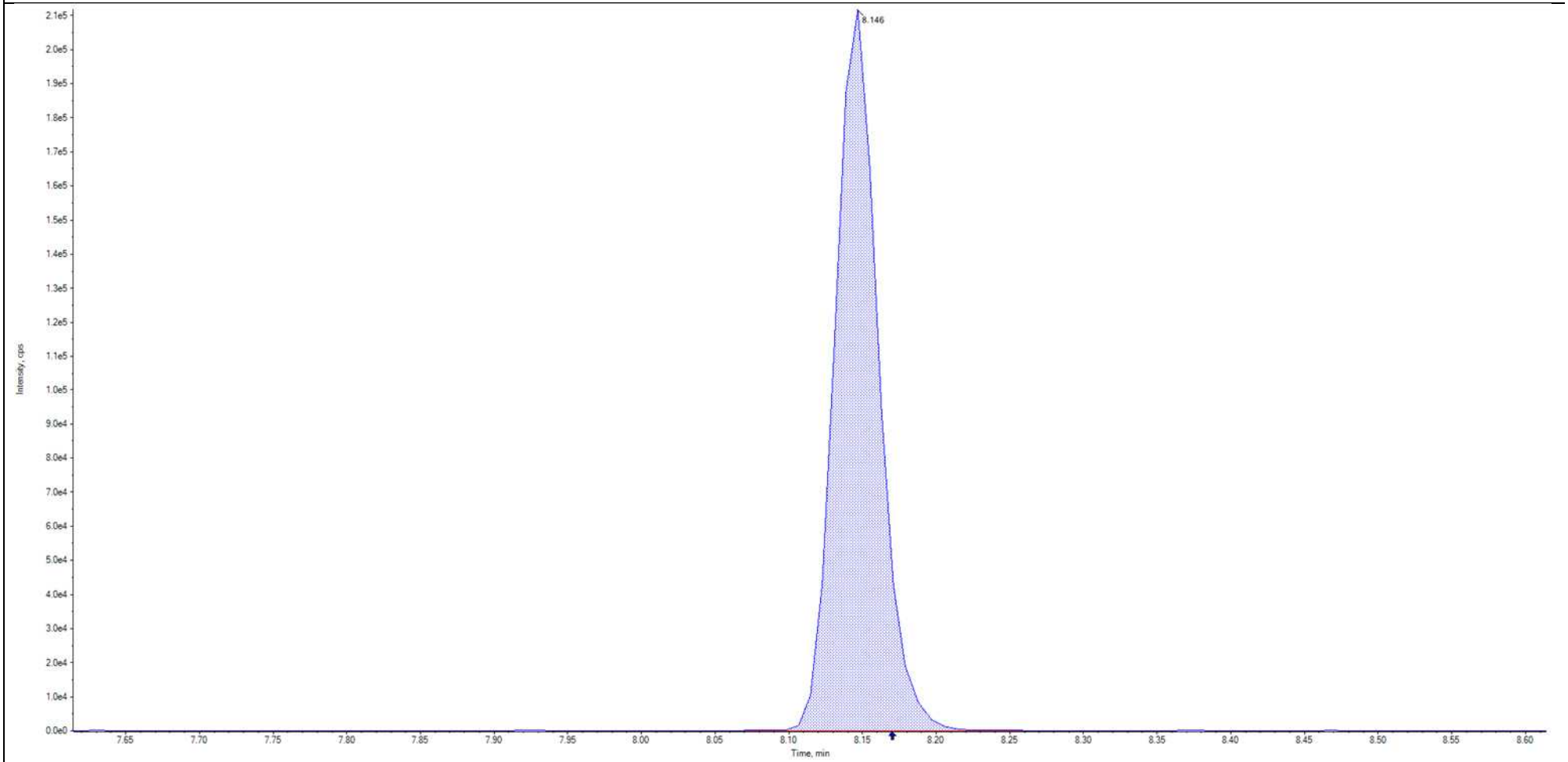


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

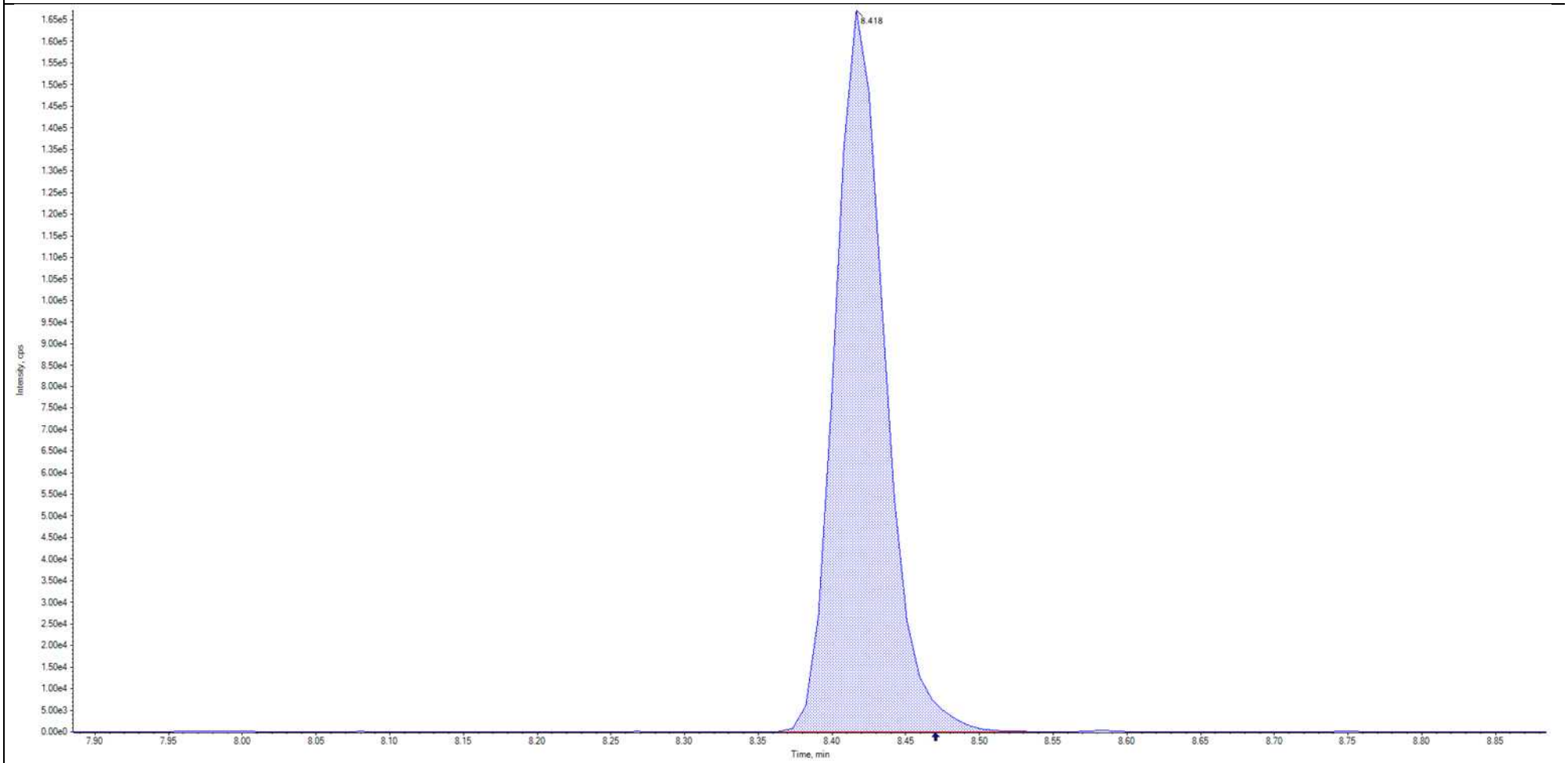
13C9-PFNA
Sample: L2447503-01



13C6-PFDA
Sample: L2447503-01

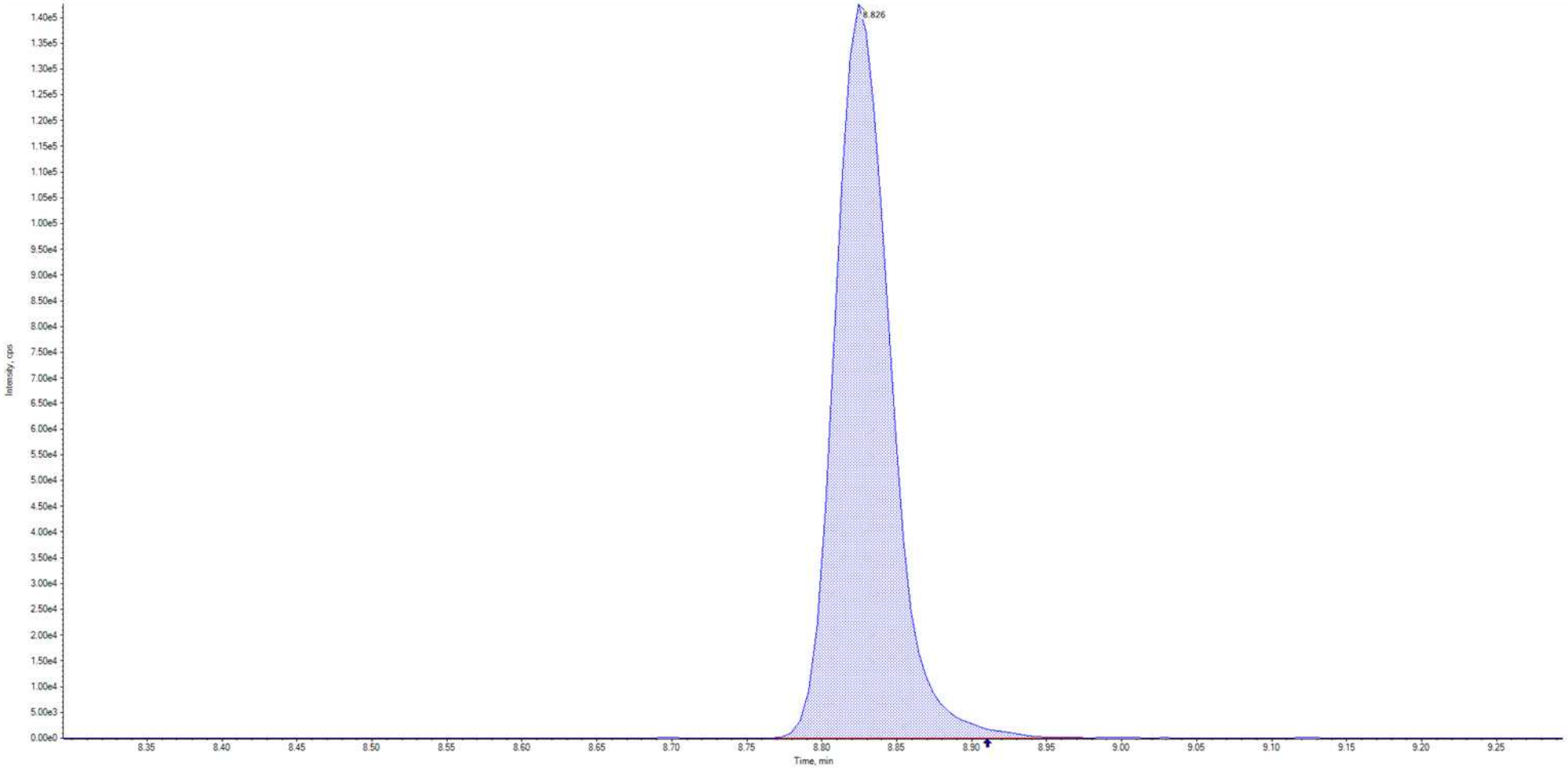


13C7-PFUnA
Sample: L2447503-01

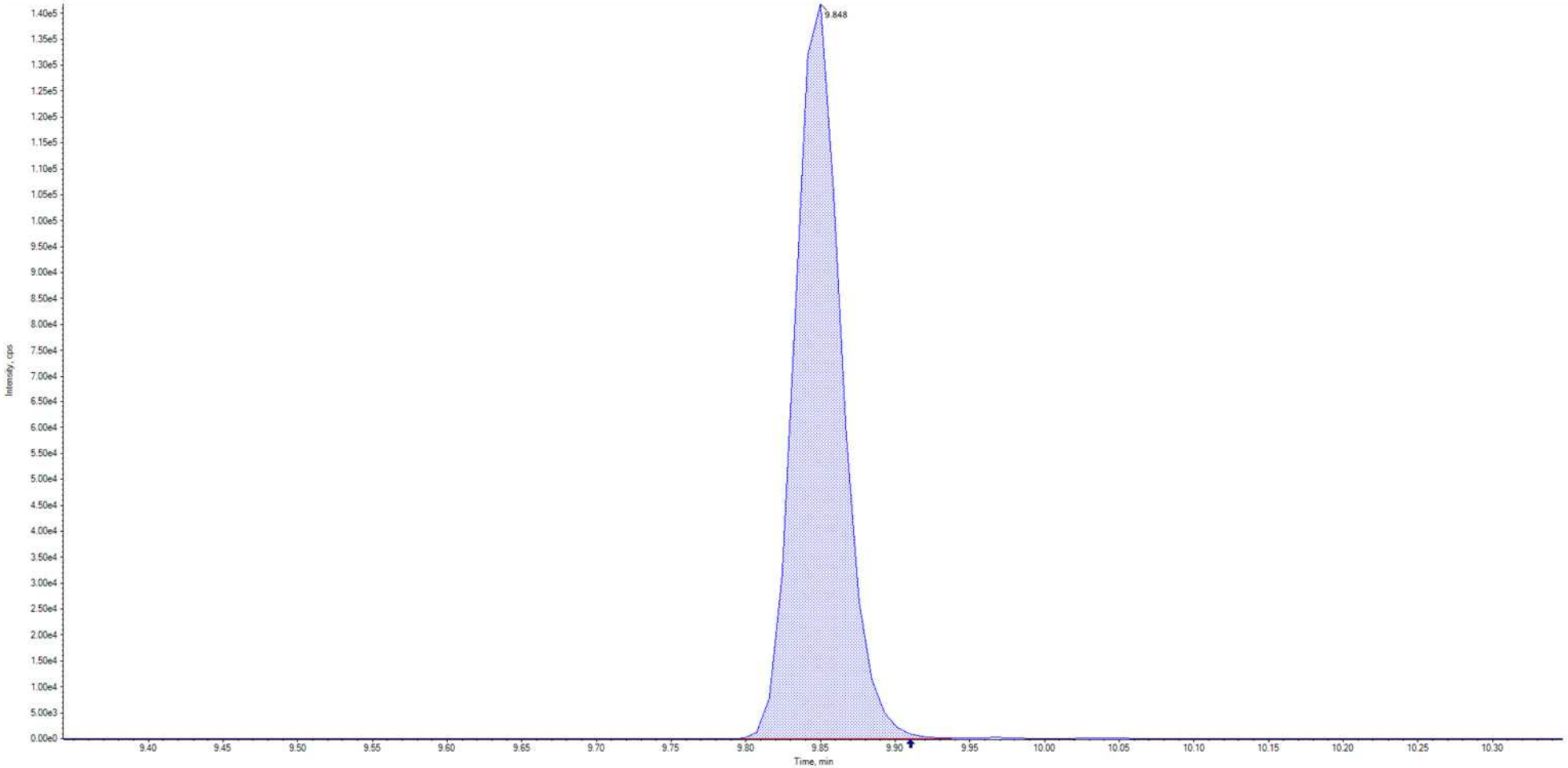


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C2-PFDoA
Sample: L2447503-01

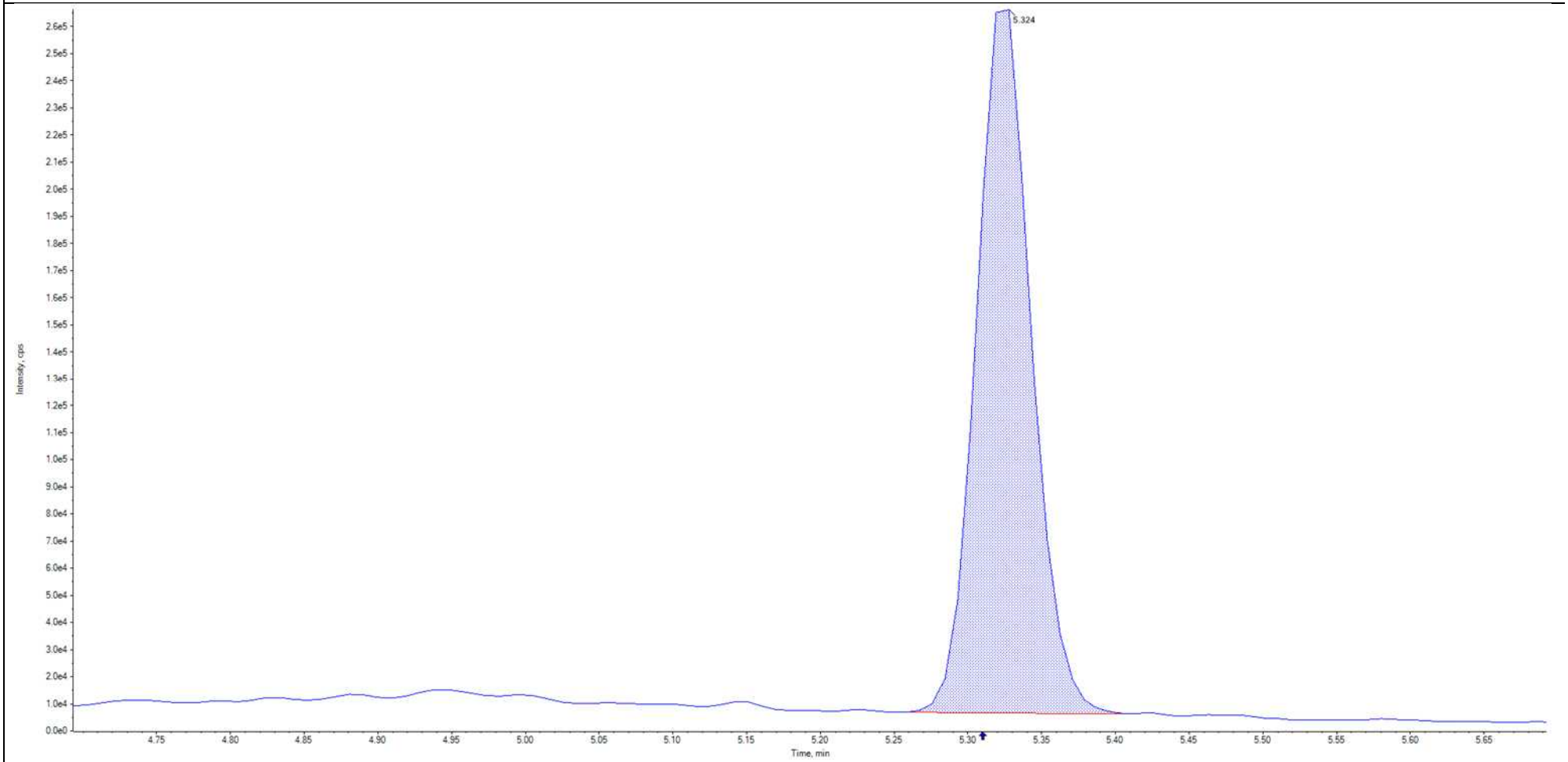


13C2-PFTeDA
Sample: L2447503-01



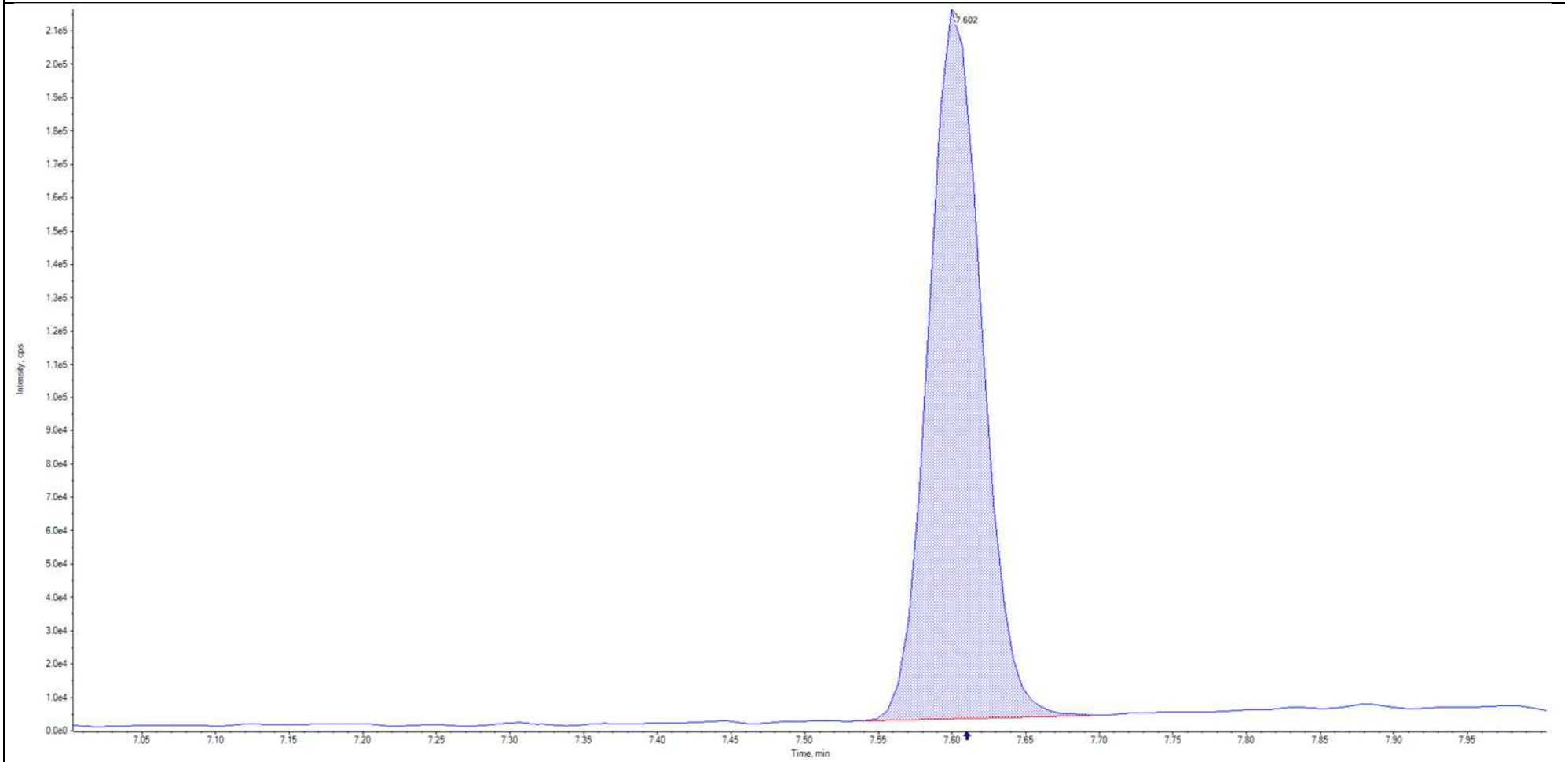
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C3-PFBS
Sample: L2447503-01



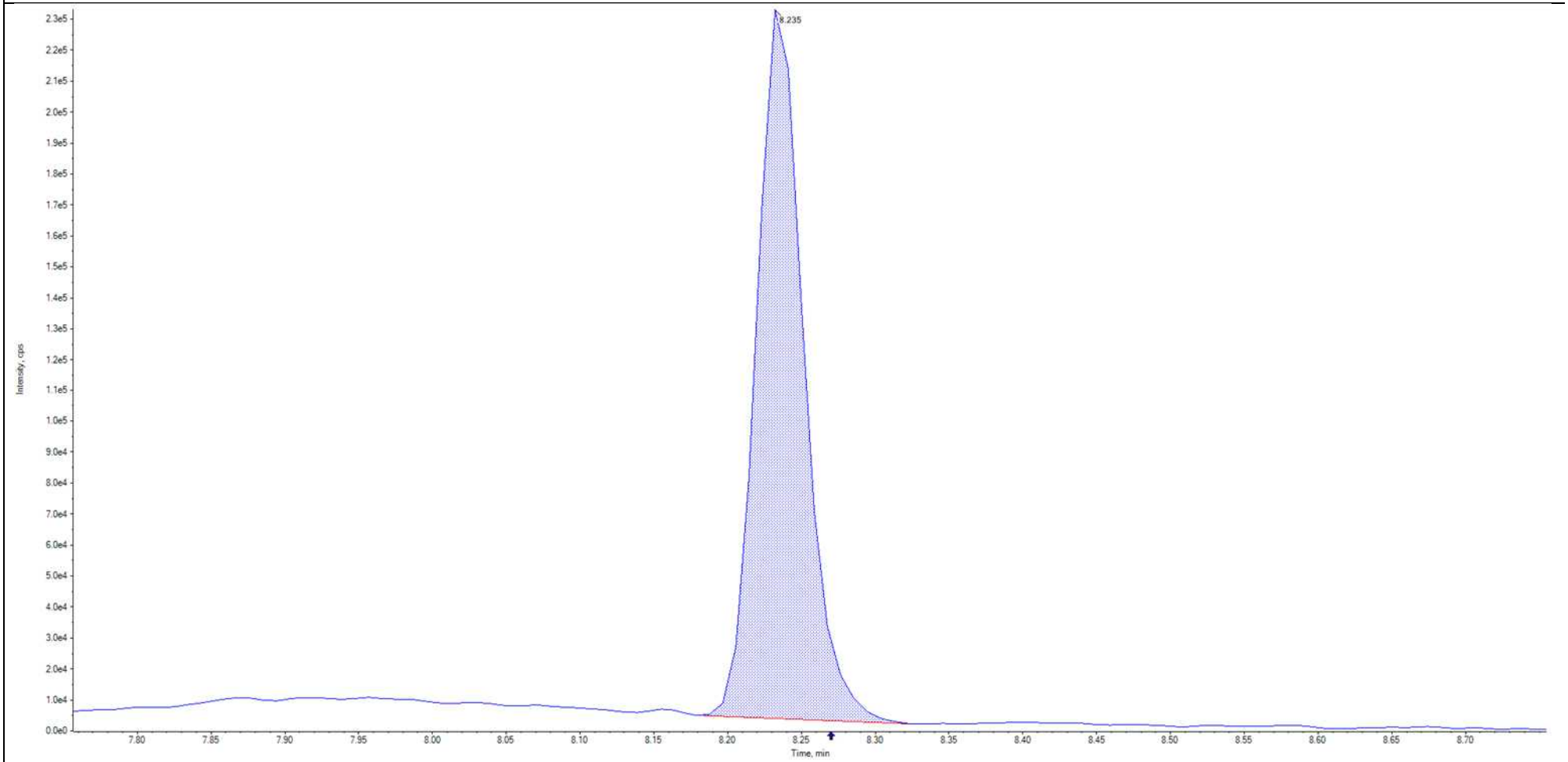
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C3-PFHxS
Sample: L2447503-01



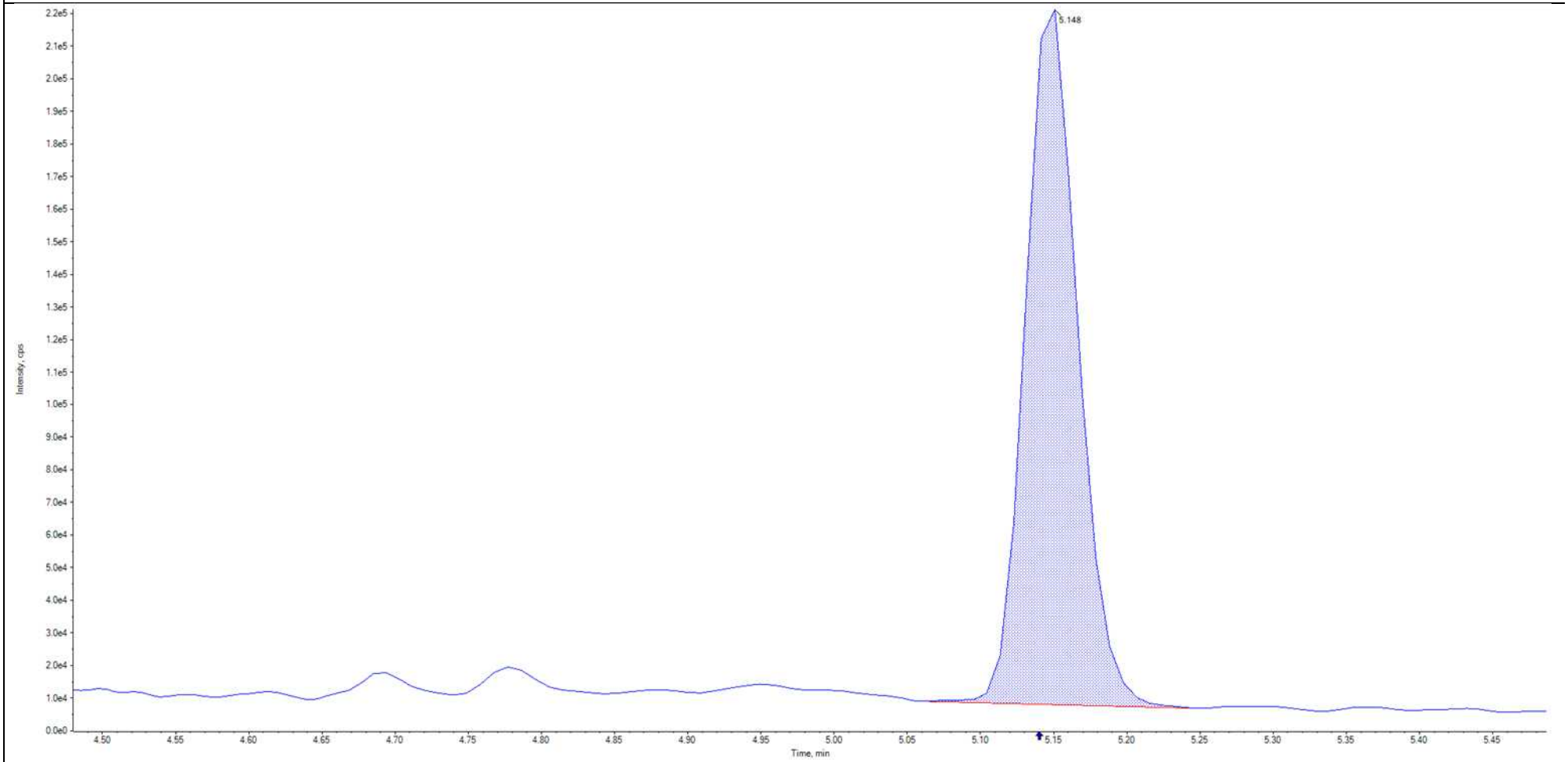
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C8-PFOS
Sample: L2447503-01

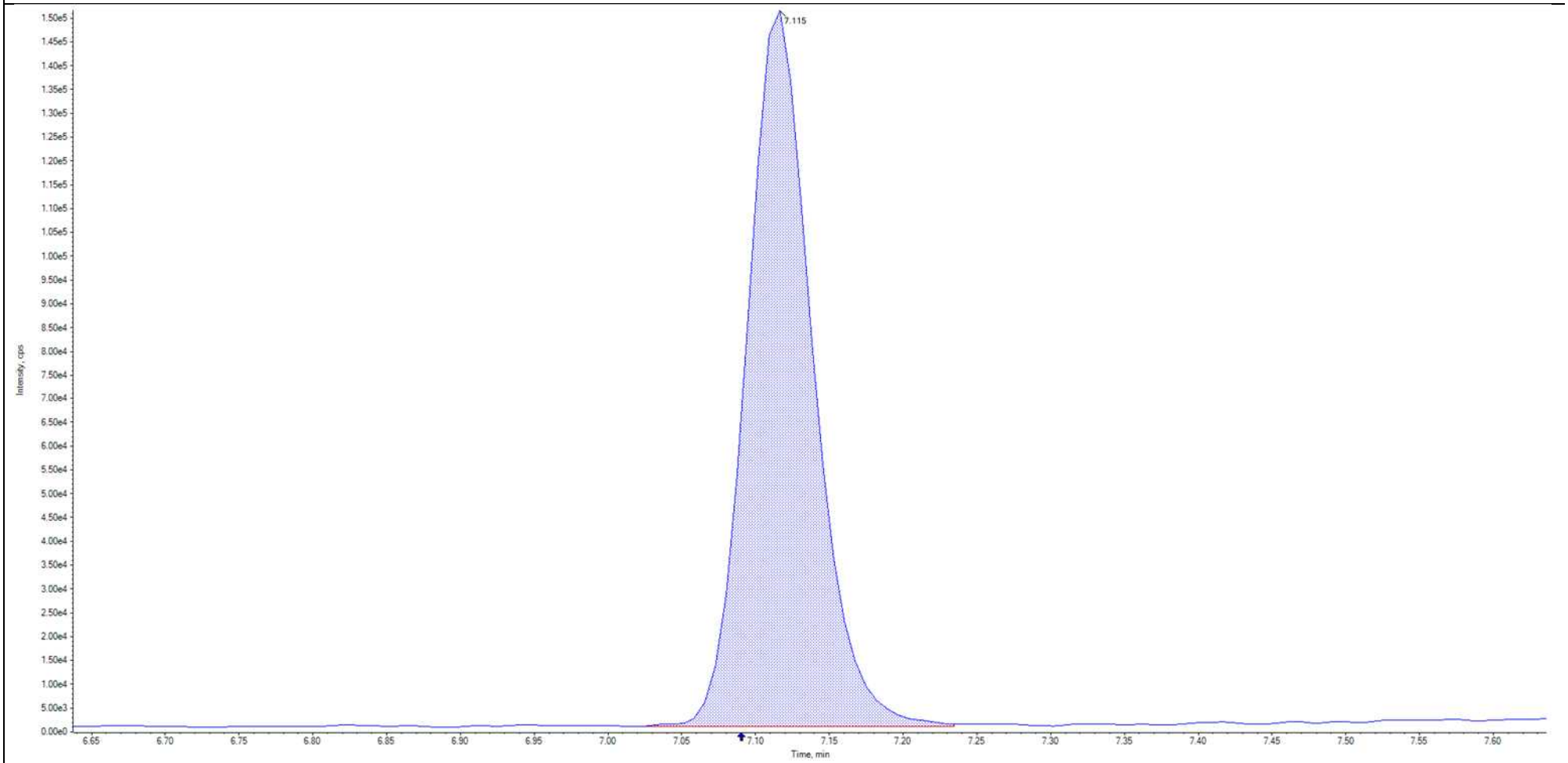


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_18.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

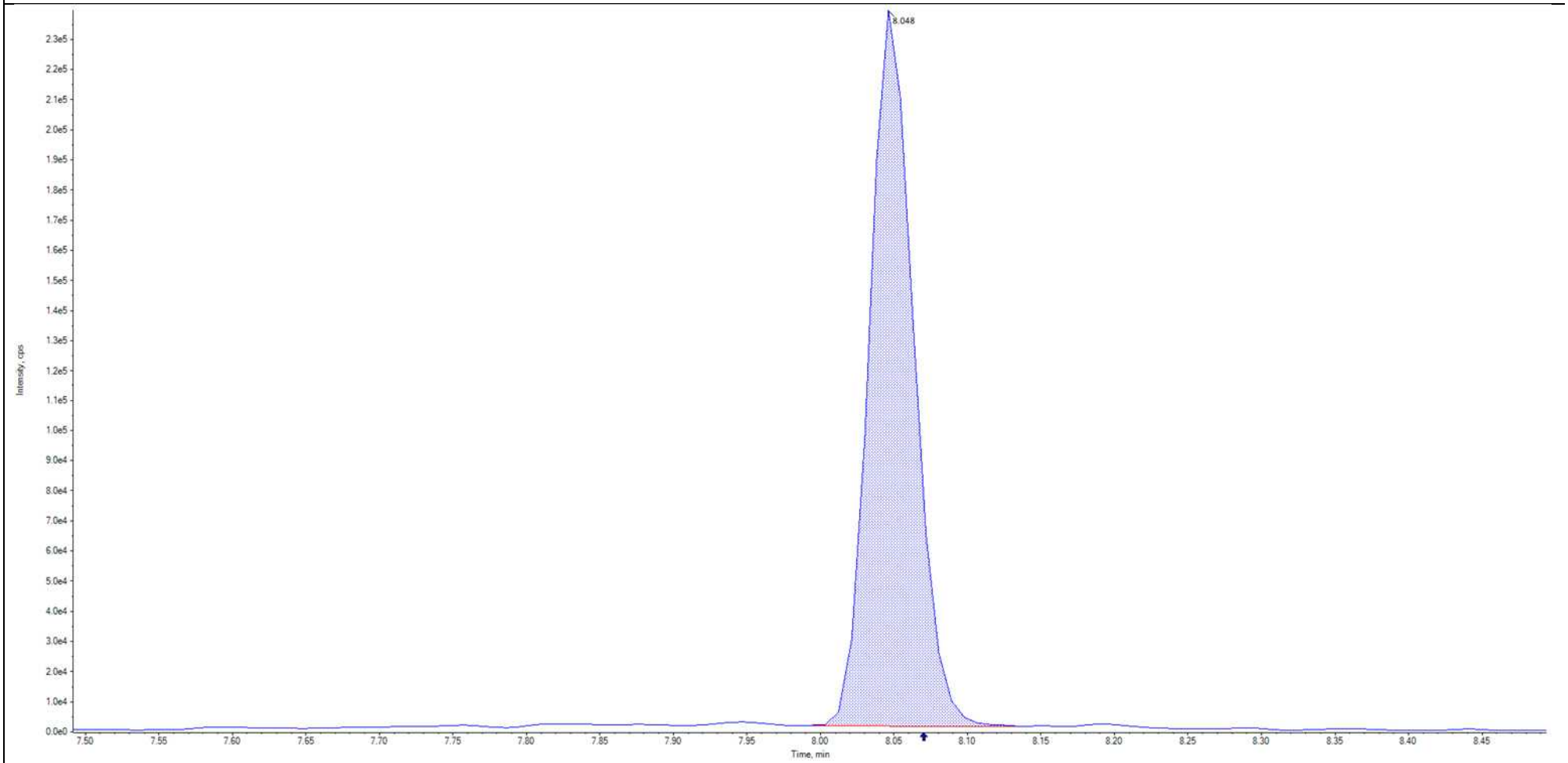
13C2-4:2FTS
Sample: L2447503-01



13C2-6:2FTS
Sample: L2447503-01



13C2-8:2FTS
Sample: L2447503-01



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13C8-PFOSA
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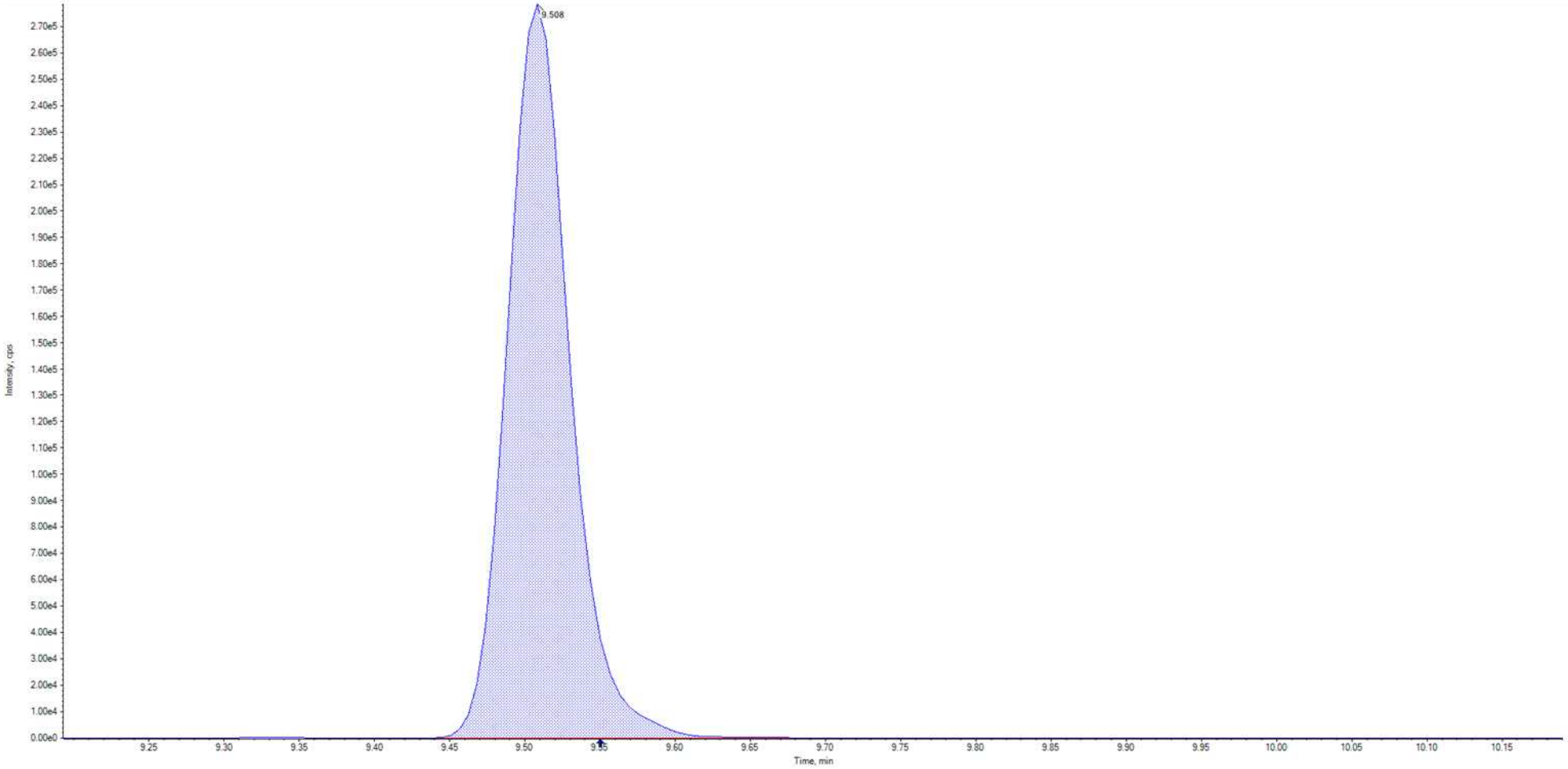
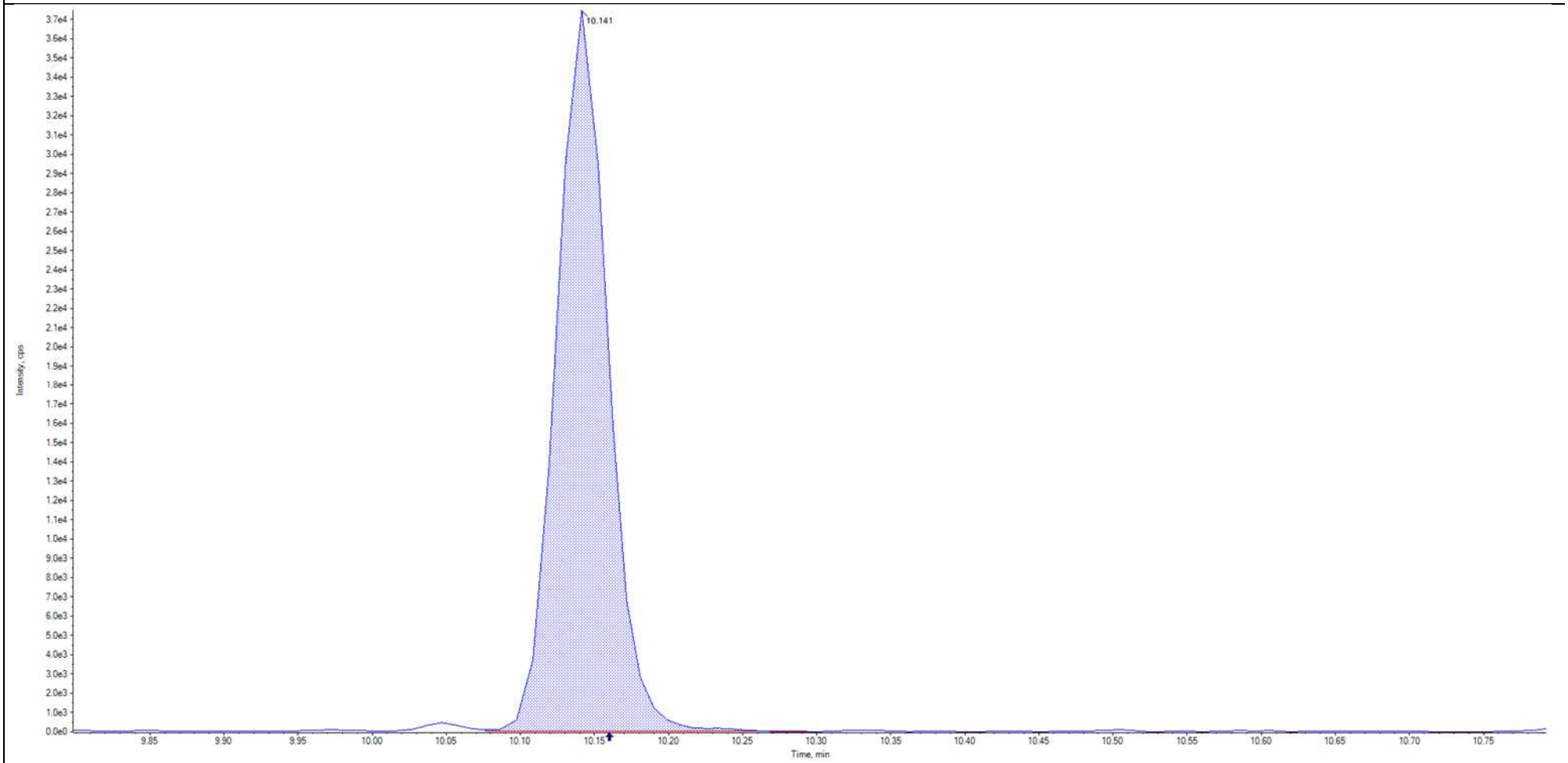


d3-NMeFOSA
Sample: L2447503-01



d5-NEtFOSA
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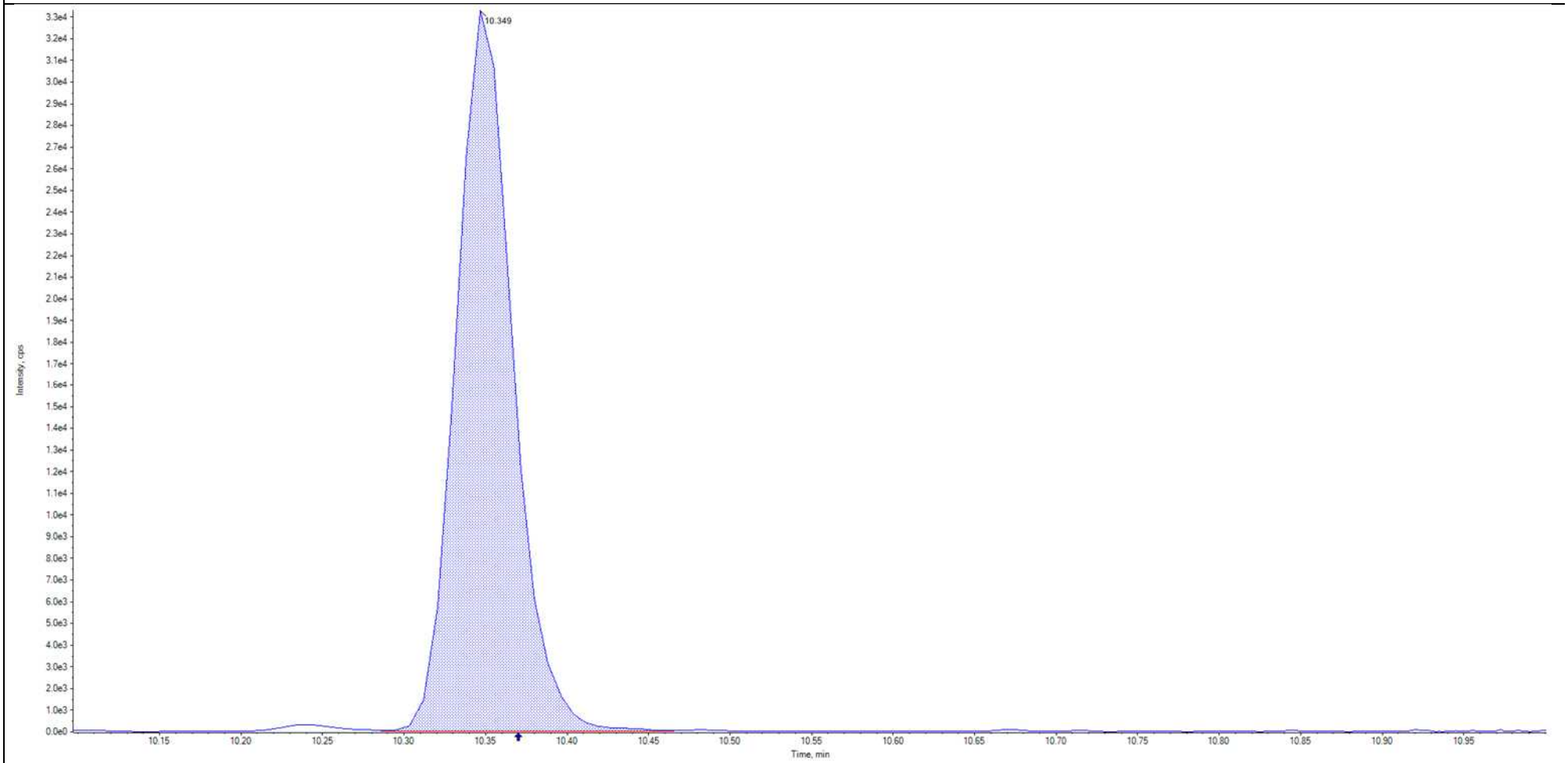

d3-NMeFOSAA
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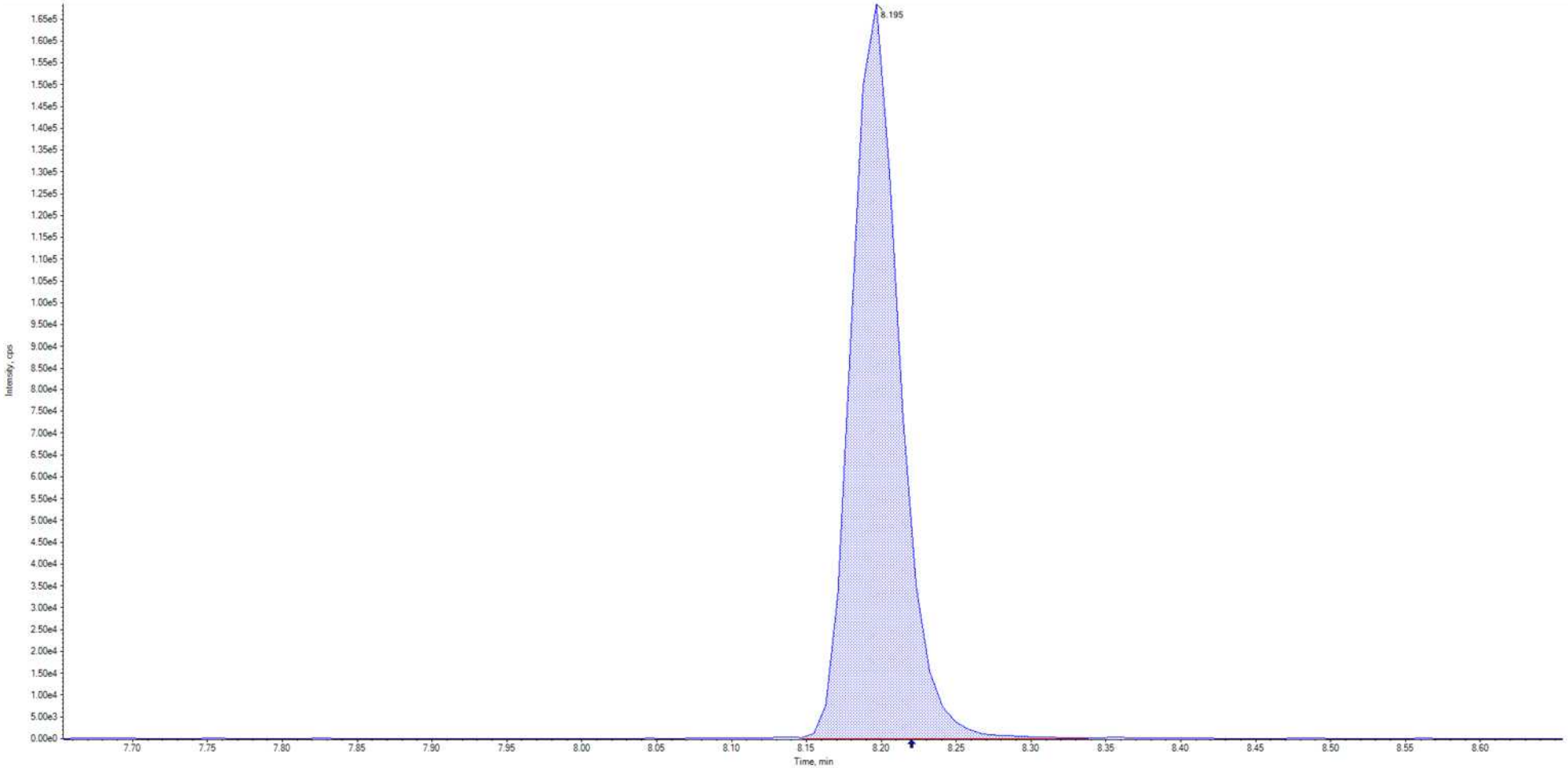

d5-NEtFOSAA
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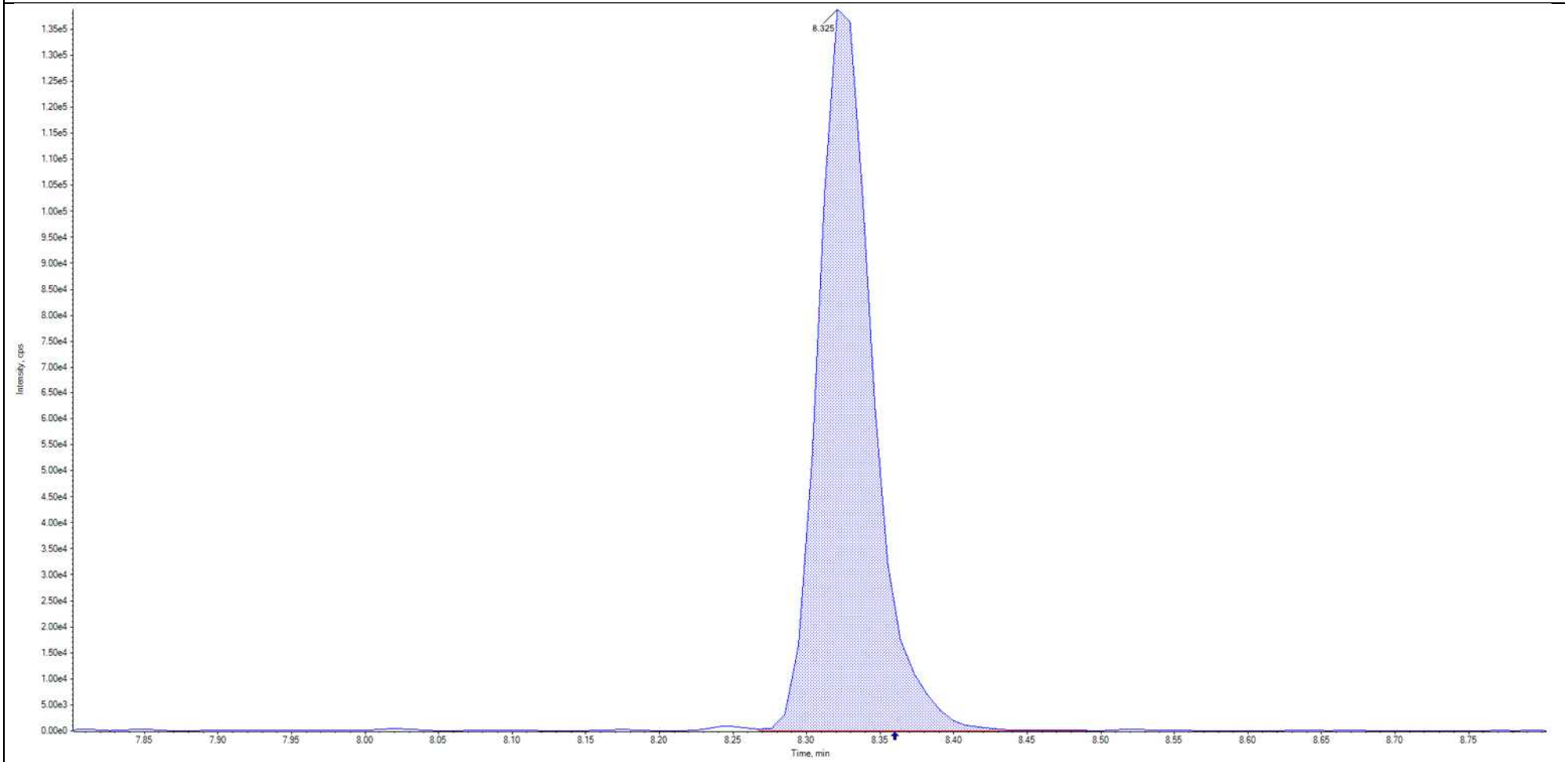
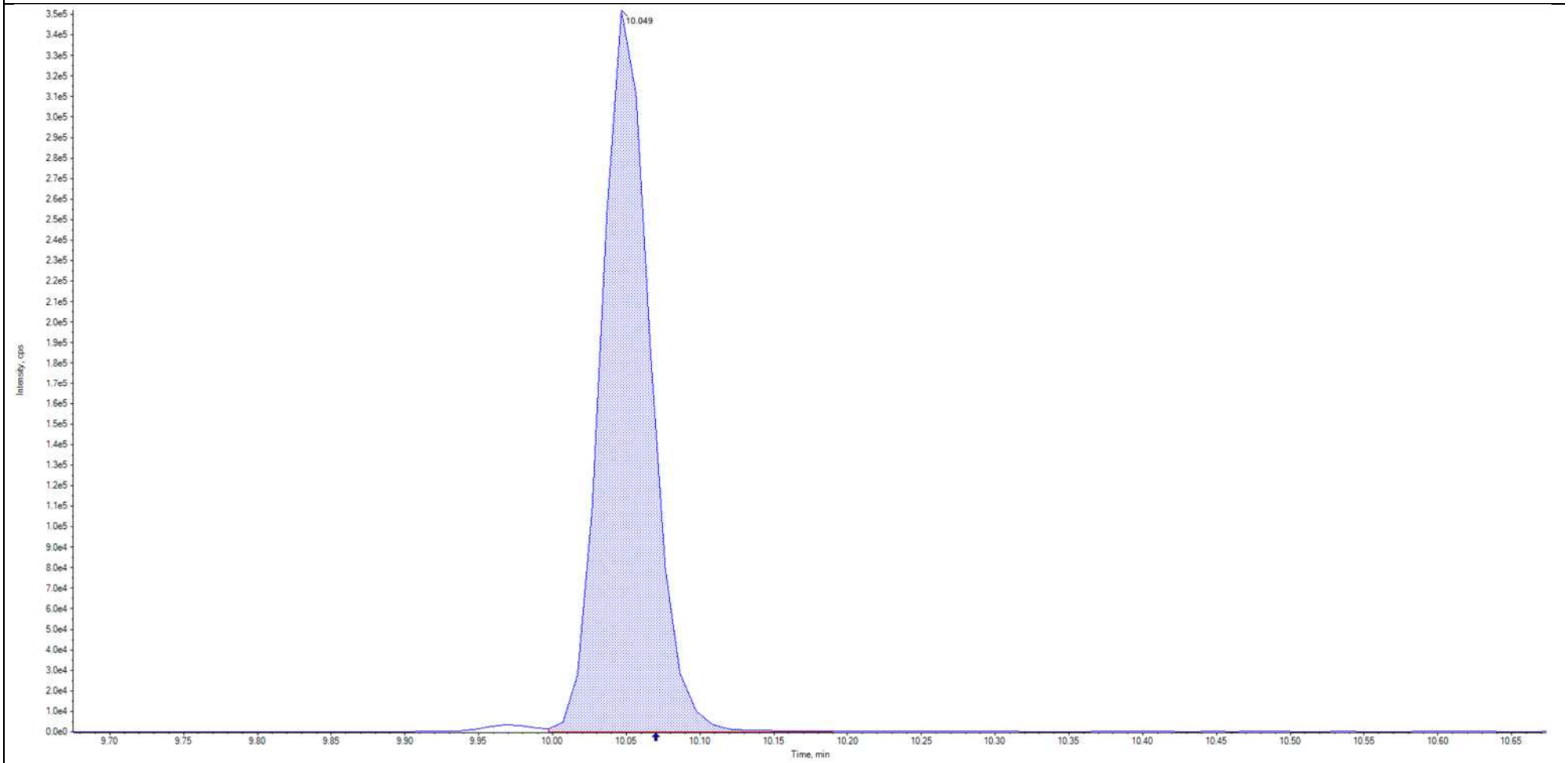
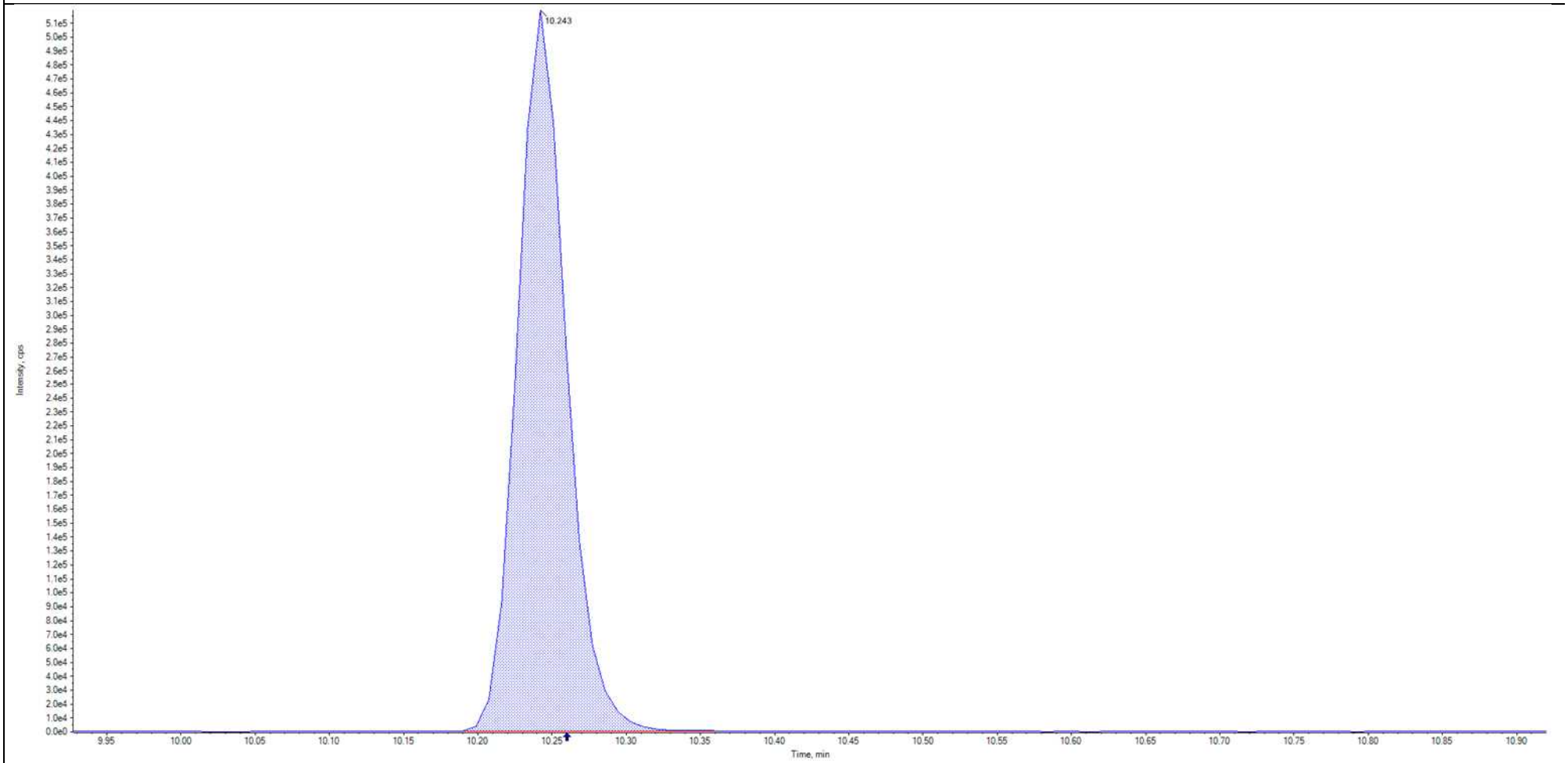


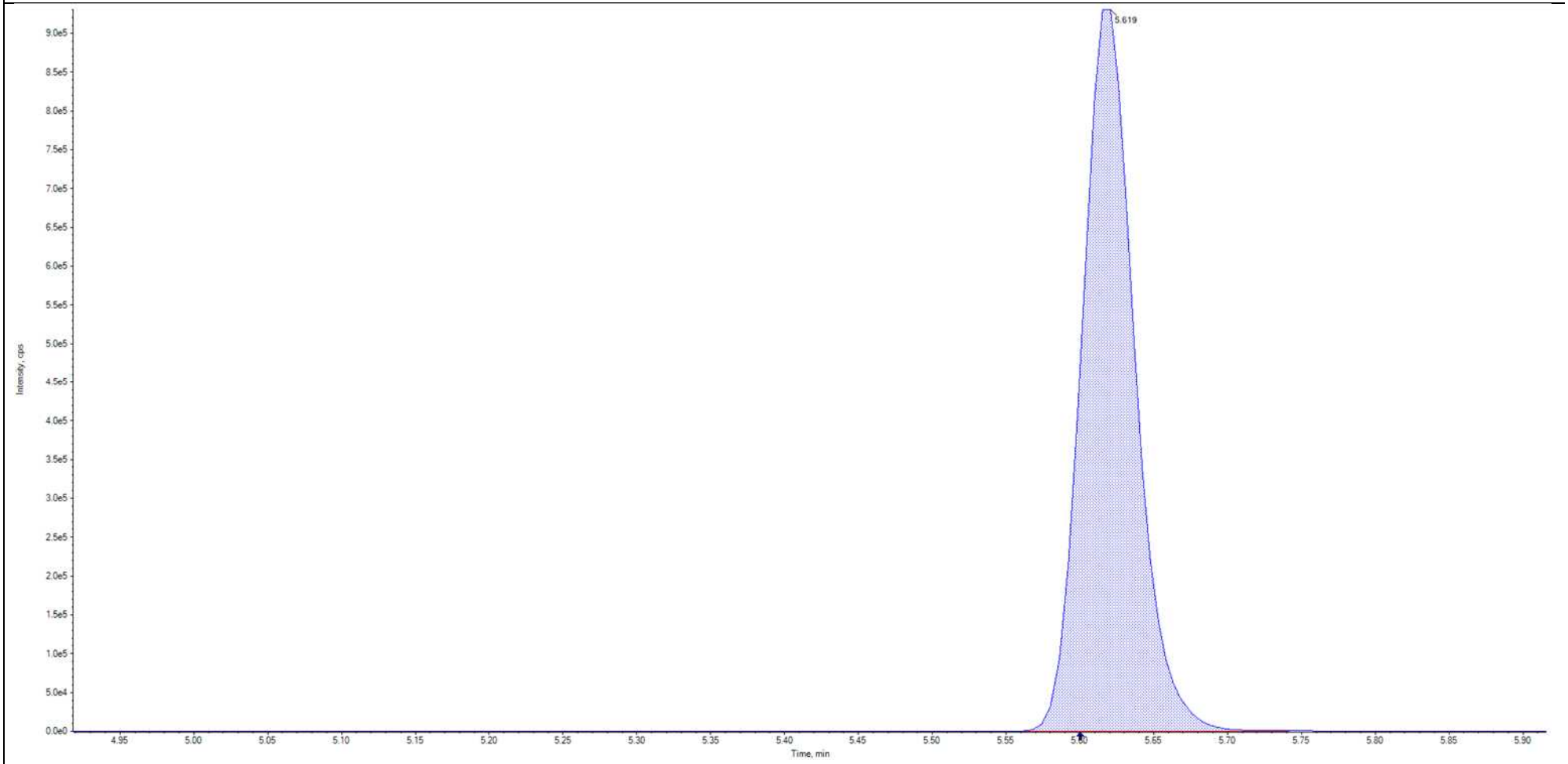
d7-NMeFOSE
Sample: L2447503-01



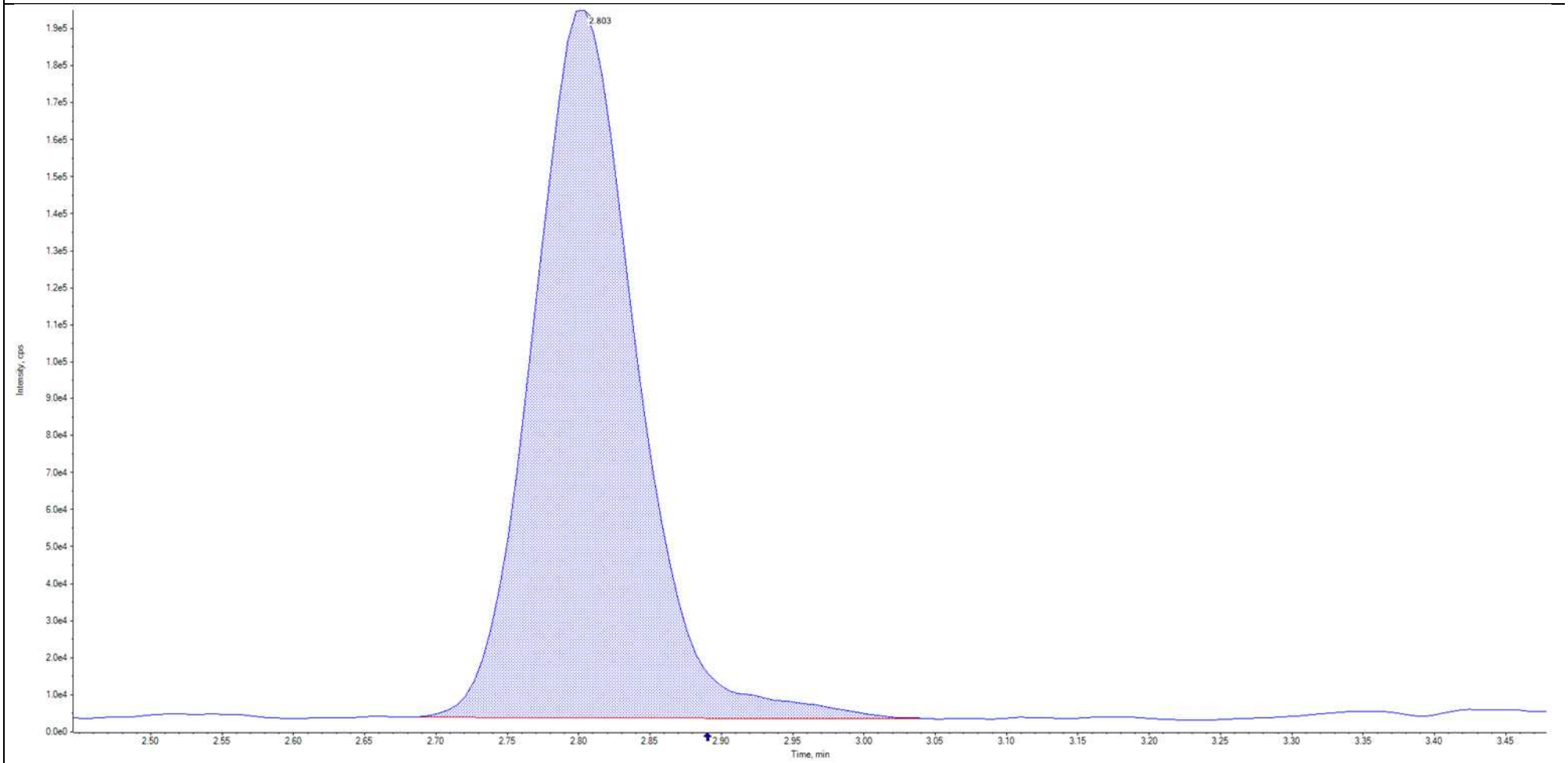
d9-NEtFOSE
Sample: L2447503-01



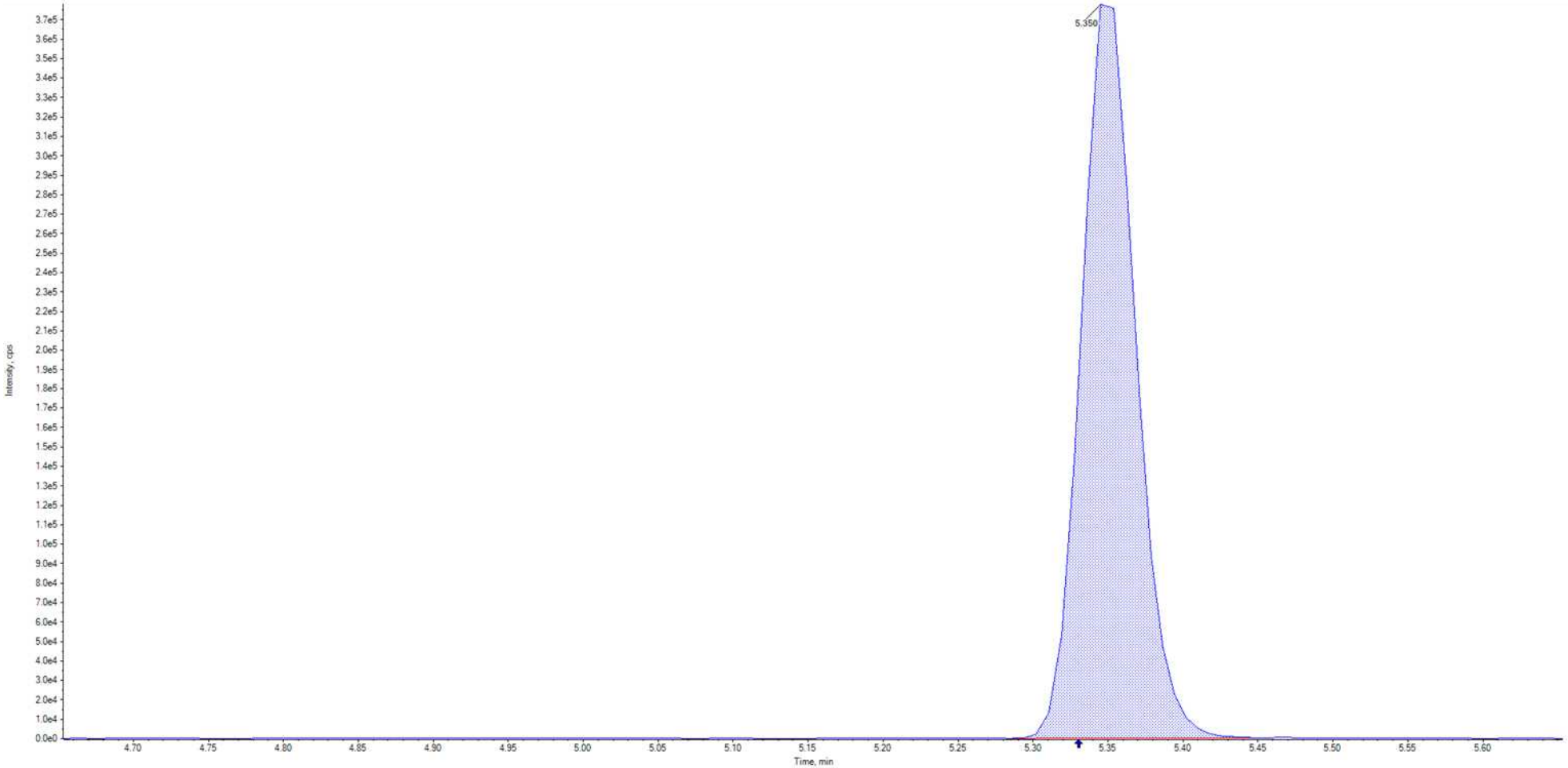
13C3-HFPO-DA
Sample: L2447503-01



13C3-PFBA
Sample: L2447503-01



13C2-PFHxA
Sample: L2447503-01



13C4-PFOA
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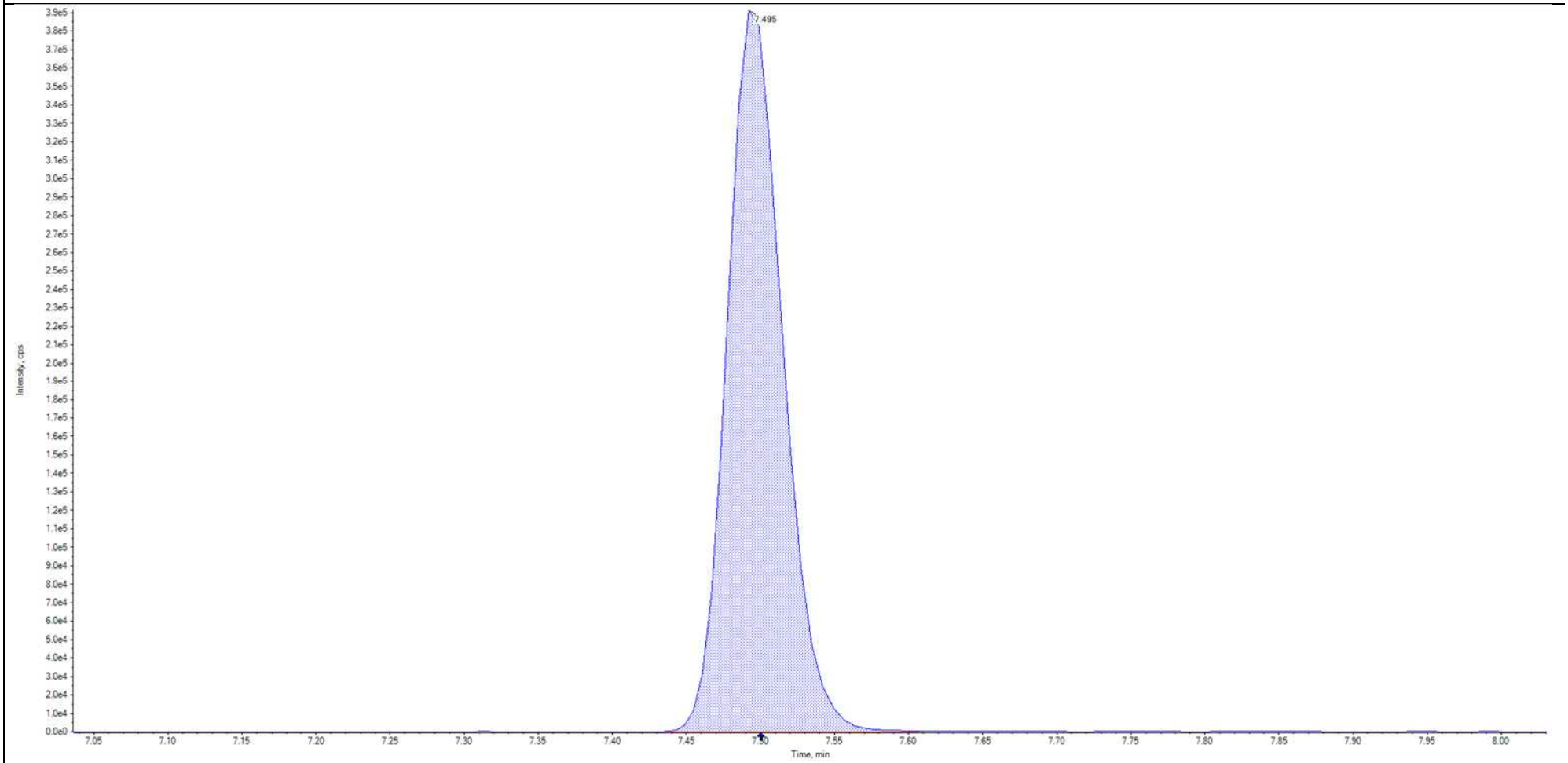

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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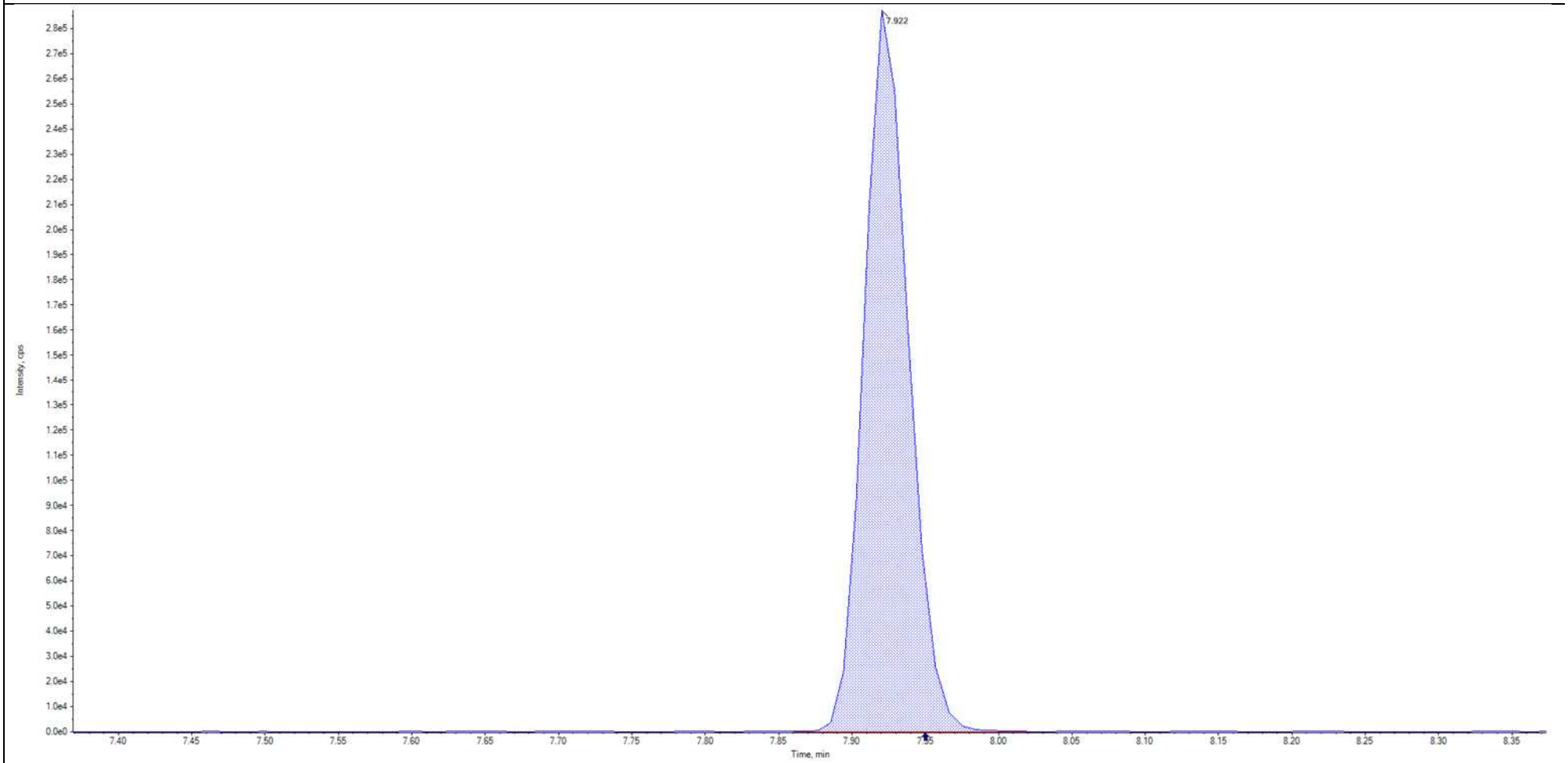
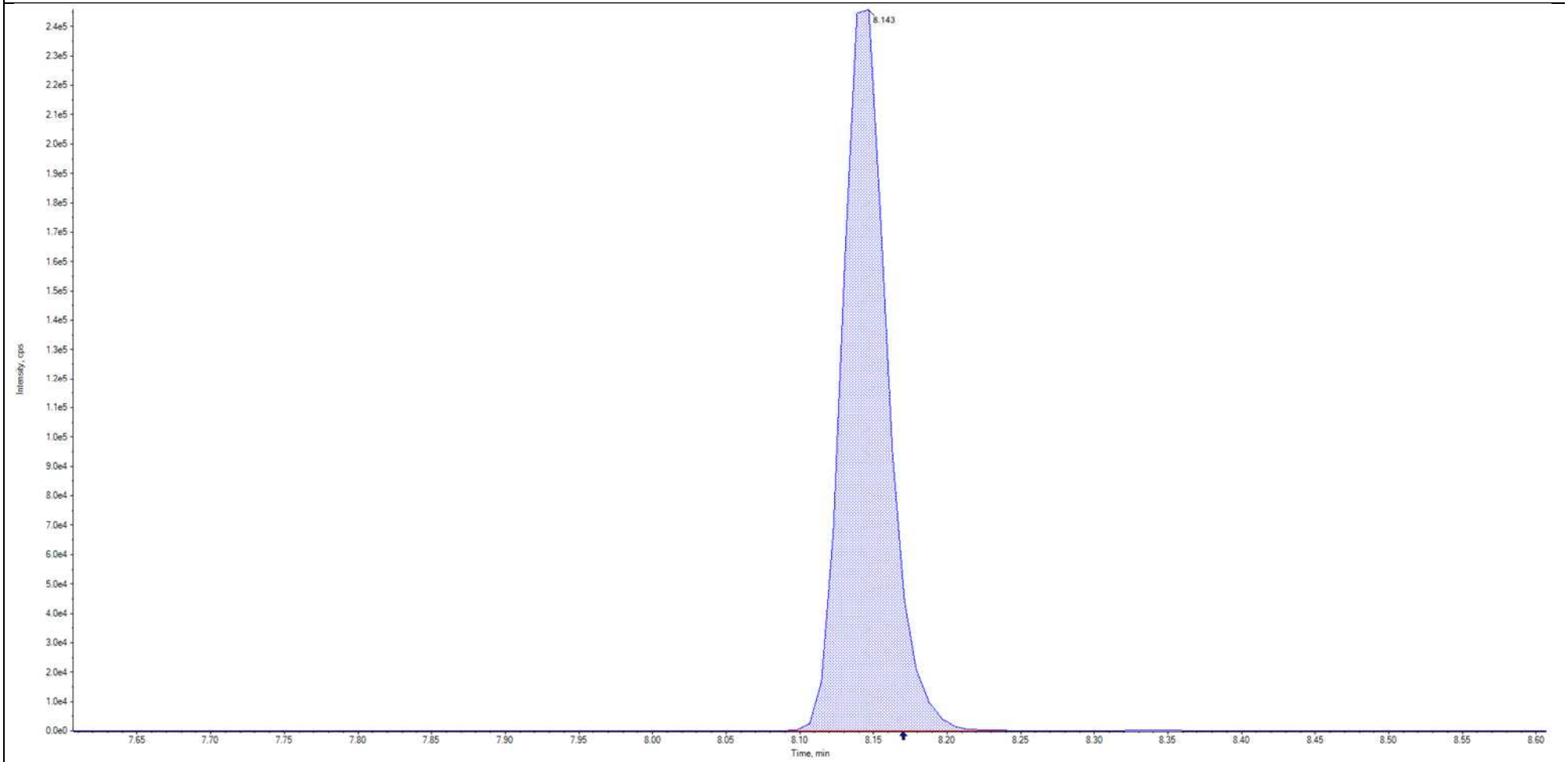
13C5-PFNA
Sample: L2447503-01



13C2-PFDA
Sample: L2447503-01



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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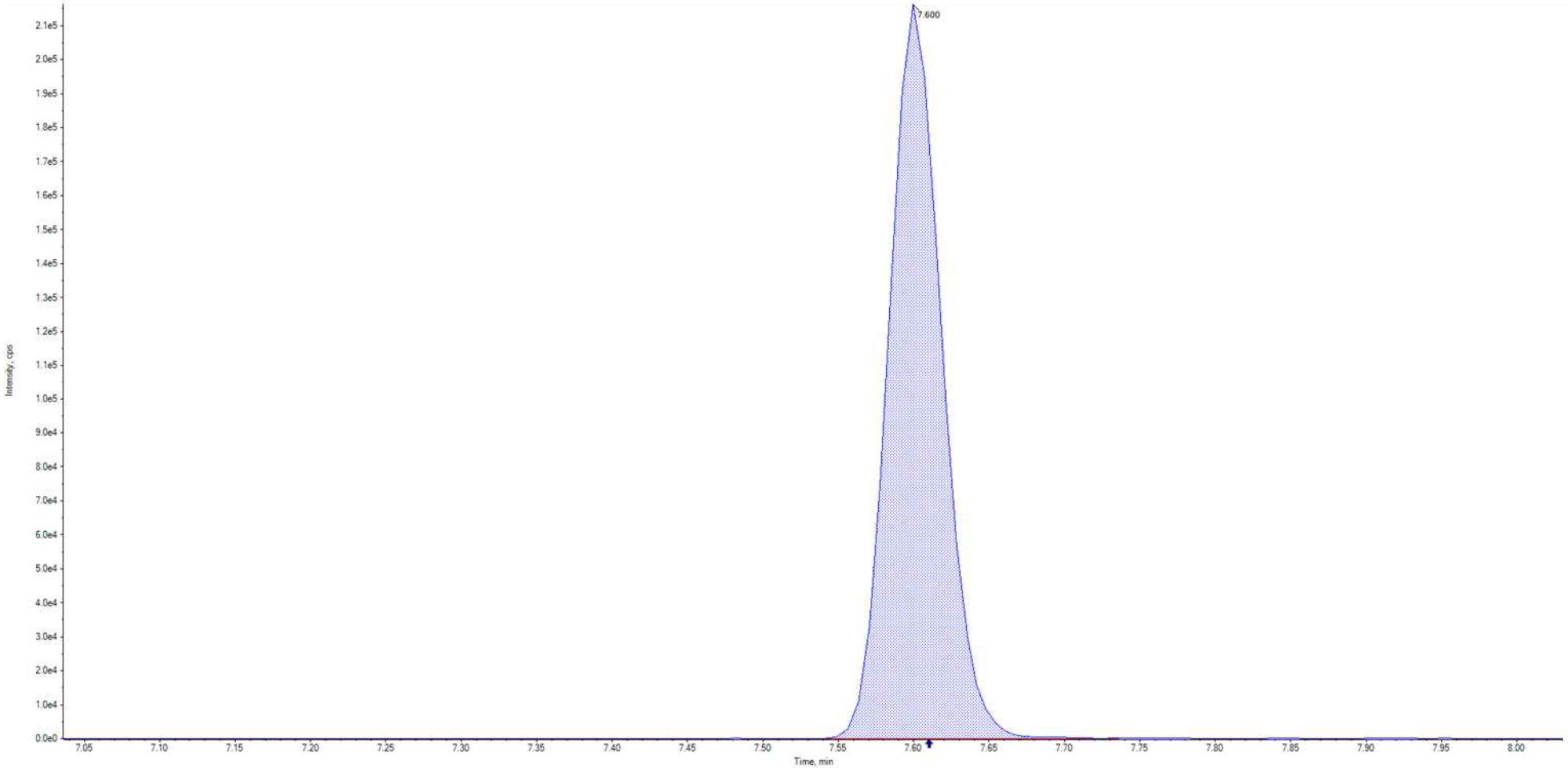
18O2-PFHxS
Sample: L2447503-01



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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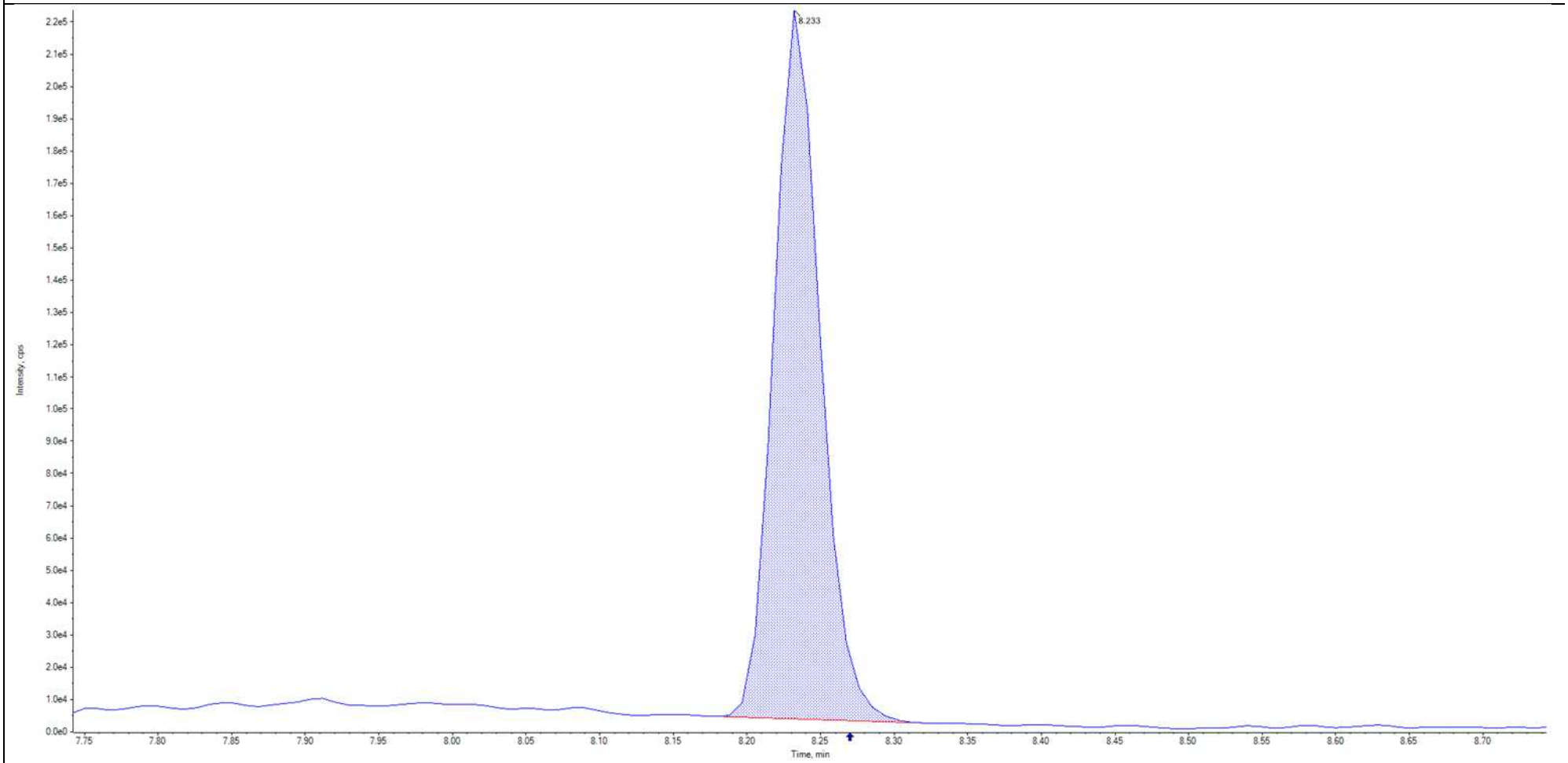
13C4-PFOS
Sample: L2447503-01



Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 9/17/2024 6:15:27 AM

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 9/17/2024 6:15:27 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

ID: L2447503-05
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Date & Time: 2024-09-17T08:52:06
Description: WG1972379,WG1971858,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.84	213.0 / 169.0	32152		0.161	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	4.67	263.0 / 219.0	61036		0.207	0.009	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	4.67	263.0 / 68.9	547		0.263	0.009	0.007	N/A	N/A
4	PFHxA	307-24-4	5.37	313.0 / 269.0	99251	M4	0.218	0.080	0.072	Pass	N/A
5	PFHxA_2	307-24-4	5.37	313.0 / 119.0	7935		0.236	0.080	0.072	Pass	N/A
6	PFHpA	375-85-9	6.29	363.1 / 319.0	69414		0.155	0.306	0.297	Pass	N/A
7	PFHpA_2	375-85-9	6.29	363.1 / 169.0	21263		0.155	0.306	0.297	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.51	413.1 / 369.1	79423	M5	0.282	0.498	0.586	Pass	N/A
9	PFOA_2	335-67-1	7.51	413.1 / 169.0	39515	M7	0.256	0.498	0.586	Pass	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.313	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 218.9	N/A		N/A	N/A	0.313	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	5.34	299.1 / 80.1	19833		0.061	0.351	0.396	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.34	299.1 / 99.1	6963		0.053	0.351	0.396	Pass	N/A
24	PFPeS	2706-91-4	6.37	349.1 / 80.1	4796	M2	0.019	0.309	0.299	Pass	N/A
25	PFPeS_2	2706-91-4	6.38	349.1 / 99.1	1482	M7	0.019	0.309	0.299	Pass	N/A
26	PFHxS	355-46-4	7.61	399.1 / 80.1	41827	M5	0.174	0.308	0.315	Pass	N/A
27	PFHxS_2	355-46-4	7.62	399.1 / 99.1	12875	M7	0.173	0.308	0.315	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	8.24	499.1 / 80.1	58695	M5	0.292	0.215	0.238	Pass	N/A
31	PFOS_2	1763-23-1	8.25	499.1 / 99.1	12636	M7	0.256	0.215	0.238	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.487	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	N/A	285.0 / 169.0	N/A		N/A	N/A	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.84	217.0 / 172.0	2464365		9.138	NA	NA	NA	91.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.67	268.0 / 223.0	1598656		4.883	NA	NA	NA	97.7
	13C5-PFHxA	EIS	5.36	318.0 / 273.0	932578		2.169	NA	NA	NA	86.7
	13C4-PFHpA	EIS	6.28	367.0 / 322.0	957053		2.223	NA	NA	NA	88.9
	13C8-PFOA	EIS	7.50	421.0 / 376.0	1355498		2.362	NA	NA	NA	94.5
	13C9-PFNA	EIS	7.93	472.0 / 427.0	596554		0.966	NA	NA	NA	77.3
	13C6-PFDA	EIS	8.15	519.0 / 474.0	484317		0.832	NA	NA	NA	66.6
	13C7-PFUnA	EIS	8.43	570.0 / 525.0	381872		0.811	NA	NA	NA	64.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	328988		1.074	NA	NA	NA	85.9
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	258346		0.777	NA	NA	NA	62.1
	13C3-PFBS	EIS	5.33	302.1 / 80.1	780909		2.158	NA	NA	NA	92.6
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	601265		2.092	NA	NA	NA	88.3
	13C8-PFOS	EIS	8.24	507.1 / 80.1	489900		1.679	NA	NA	NA	70.1
	13C2-4:2FTS	EIS	5.16	329.1 / 81.1	327009		5.064	NA	NA	NA	108.0
	13C2-6:2FTS	EIS	7.11	429.2 / 81.1	178298		3.768	NA	NA	NA	79.2
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	243380		3.514	NA	NA	NA	73.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.51	506.1 / 78.1	751326		1.937	NA	NA	NA	77.5
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	103501		1.585	NA	NA	NA	63.4
	d5-NEtFOSA	EIS	10.36	531.2 / 219.0	96163		1.507	NA	NA	NA	60.3
	d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	315838		2.139	NA	NA	NA	42.8
	d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	246260		3.174	NA	NA	NA	63.5
	d7-NMeFOSE	EIS	10.06	623.2 / 58.9	1049926		20.820	NA	NA	NA	83.3
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1532771		20.615	NA	NA	NA	82.5

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.63	287.0 / 169.0	2648954		9.295	NA	NA	NA	92.9
	13C3-PFBA	NIS	2.83	216.0 / 172.0	1179776		5.518	NA	NA	NA	110.4
	13C2-PFHxA	NIS	5.36	315.0 / 270.0	1276881		2.608	NA	NA	NA	104.3
	13C4-PFOA	NIS	7.50	417.0 / 372.0	750607		2.398	NA	NA	NA	95.9
	13C5-PFNA	NIS	7.93	468.0 / 423.0	752128		1.373	NA	NA	NA	109.9
	13C2-PFDA	NIS	8.15	515.1 / 470.1	683728		1.334	NA	NA	NA	106.7
	18O2-PFHxS	NIS	7.61	403.1 / 84.1	584109		2.493	NA	NA	NA	105.2
	13C4-PFOS	NIS	8.24	503.1 / 80.1	516152		2.451	NA	NA	NA	102.4

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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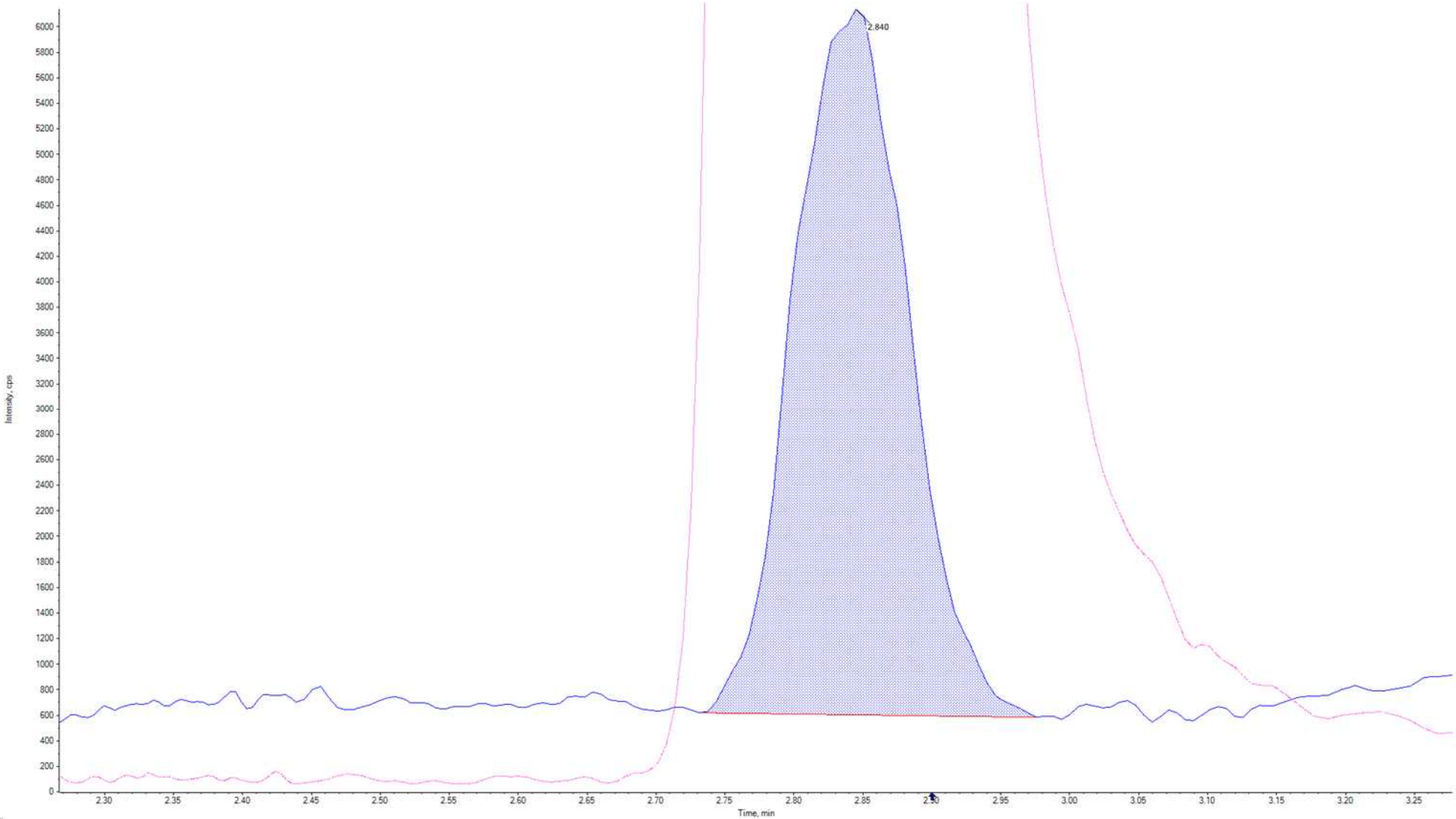
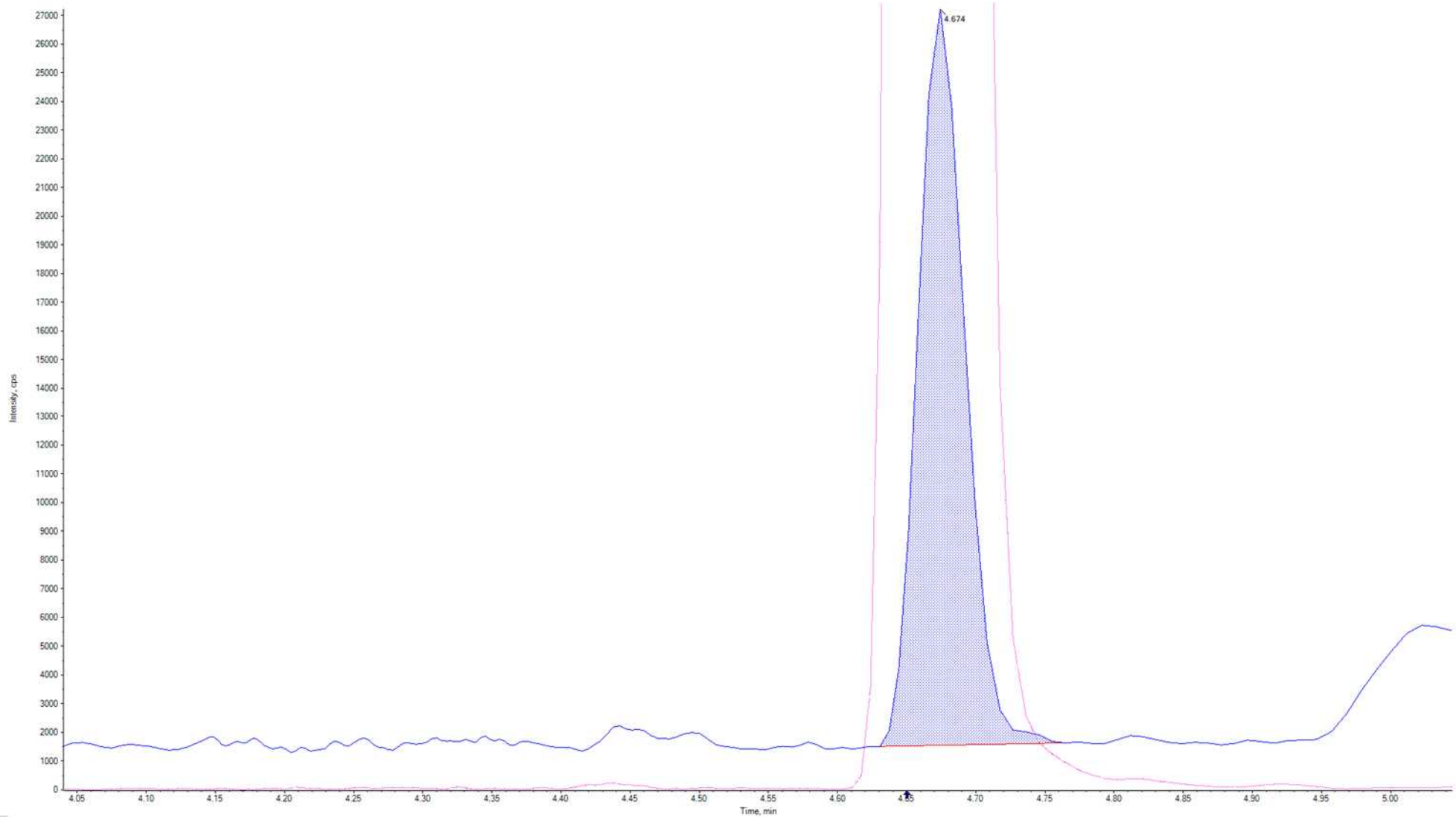
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBA
Sample: L2447503-05 S/N:224.4 Points Across peak:42



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeA
Sample: L2447503-05 S/N:172.4 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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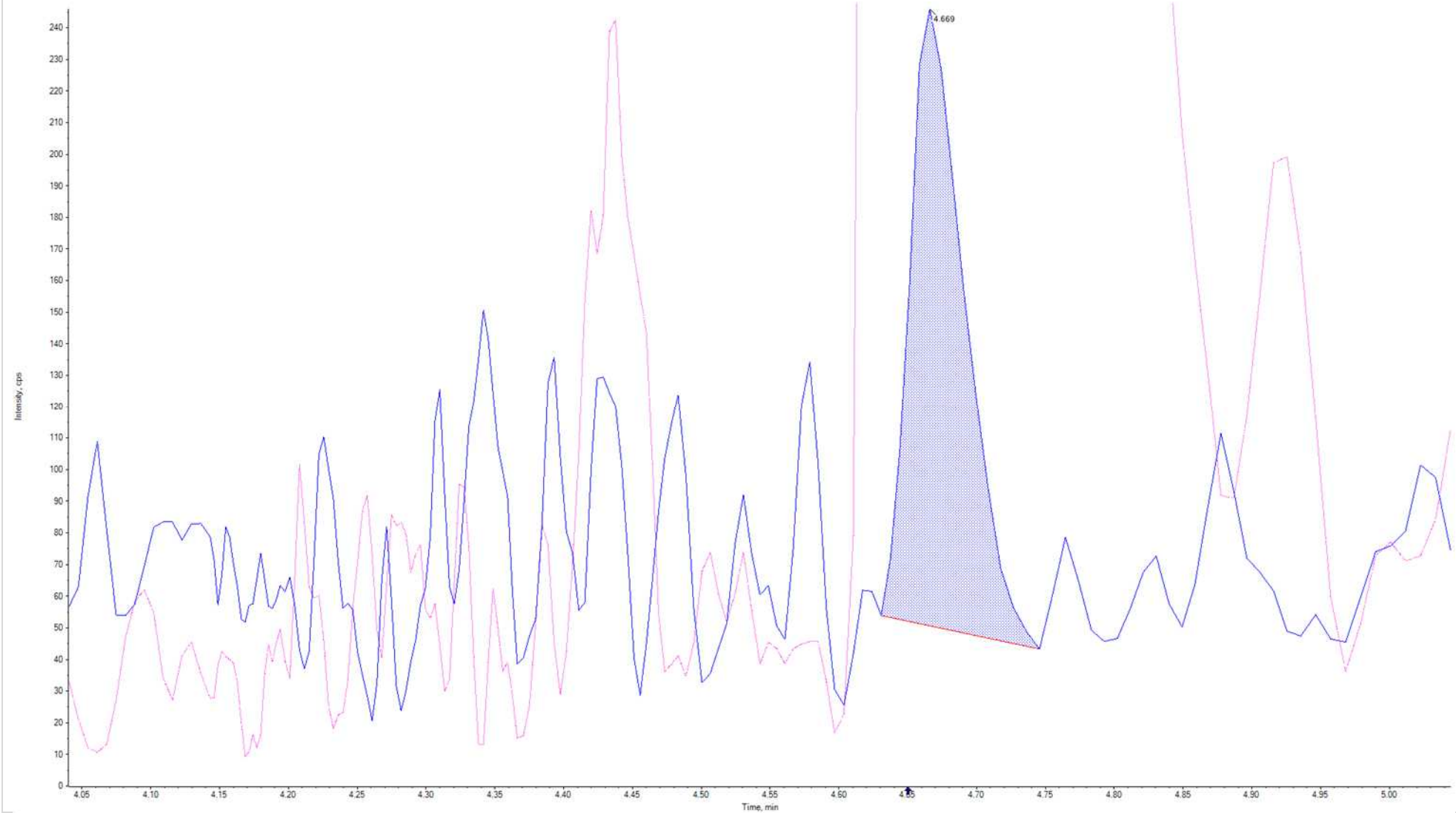
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeA_2
Sample: L2447503-05 S/N:22.4 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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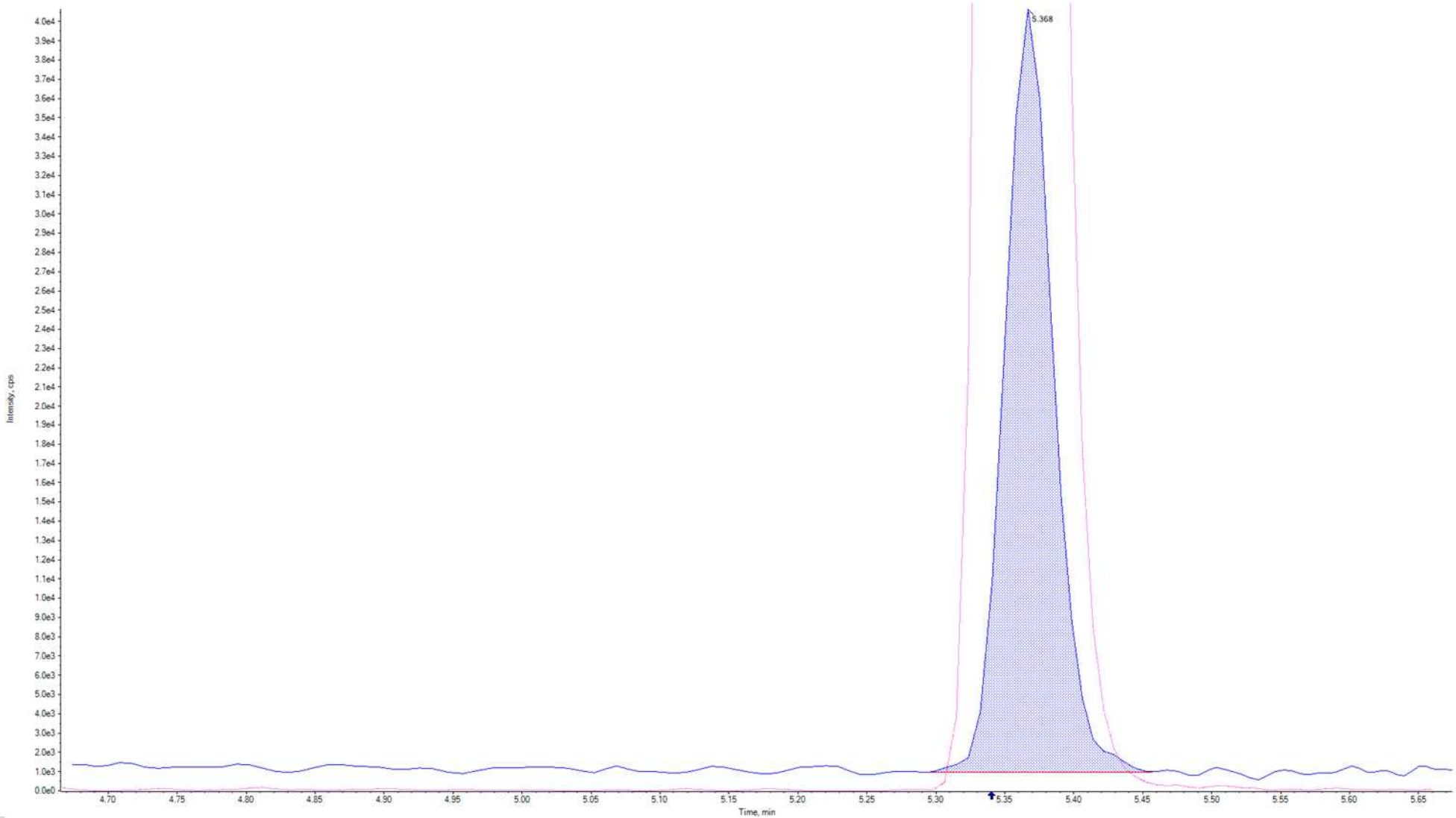
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxA
Sample: L2447503-05 S/N:322.5 Points Across peak:22



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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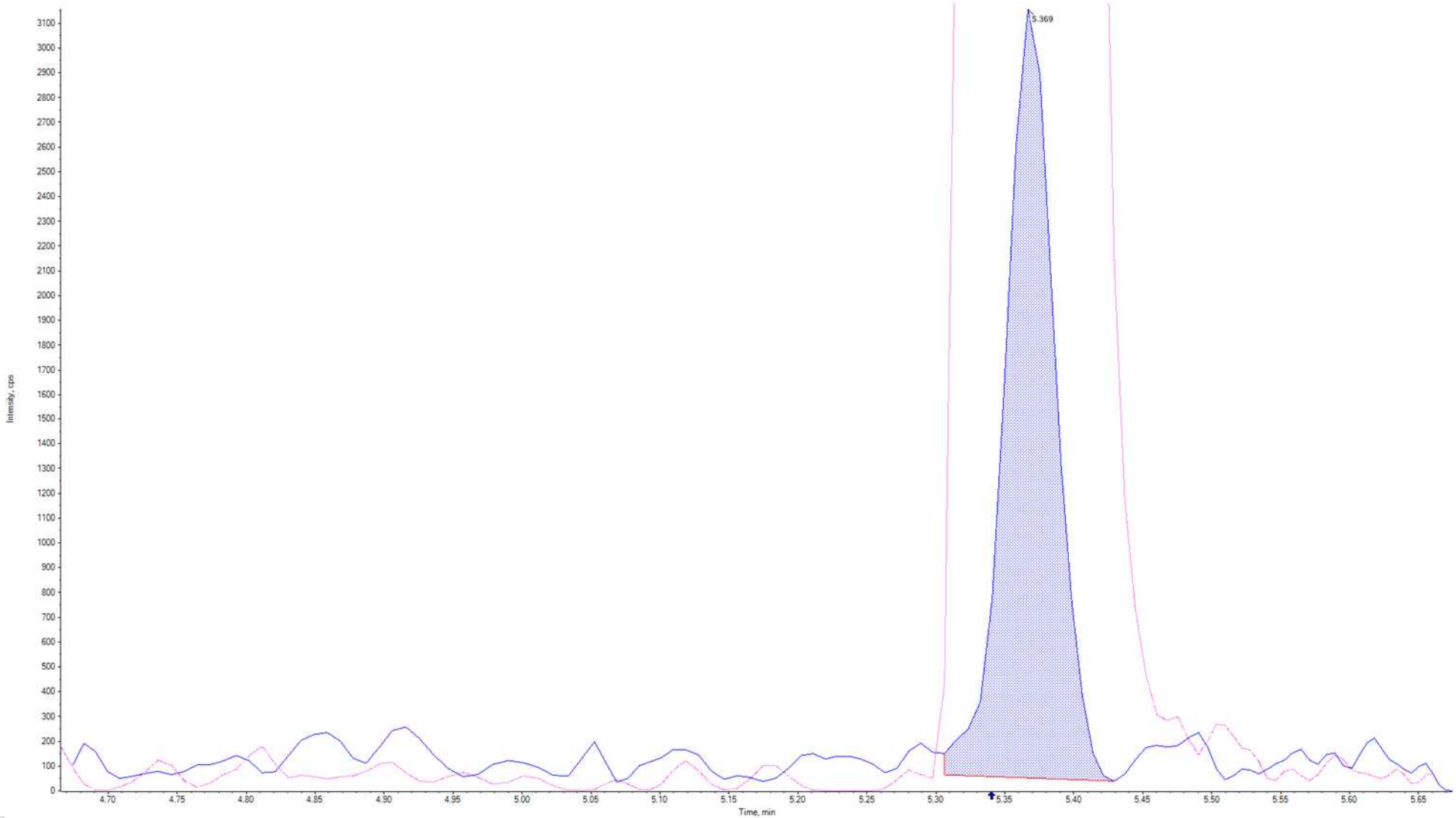
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxA_2
Sample: L2447503-05 S/N:511.8 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
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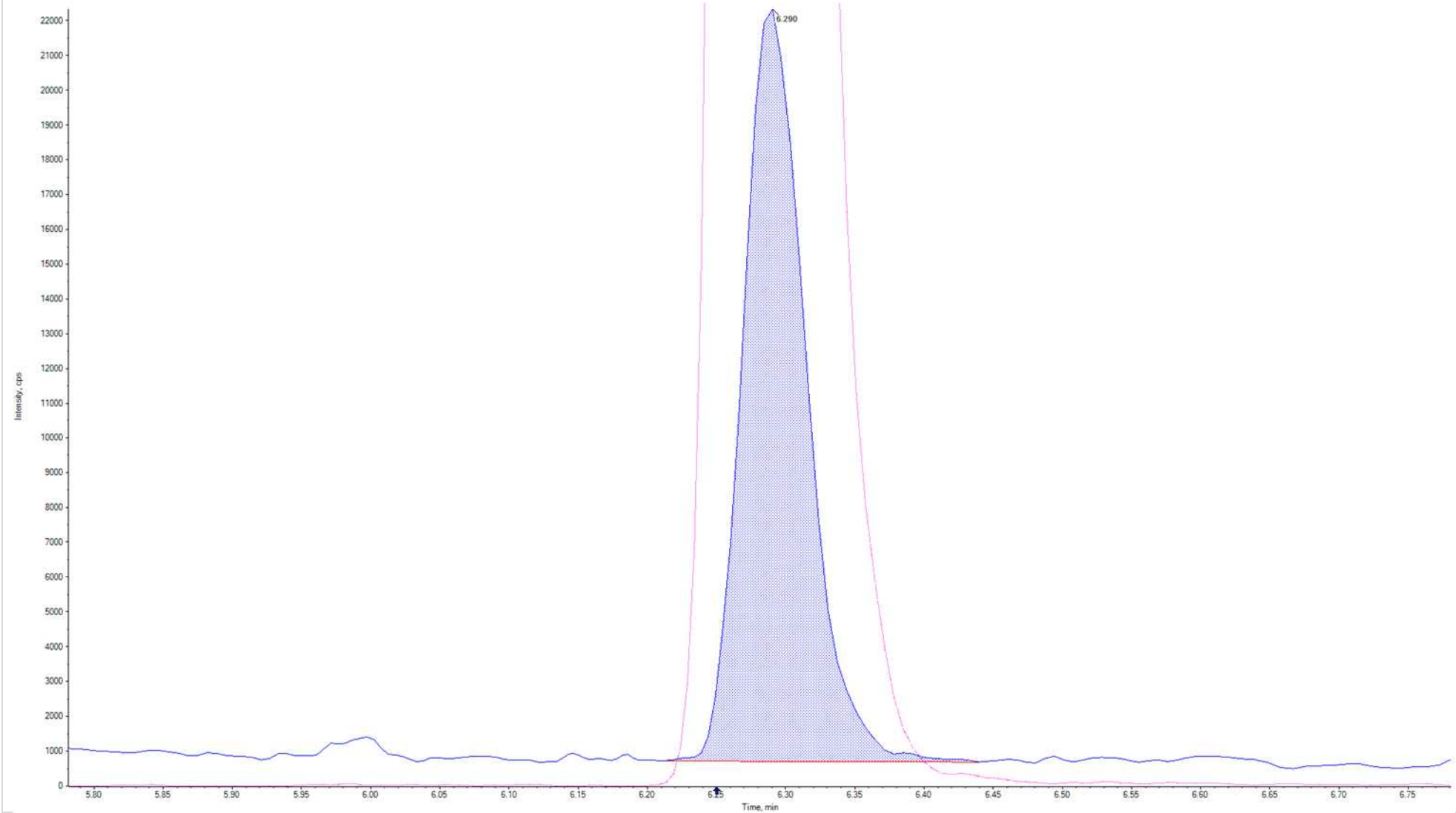
PFHpA
Sample: L2447503-05 S/N:380.2 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
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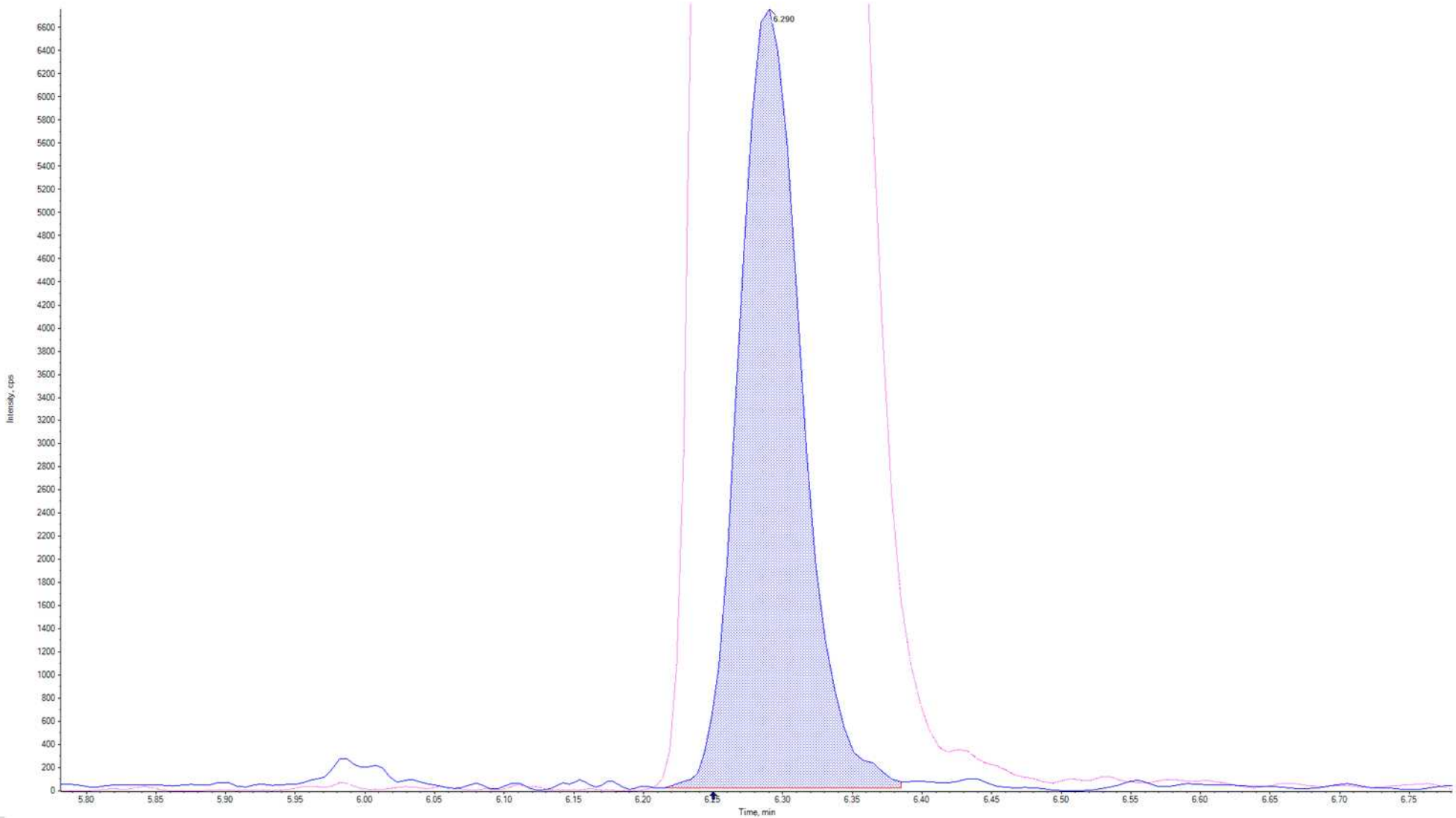
PFHpA_2
Sample: L2447503-05 S/N:2682.9 Points Across peak:29



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
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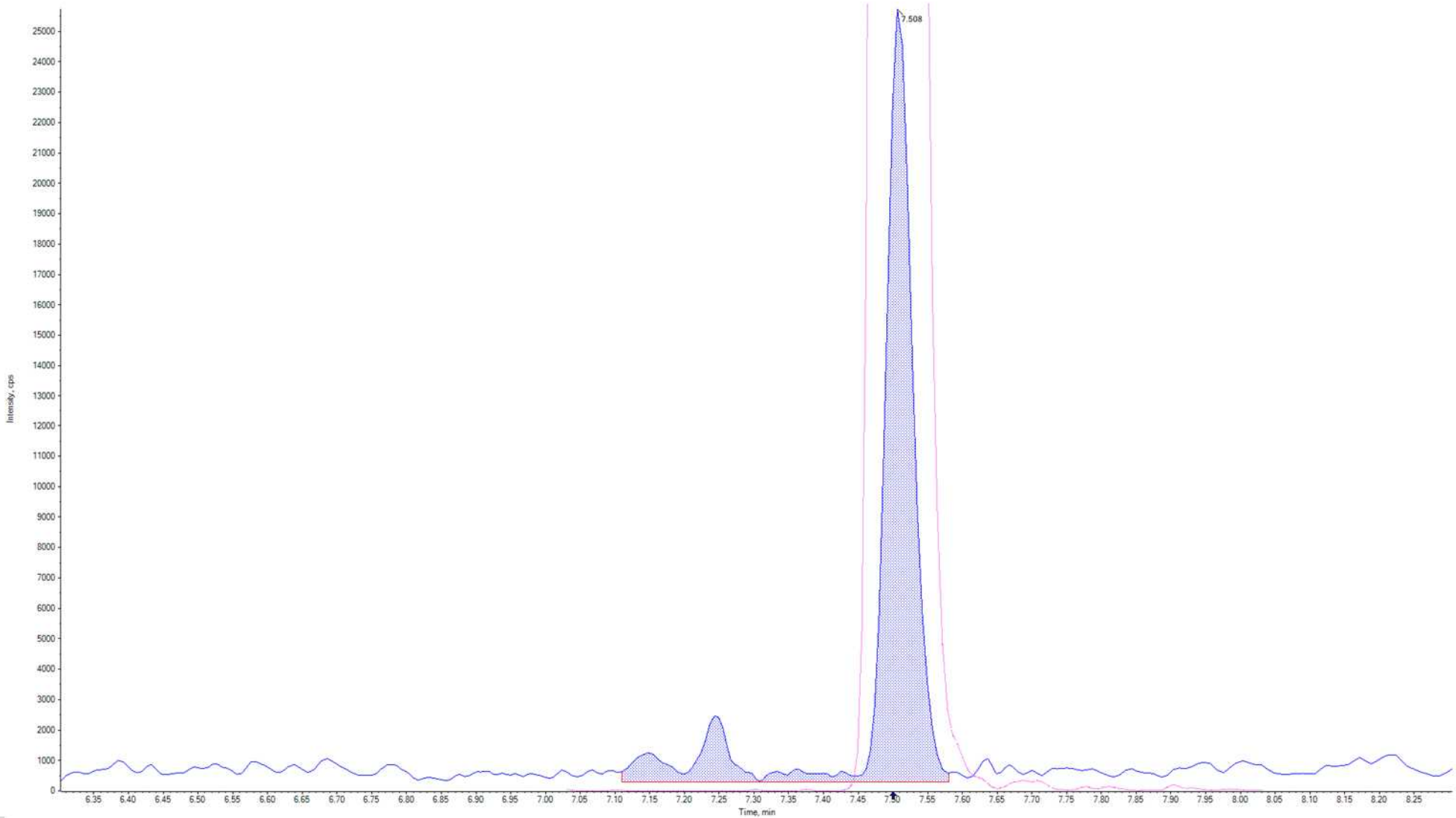
PFOA
Sample: L2447503-05 S/N:409.7 Points Across peak:78



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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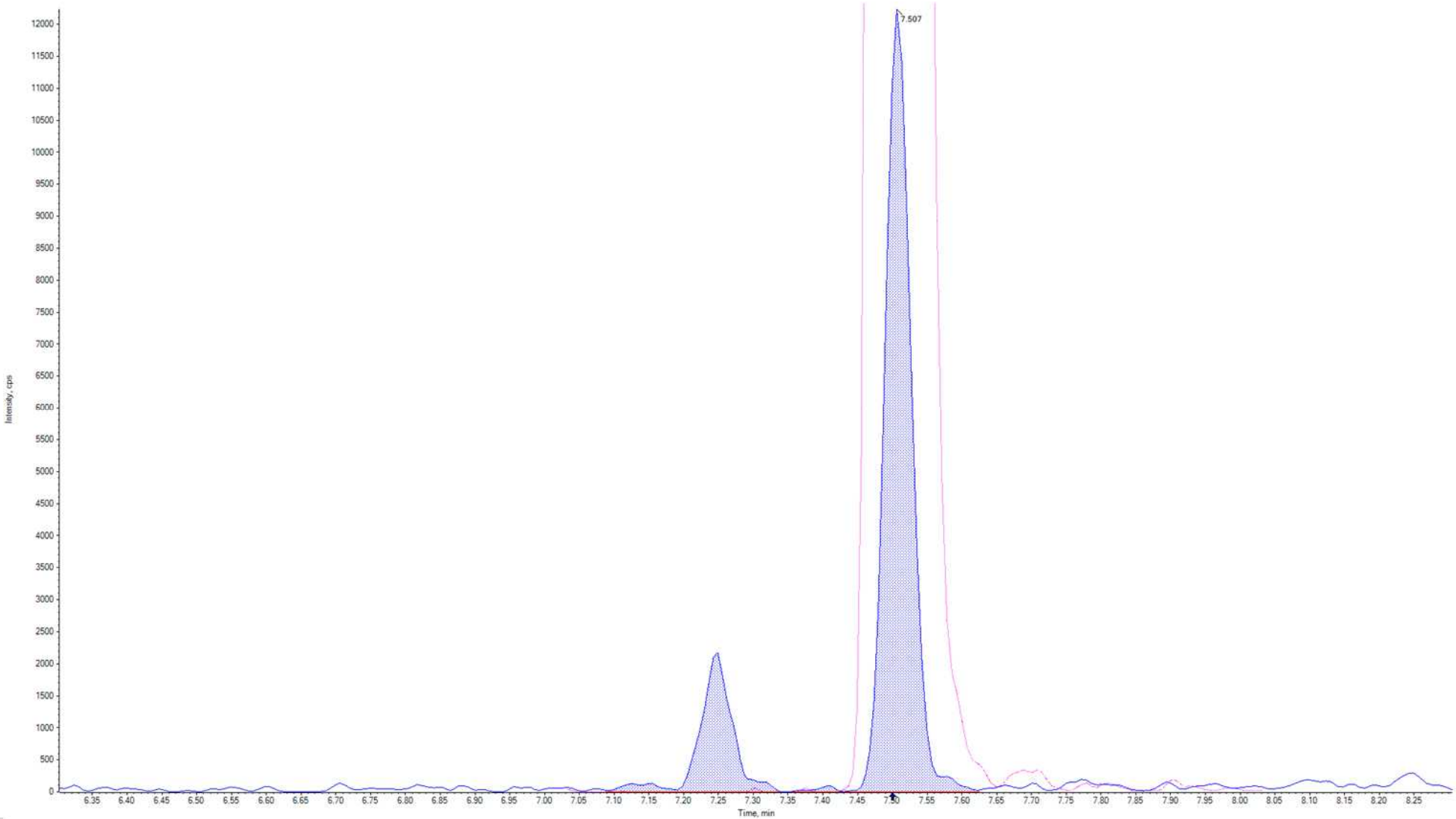
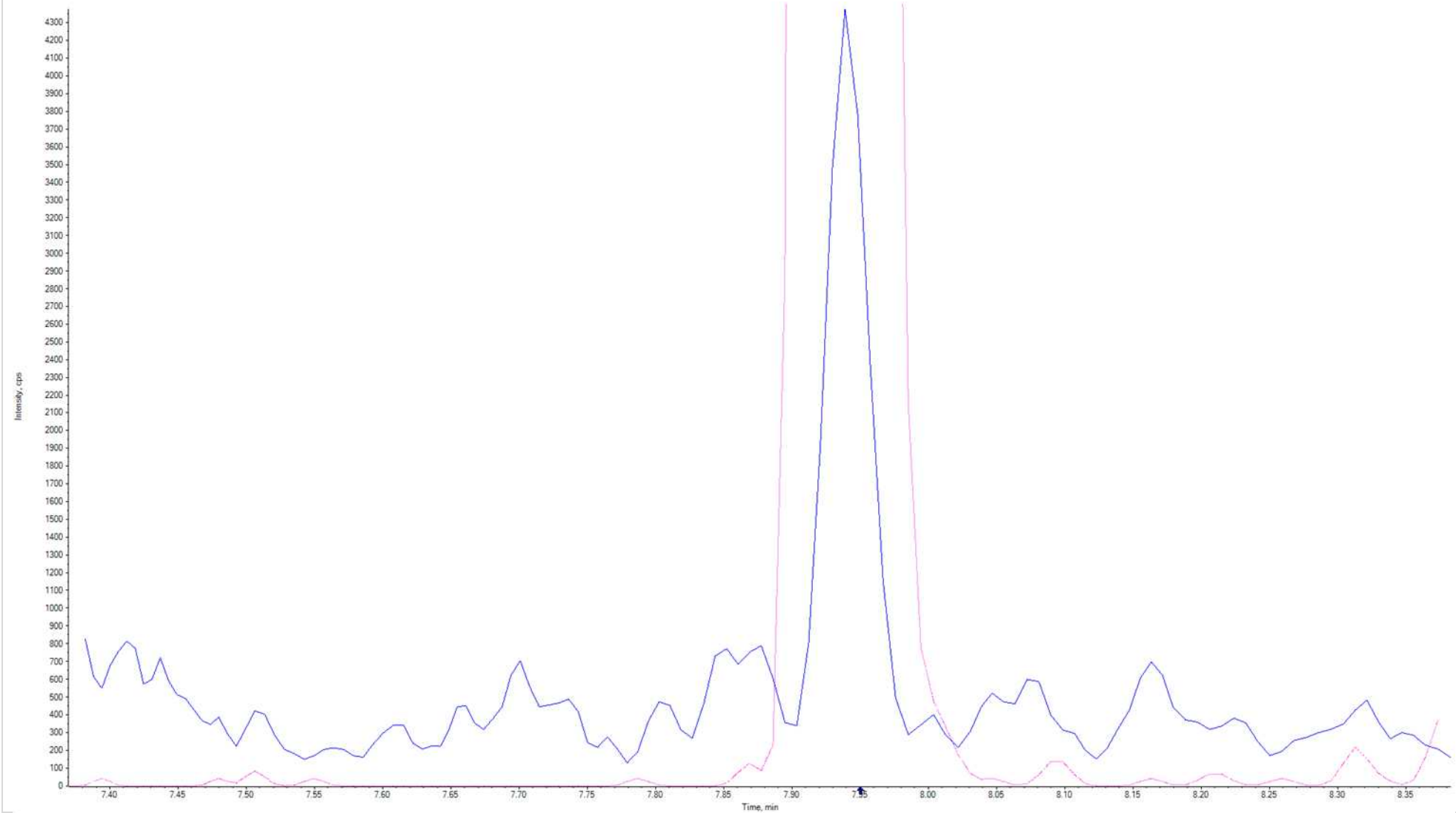
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOA_2
Sample: L2447503-05 S/N:28588.7 Points Across peak:87



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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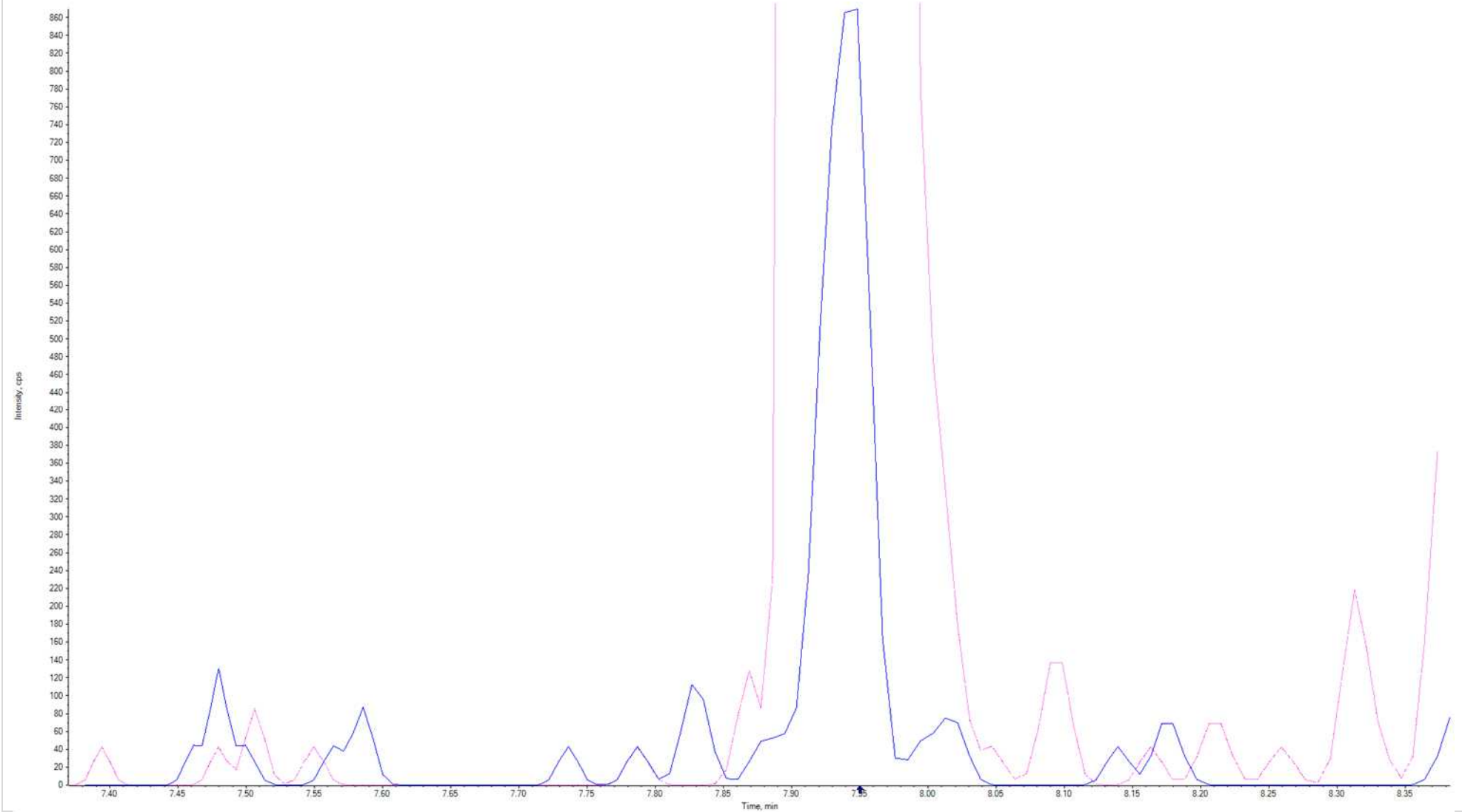
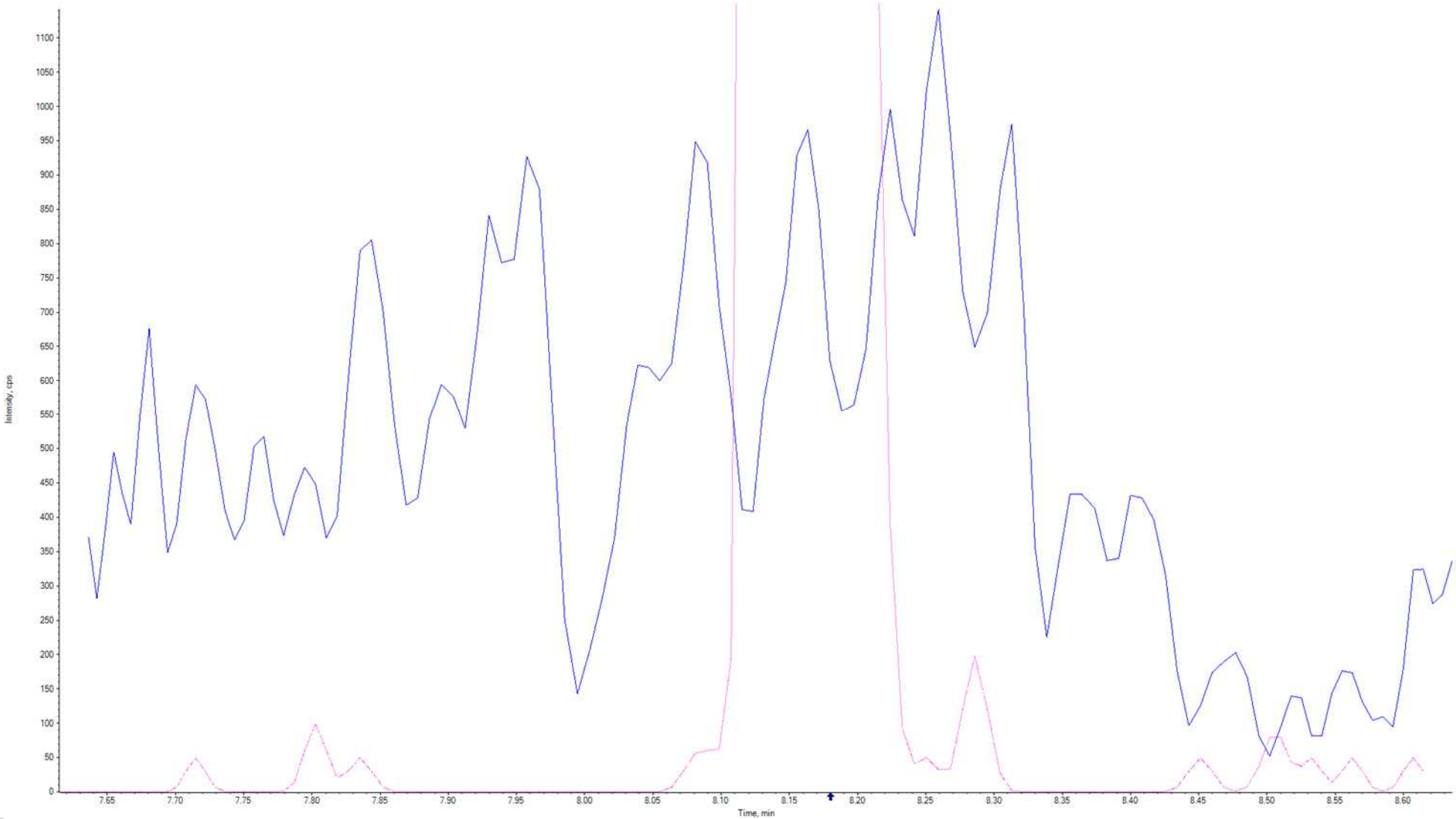
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



PFDA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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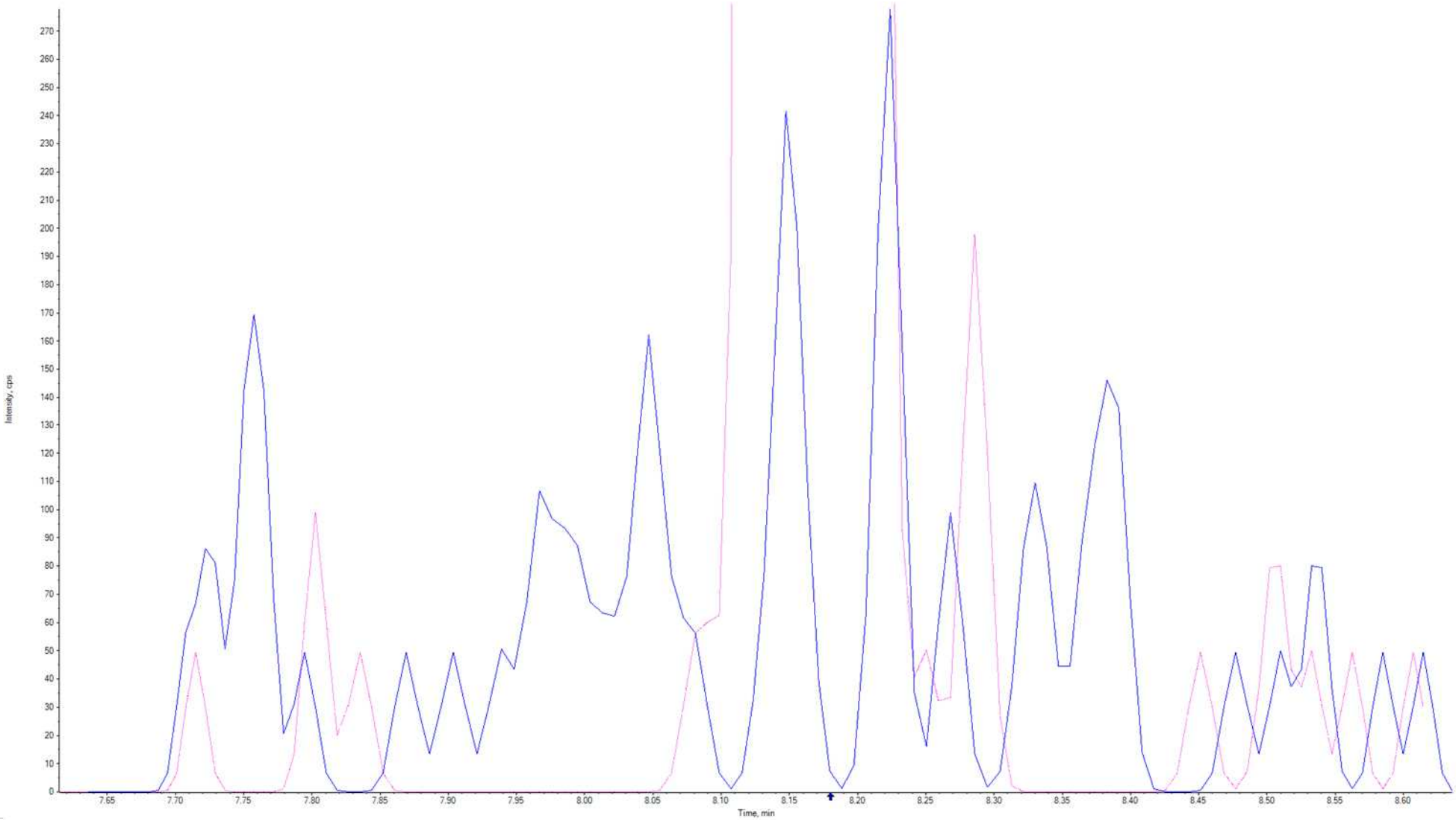
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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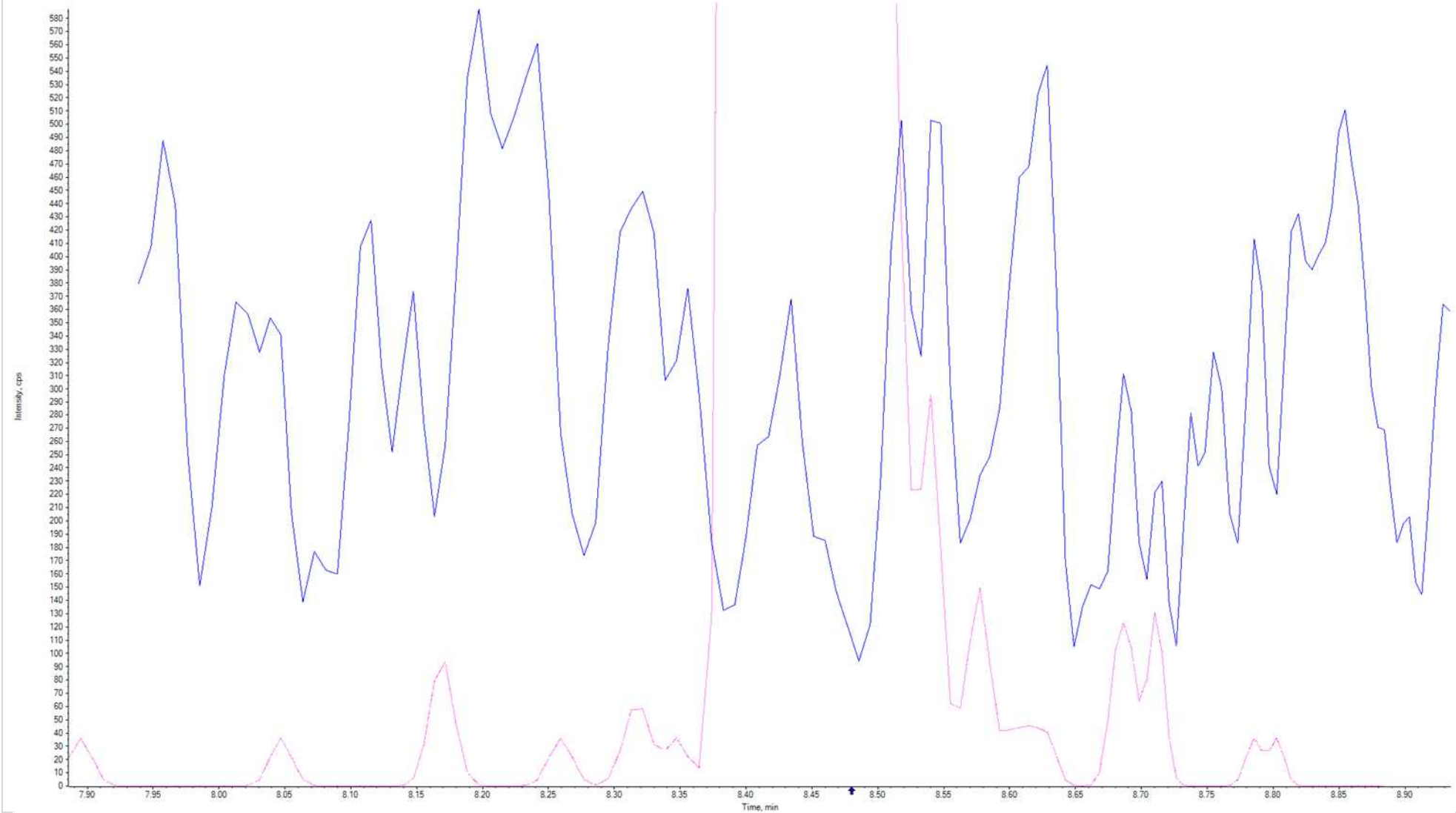
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFUnA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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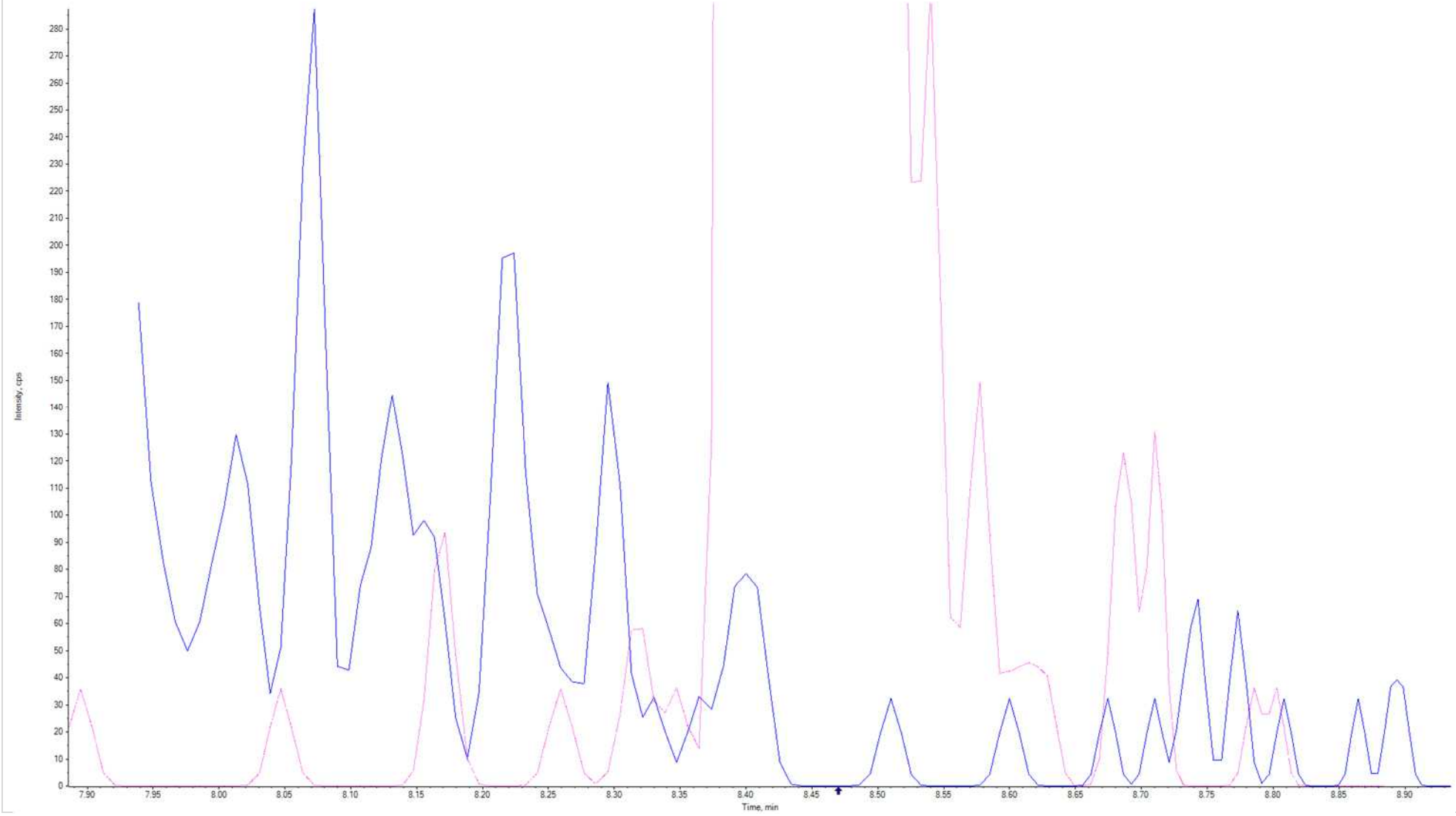
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFUnA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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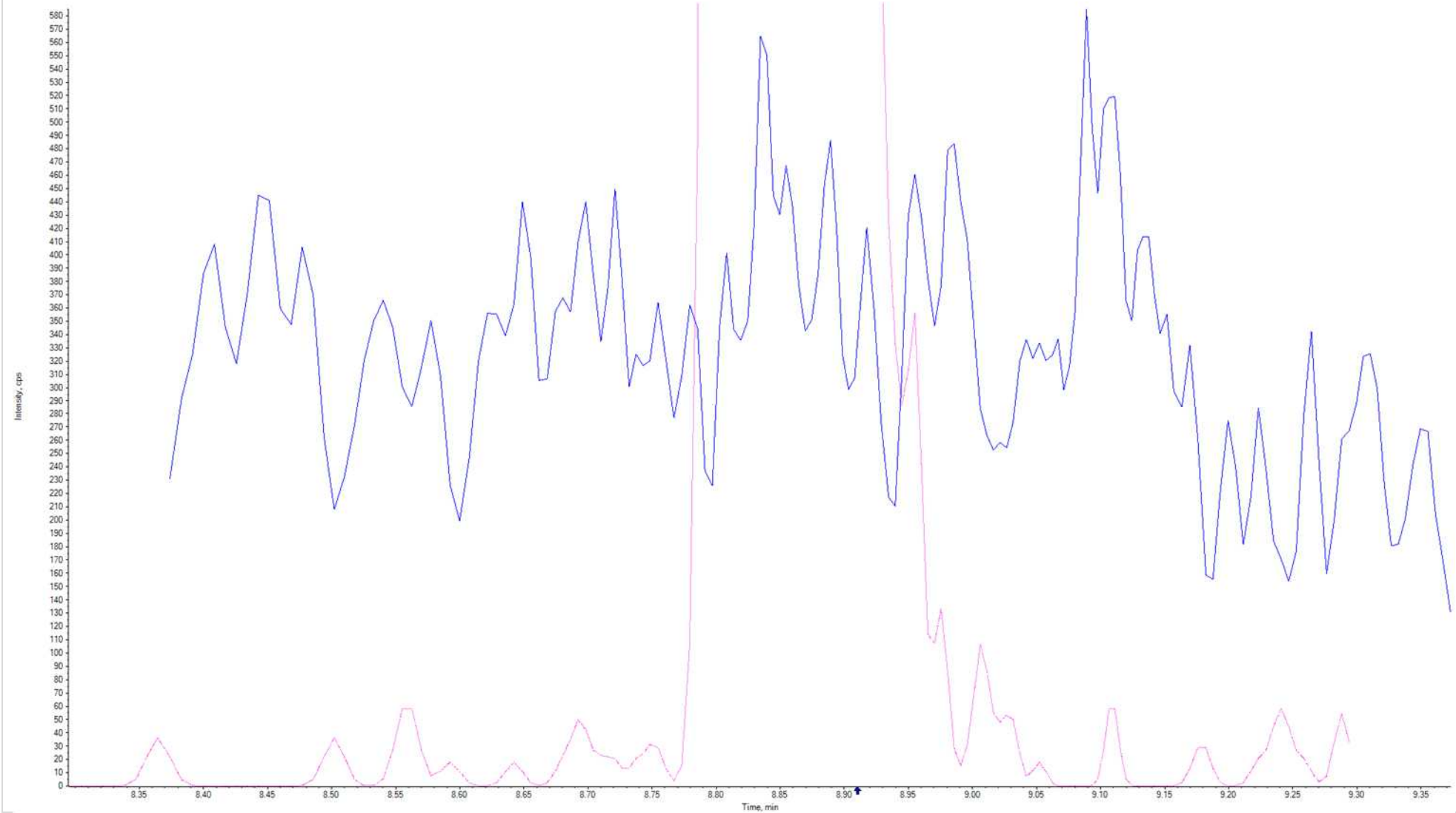
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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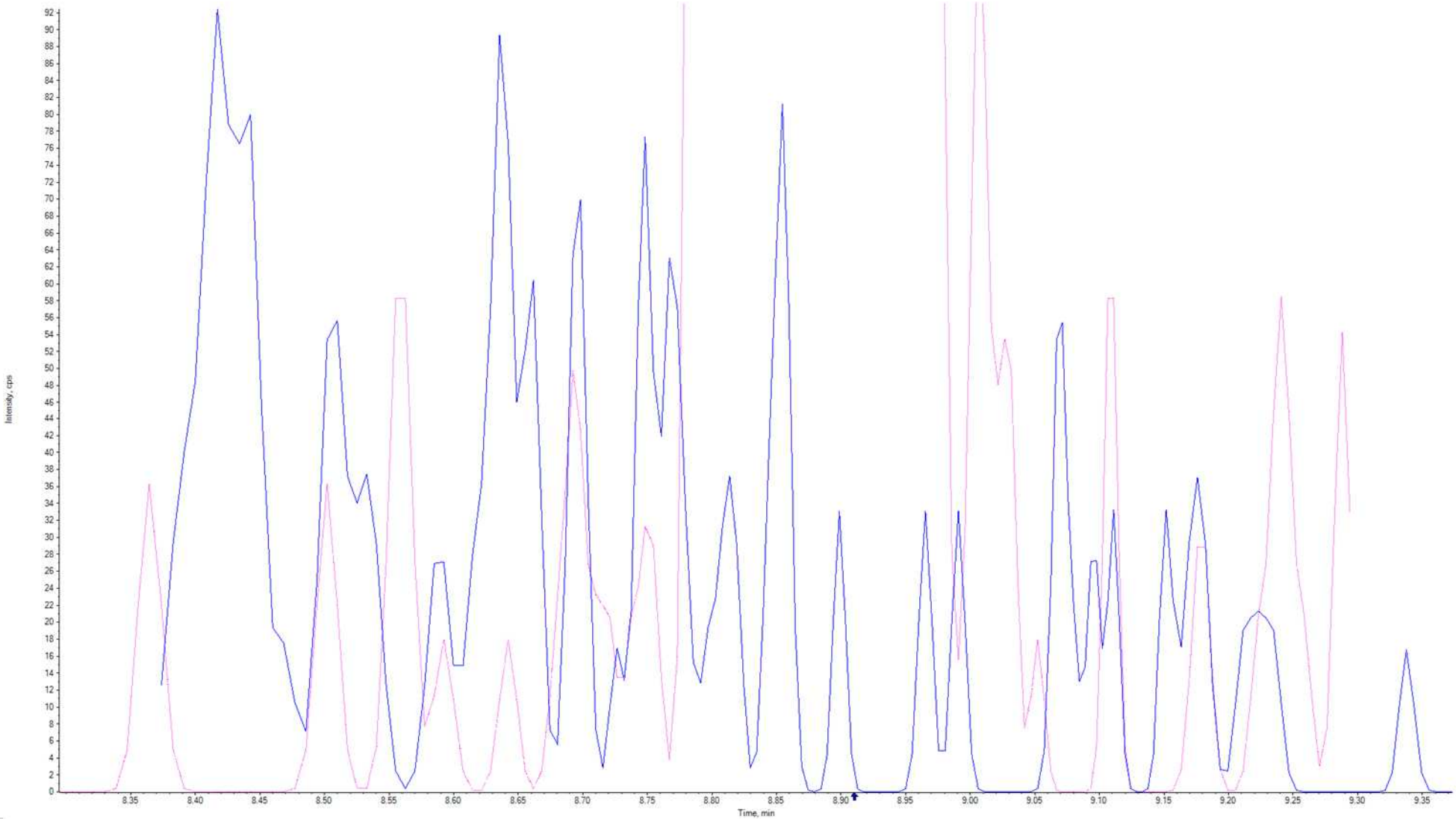
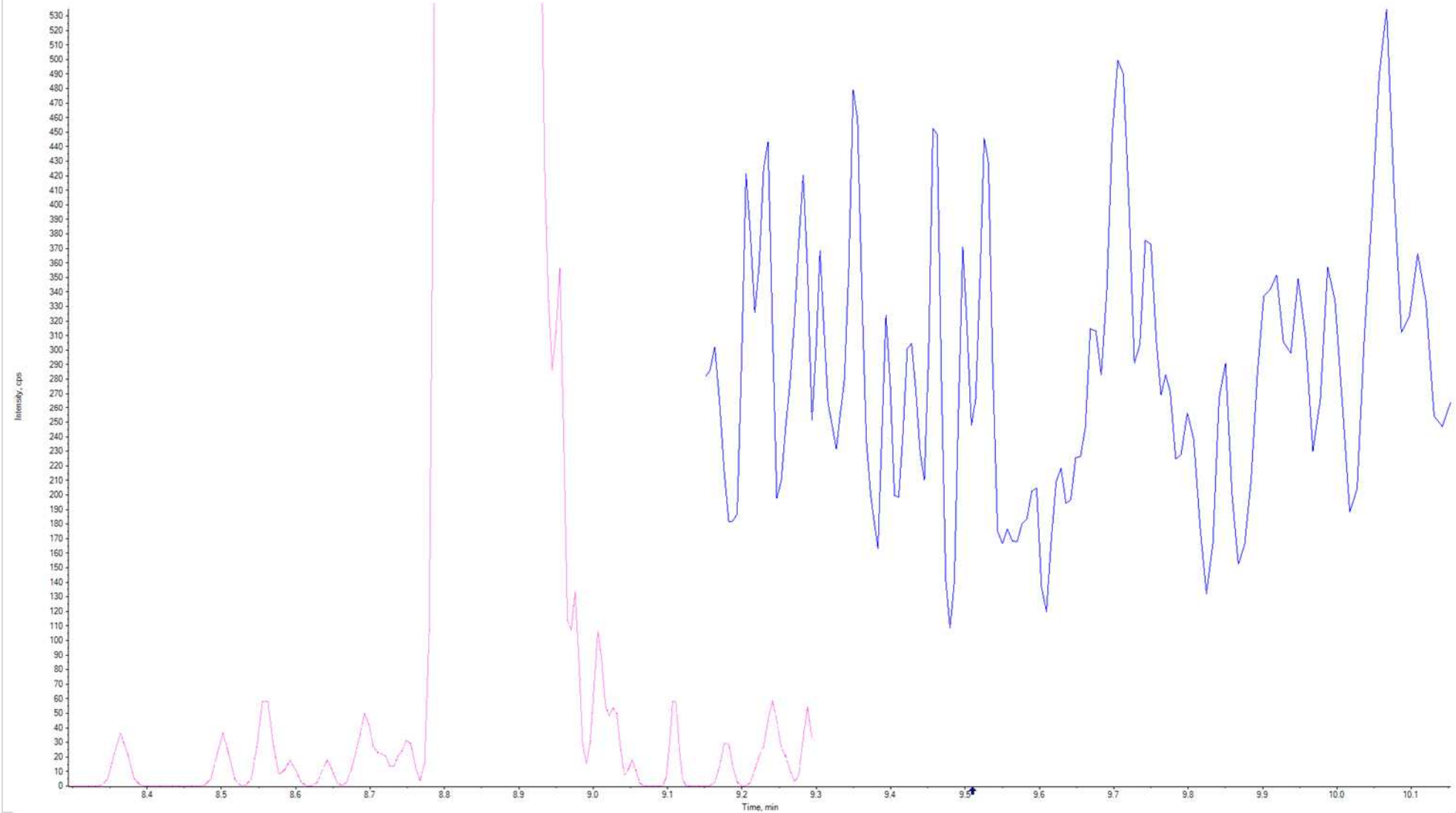
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



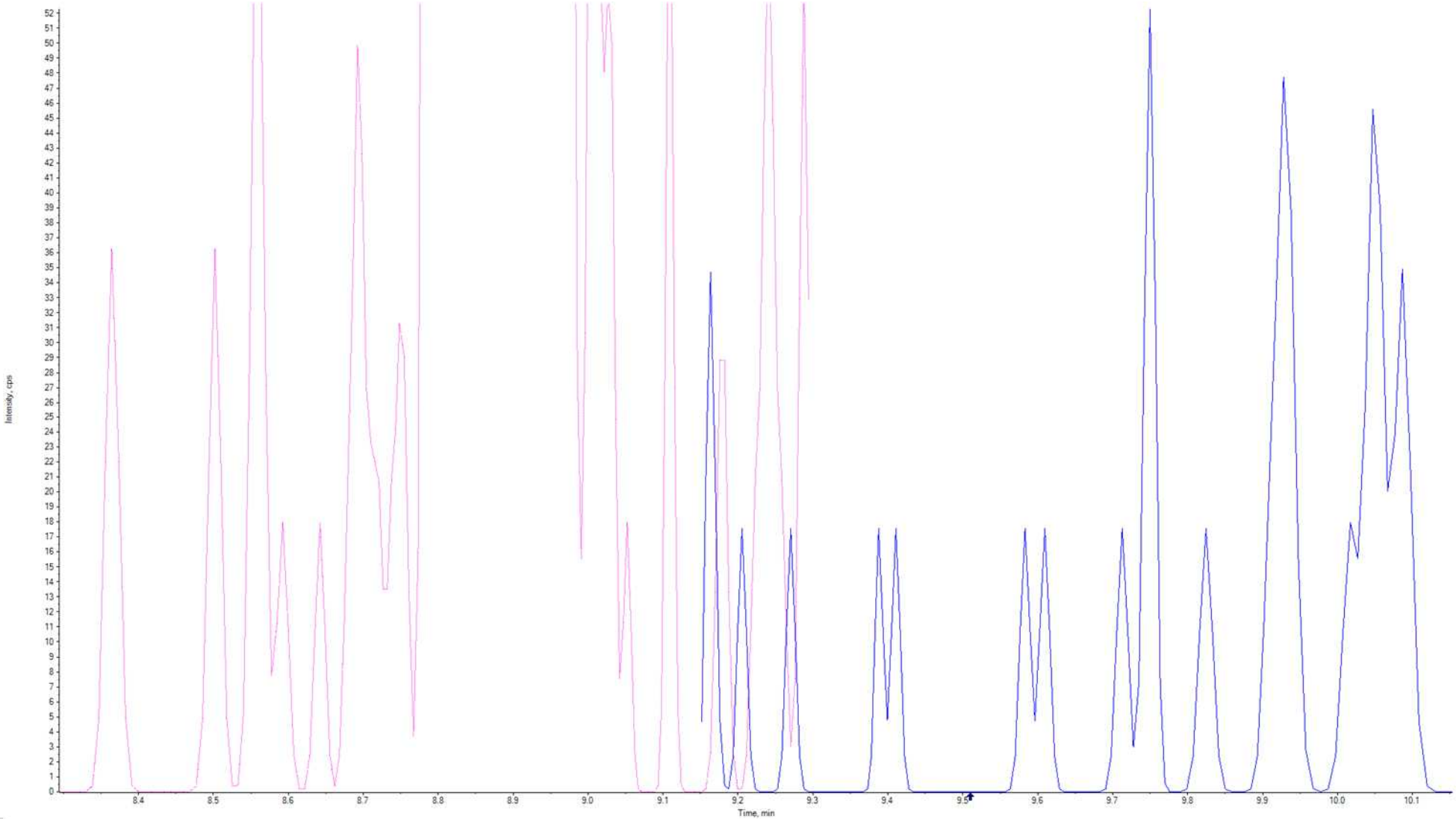
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTrDA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTrDA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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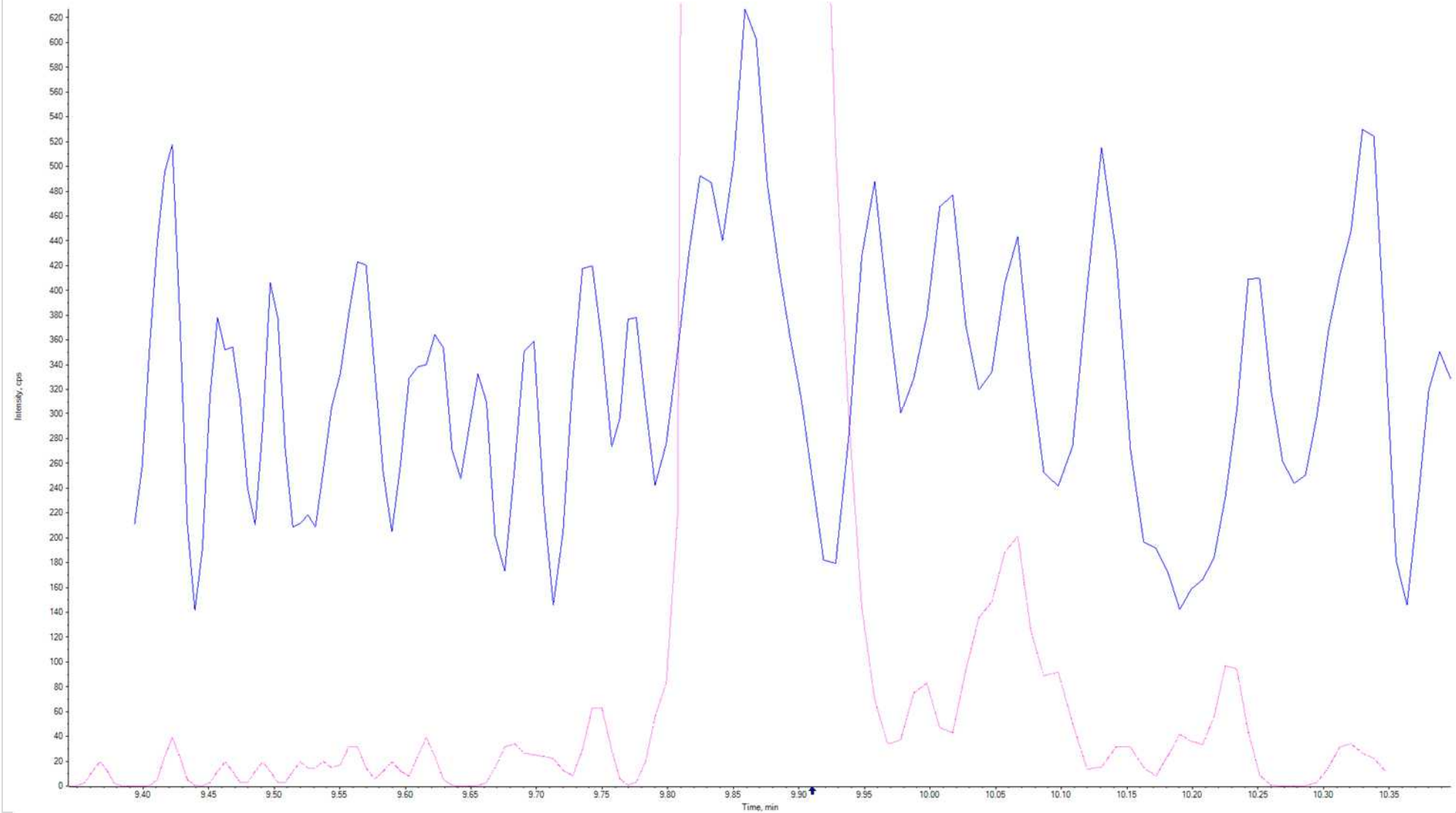
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTeDA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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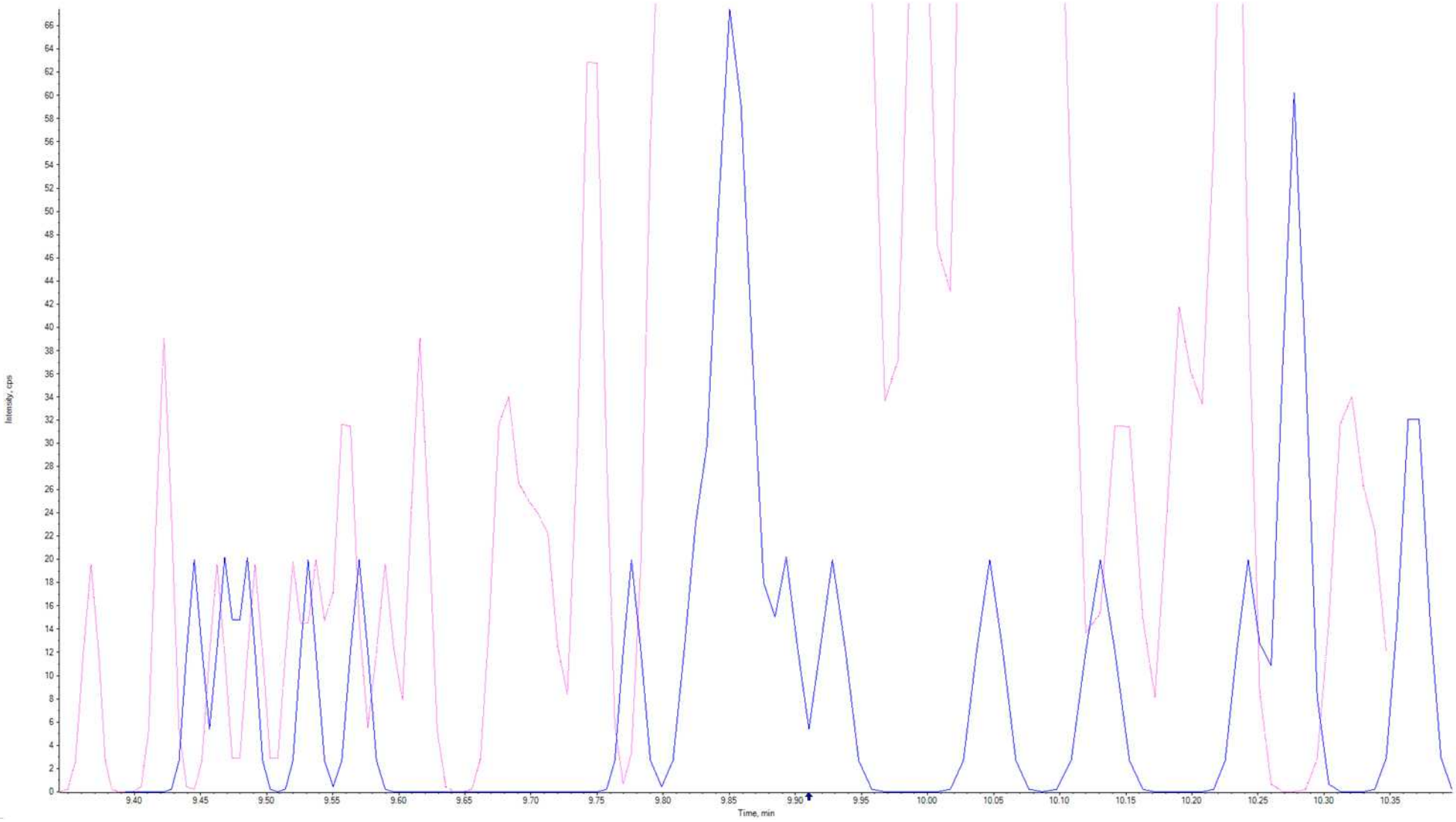
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTeDA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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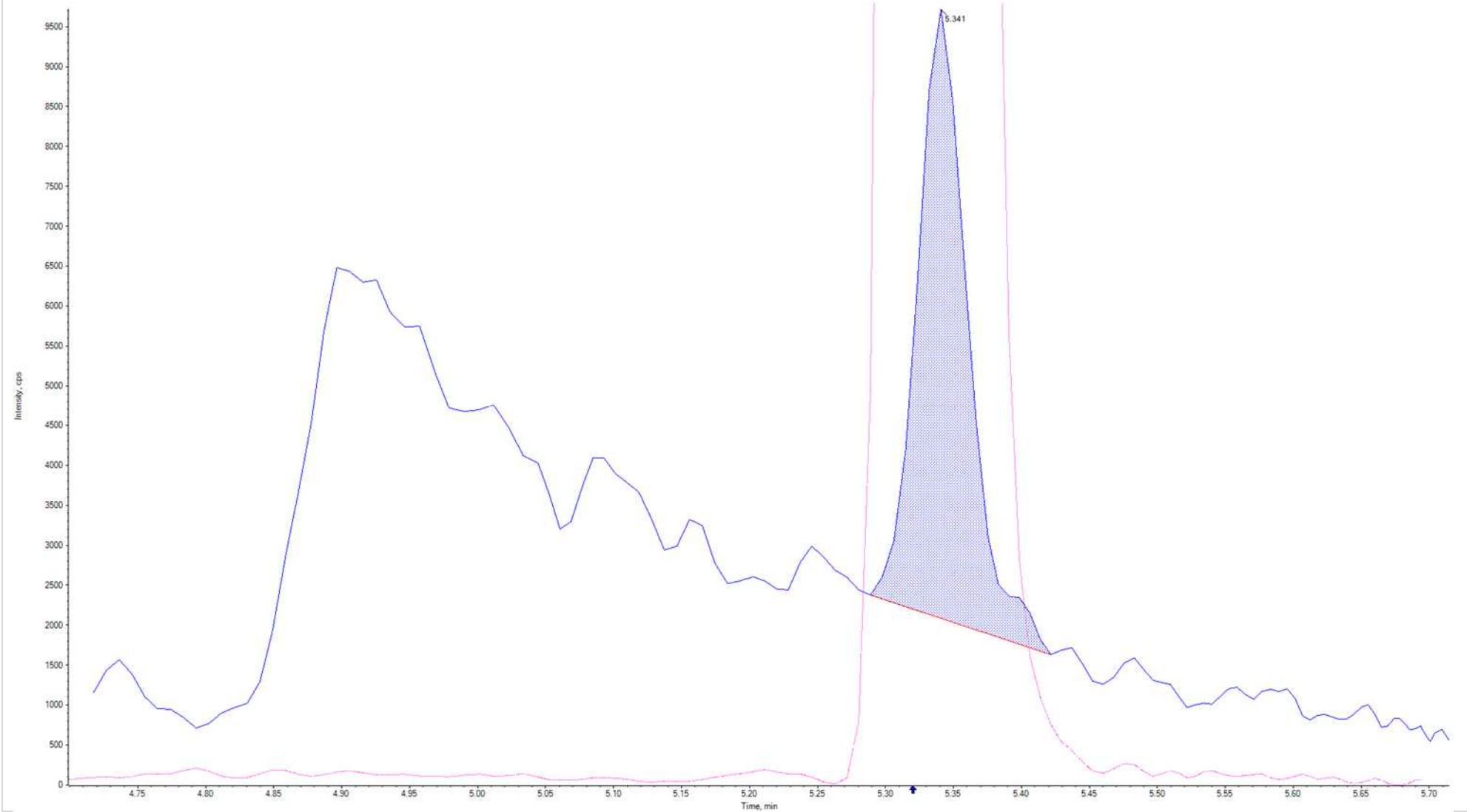
Generated: 9/17/2024 6:15:27 AM

PFBS
Sample: L2447503-05 S/N:27.2 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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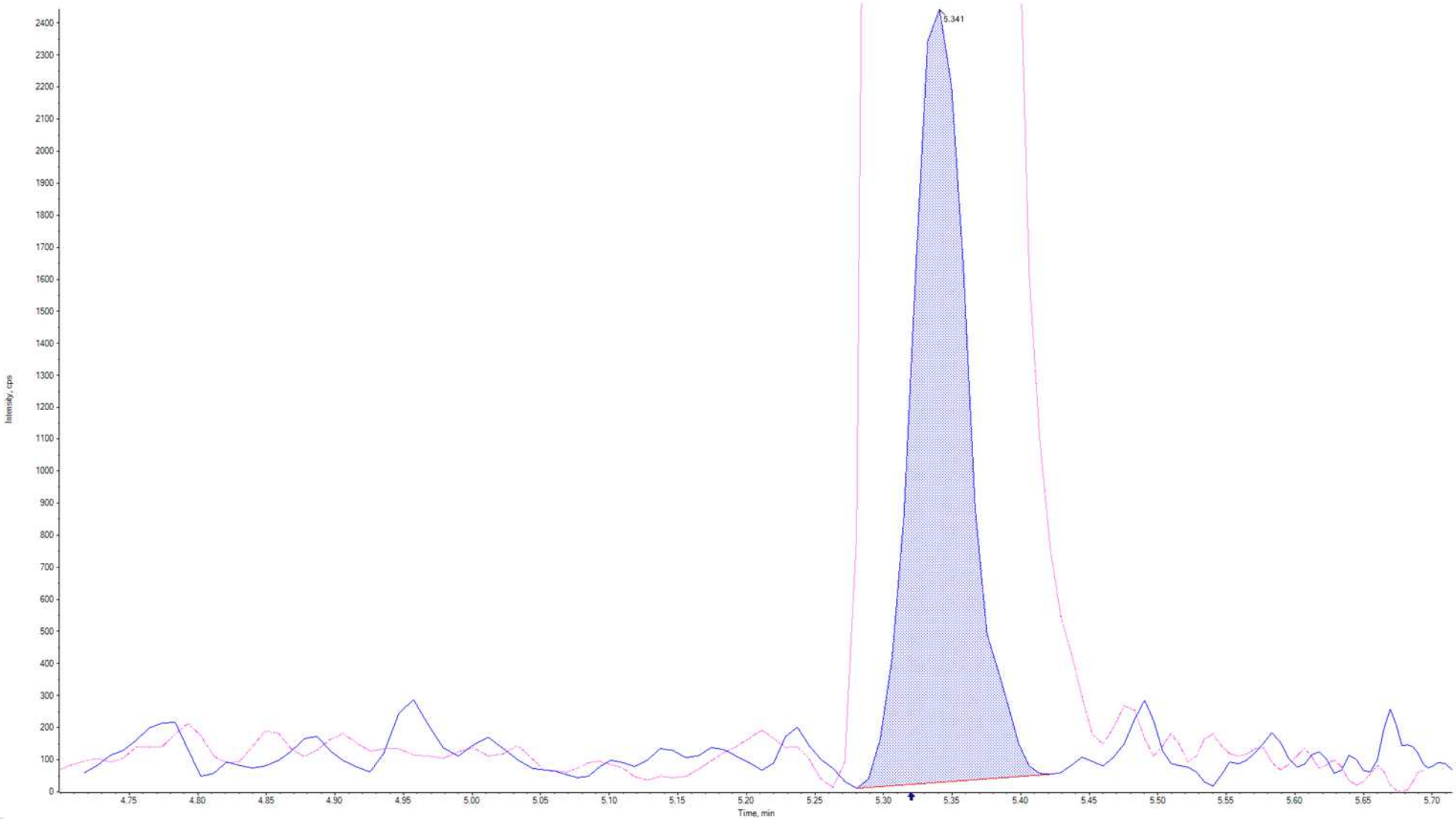
Generated: 9/17/2024 6:15:27 AM

PFBS_2
Sample: L2447503-05 S/N:192.4 Points Across peak:18



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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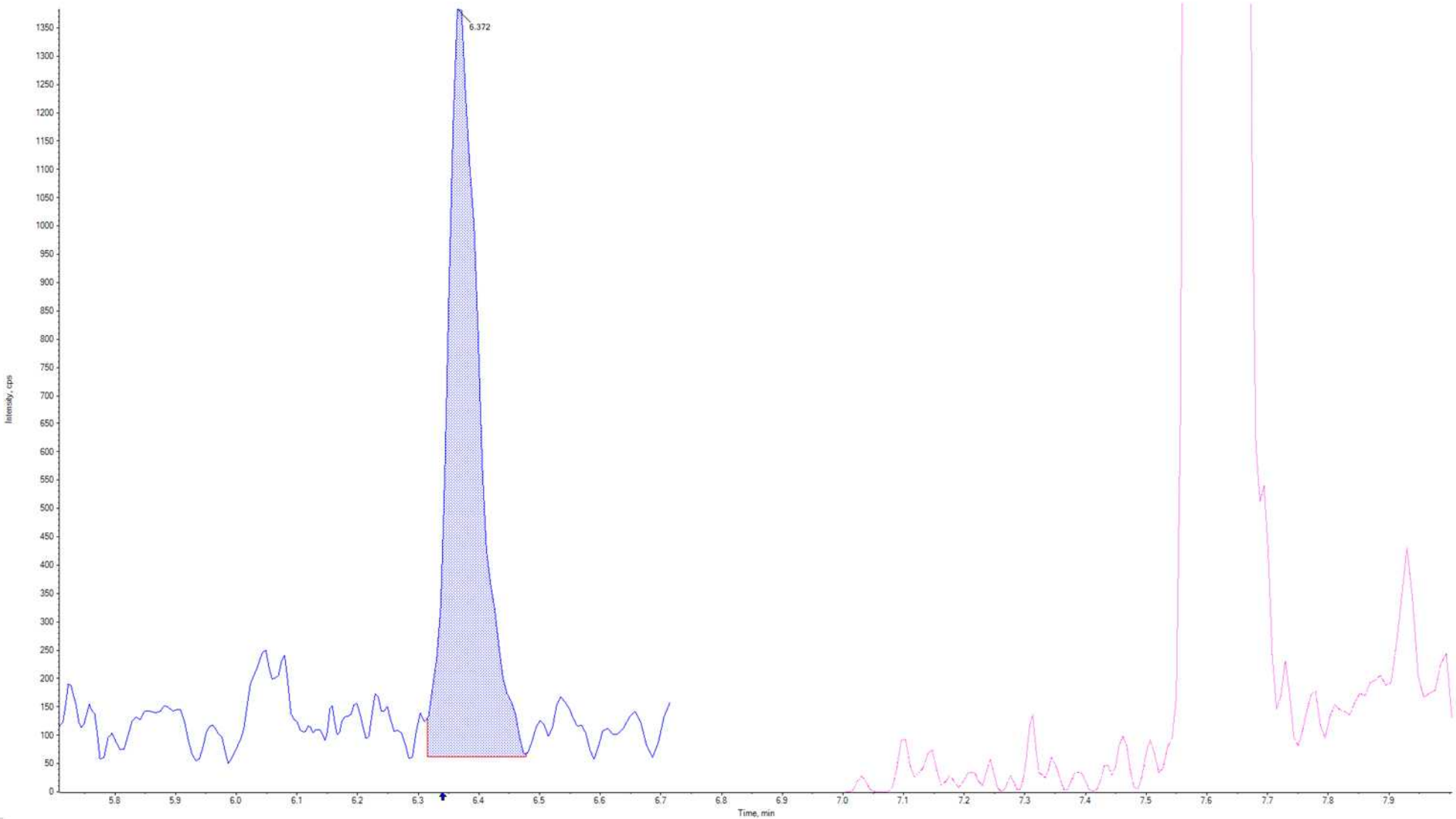
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeS
Sample: L2447503-05 S/N:117.4 Points Across peak:26



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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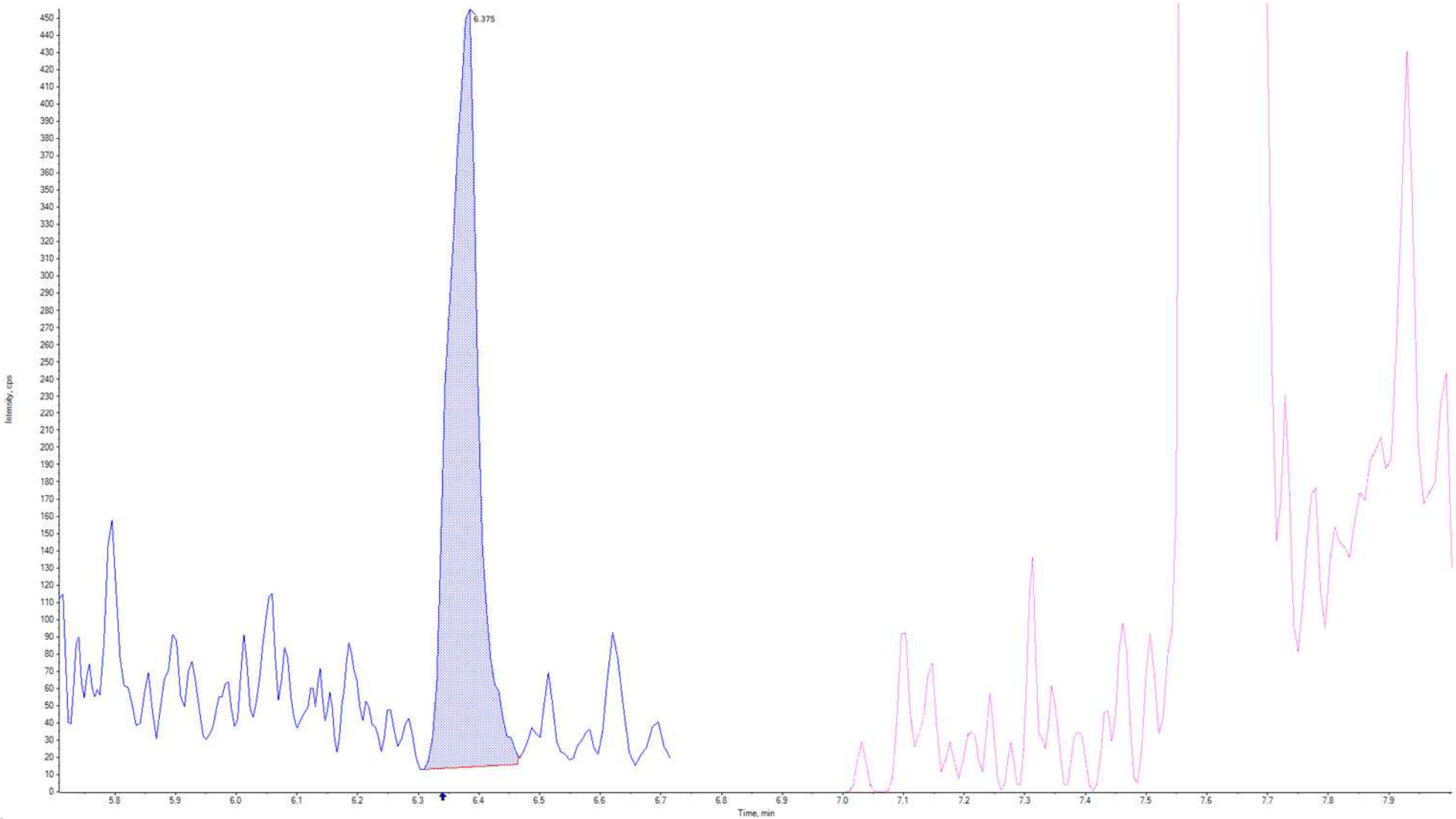
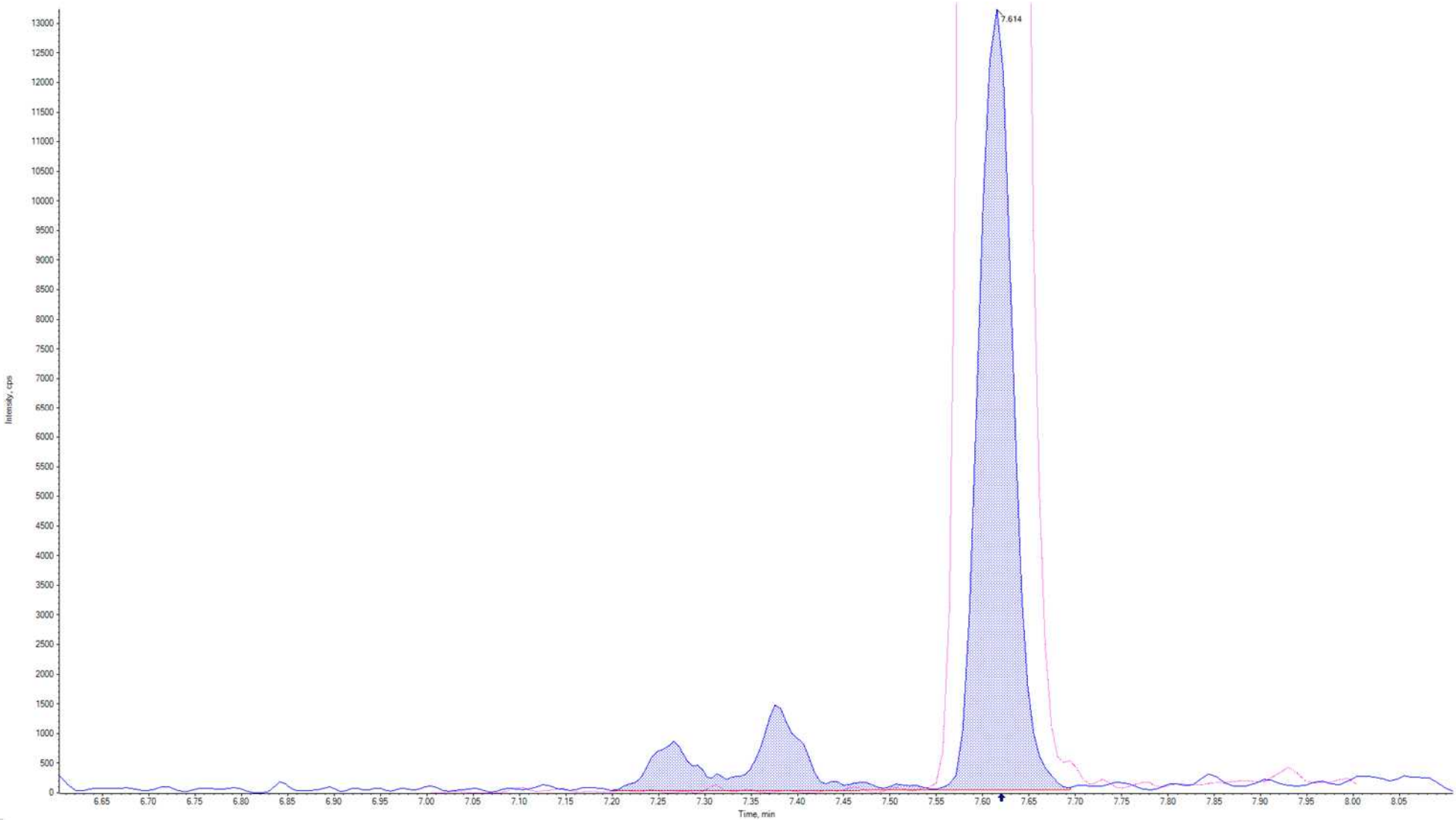
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeS_2
Sample: L2447503-05 S/N:84.5 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxS
Sample: L2447503-05 S/N:1444.4 Points Across peak:82



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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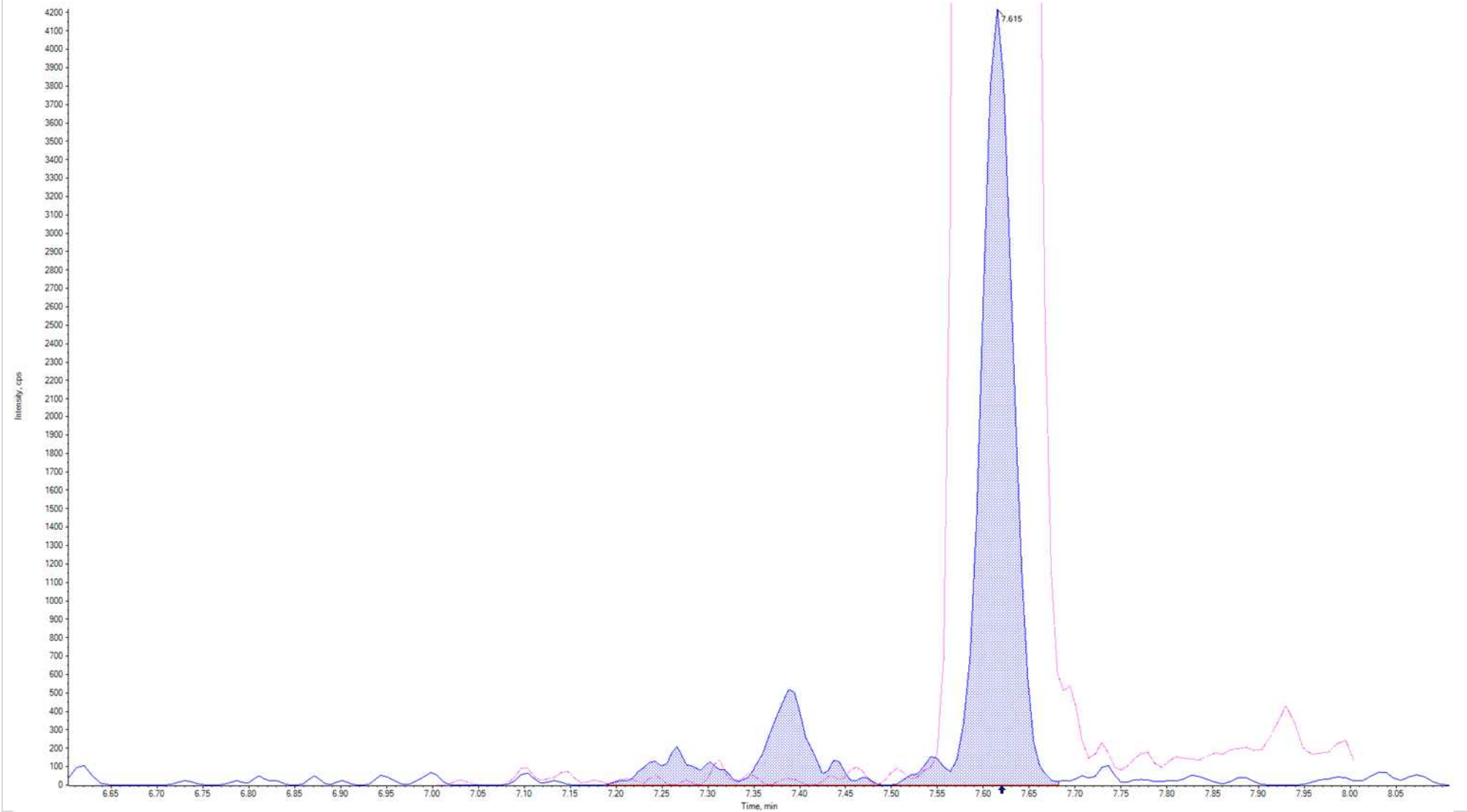
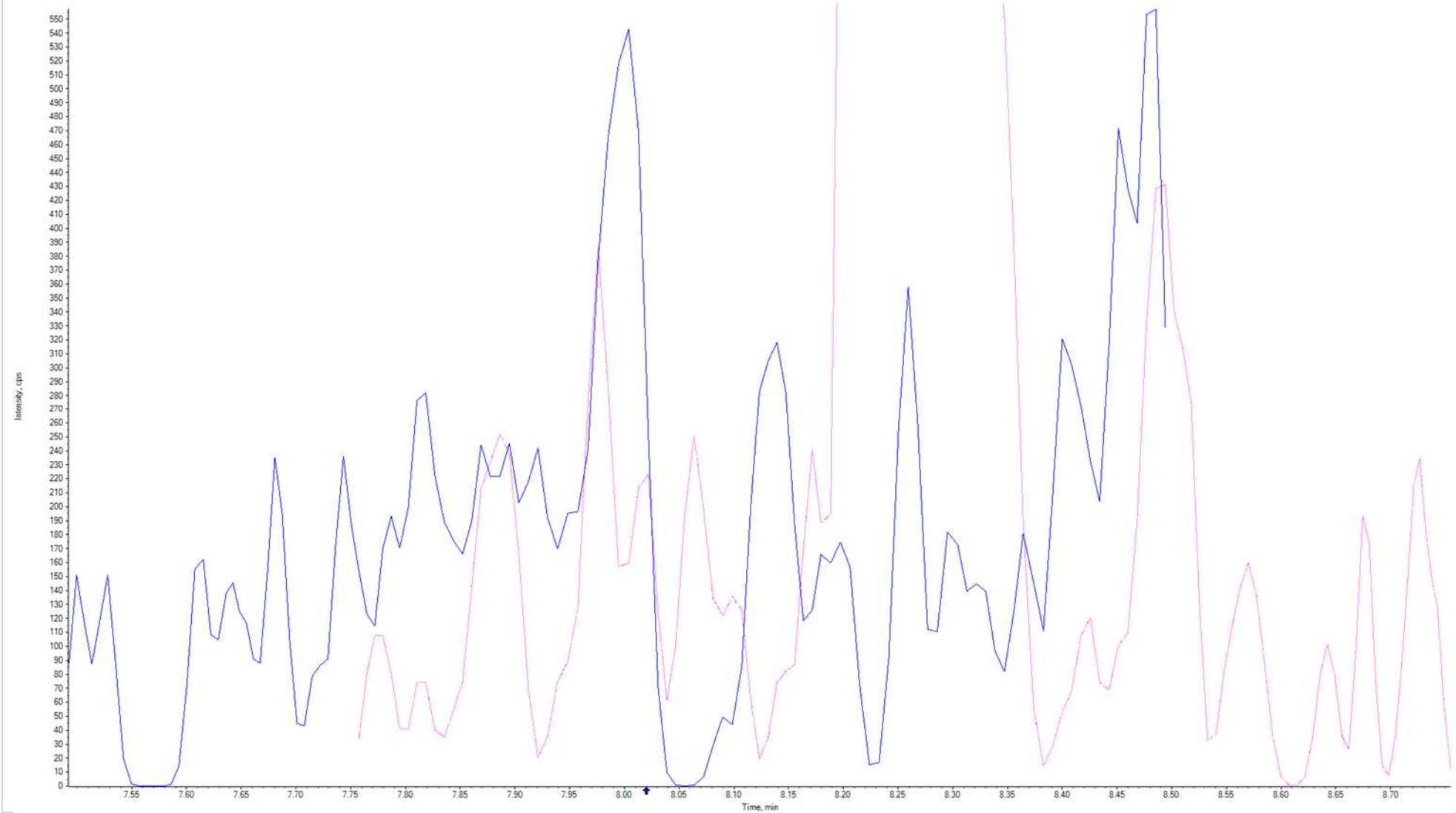
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxS_2
Sample: L2447503-05 S/N:1254544.2 Points Across peak:82



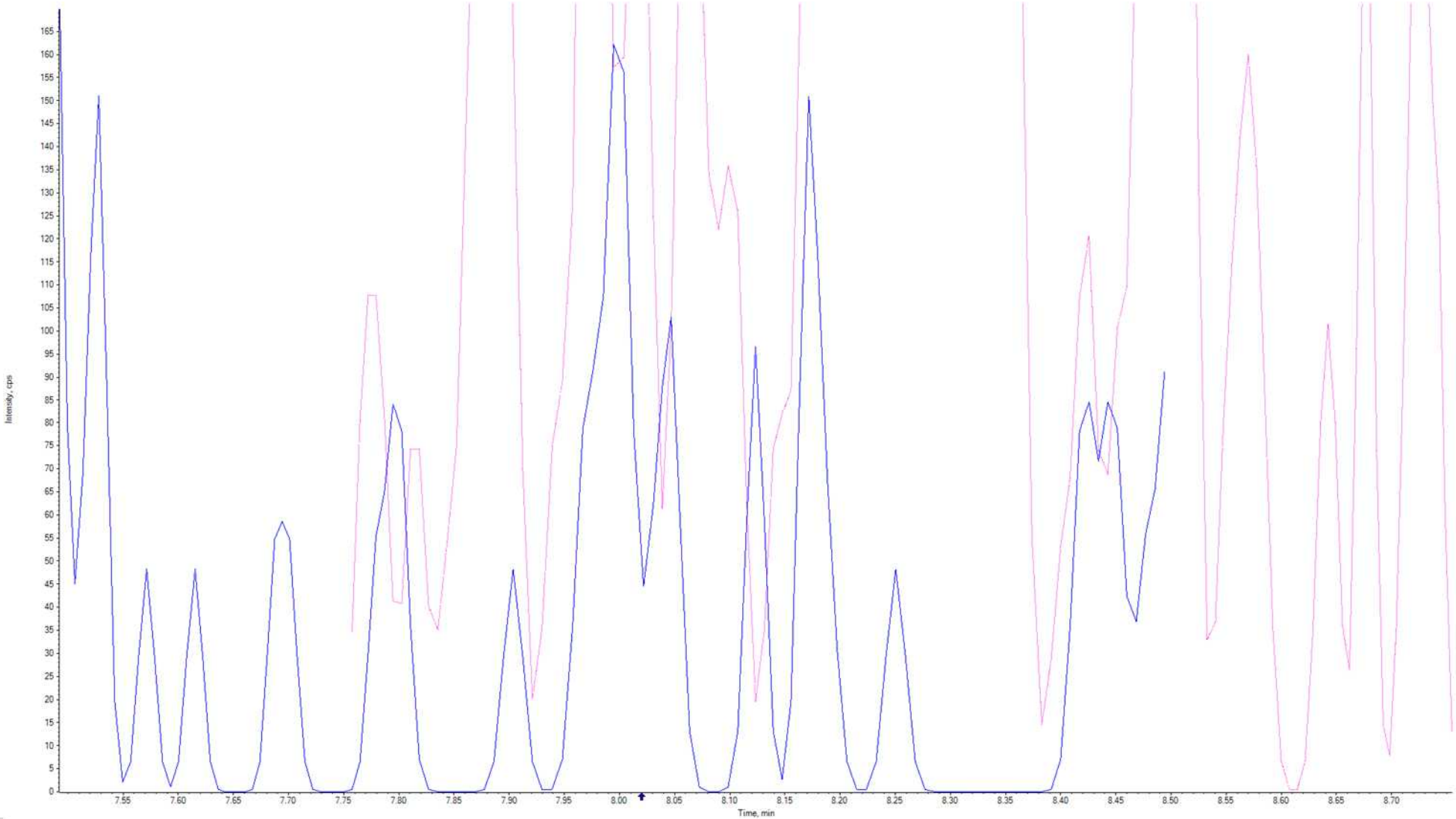
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpS
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



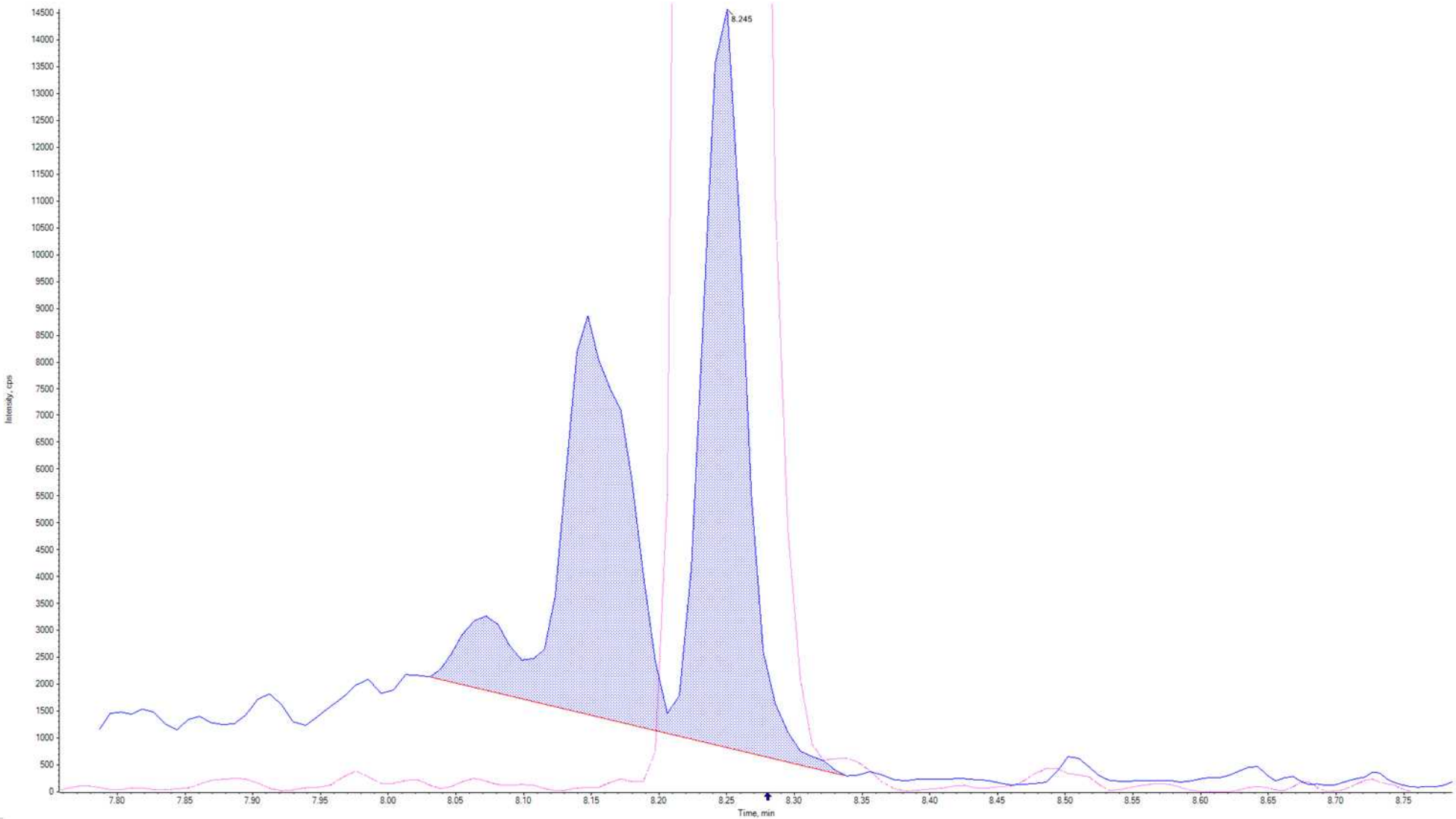
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpS_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



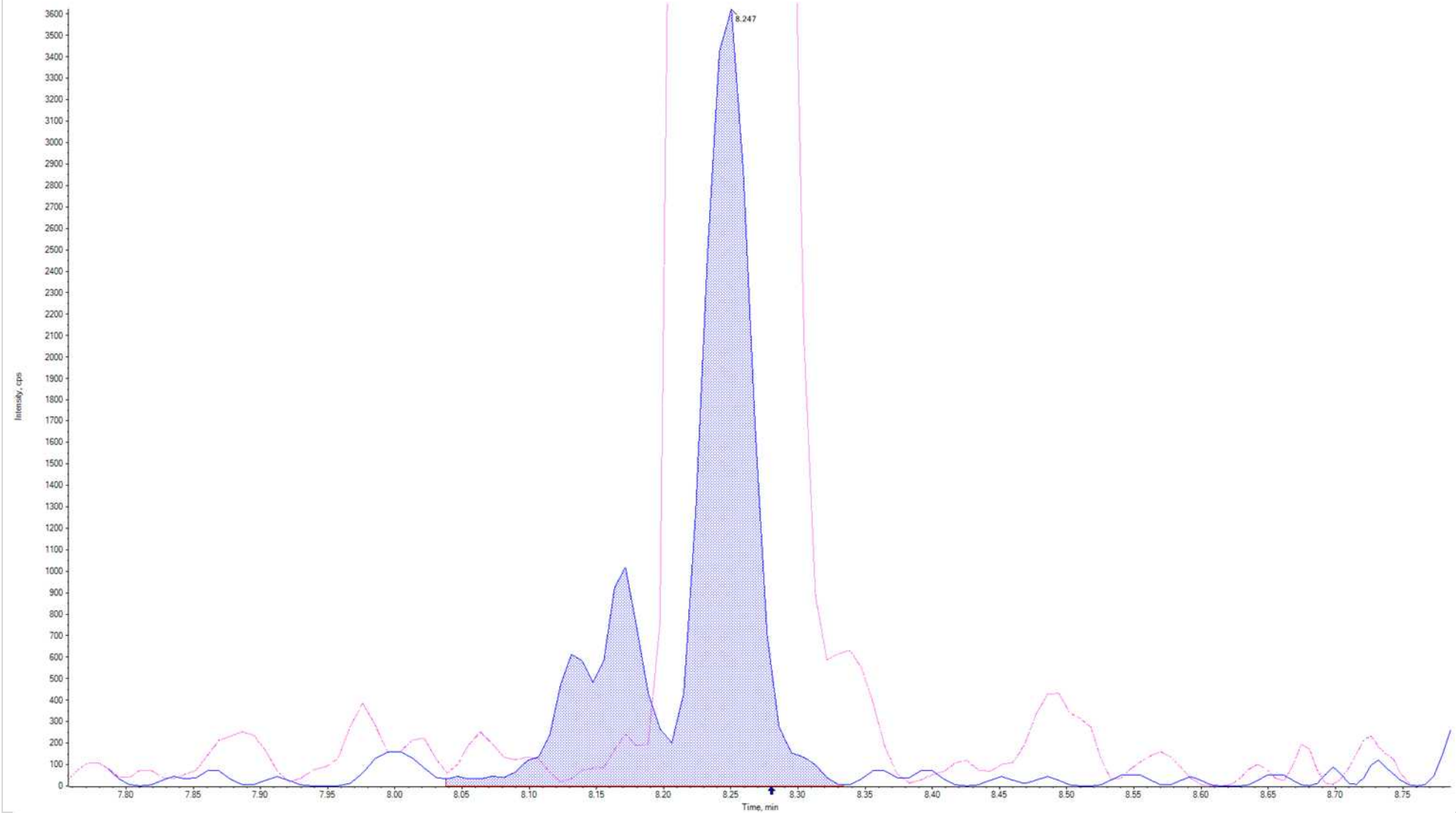
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOS
Sample: L2447503-05 S/N:238.4 Points Across peak:37



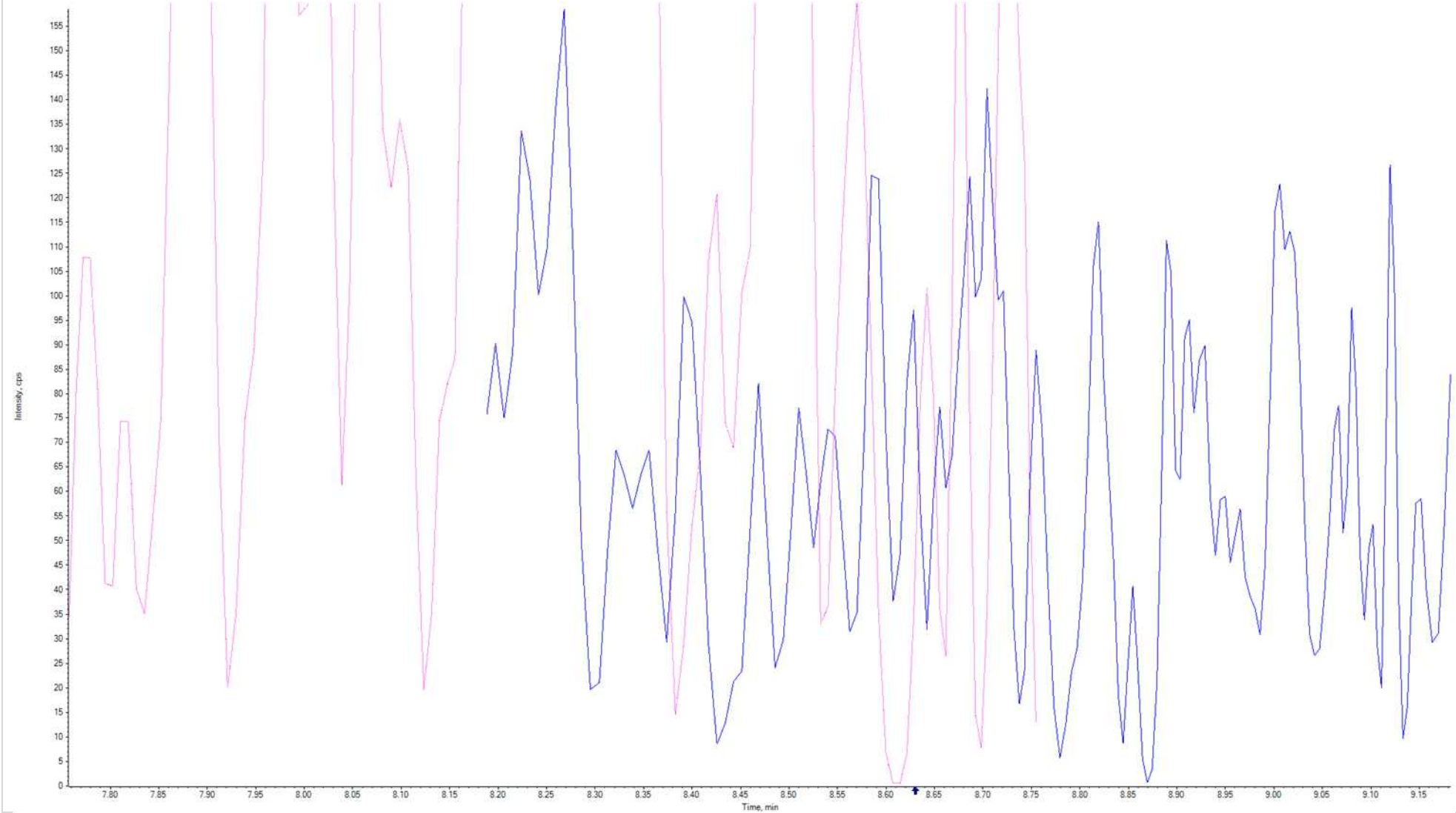
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOS_2
Sample: L2447503-05 S/N:4710.2 Points Across peak:37



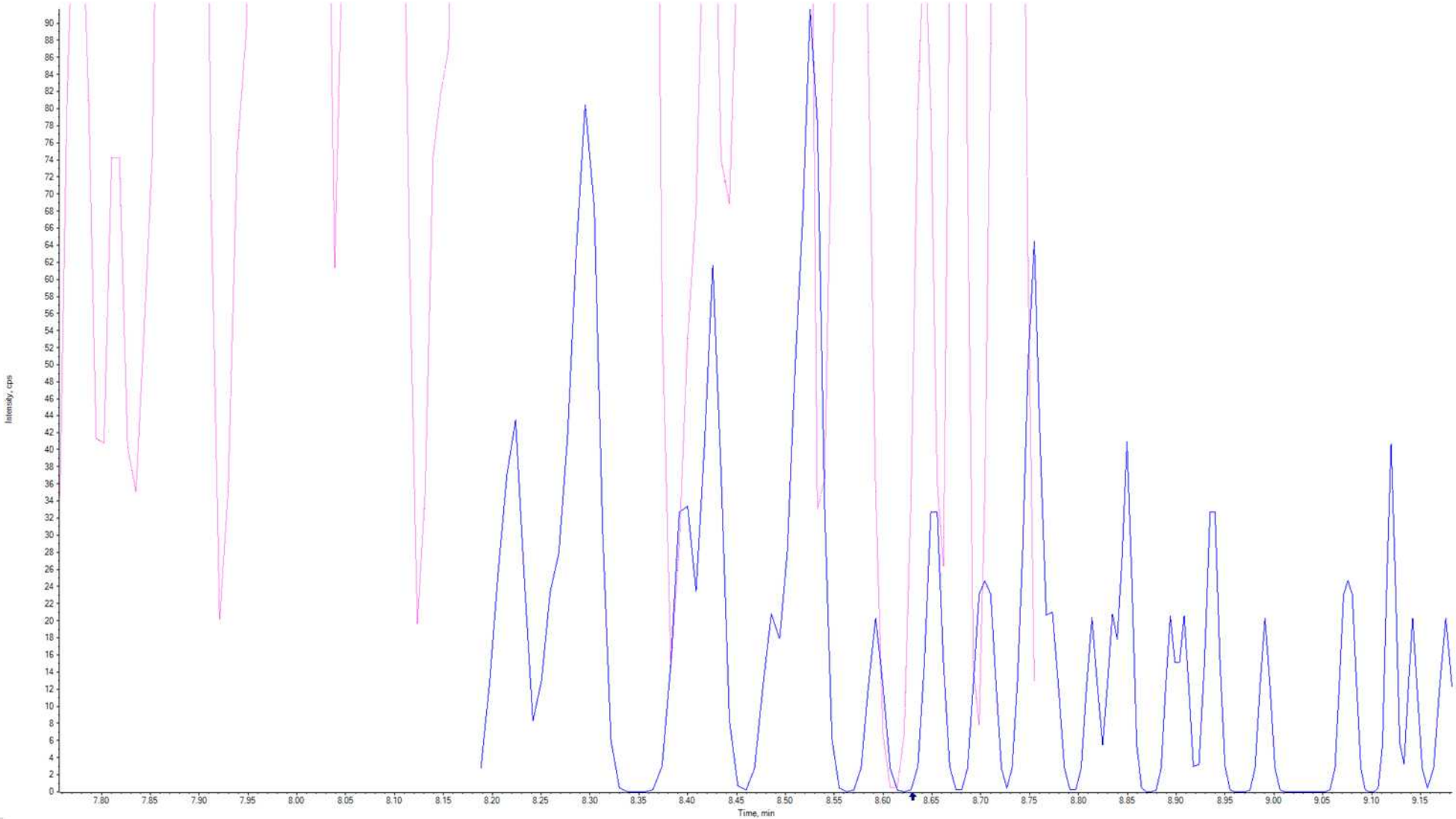
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNS
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



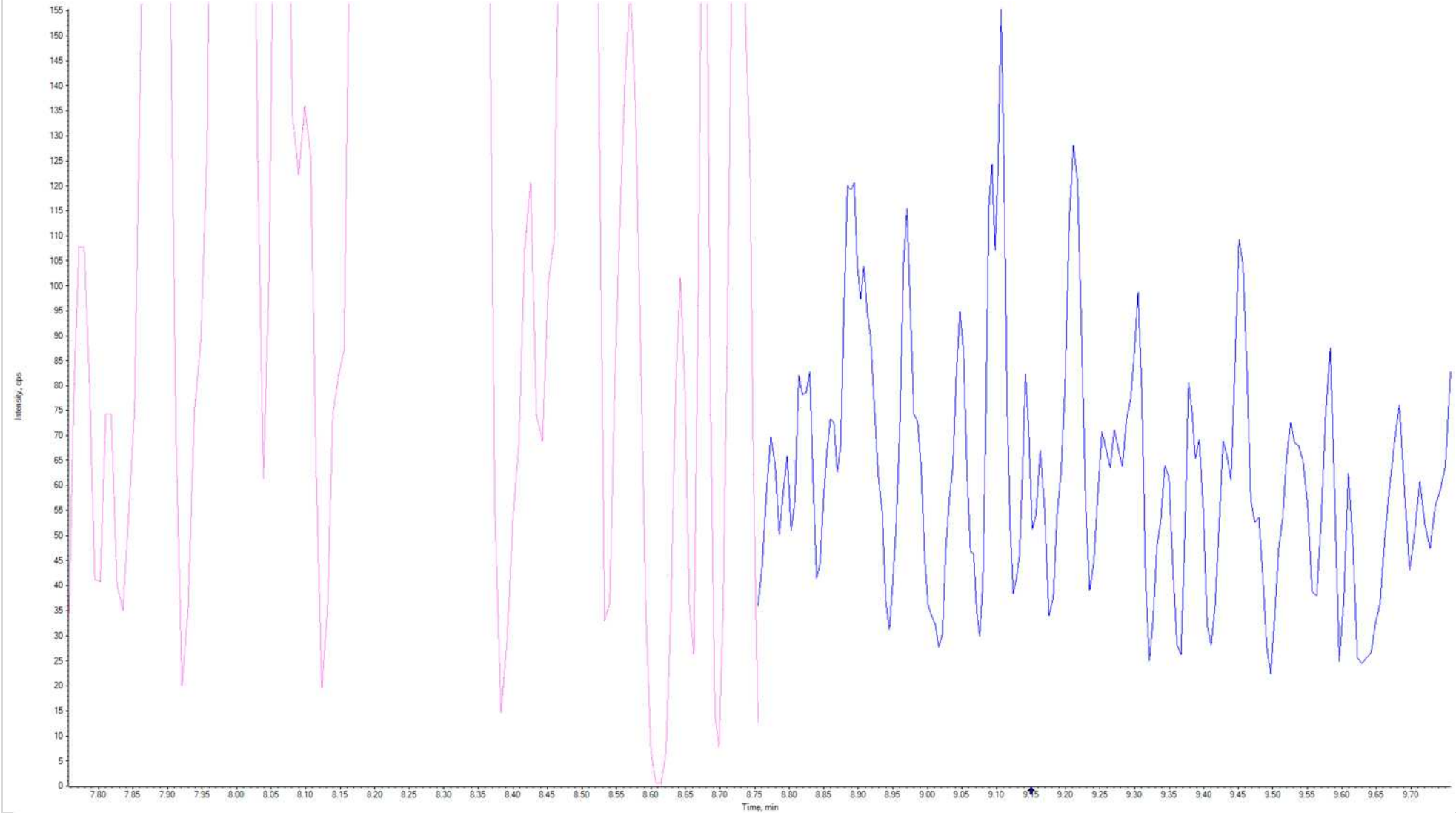
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNS_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



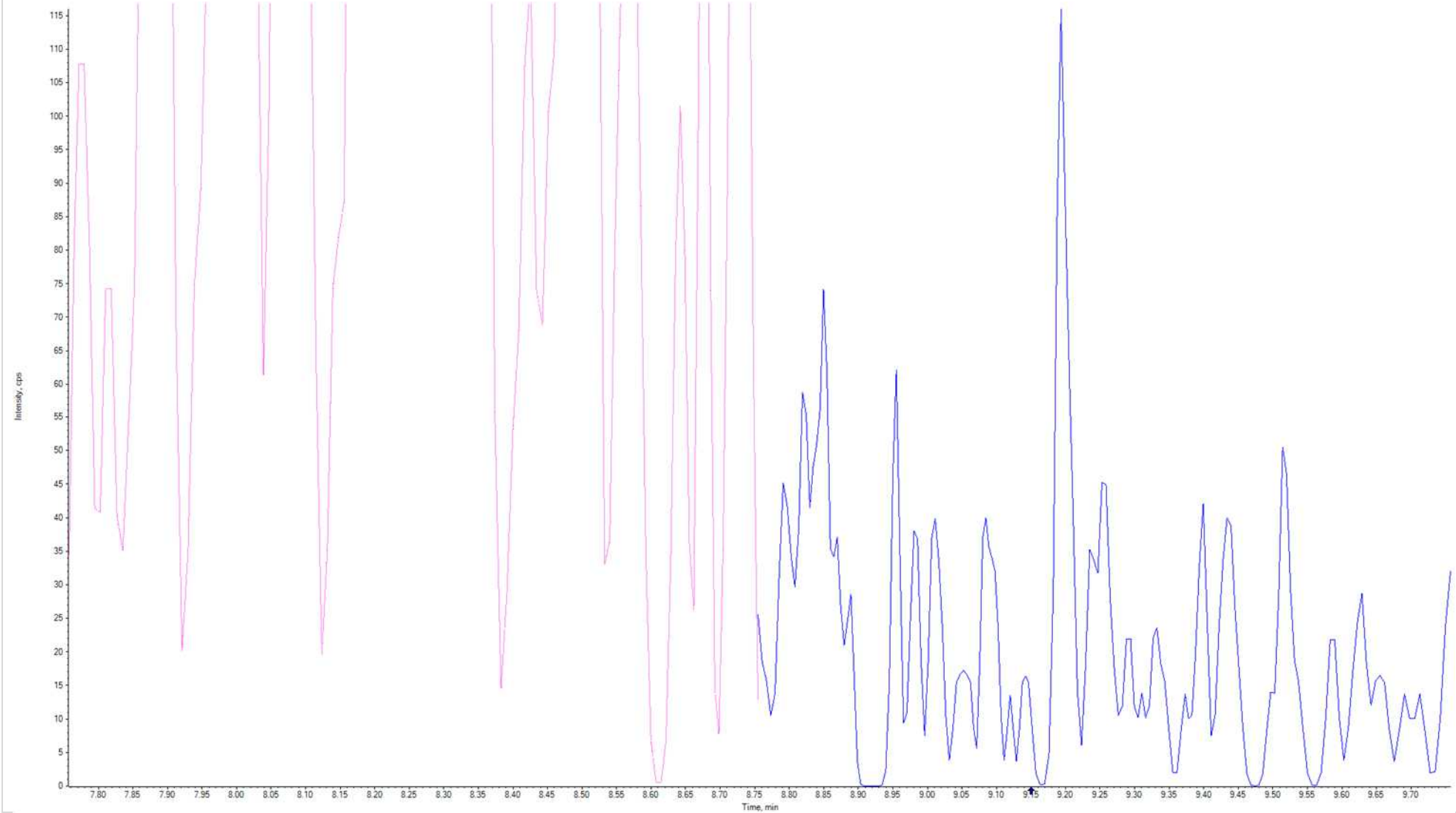
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDS
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



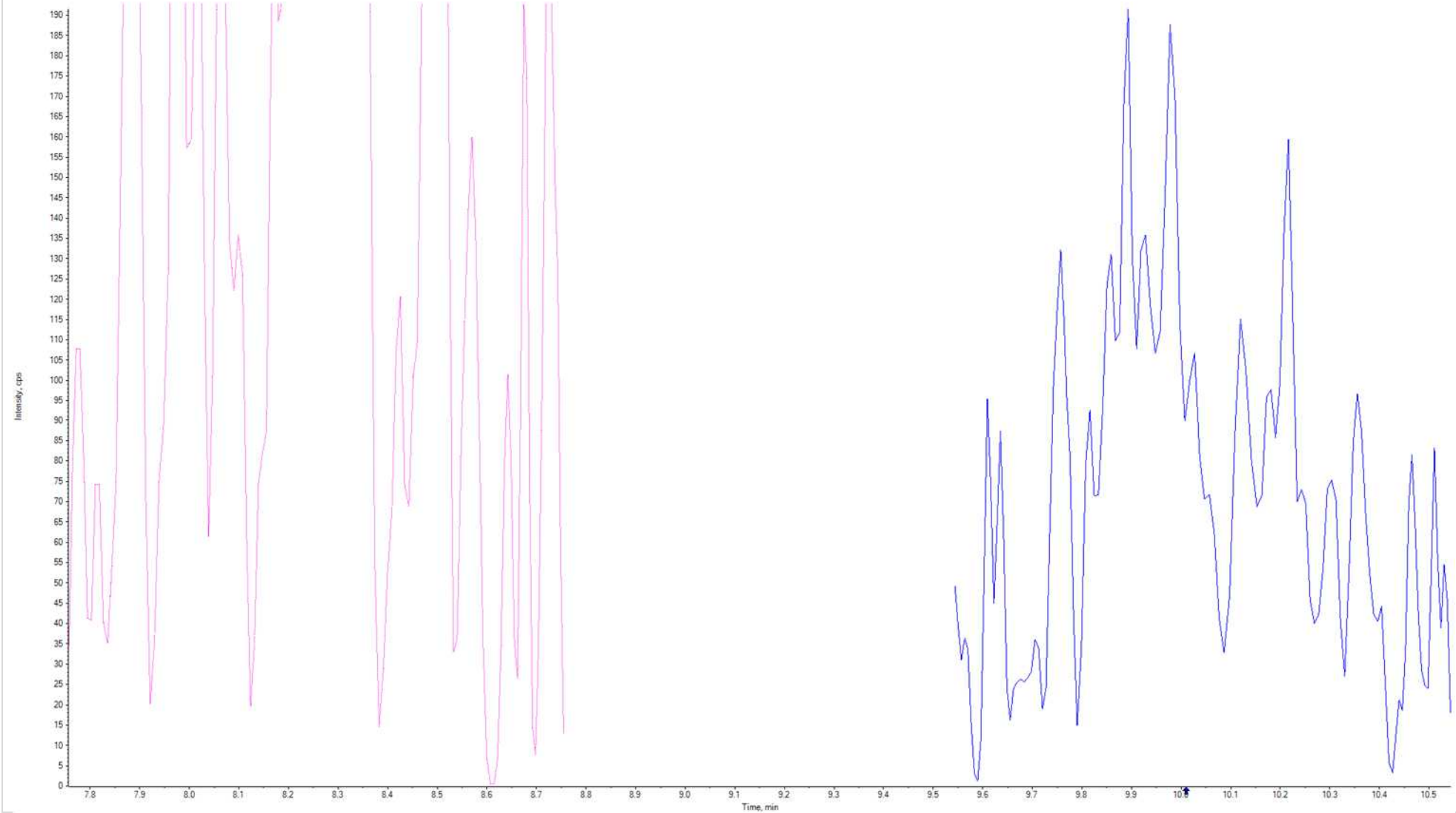
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDS_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



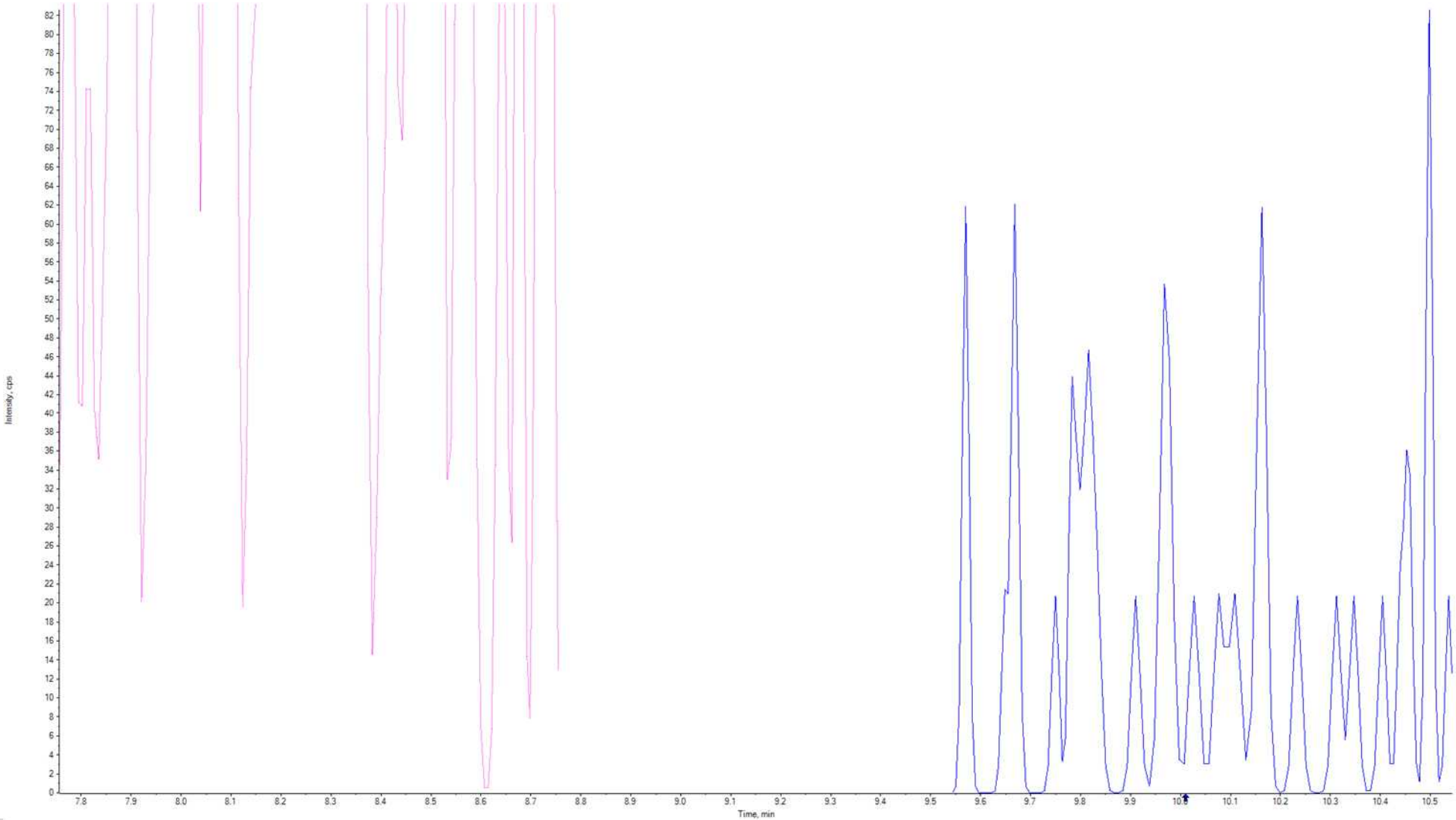
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoS
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



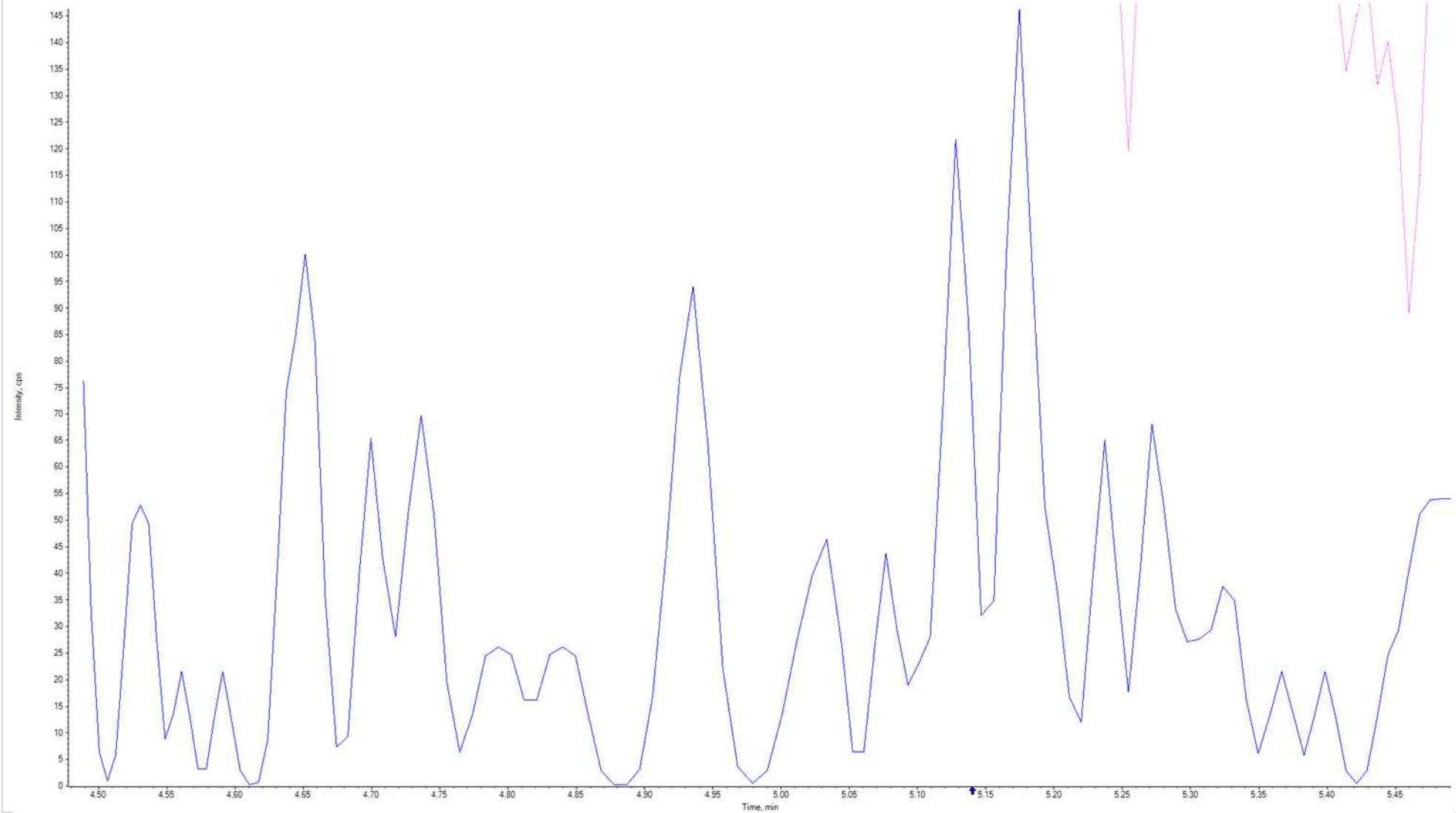
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoS_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



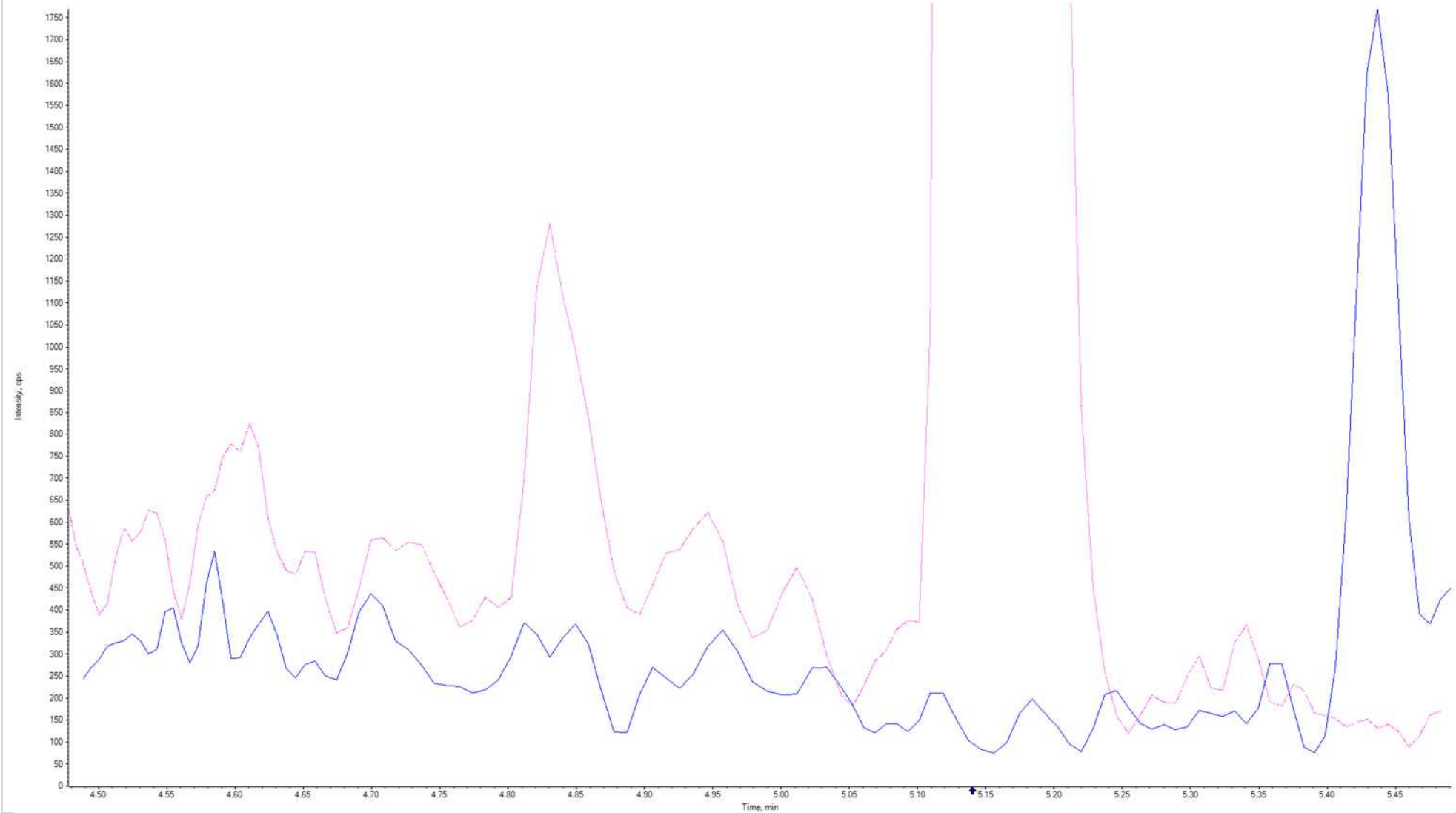
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

4:2FTS
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



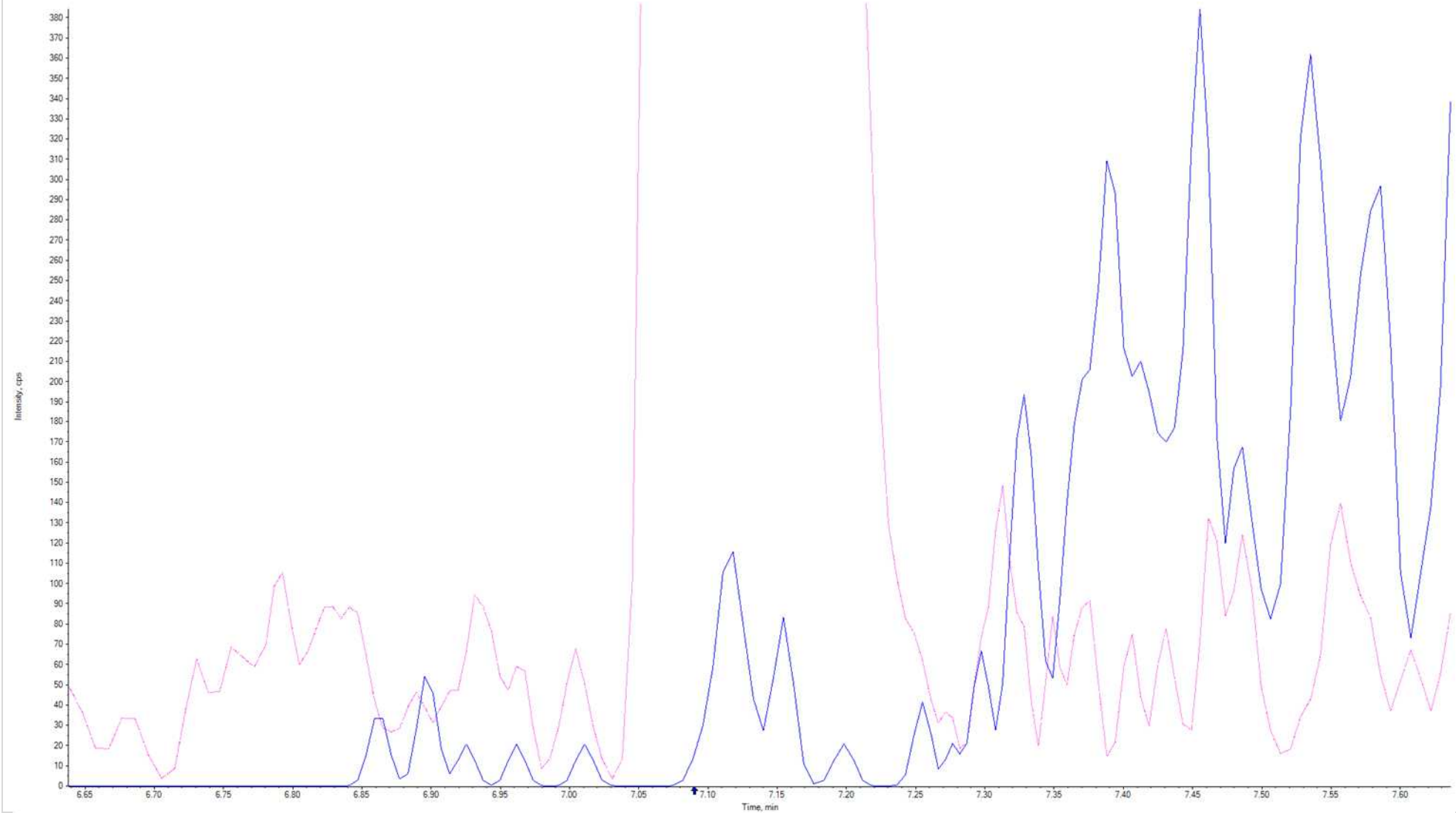
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

4:2FTS_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



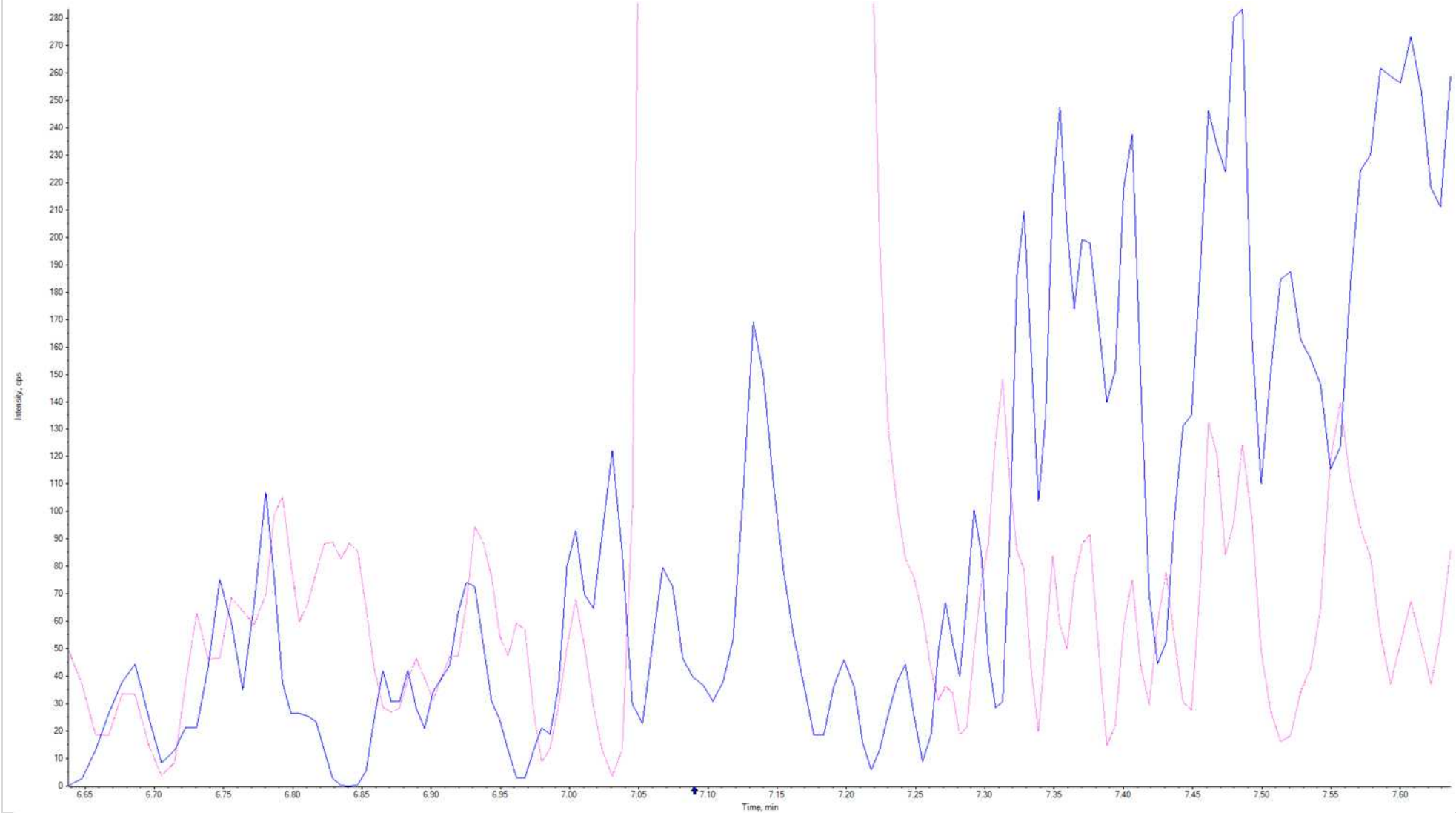
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

6:2FTS
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



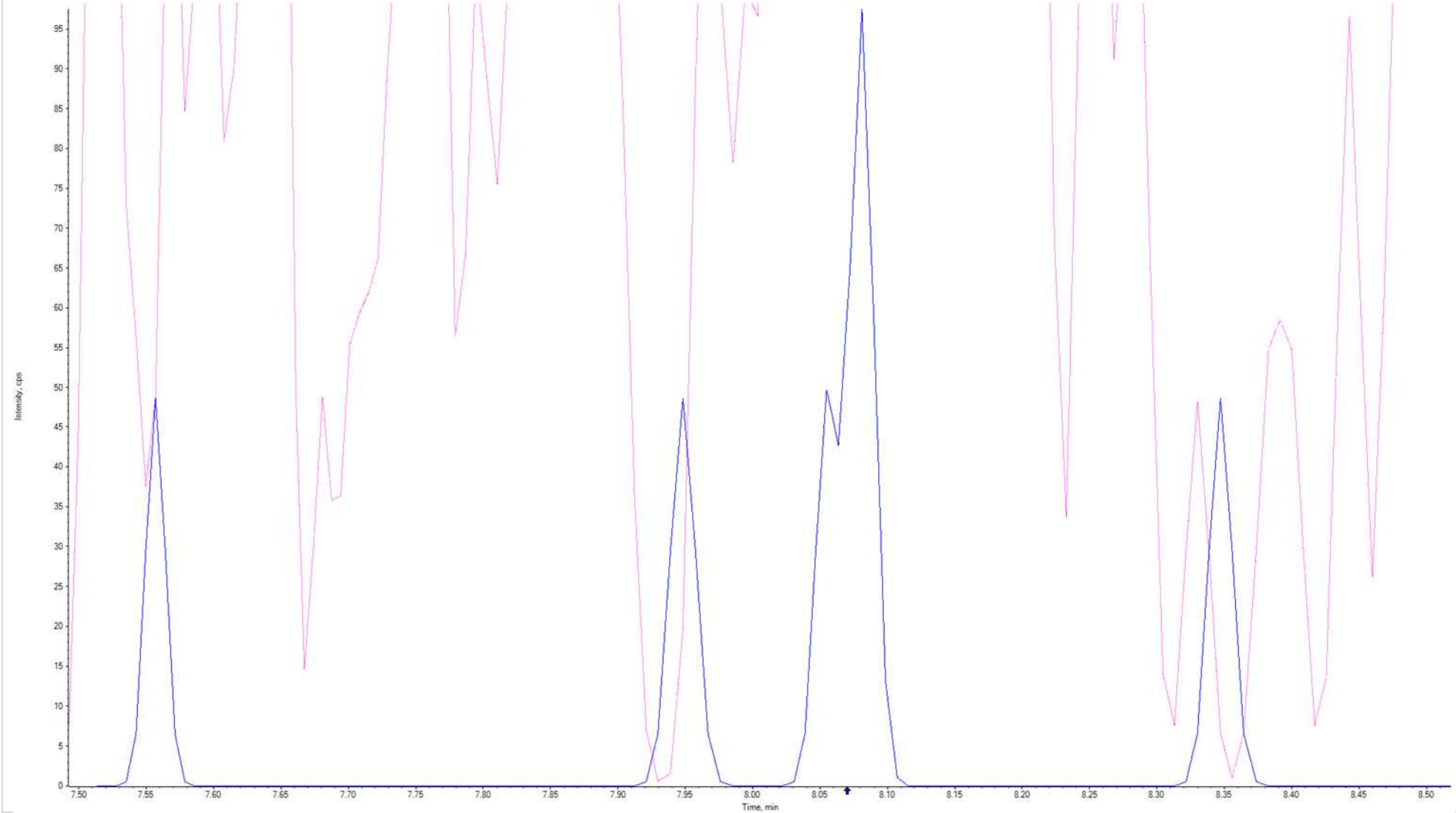
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

6:2FTS_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A

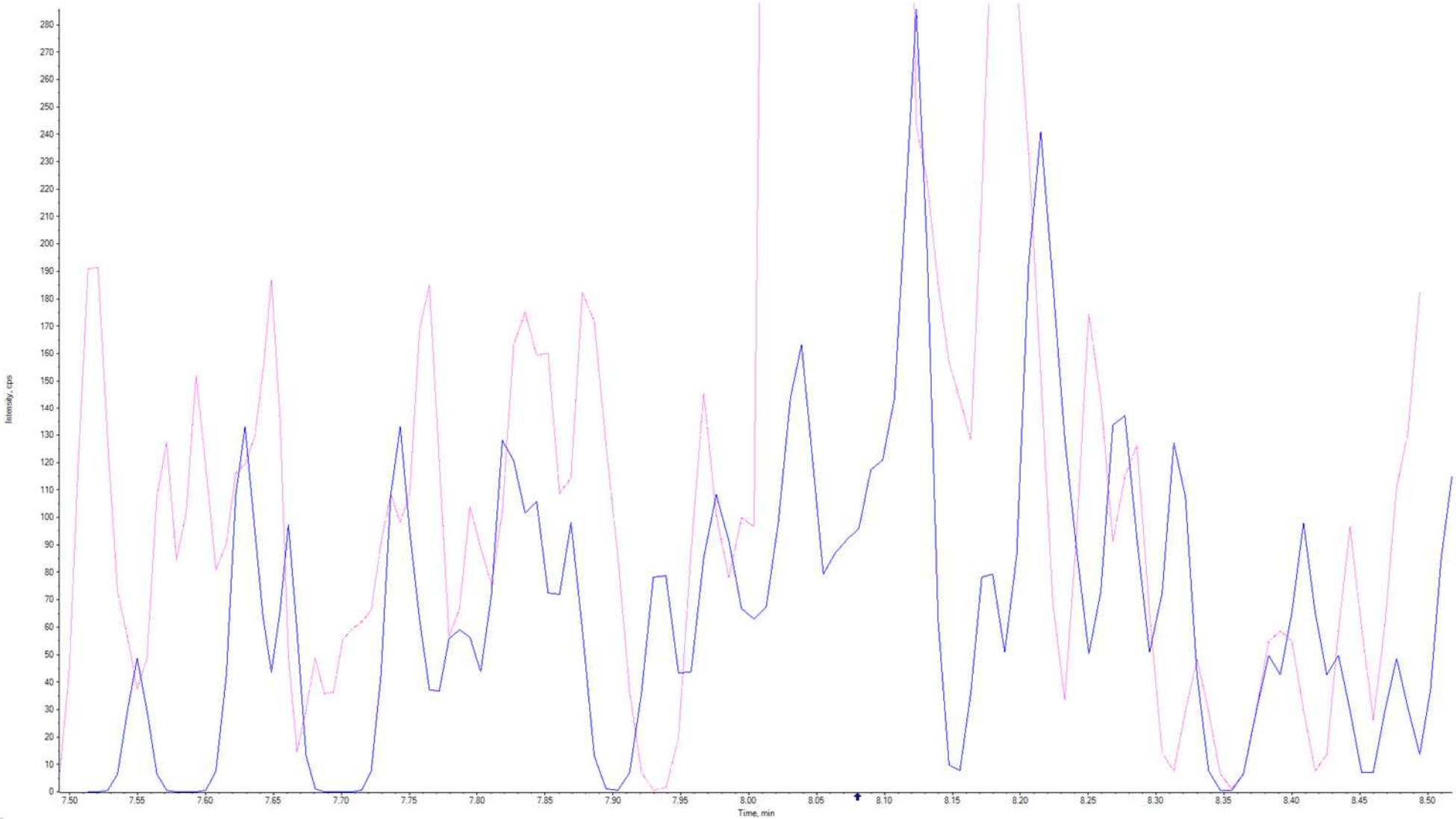


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

8:2FTS
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



8:2FTS_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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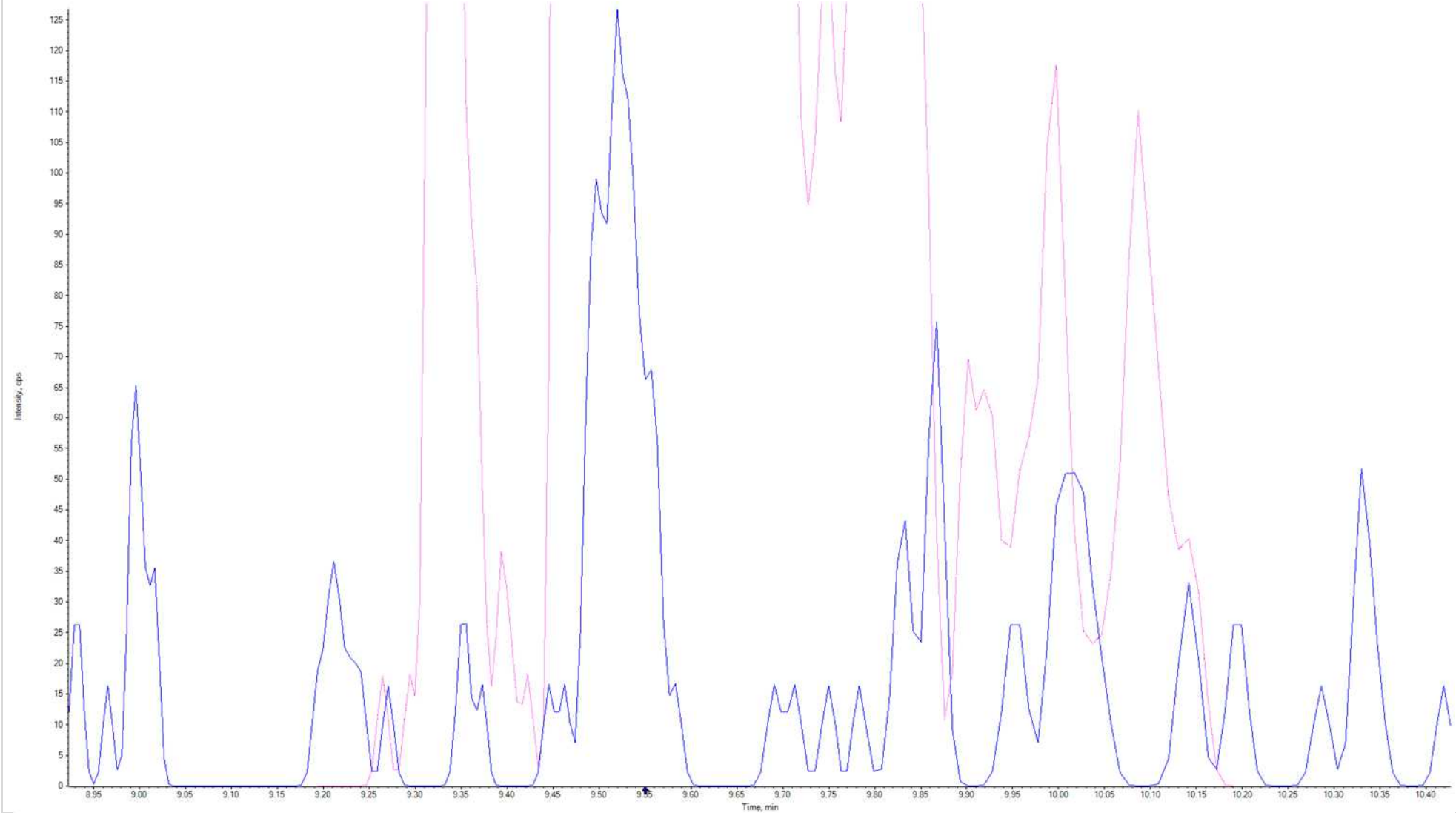
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOSA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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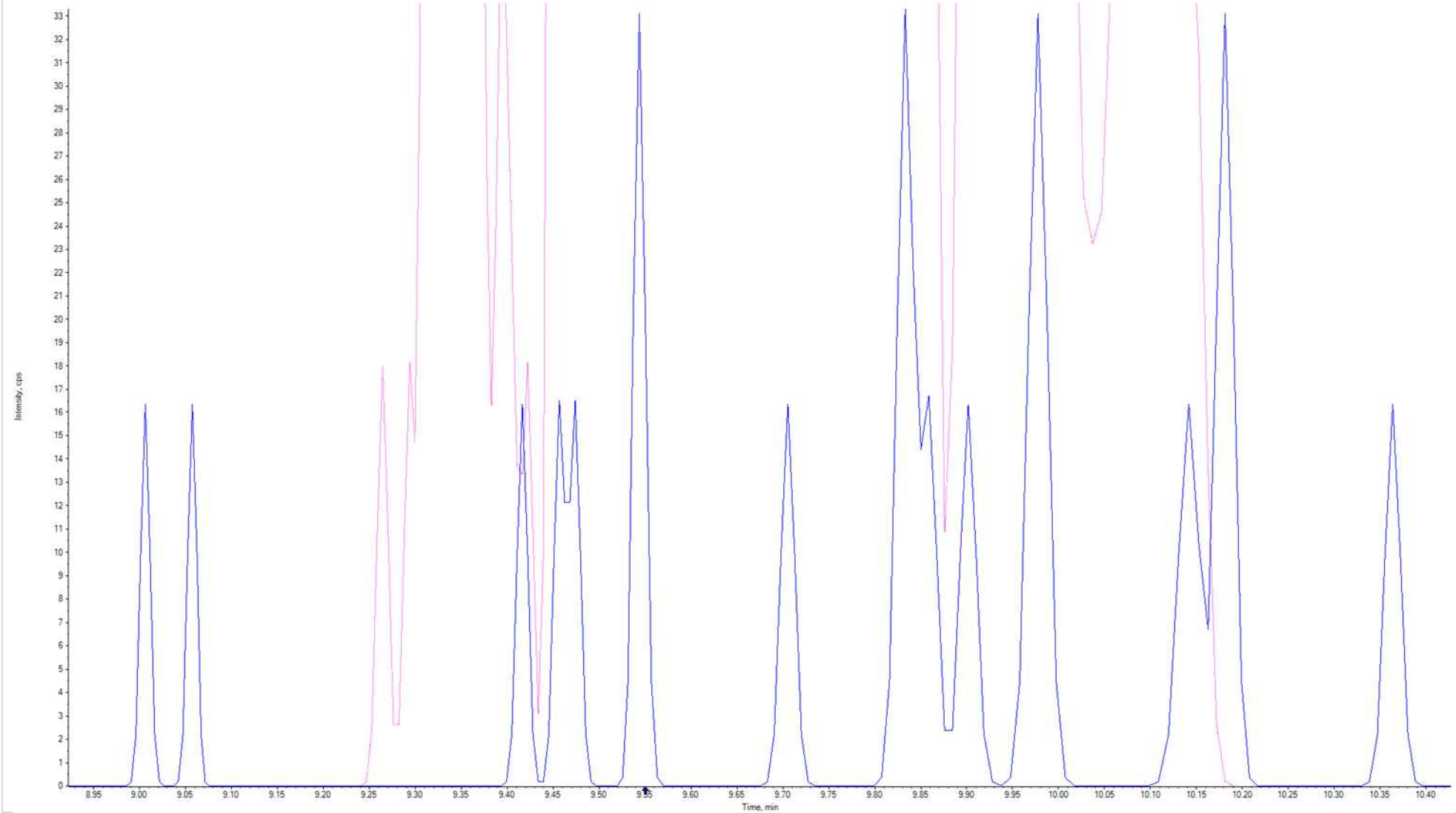
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOSA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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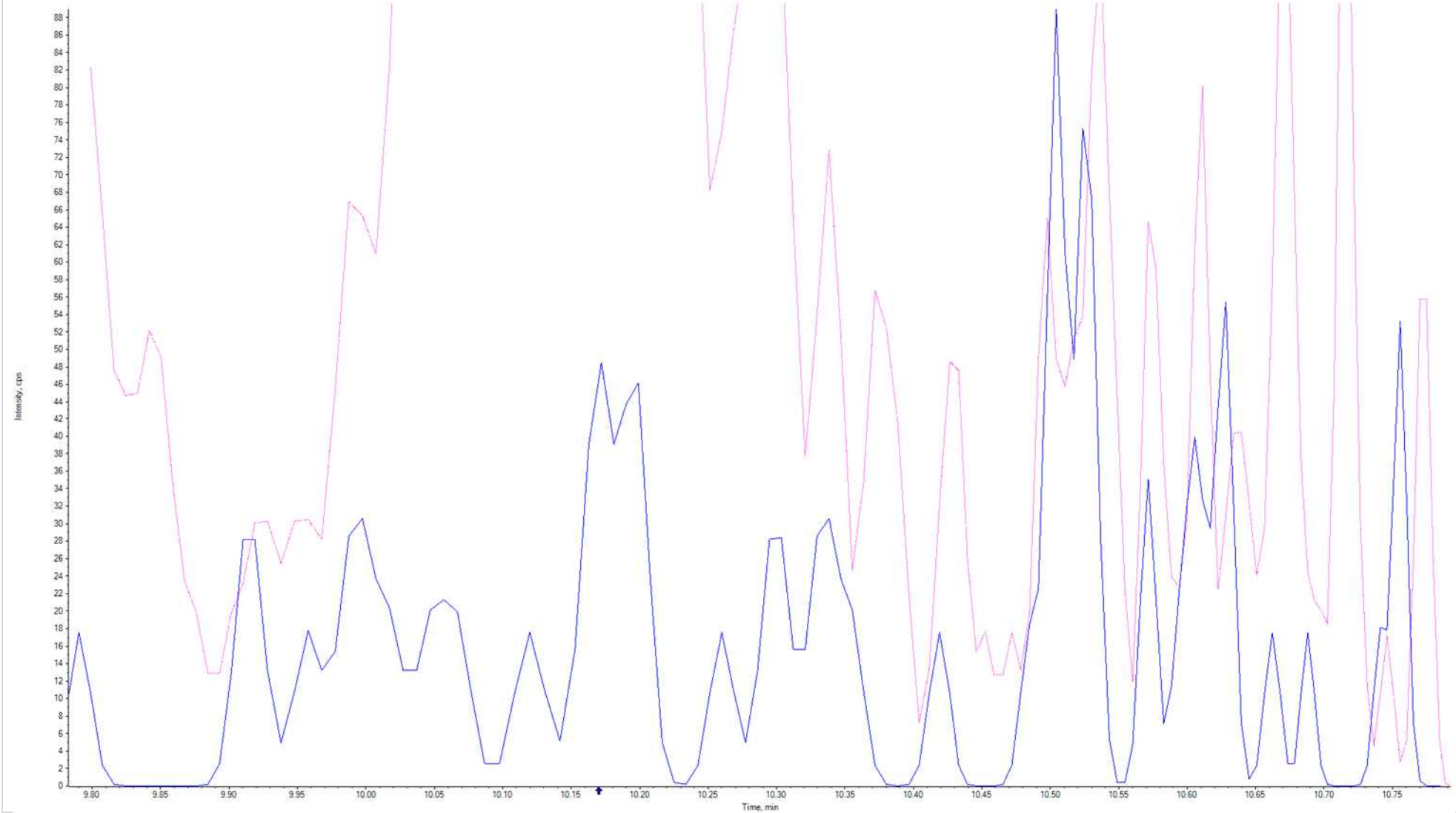
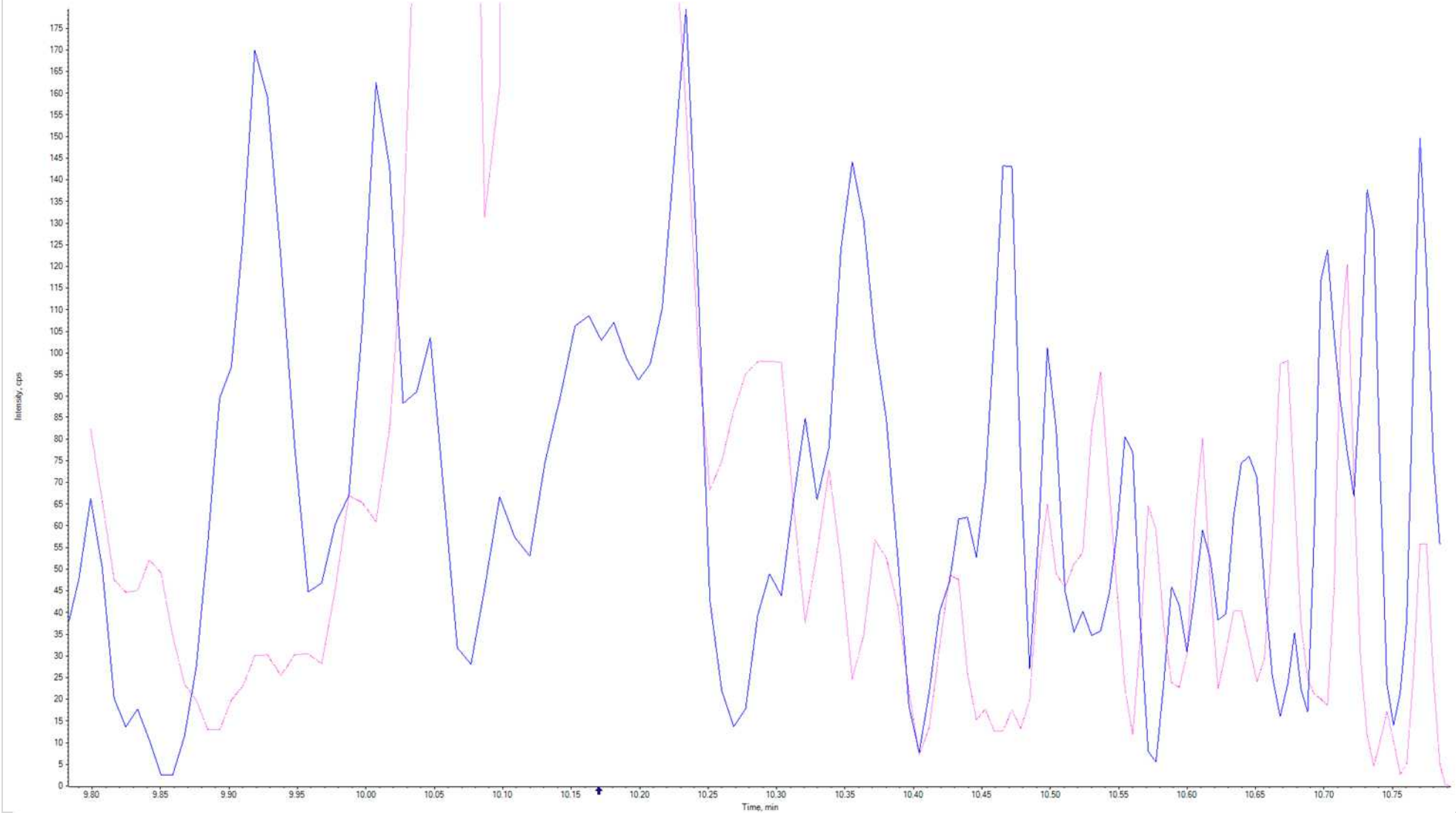
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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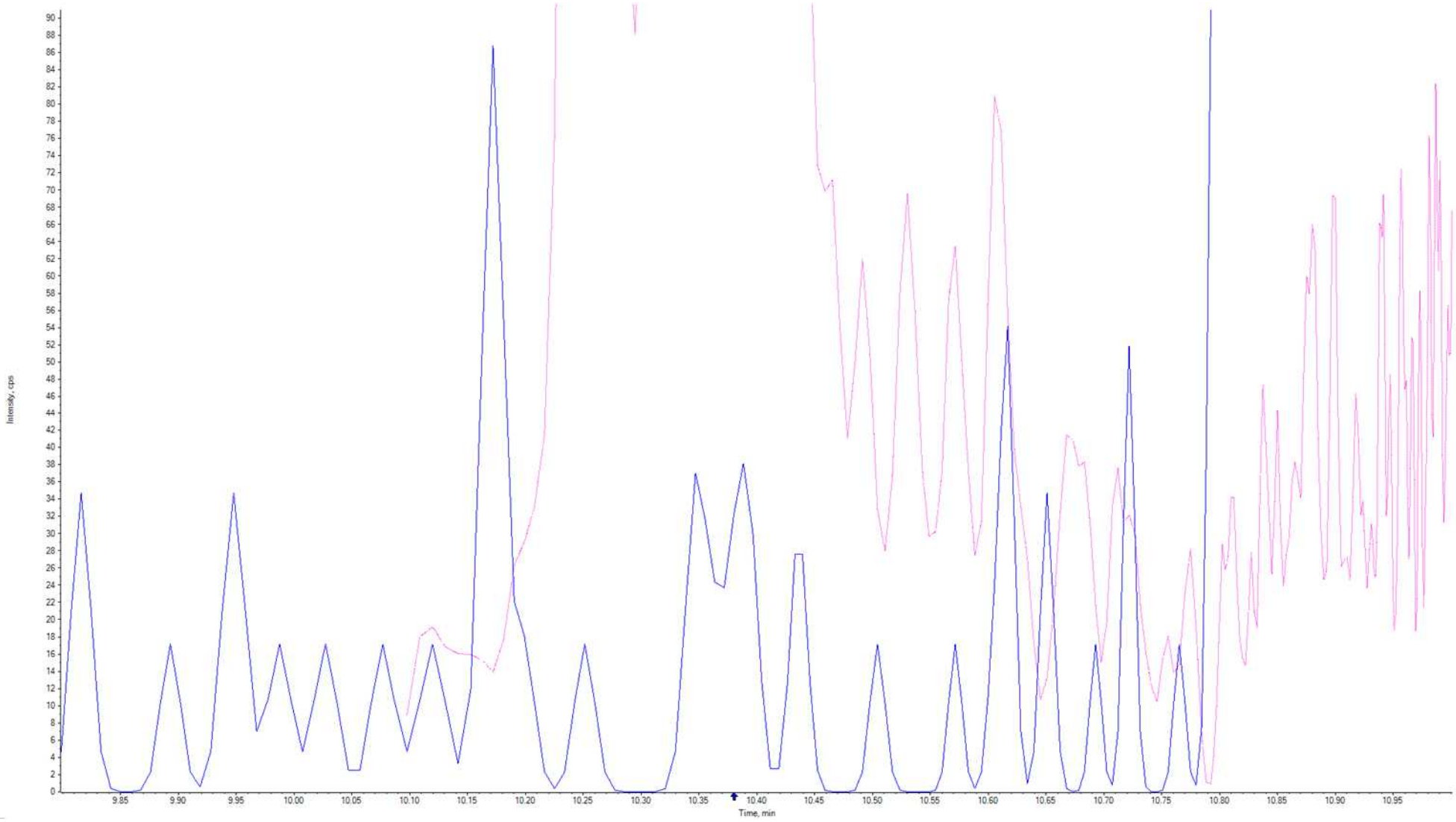
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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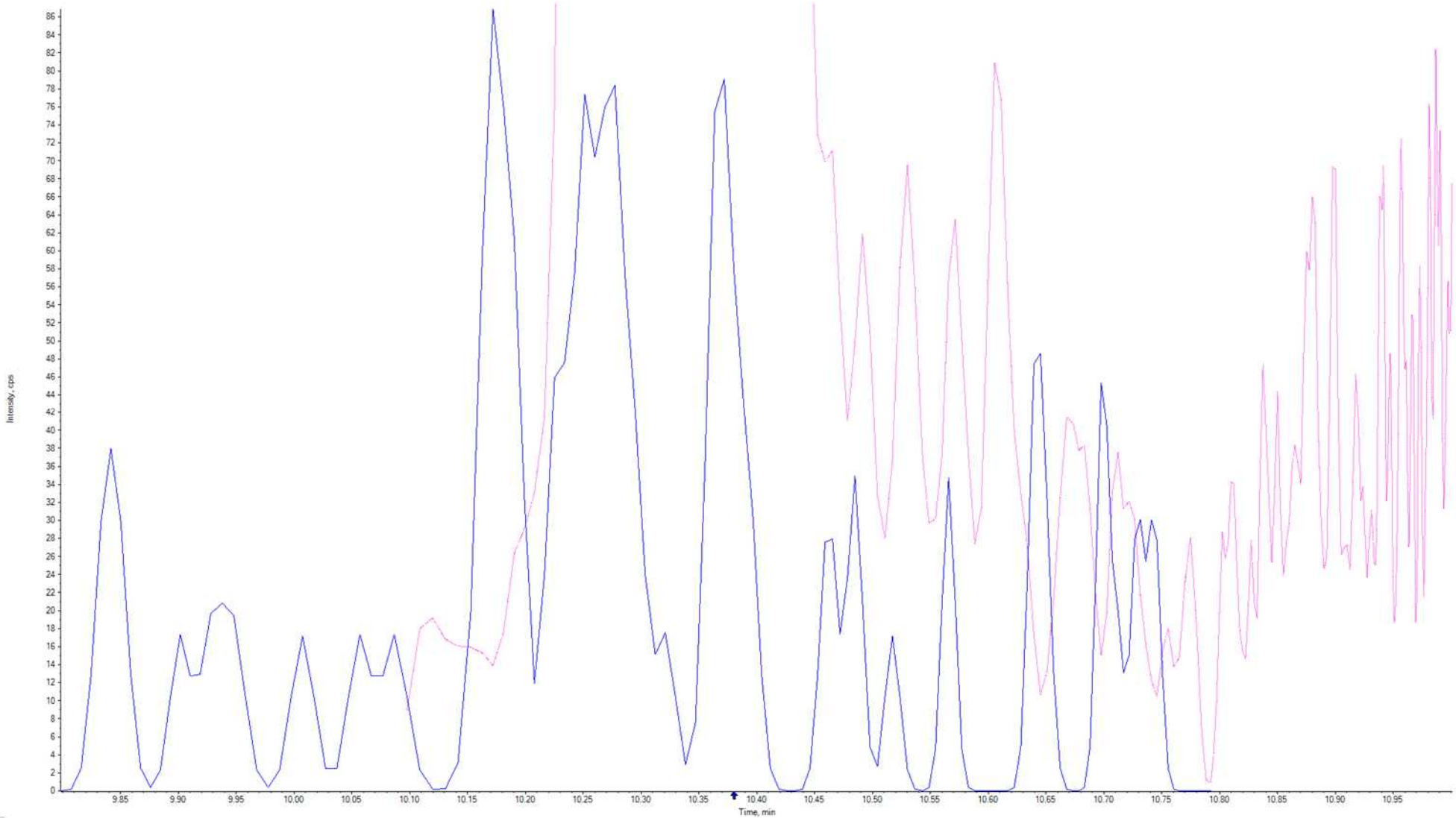
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



NMeFOSAA
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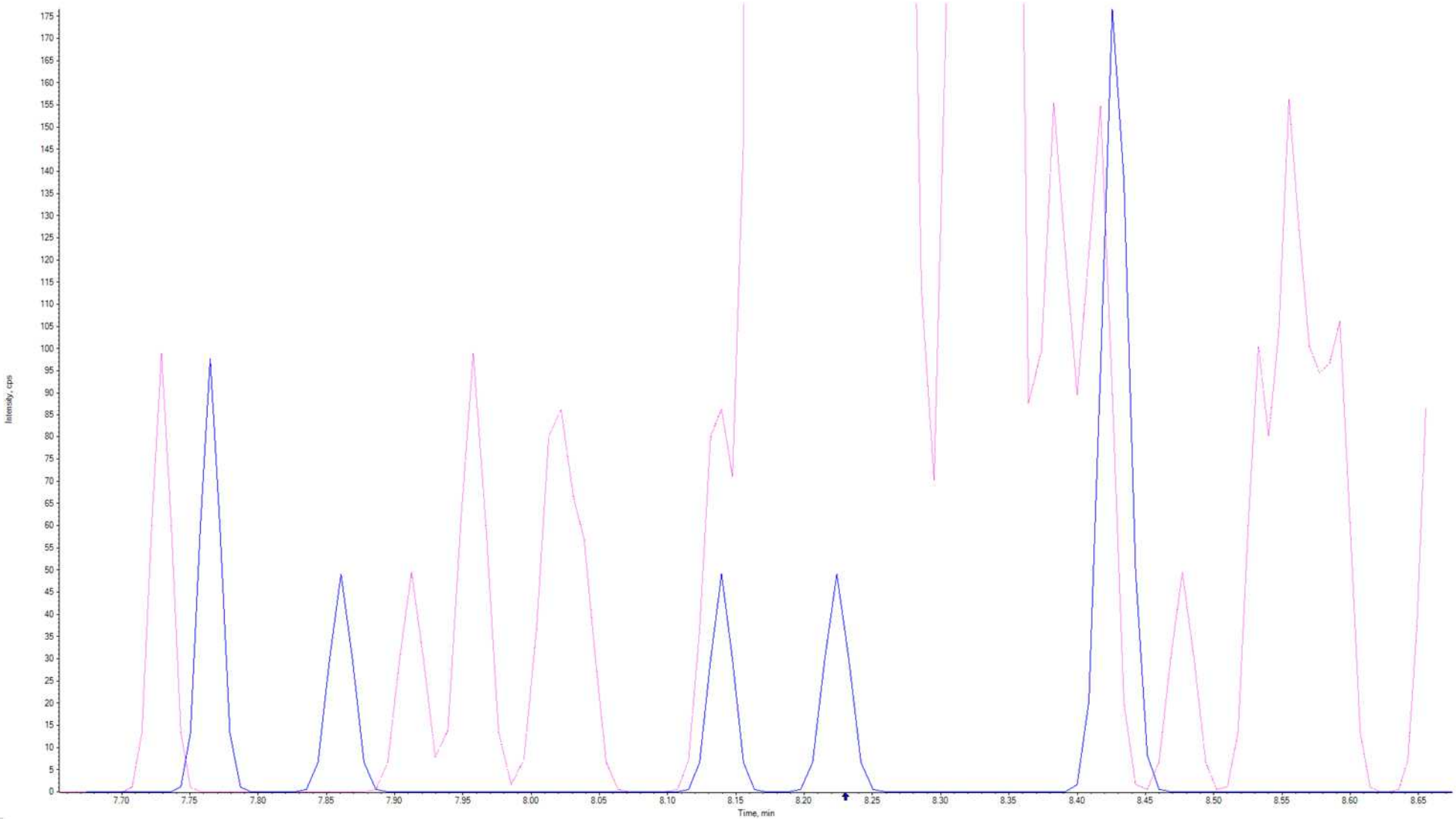

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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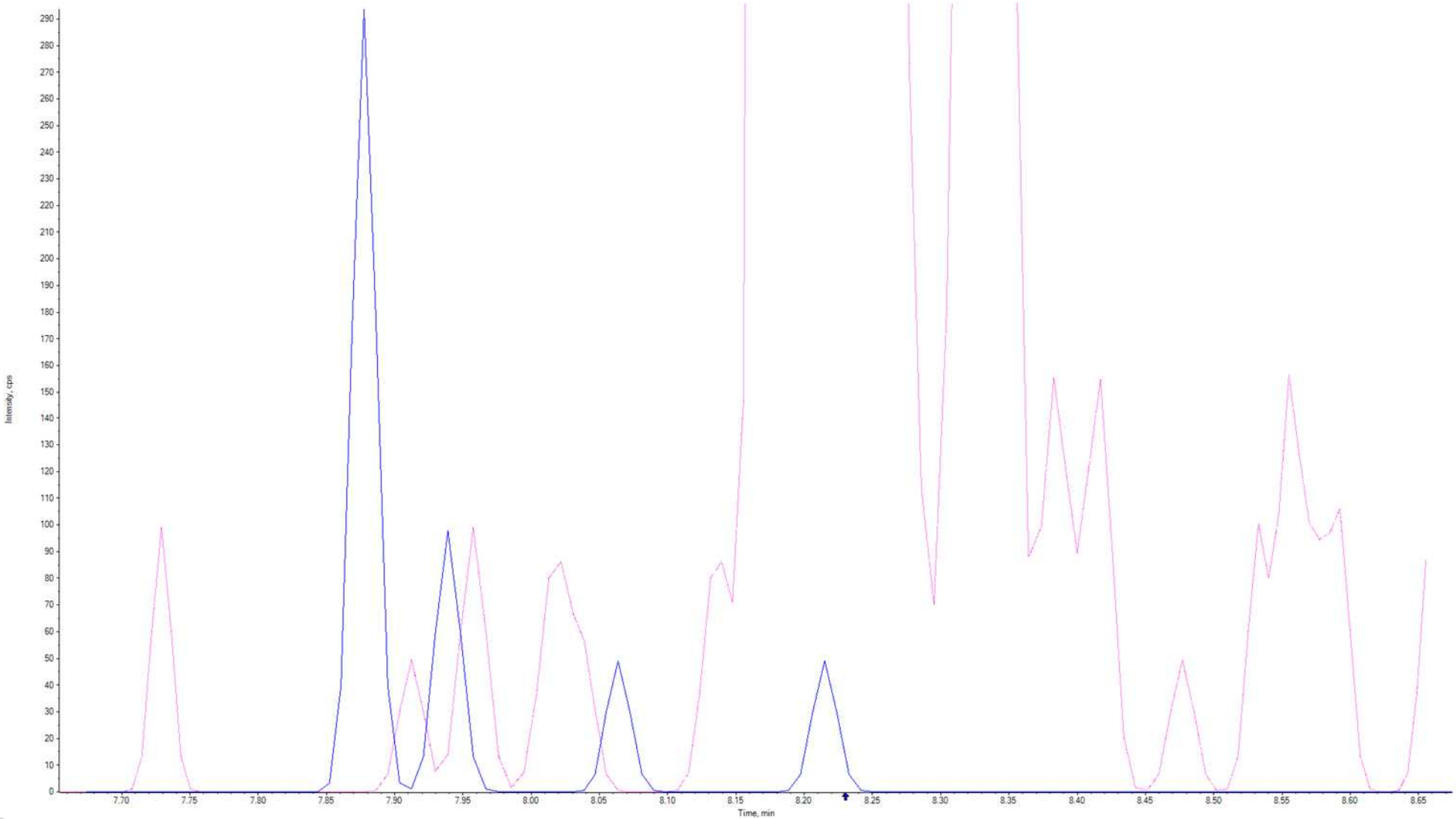
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSAA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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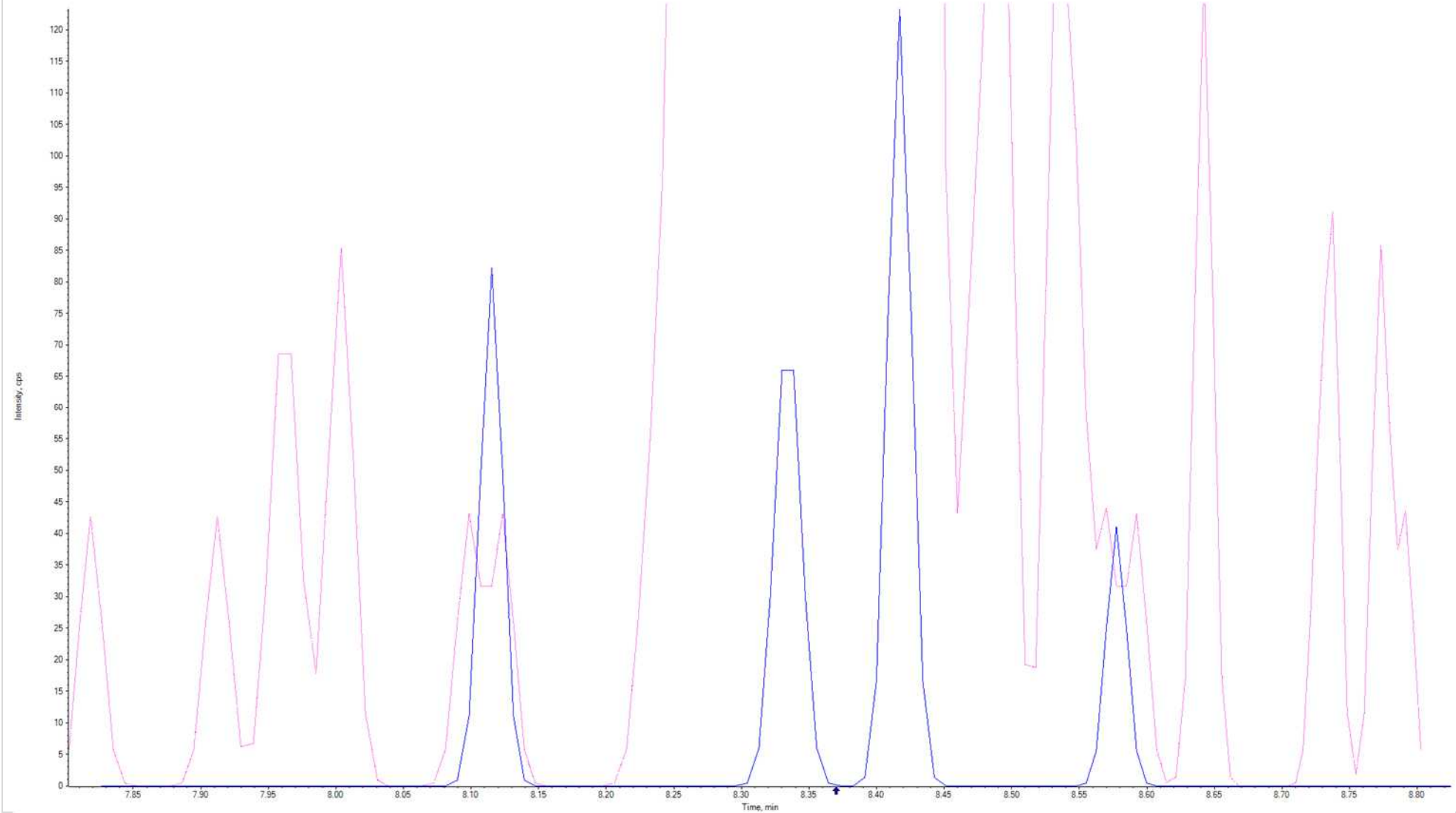
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSAA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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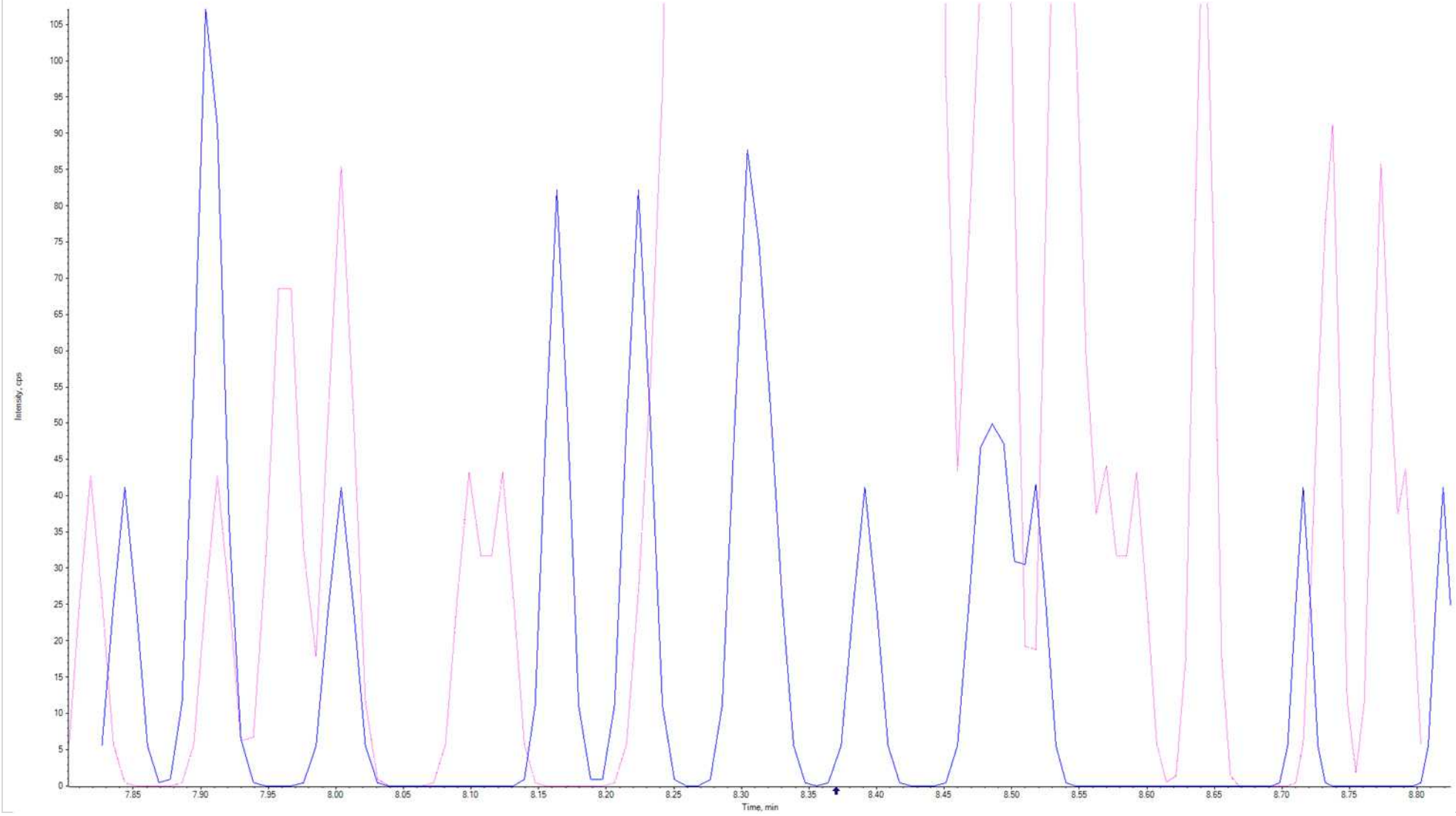
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSAA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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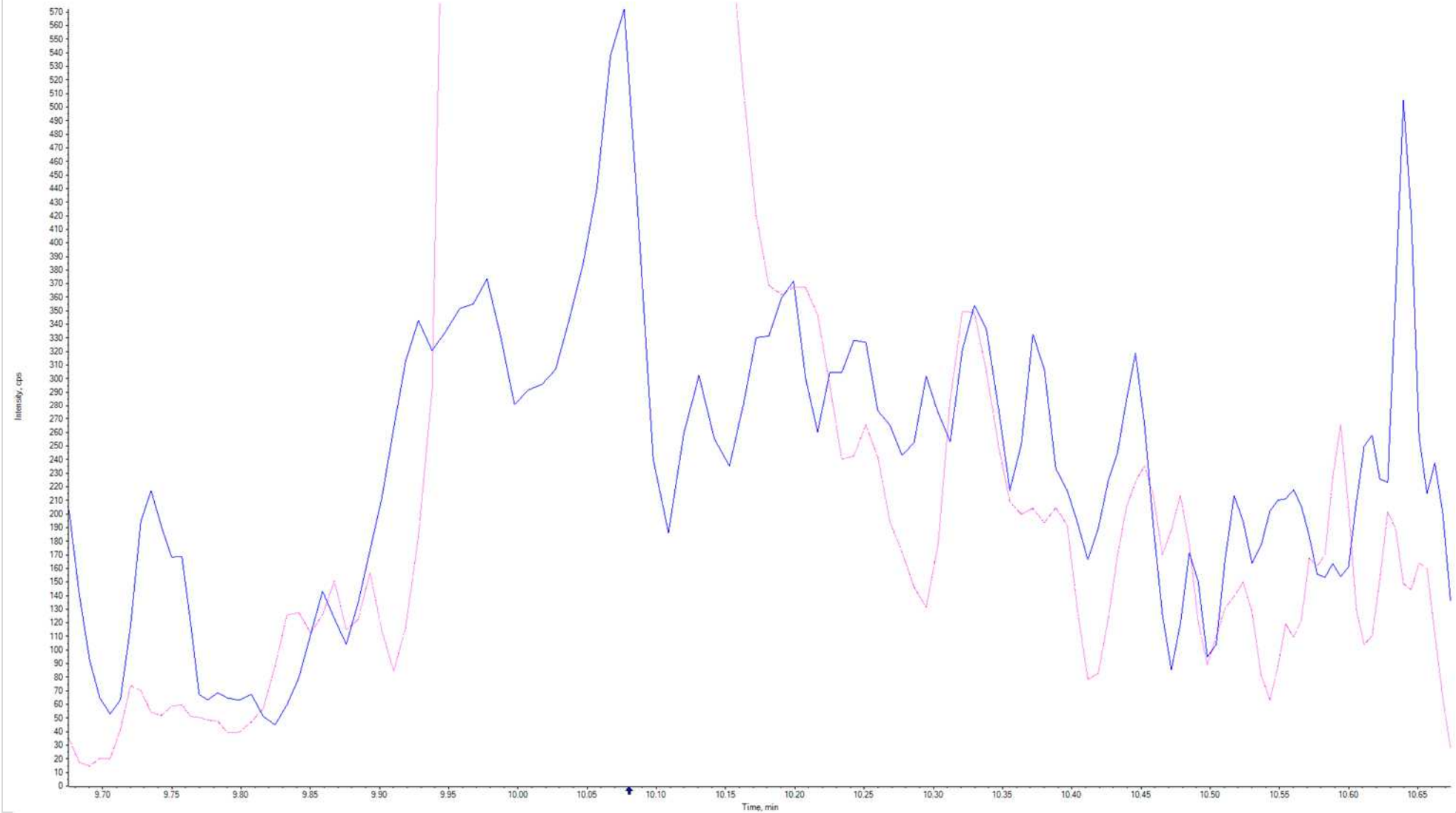
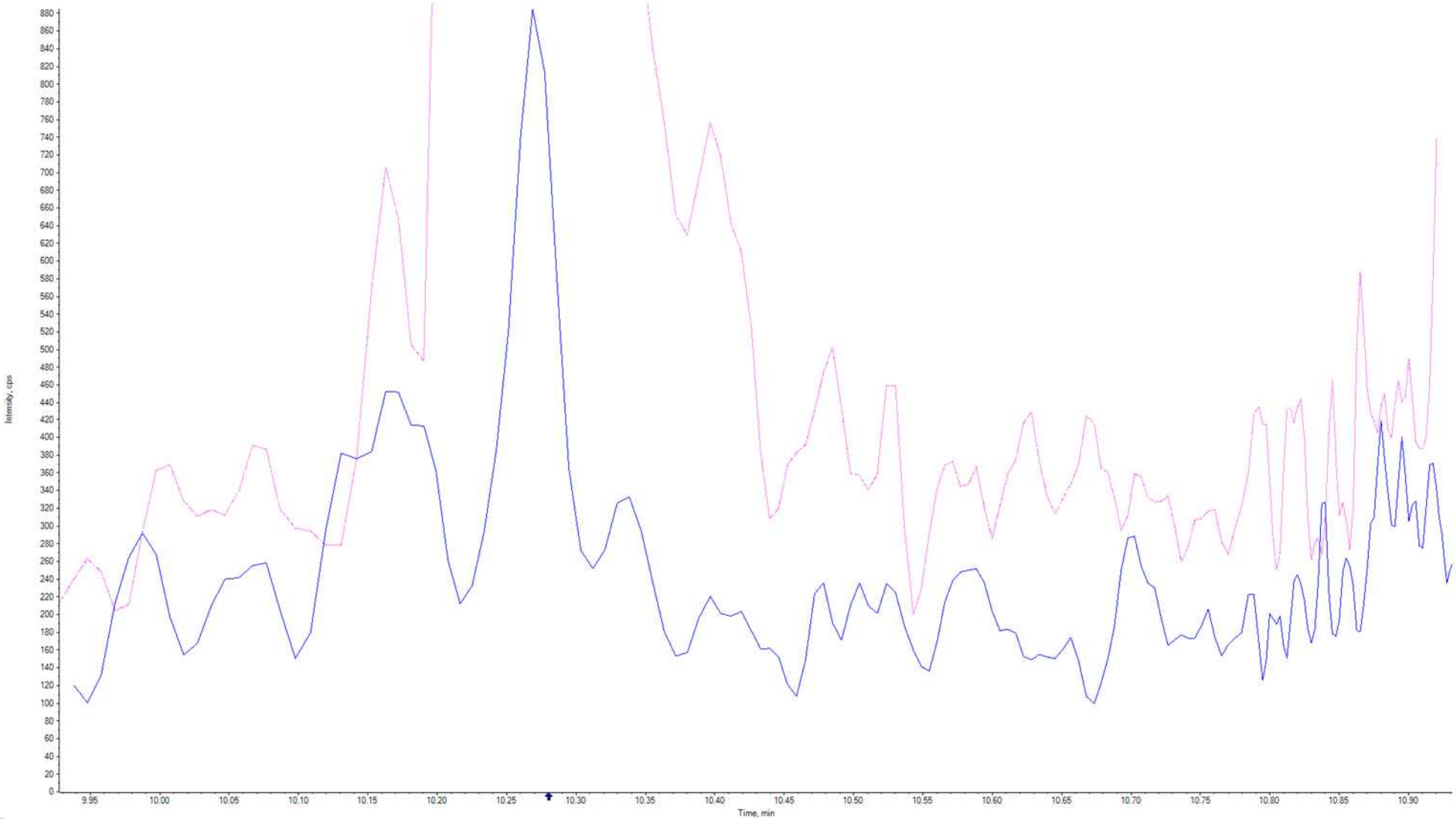
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

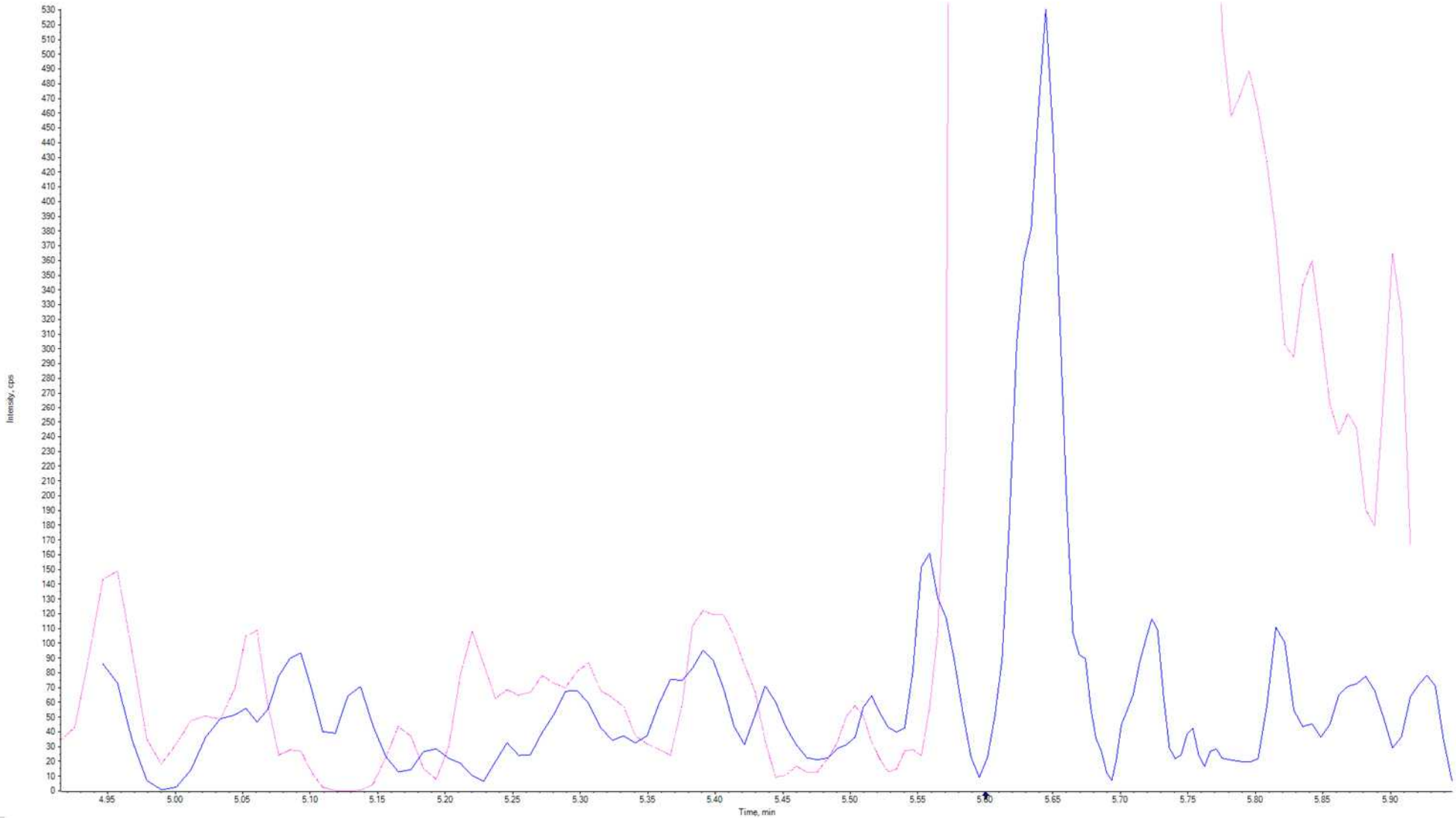
NMeFOSE
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



NEtFOSE
Sample: L2447503-05 S/N:N/A Points Across peak:N/A

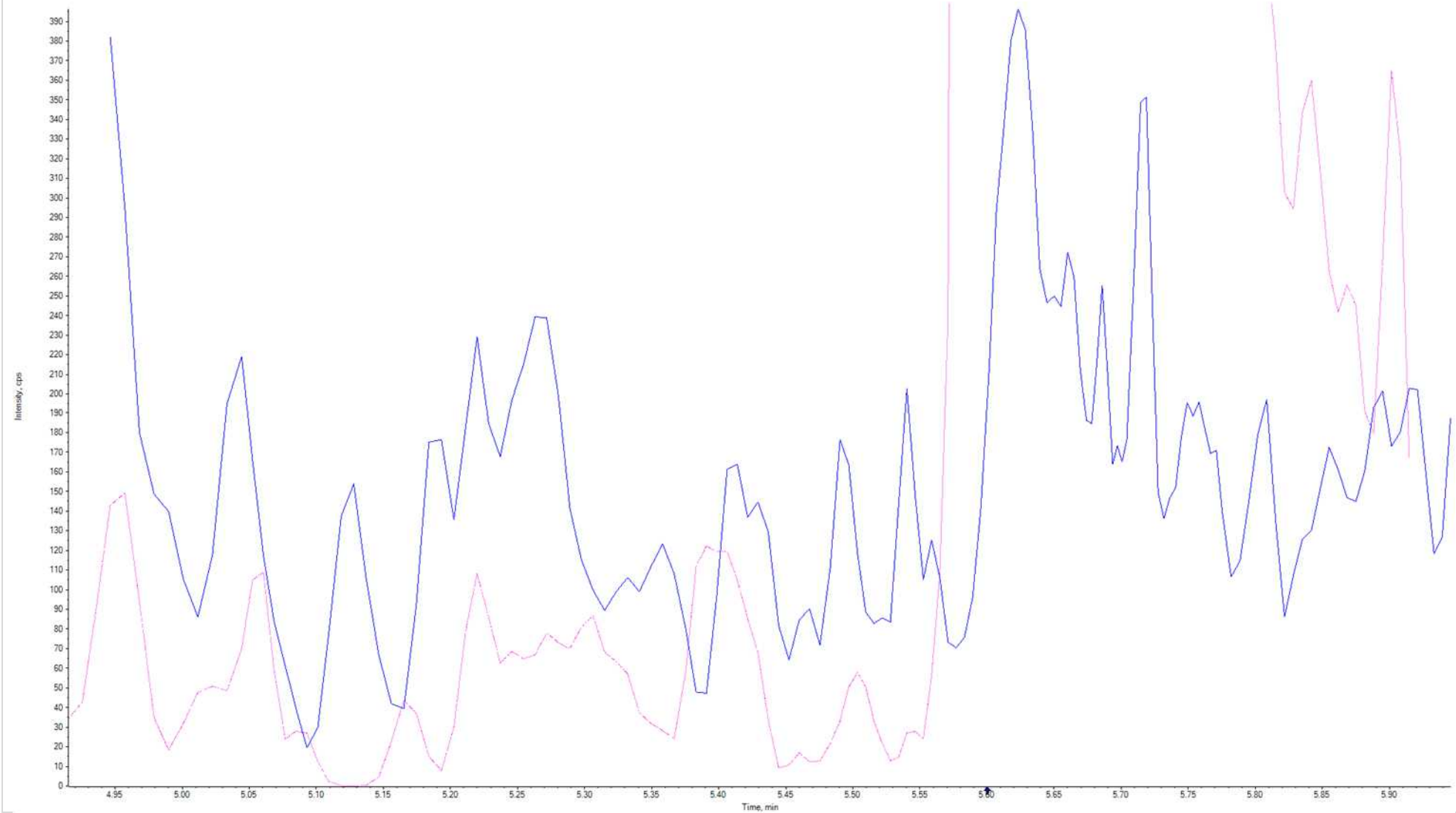


HFPO-DA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



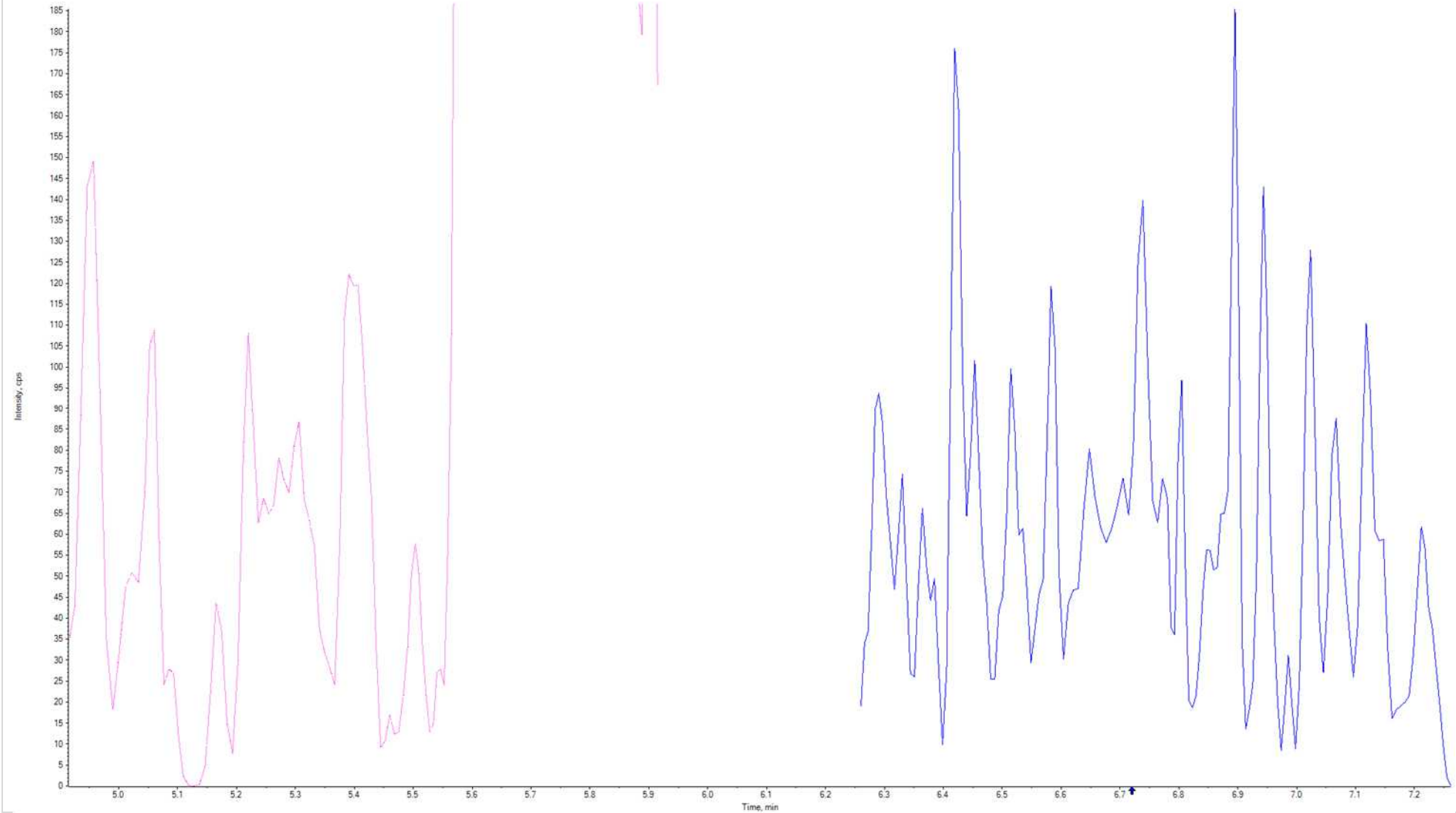
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

HFPO-DA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

ADONA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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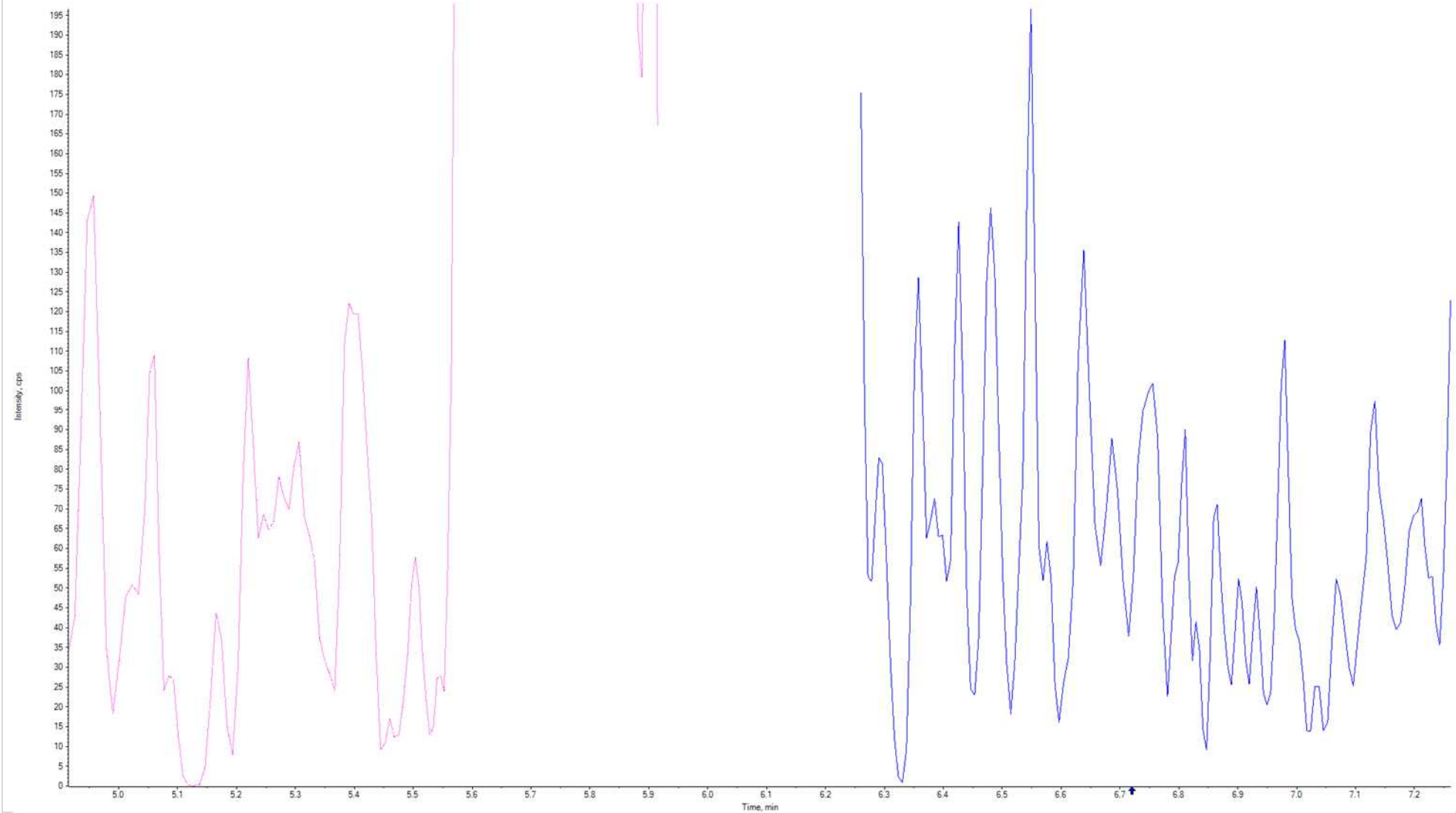
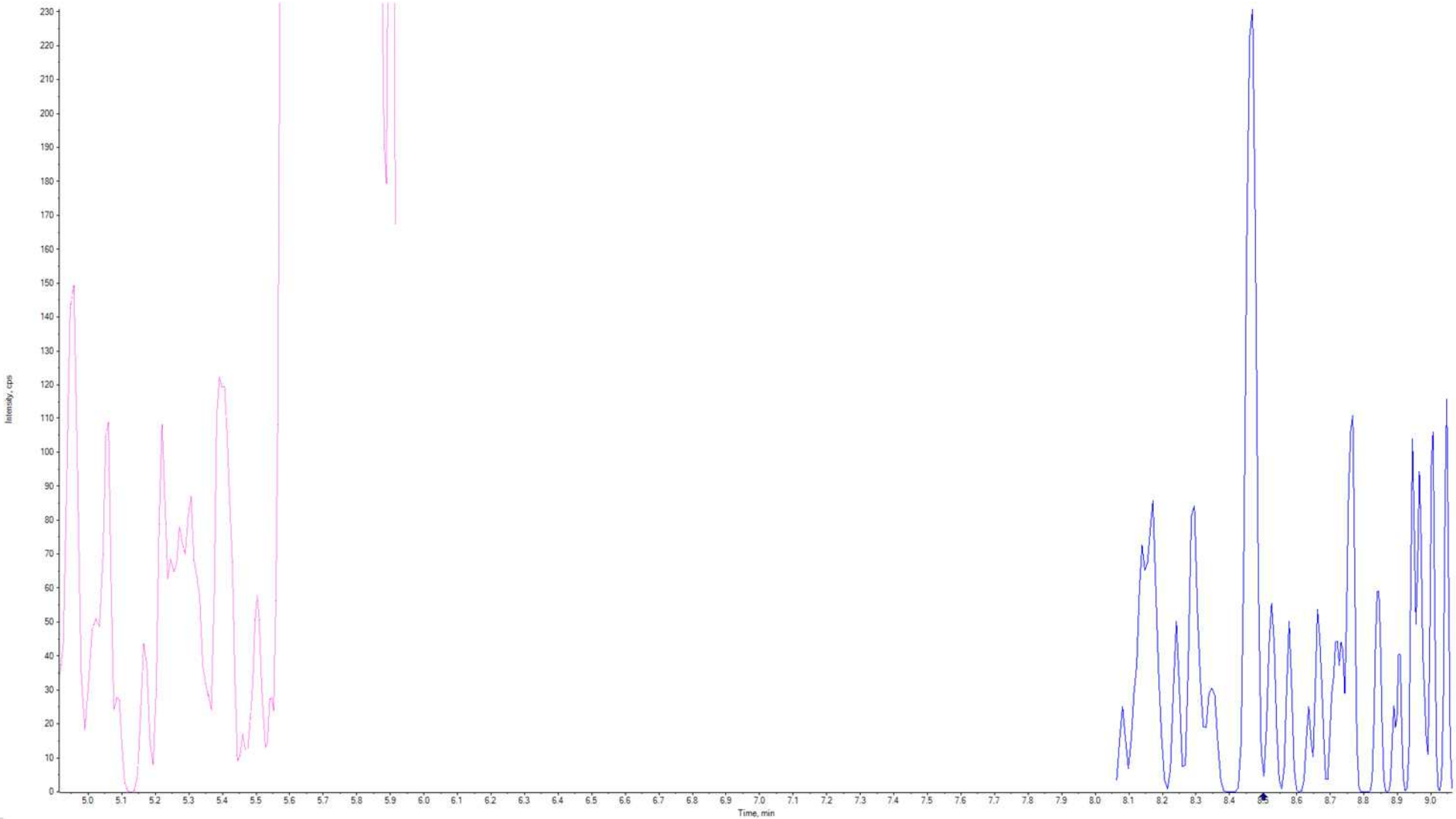
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

ADONA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

9Cl-PF3ONS
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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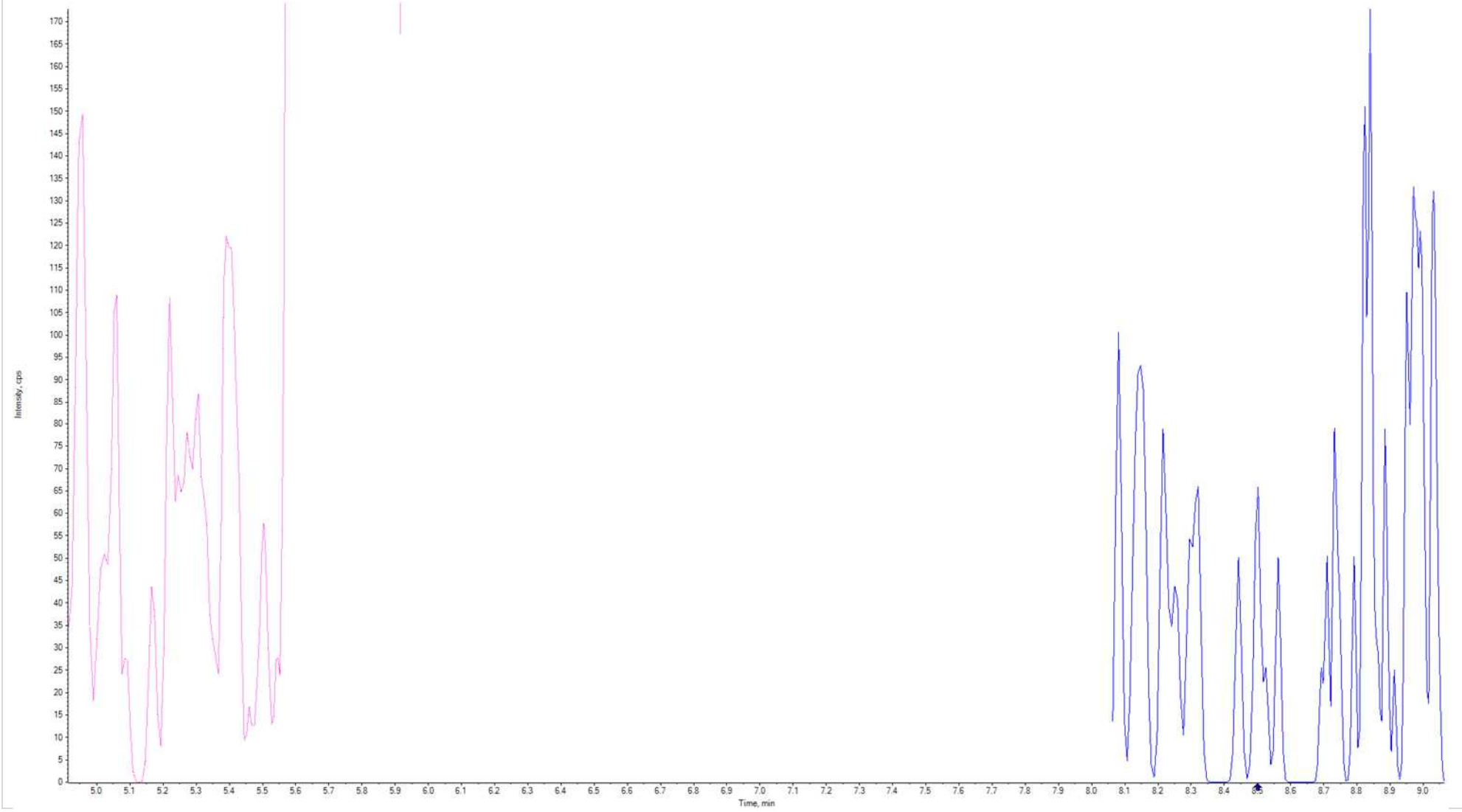
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

9Cl-PF3ONS_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



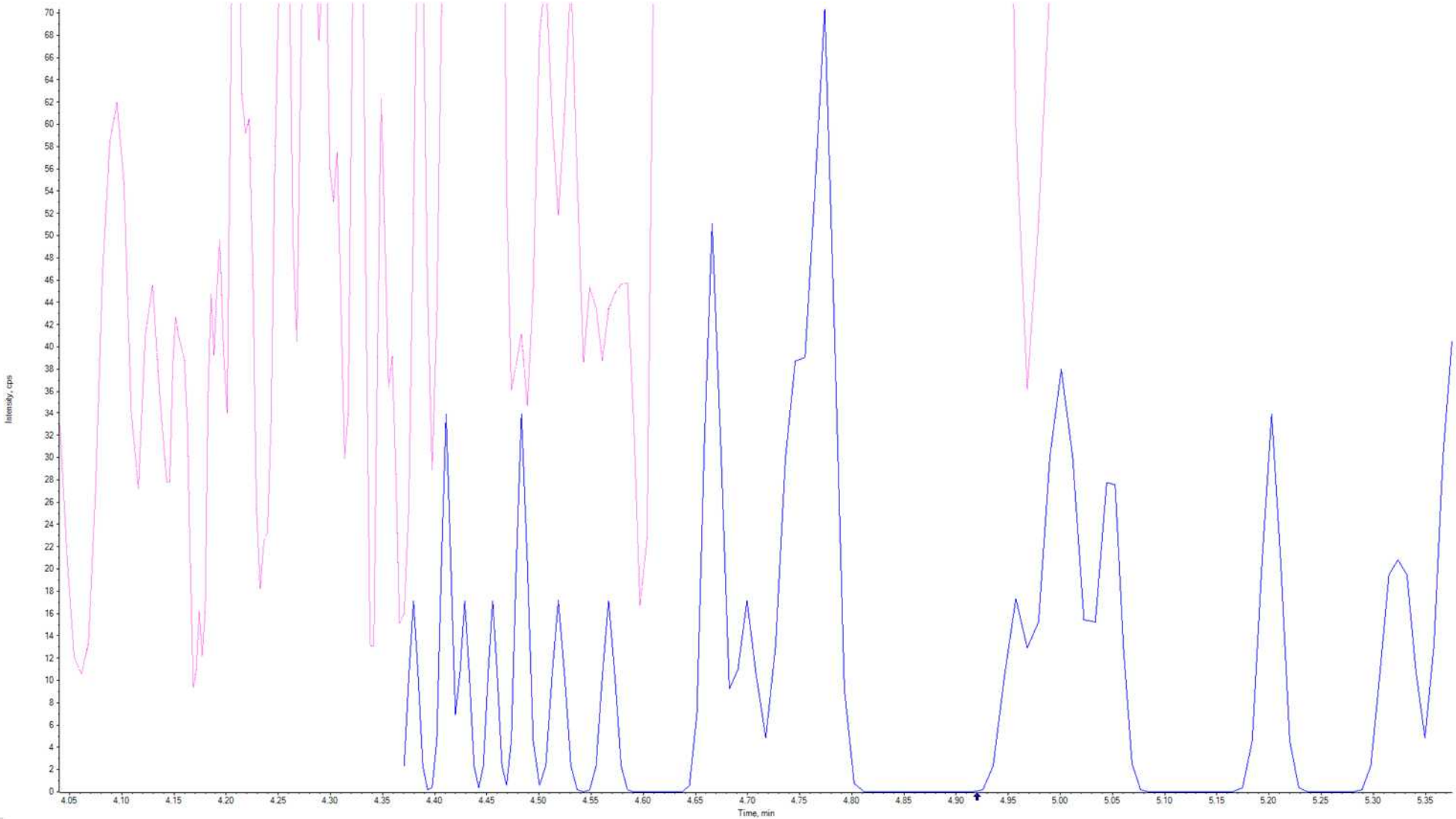
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

11Cl-PF3OUdS
Sample: L2447503-05 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

11Cl-PF3OUdS_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A

3:3FTCA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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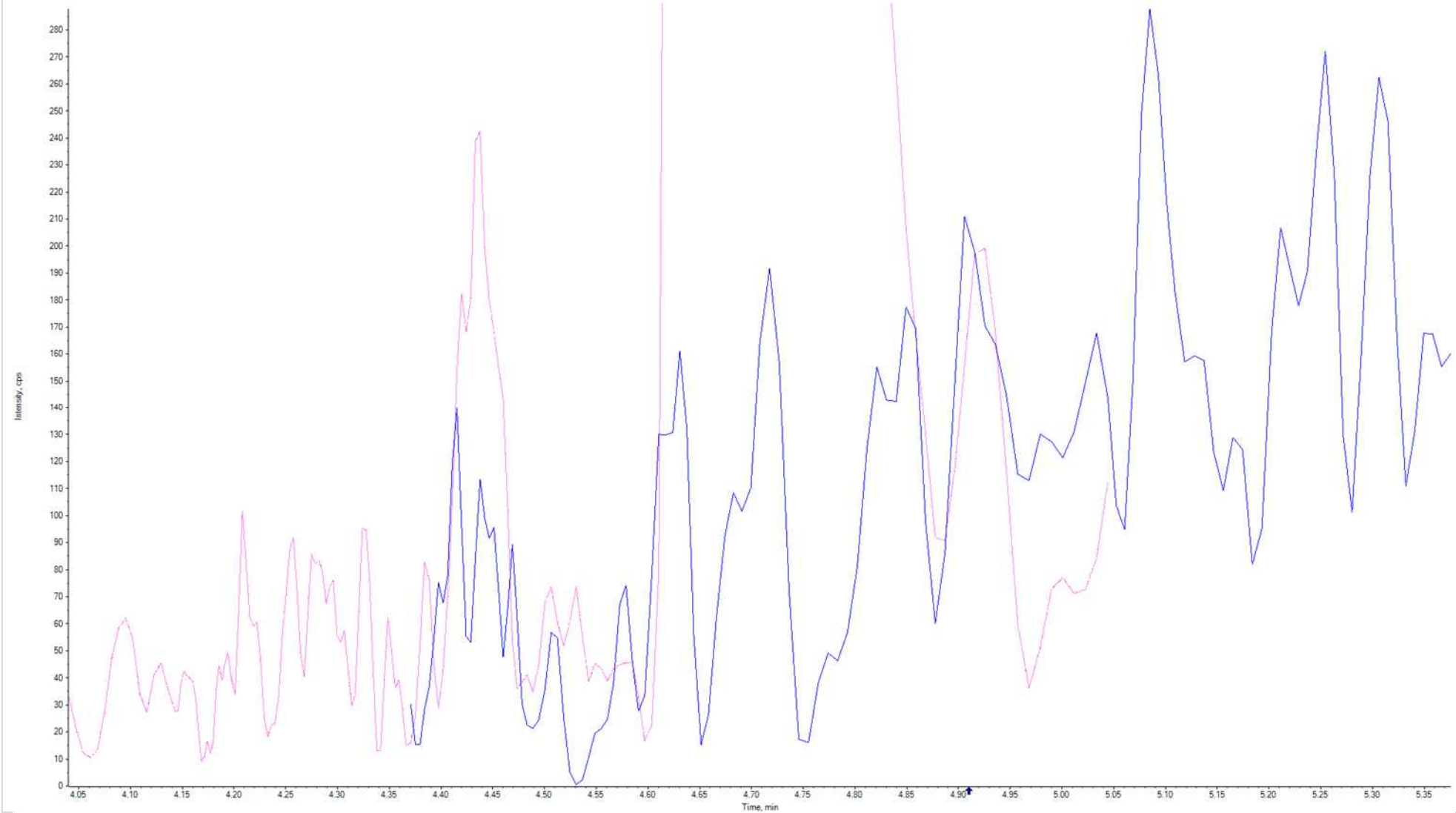
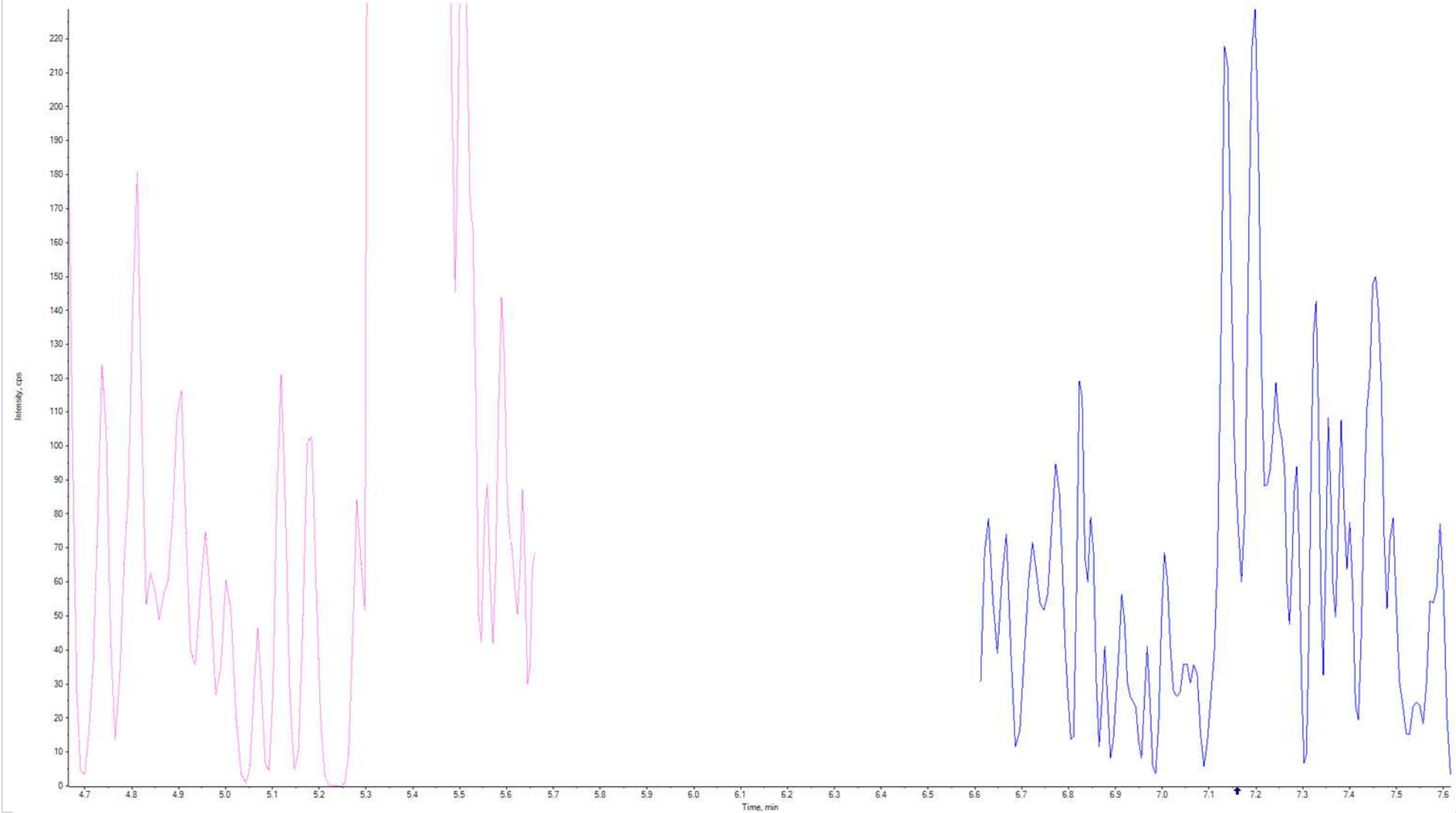
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

3:3FTCA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

5:3FTCA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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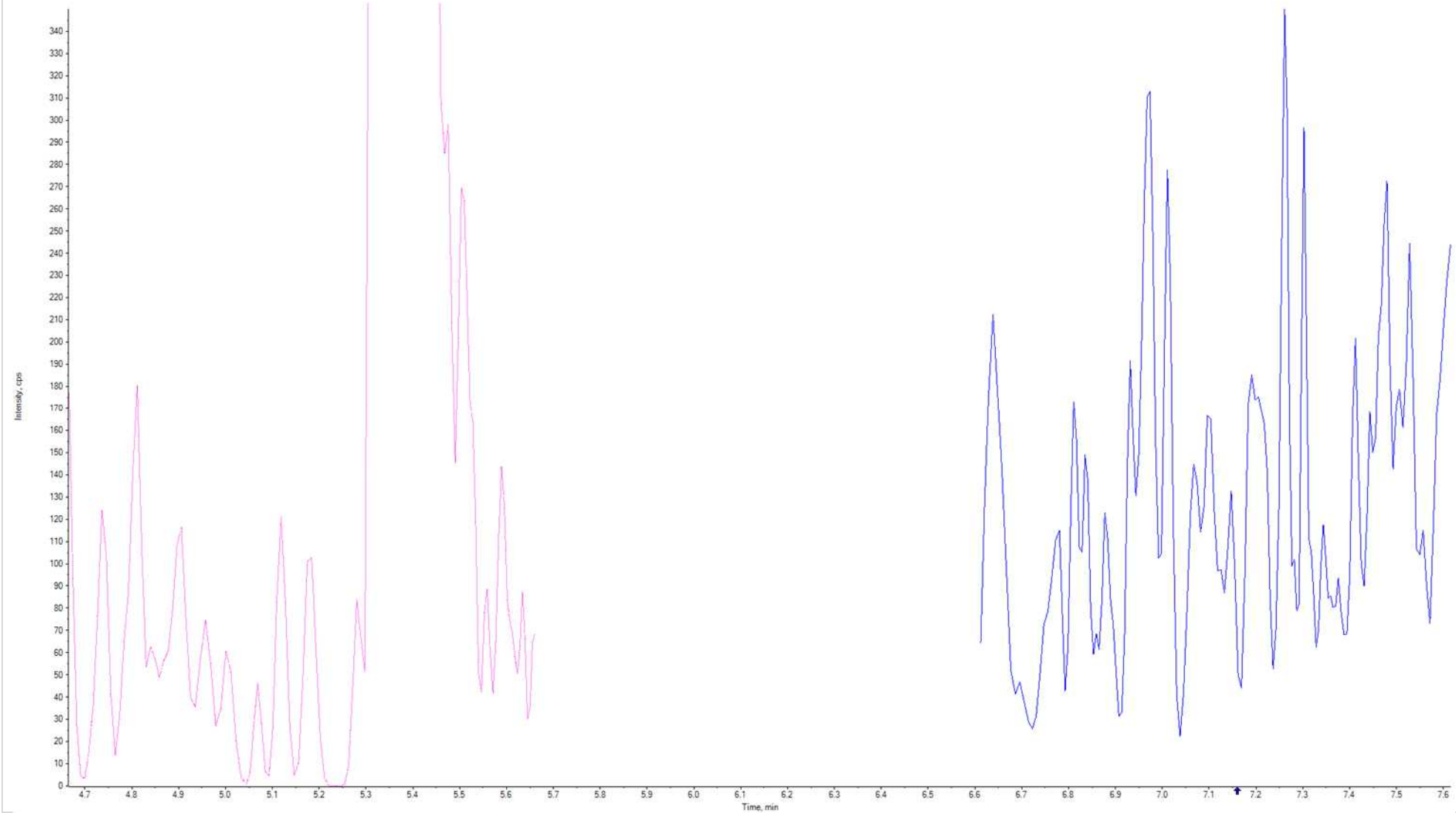
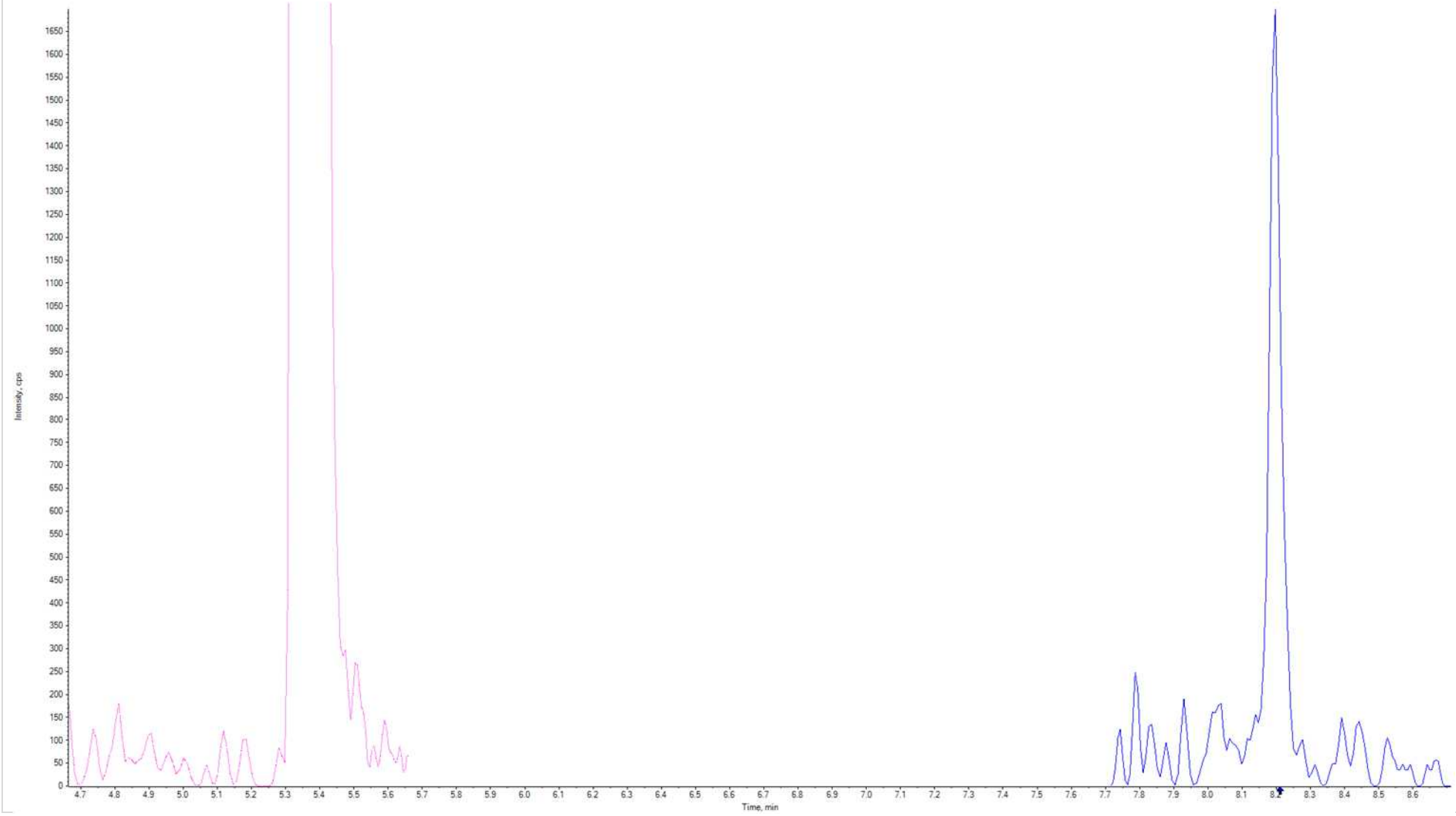
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

5:3FTCA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

7:3FTCA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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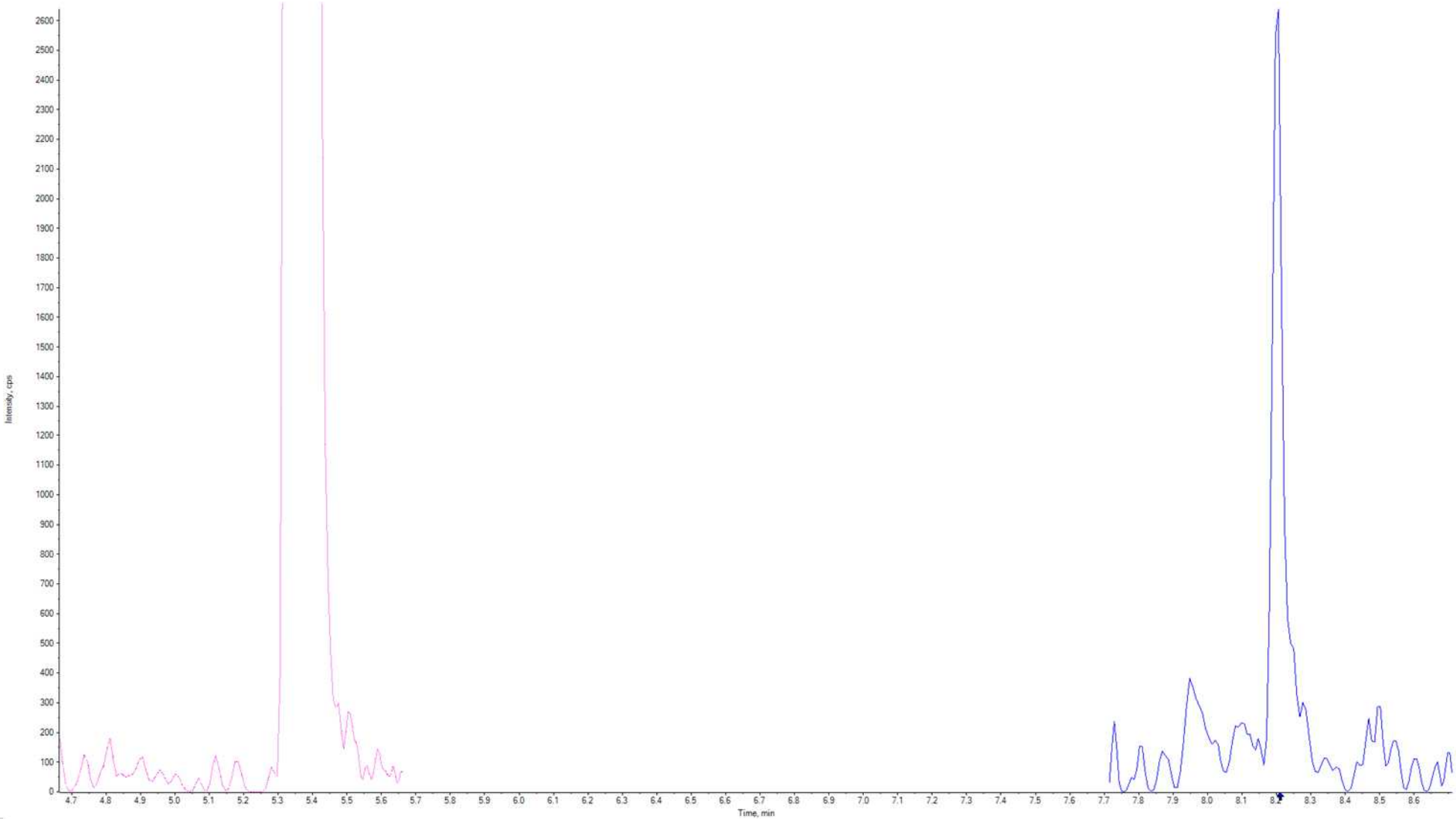
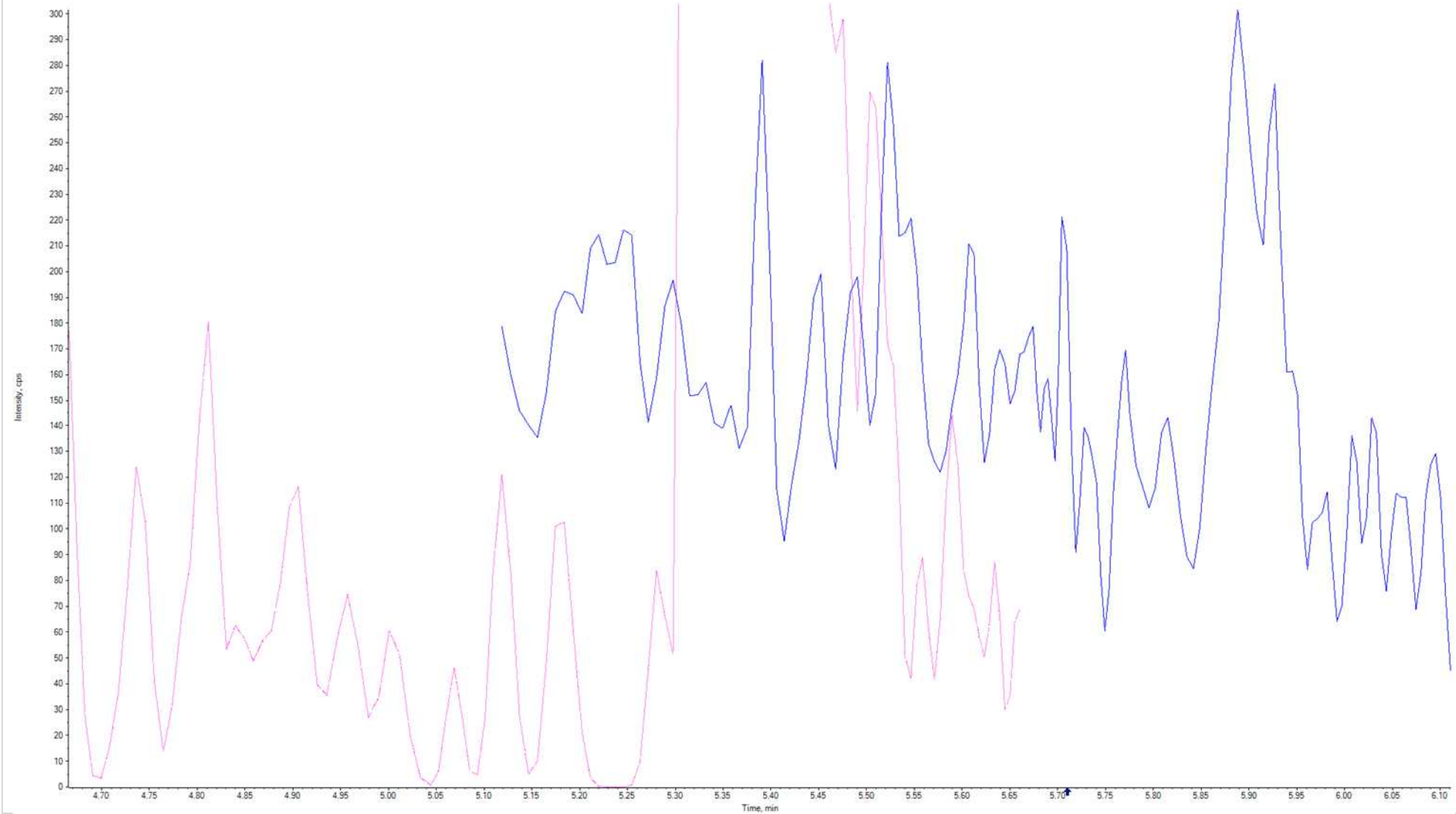
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

7:3FTCA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



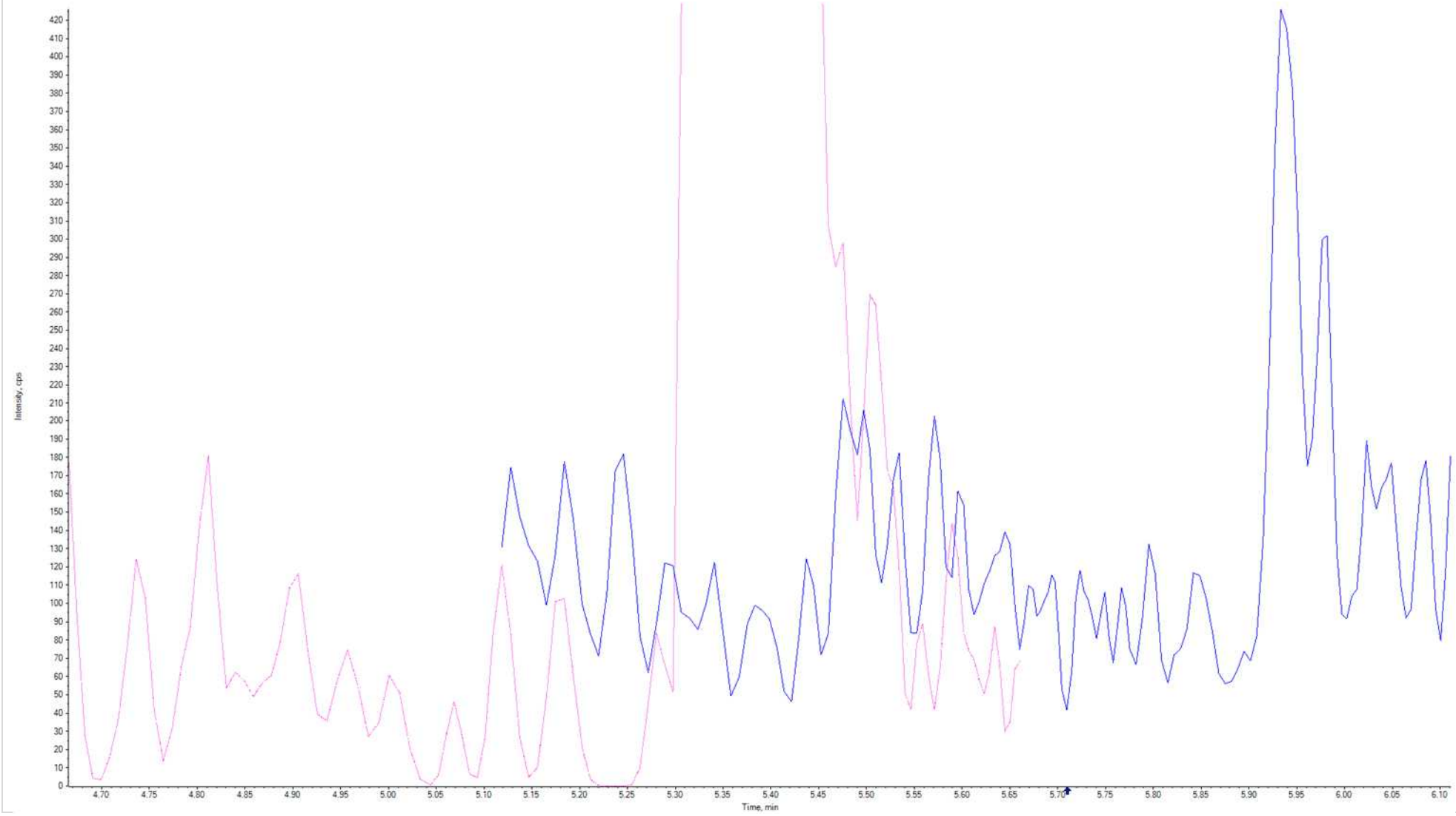
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFEESA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFEESA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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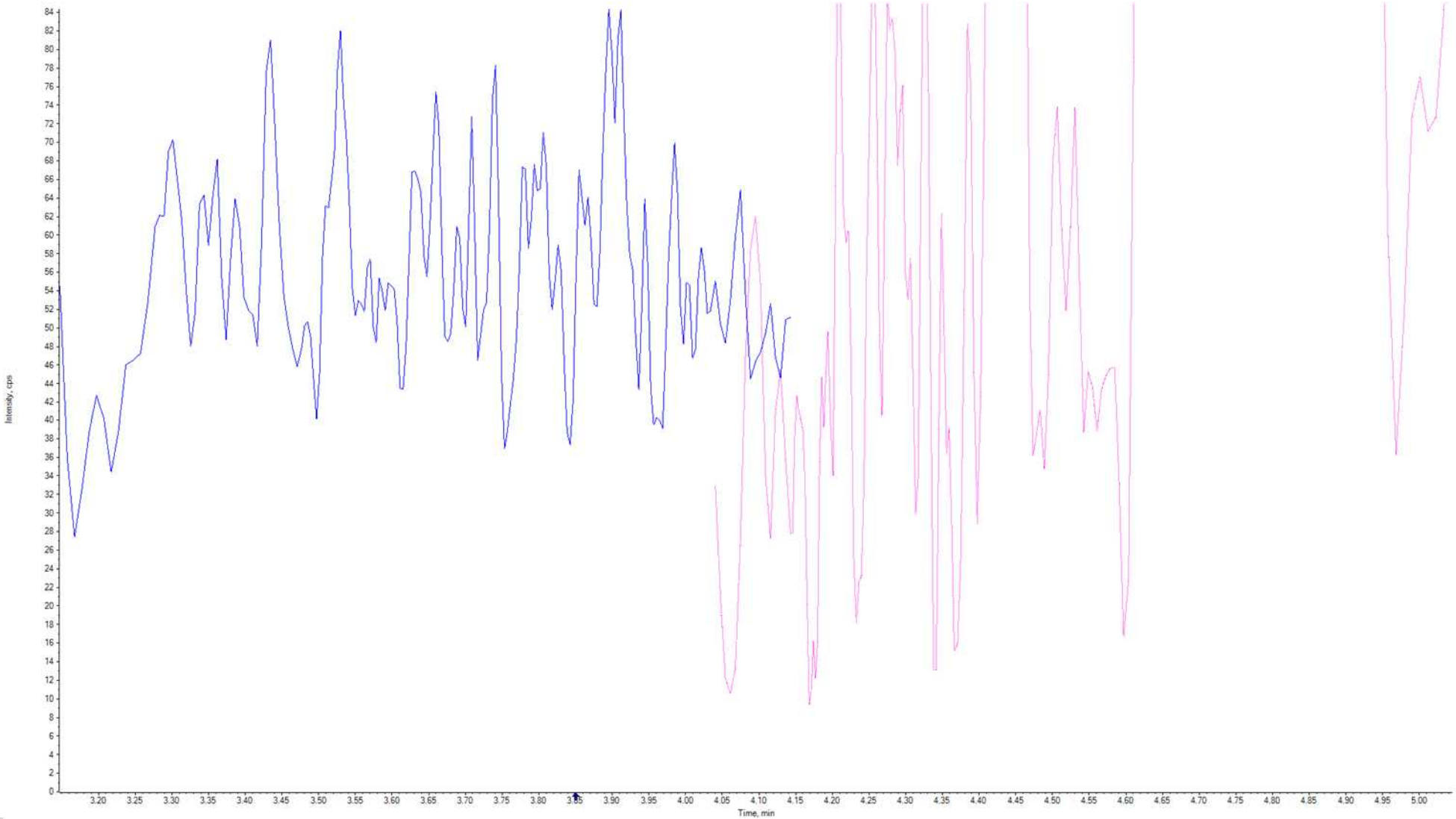
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFMPA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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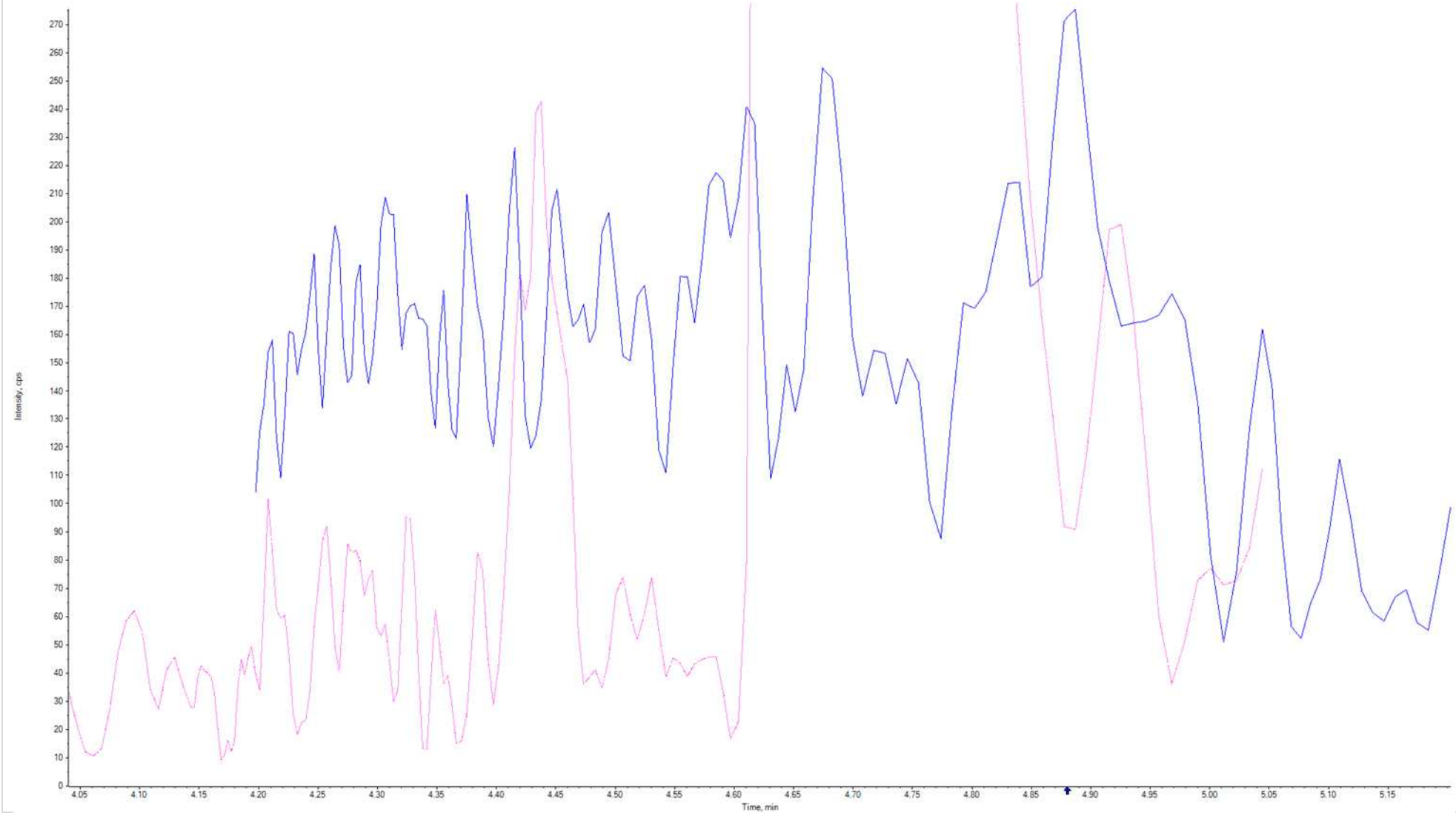
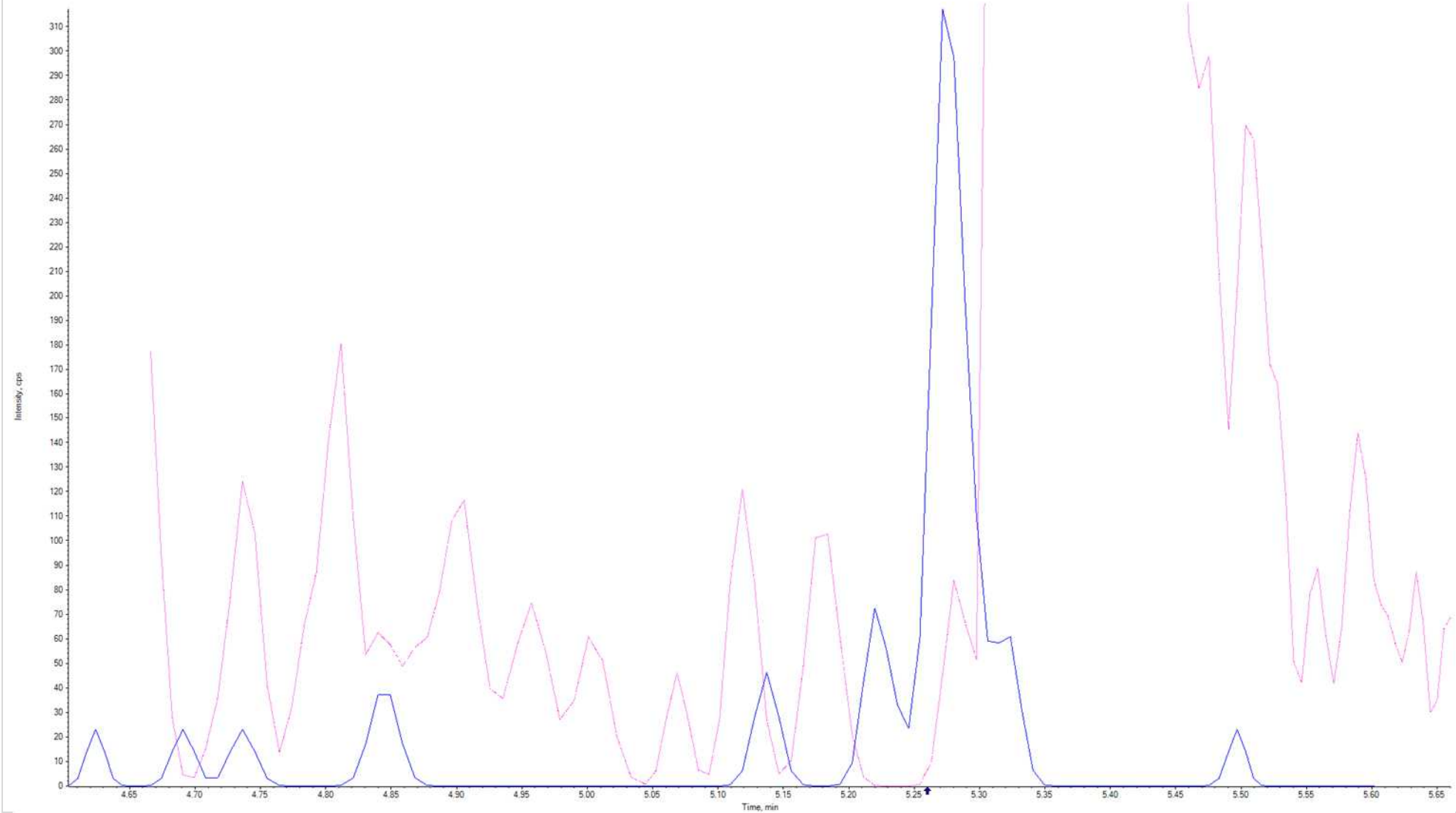
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFMBA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A

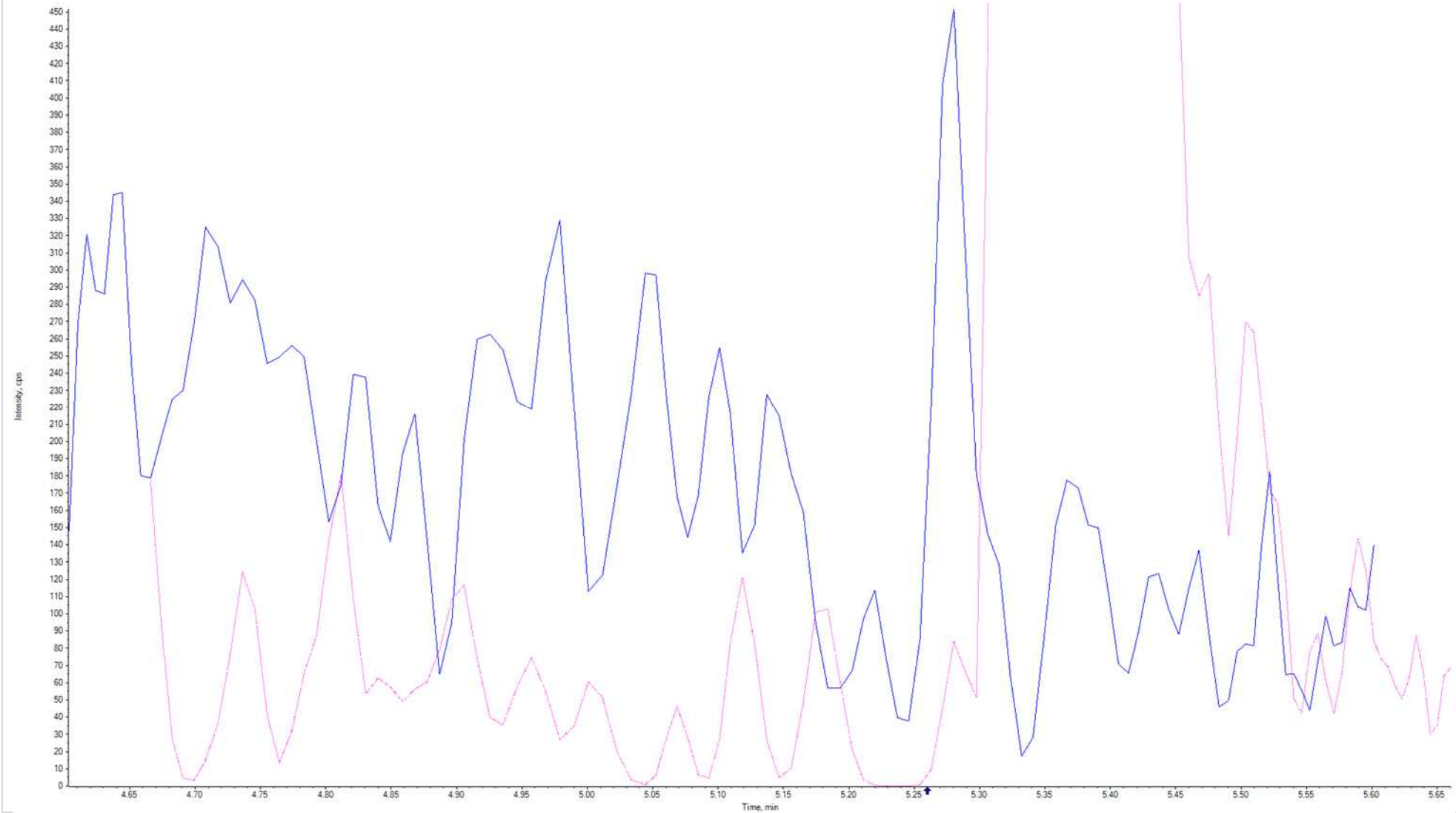


NFDHA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



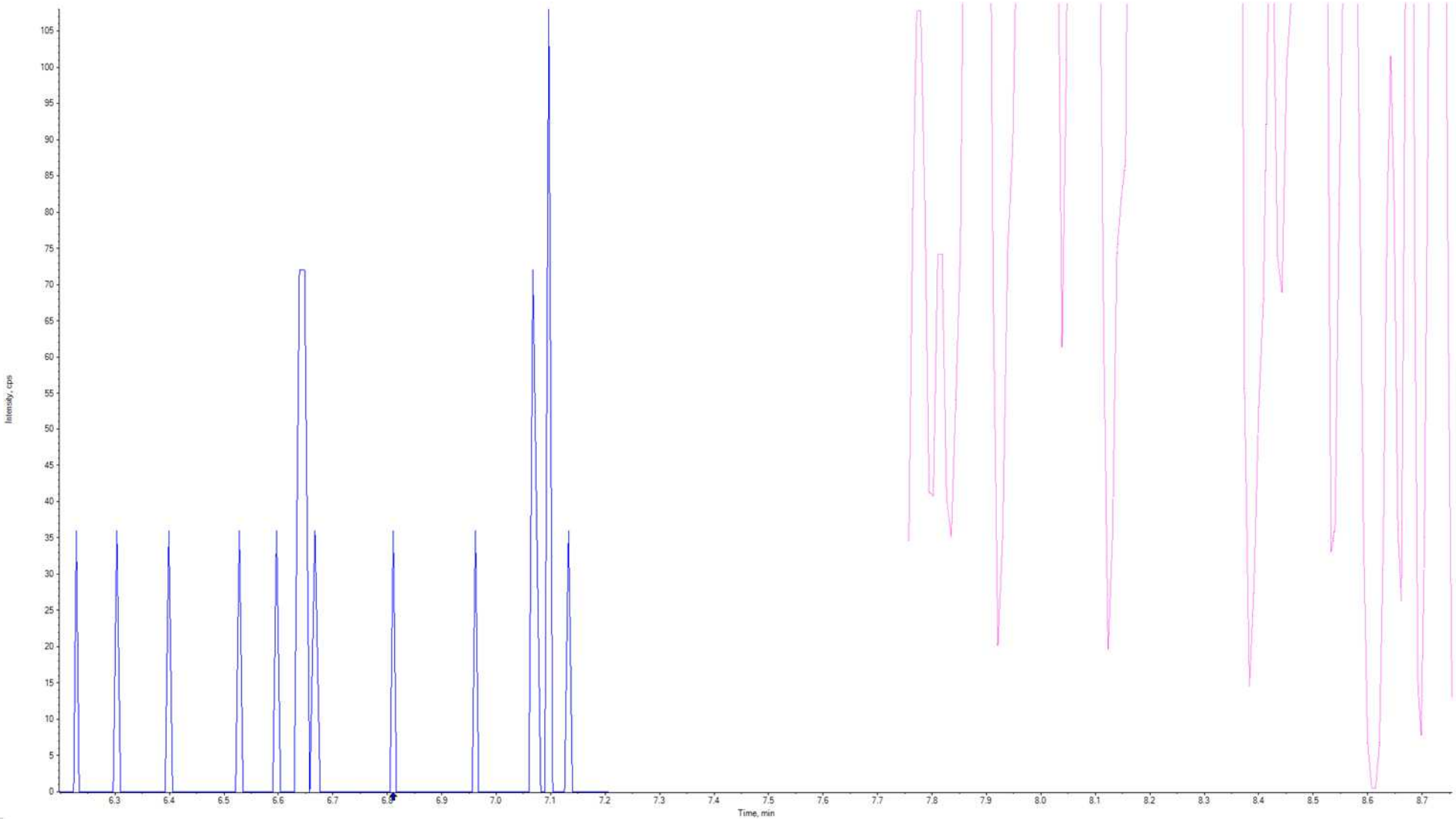
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NFDHA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

TDCA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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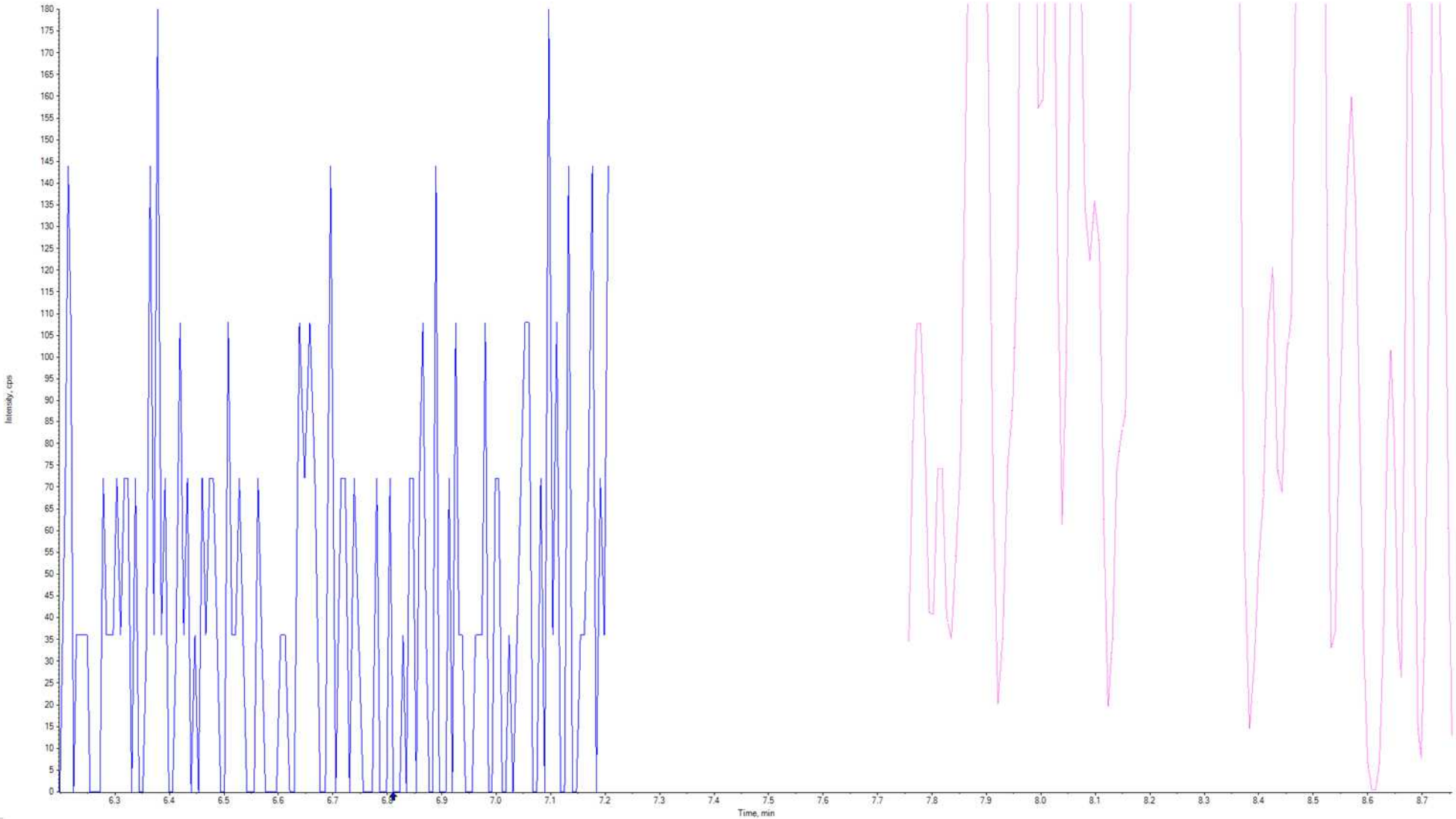
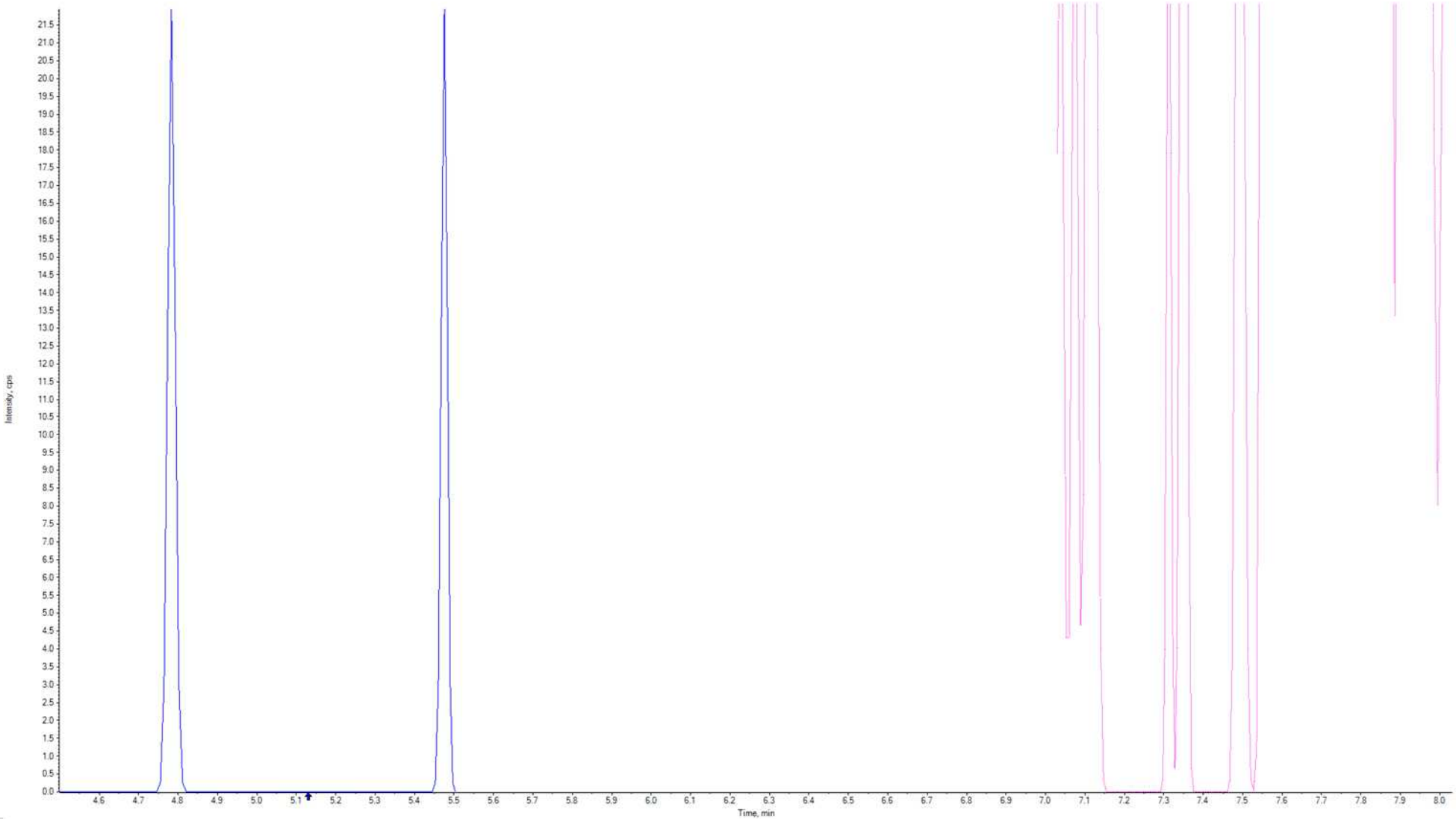
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

TDCA_2
Sample: L2447503-05 S/N:N/A Points Across peak:N/A

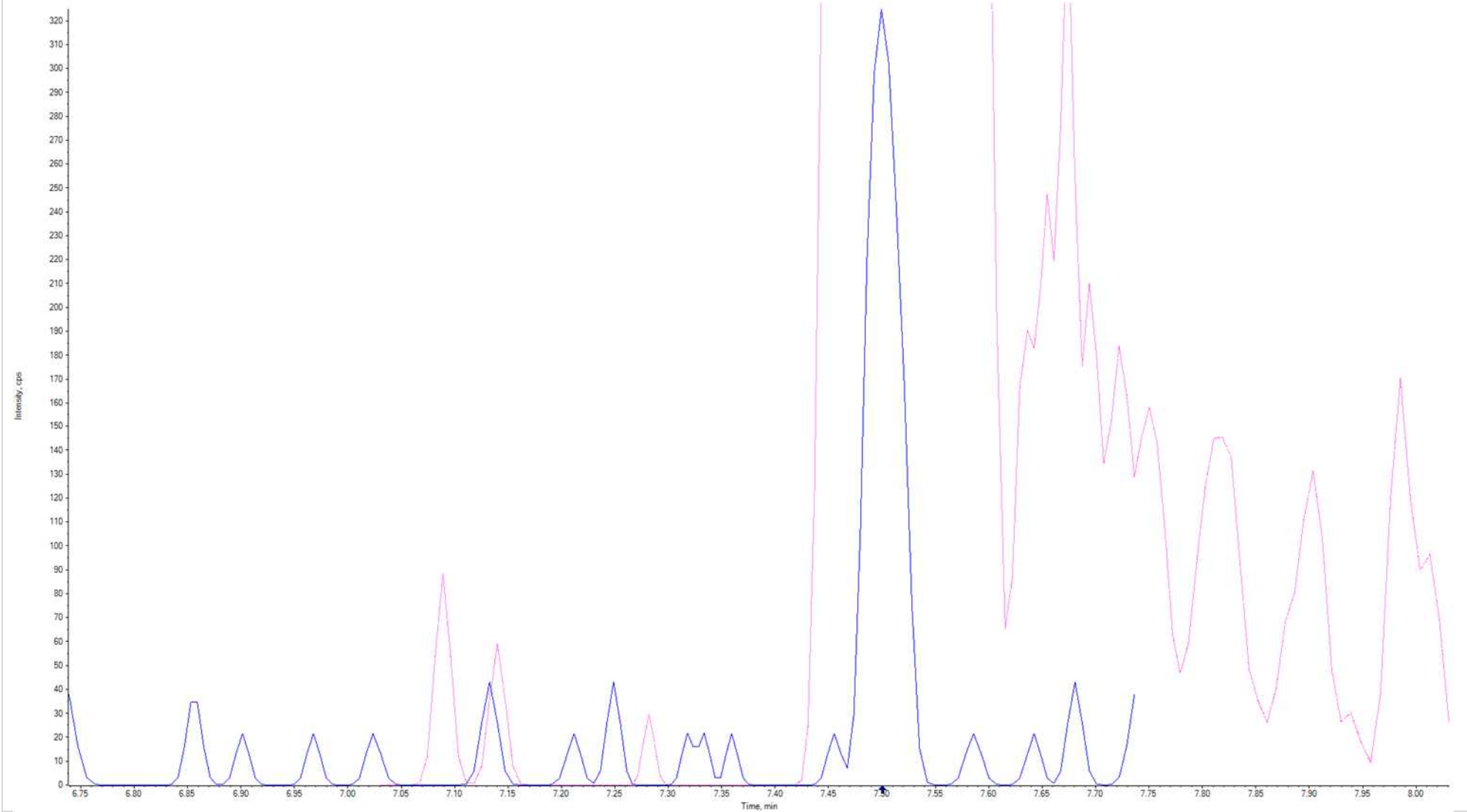


13C2D4-4:2FTS
Sample: L2447503-05 S/N:N/A Points Across peak:N/A

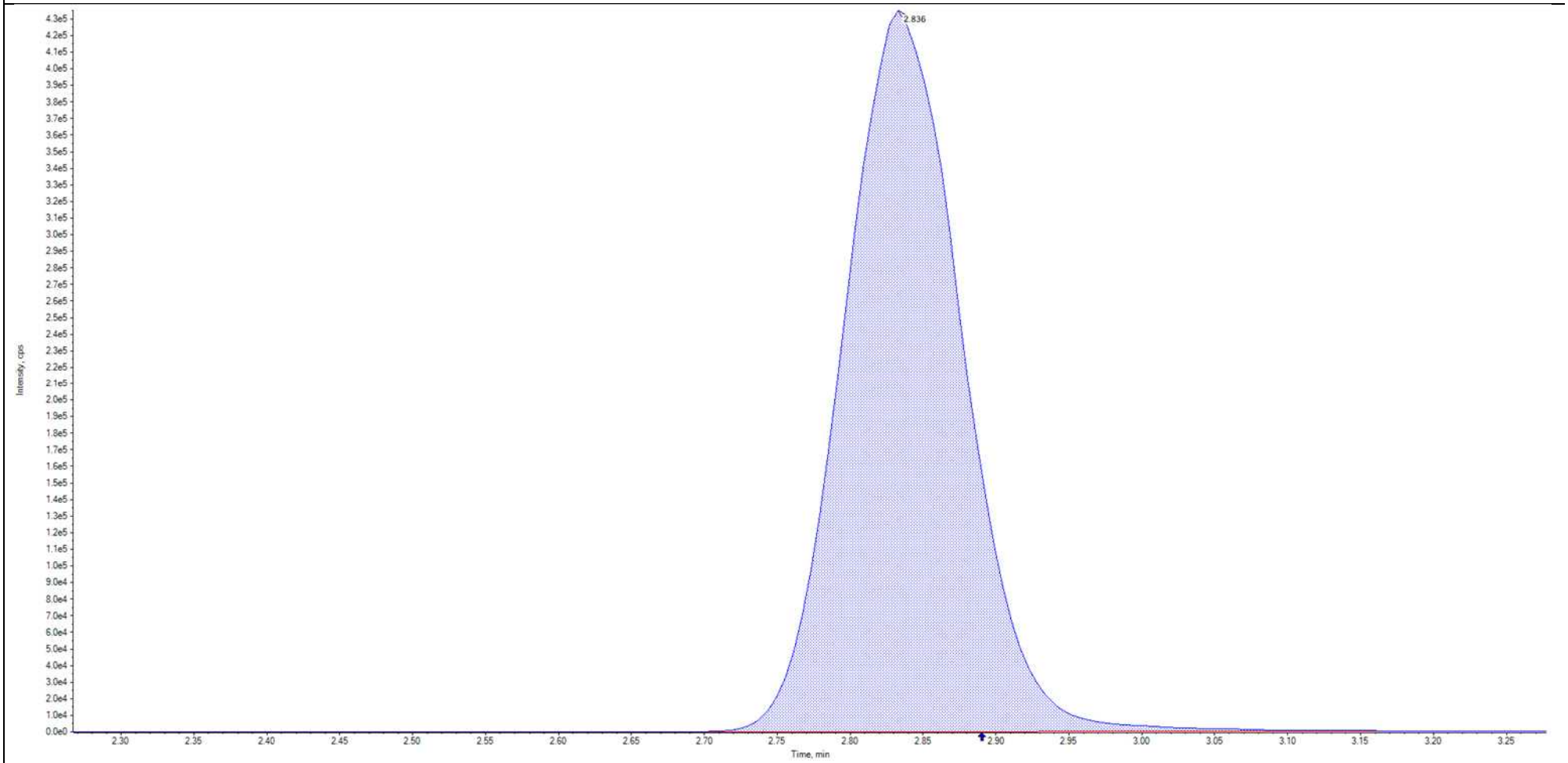


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

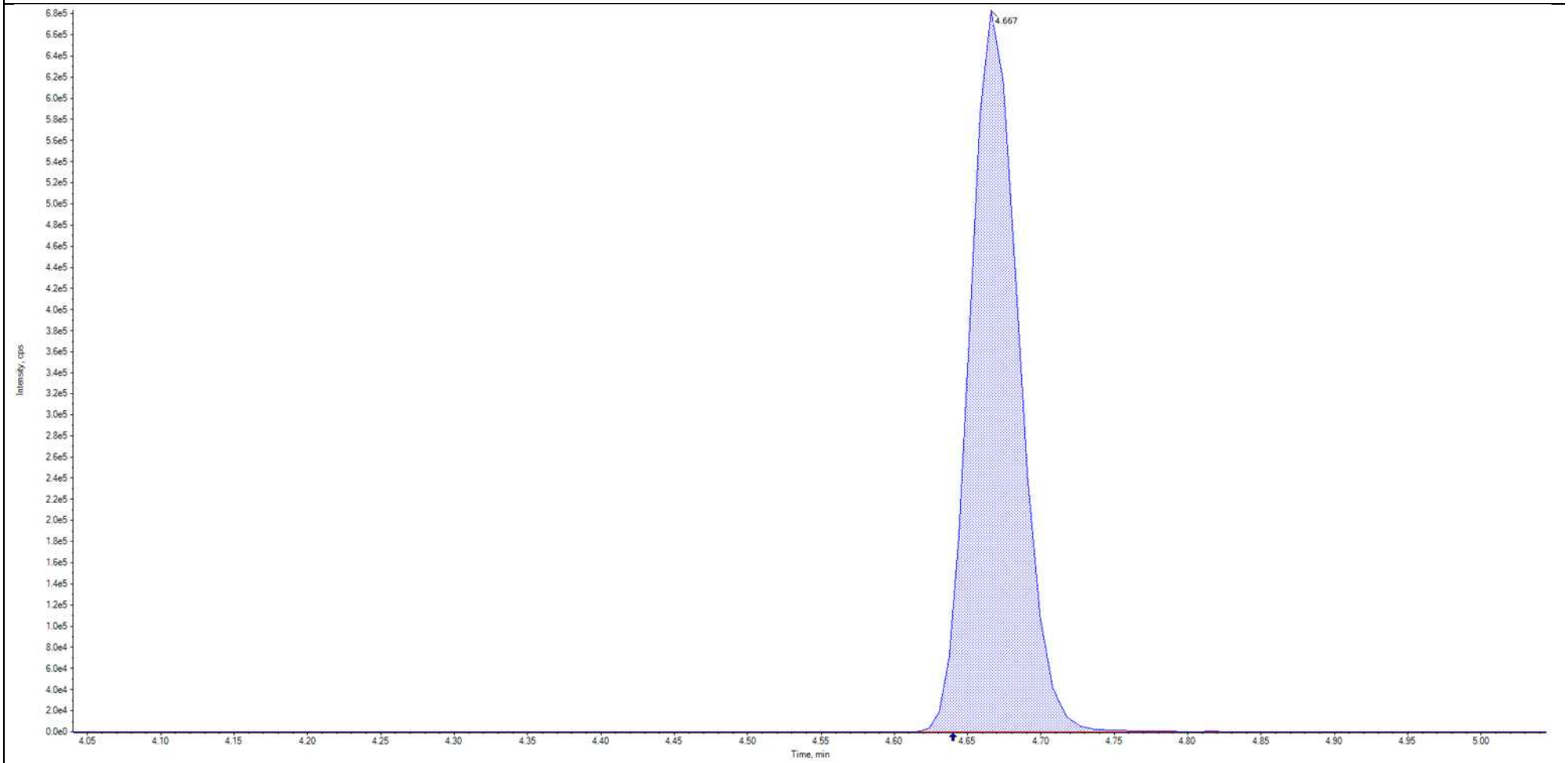
13C2-PFOA
Sample: L2447503-05 S/N:N/A Points Across peak:N/A



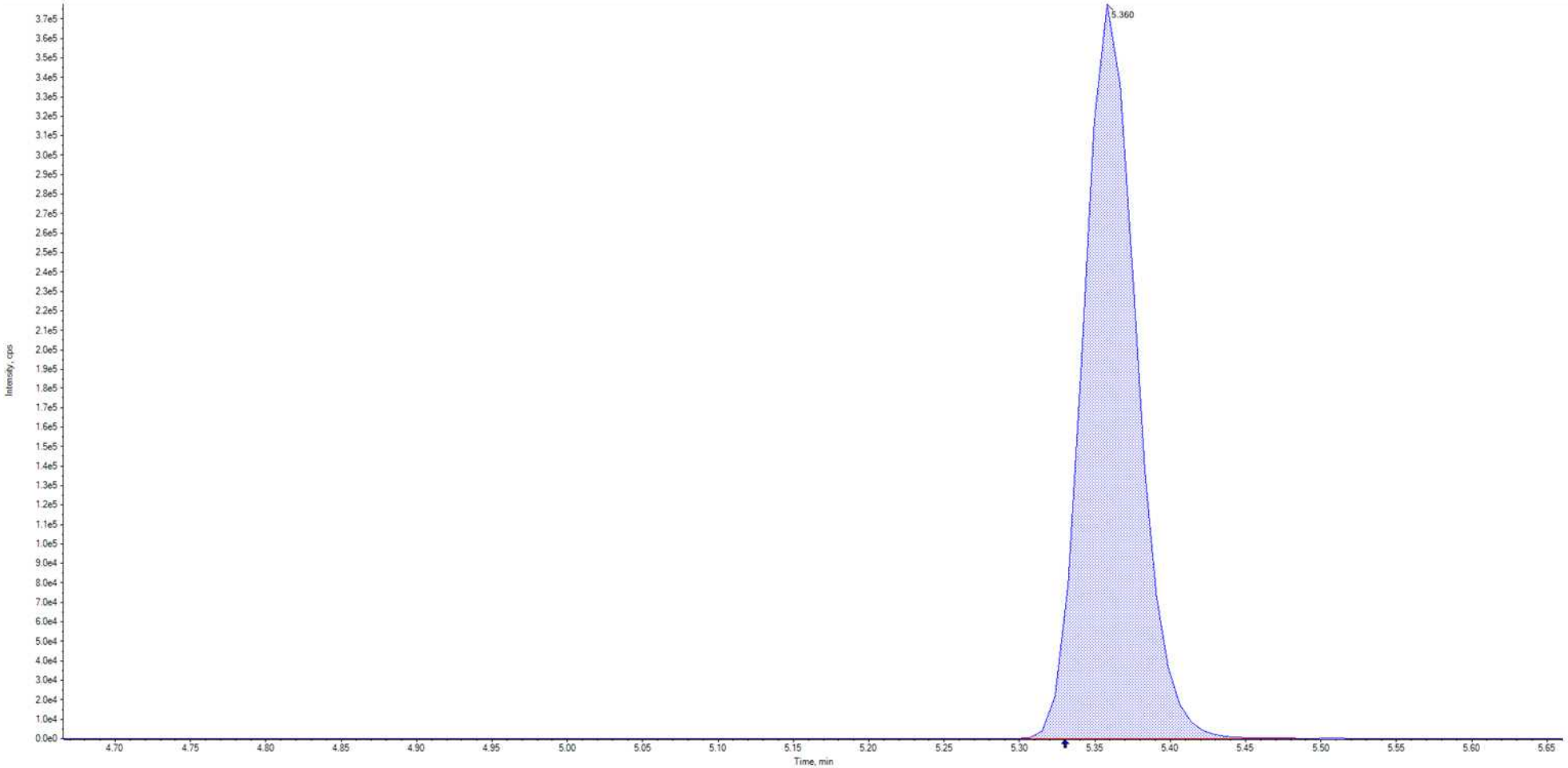
13C4-PFBA
Sample: L2447503-05



13C5-PFPeA
Sample: L2447503-05



13C5-PFHxA
Sample: L2447503-05



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
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Generated: 9/17/2024 6:15:27 AM

13C4-PFHpA
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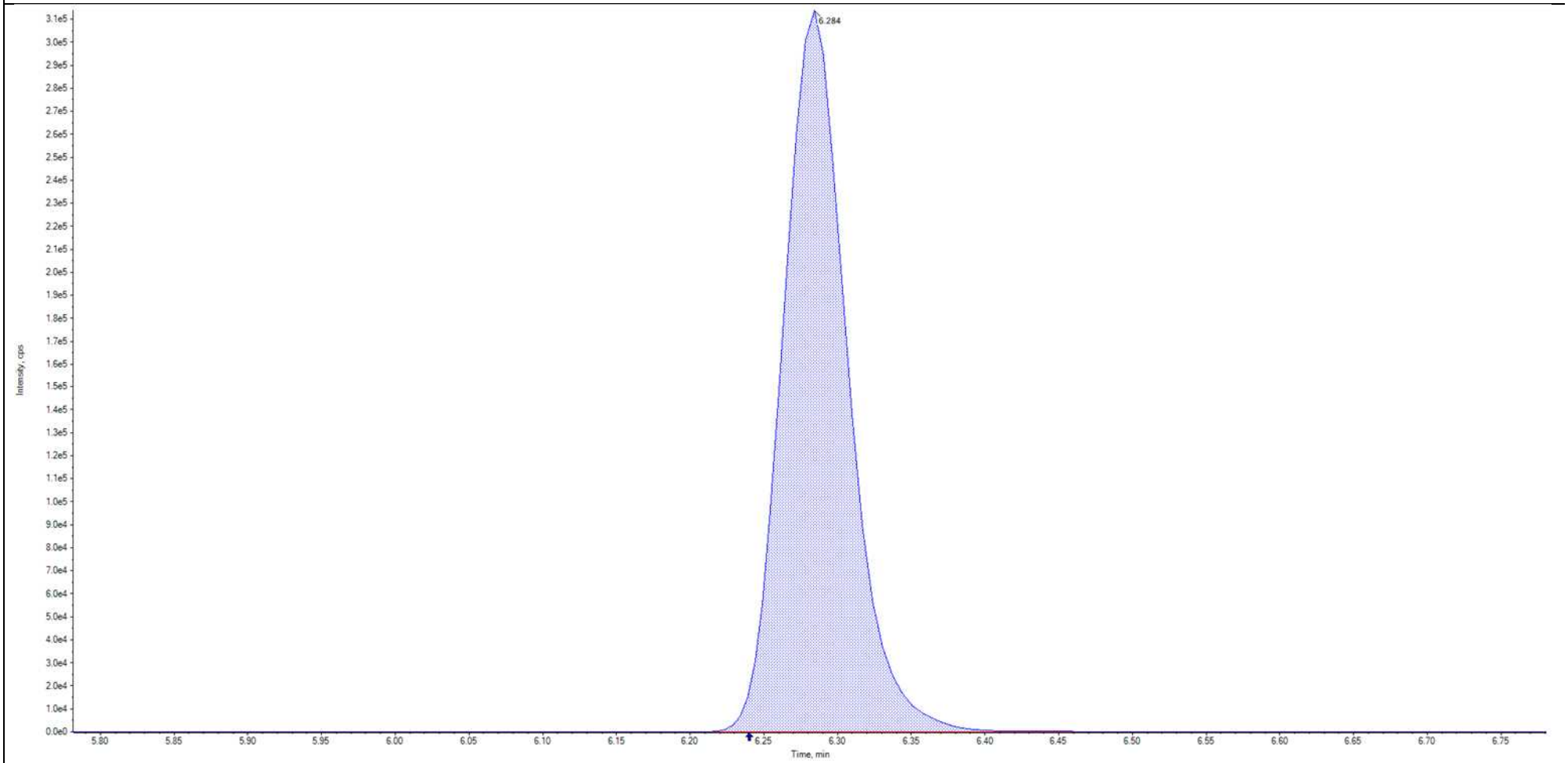
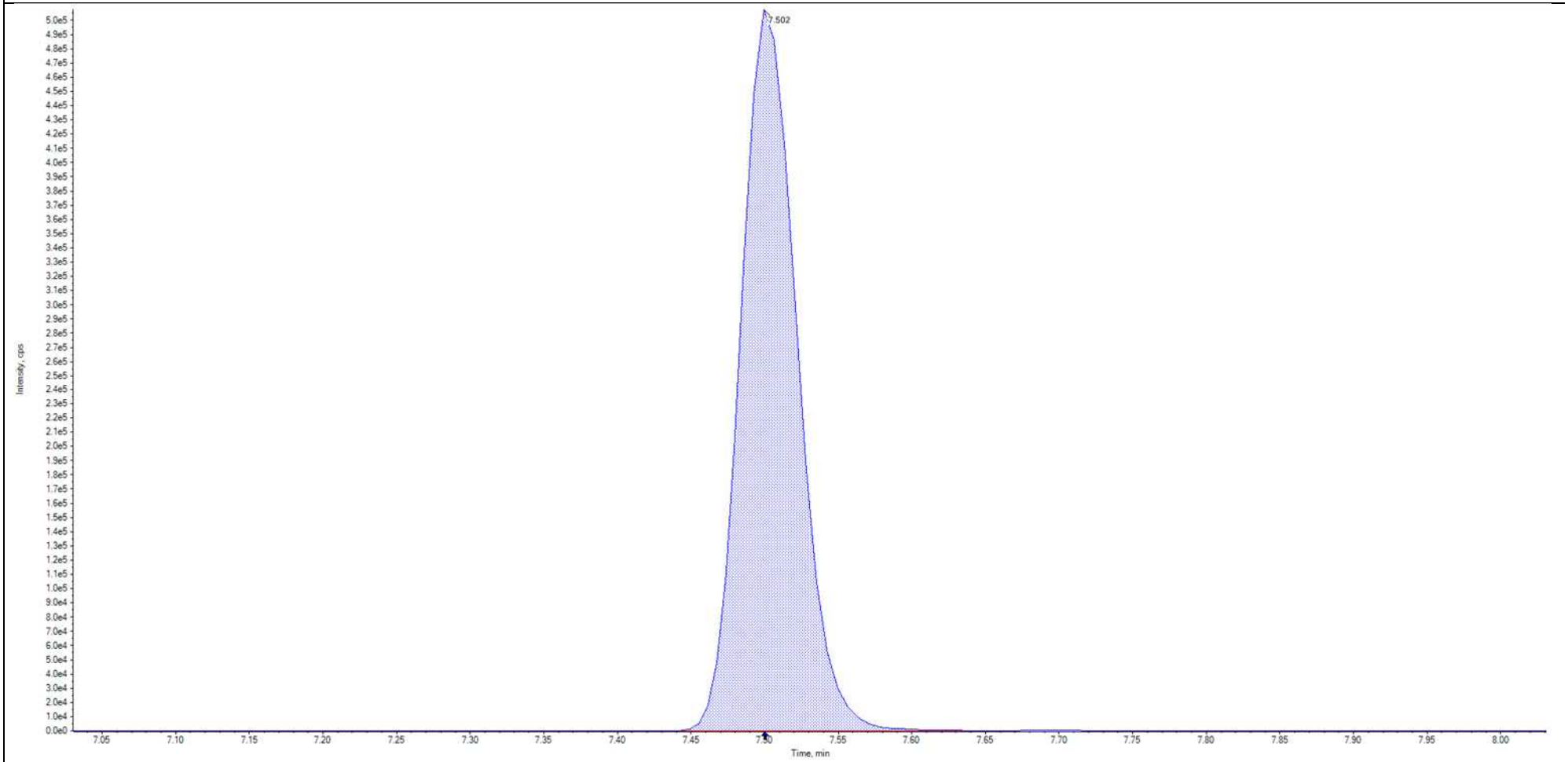
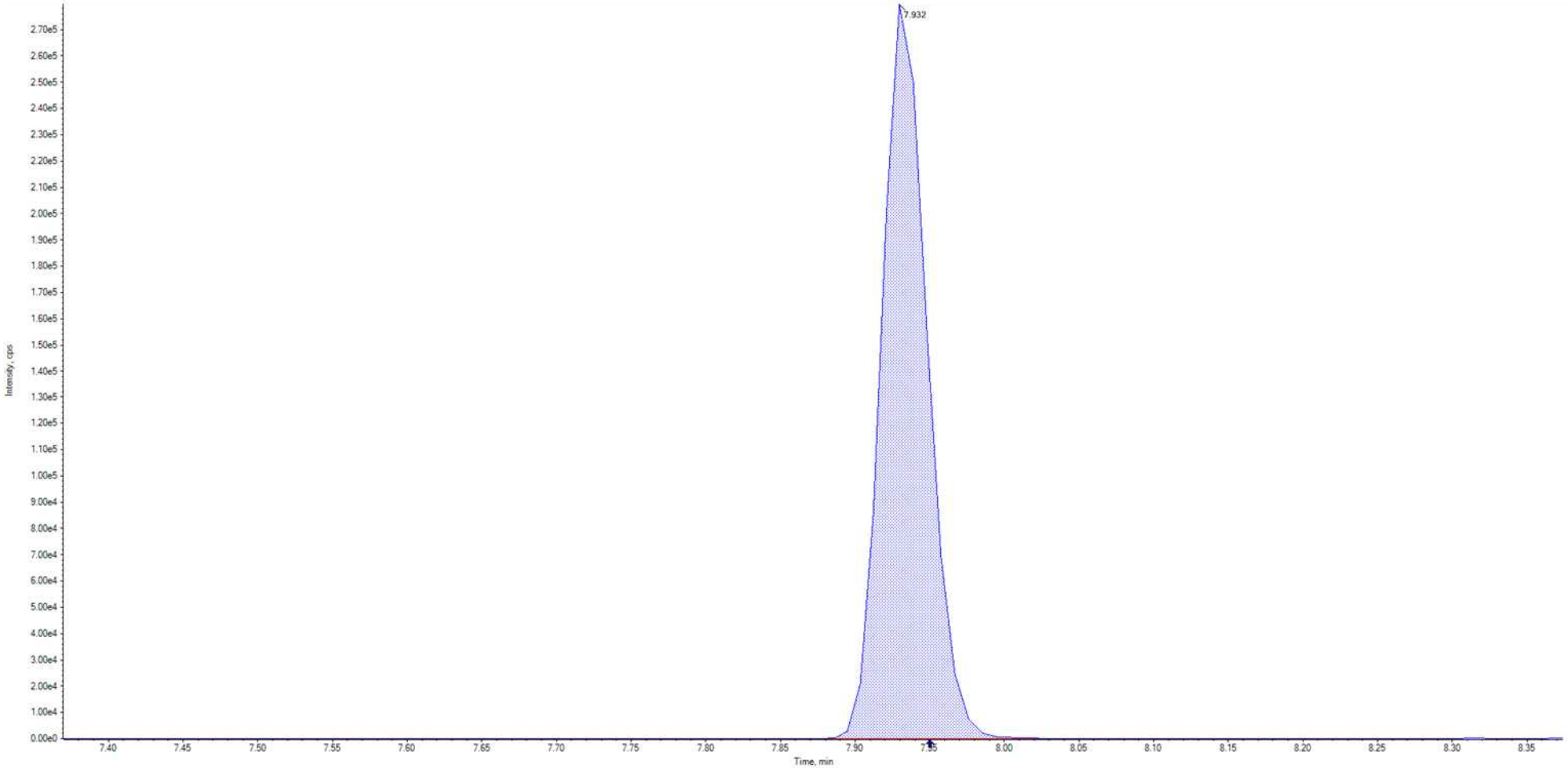


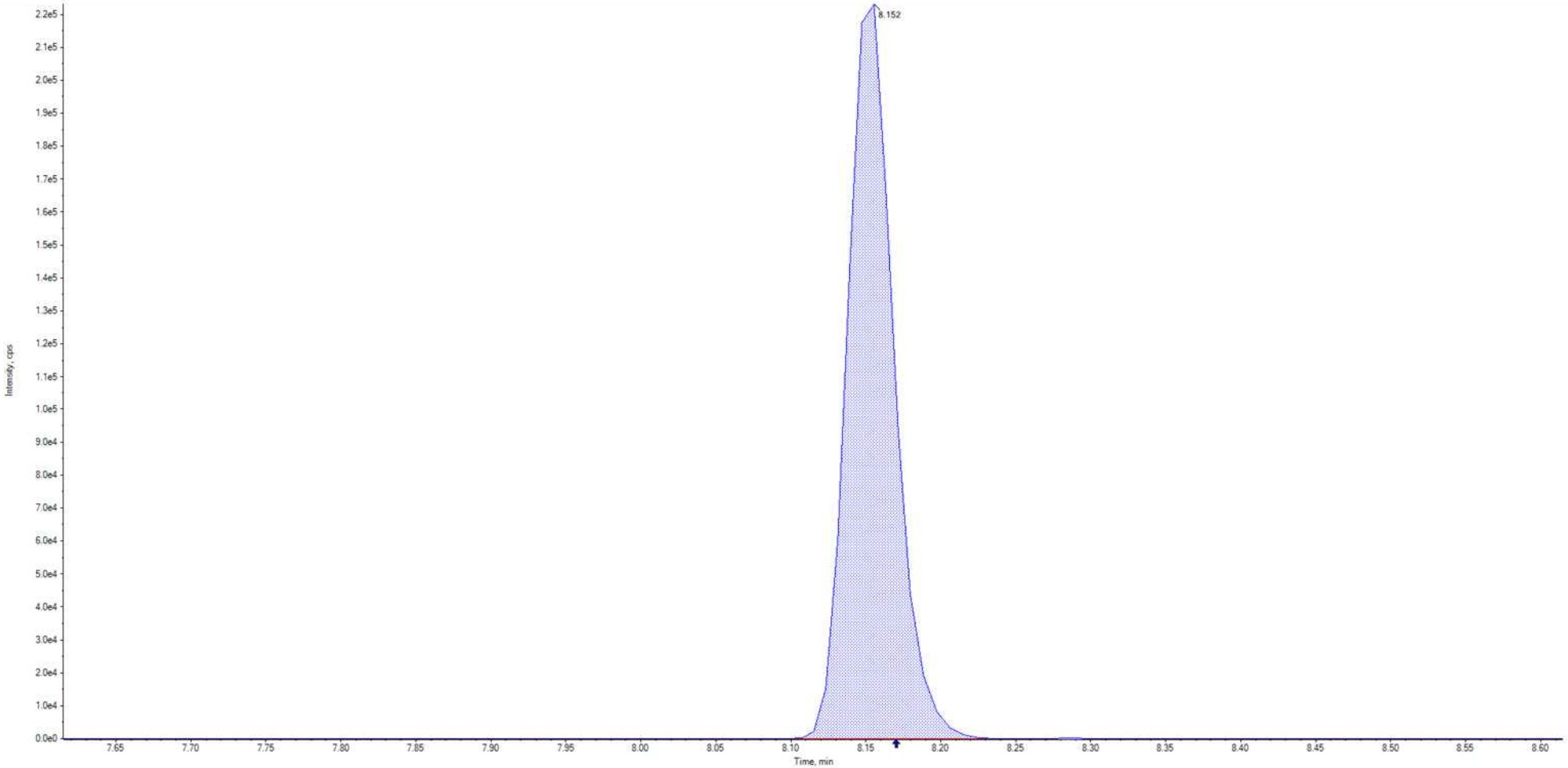
13C8-PFOA
Sample: L2447503-05



13C9-PFNA
Sample: L2447503-05



13C6-PFDA
Sample: L2447503-05



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
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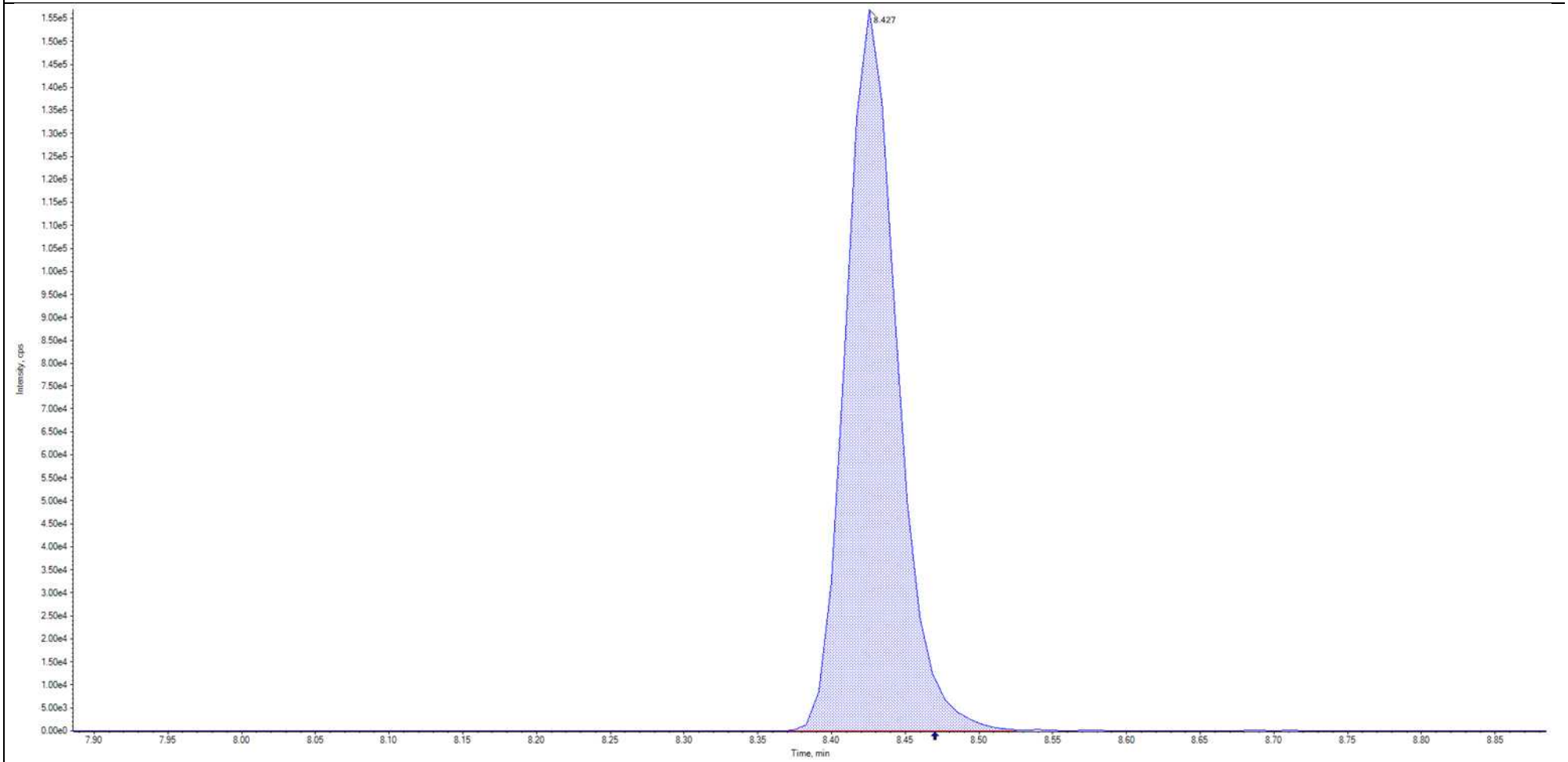
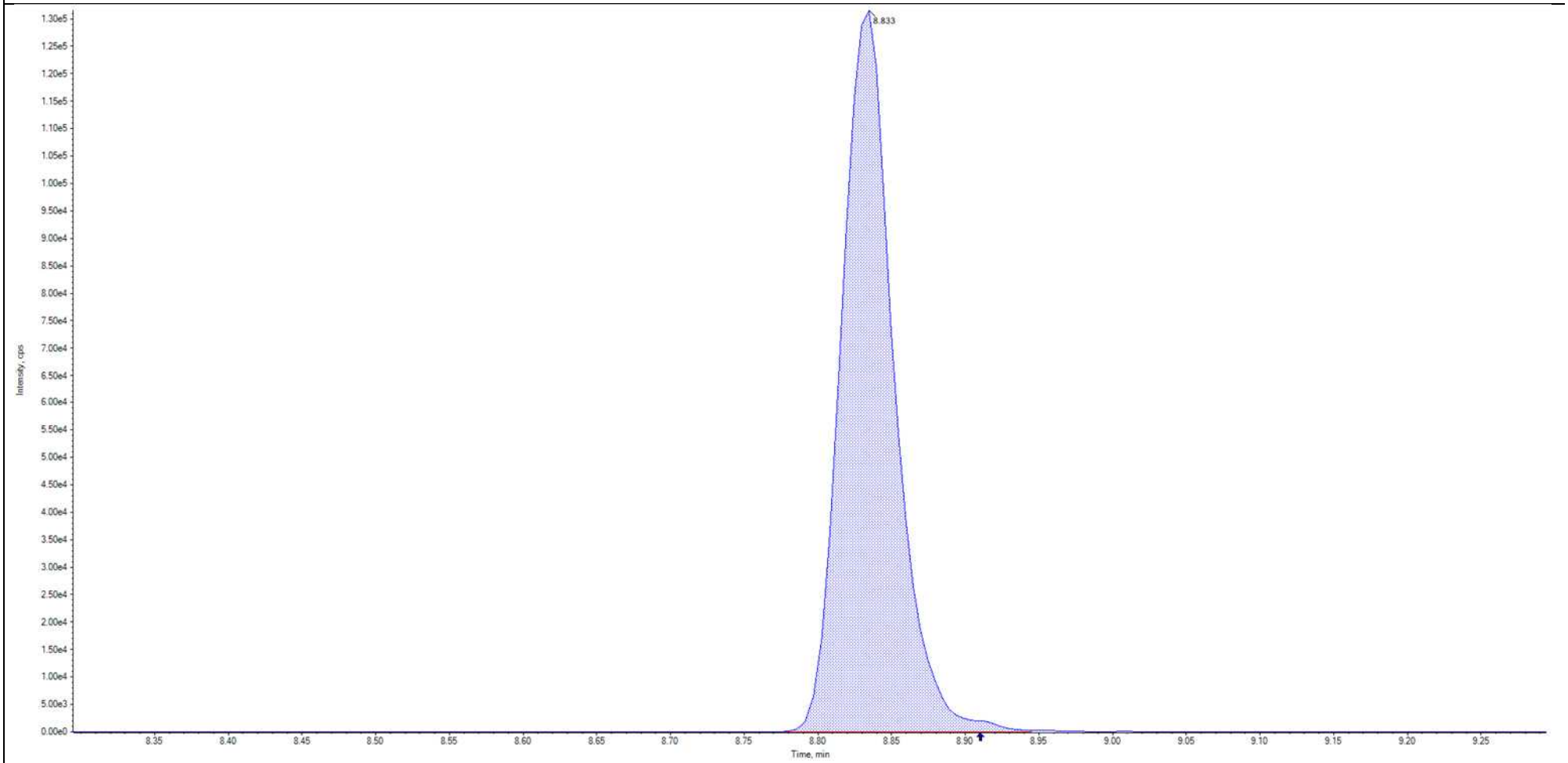
Generated: 9/17/2024 6:15:27 AM

13C7-PFUnA
Sample: L2447503-05

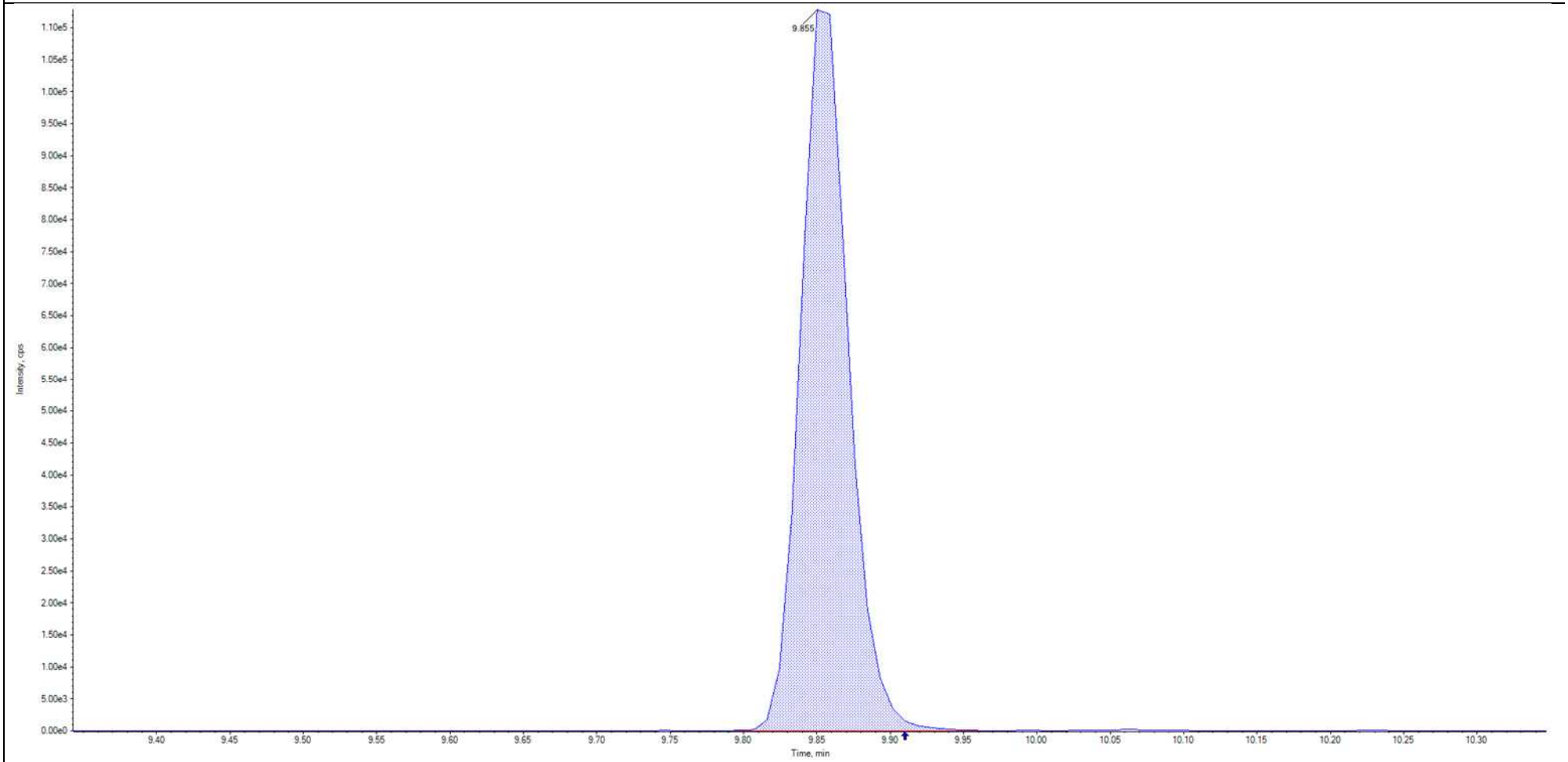


13C2-PFDoA
Sample: L2447503-05



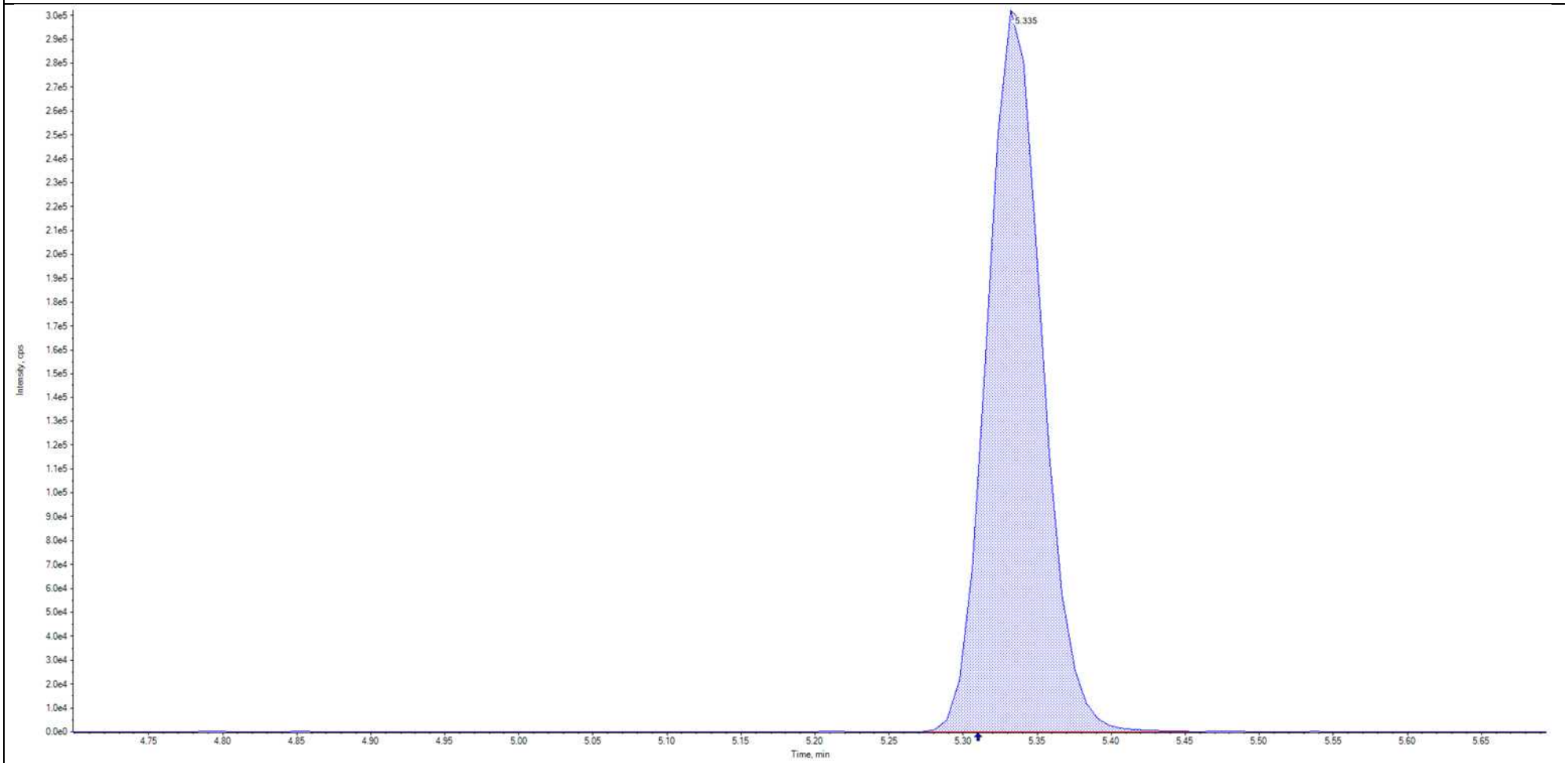
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C2-PFTeDA
Sample: L2447503-05



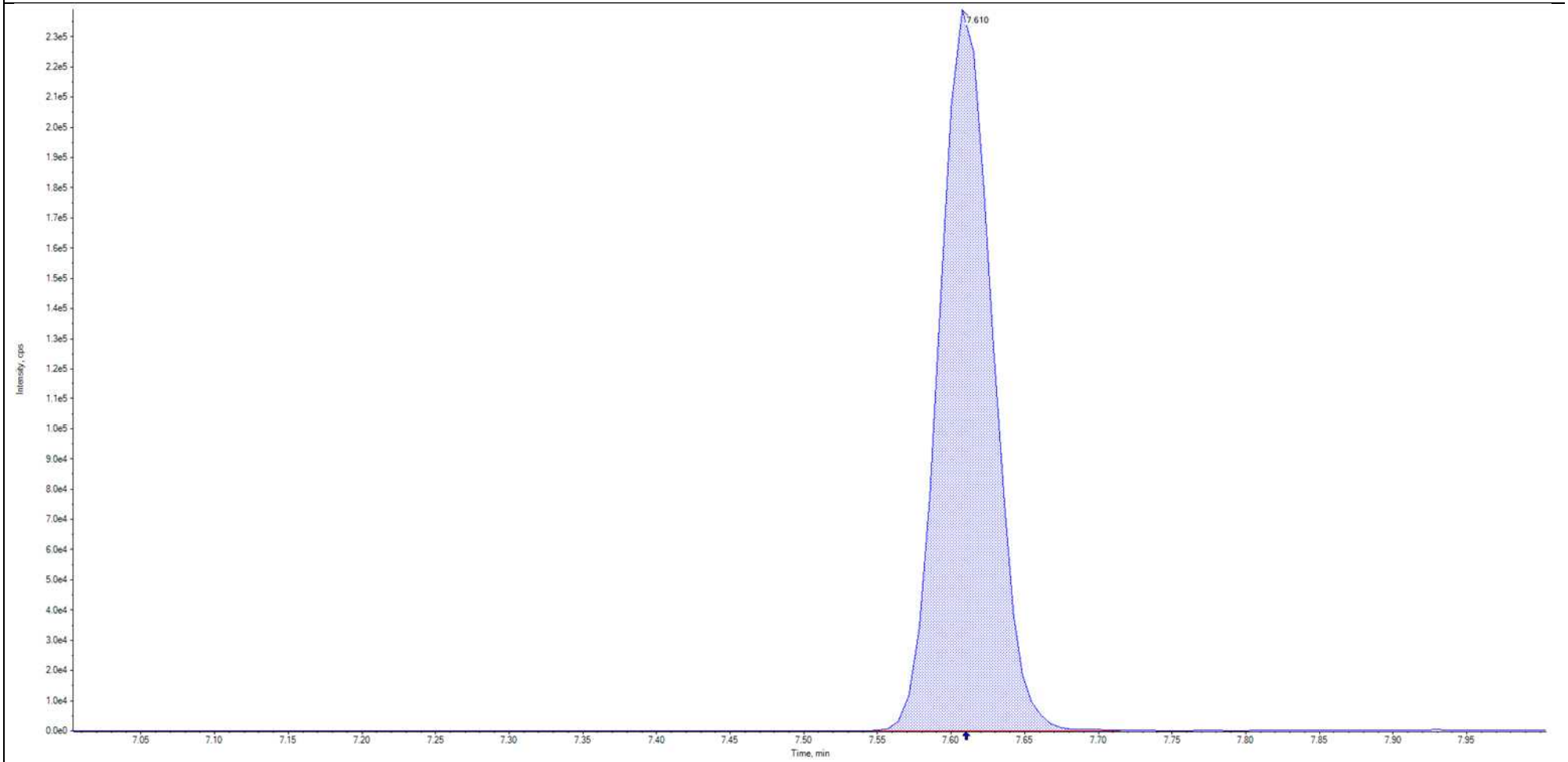
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C3-PFBS
Sample: L2447503-05

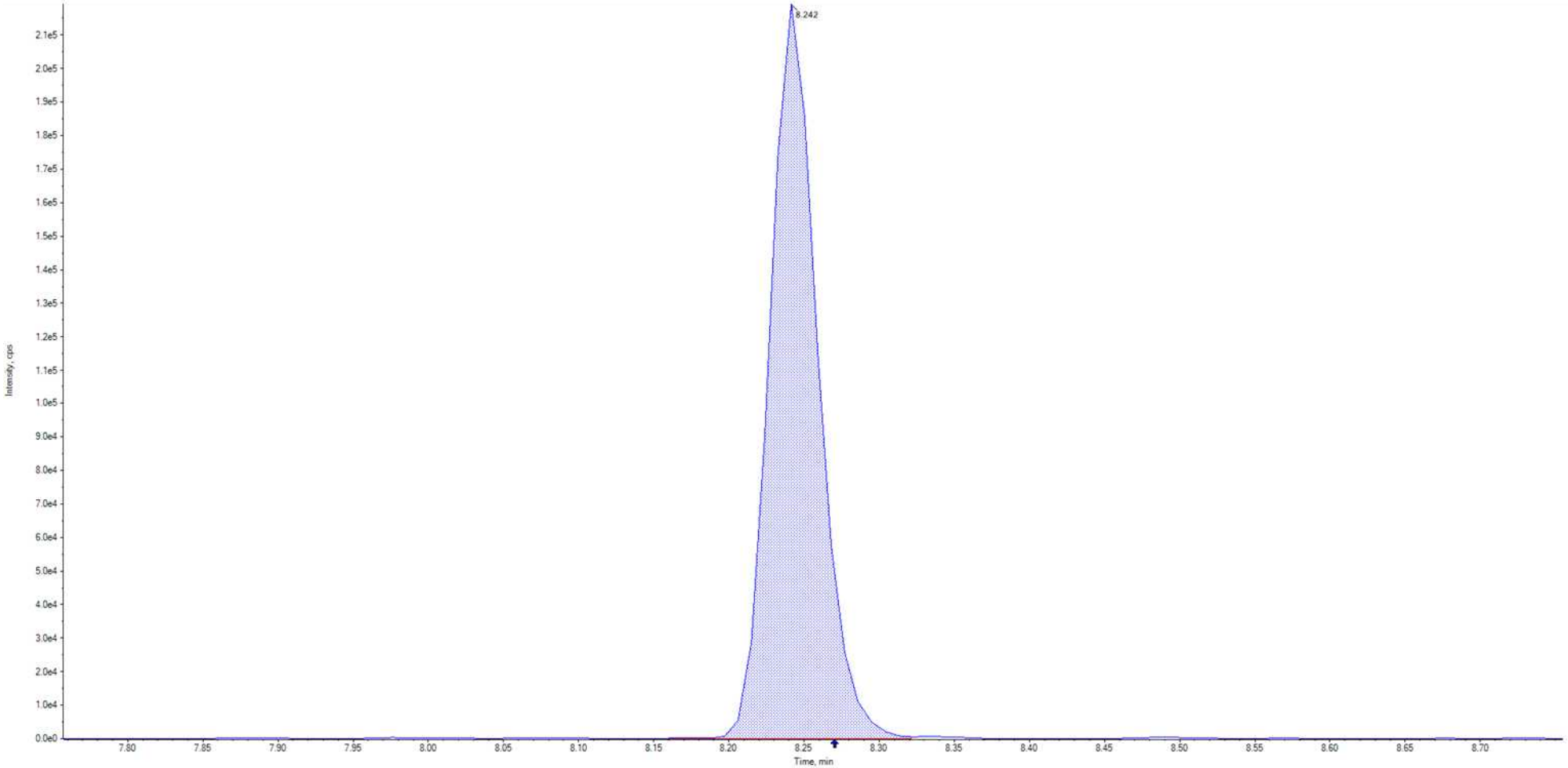


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C3-PFHxS
Sample: L2447503-05

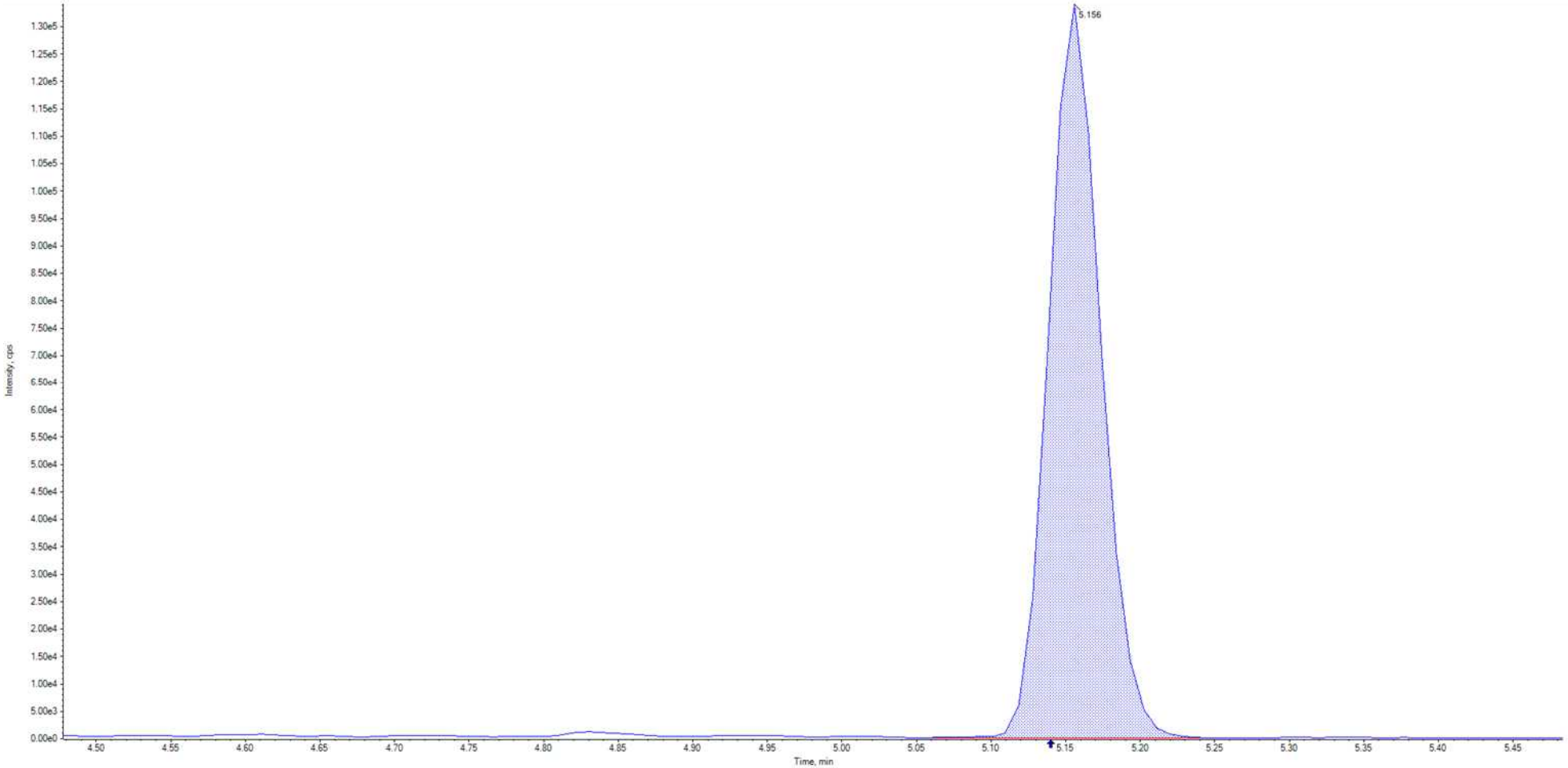


13C8-PFOS
Sample: L2447503-05

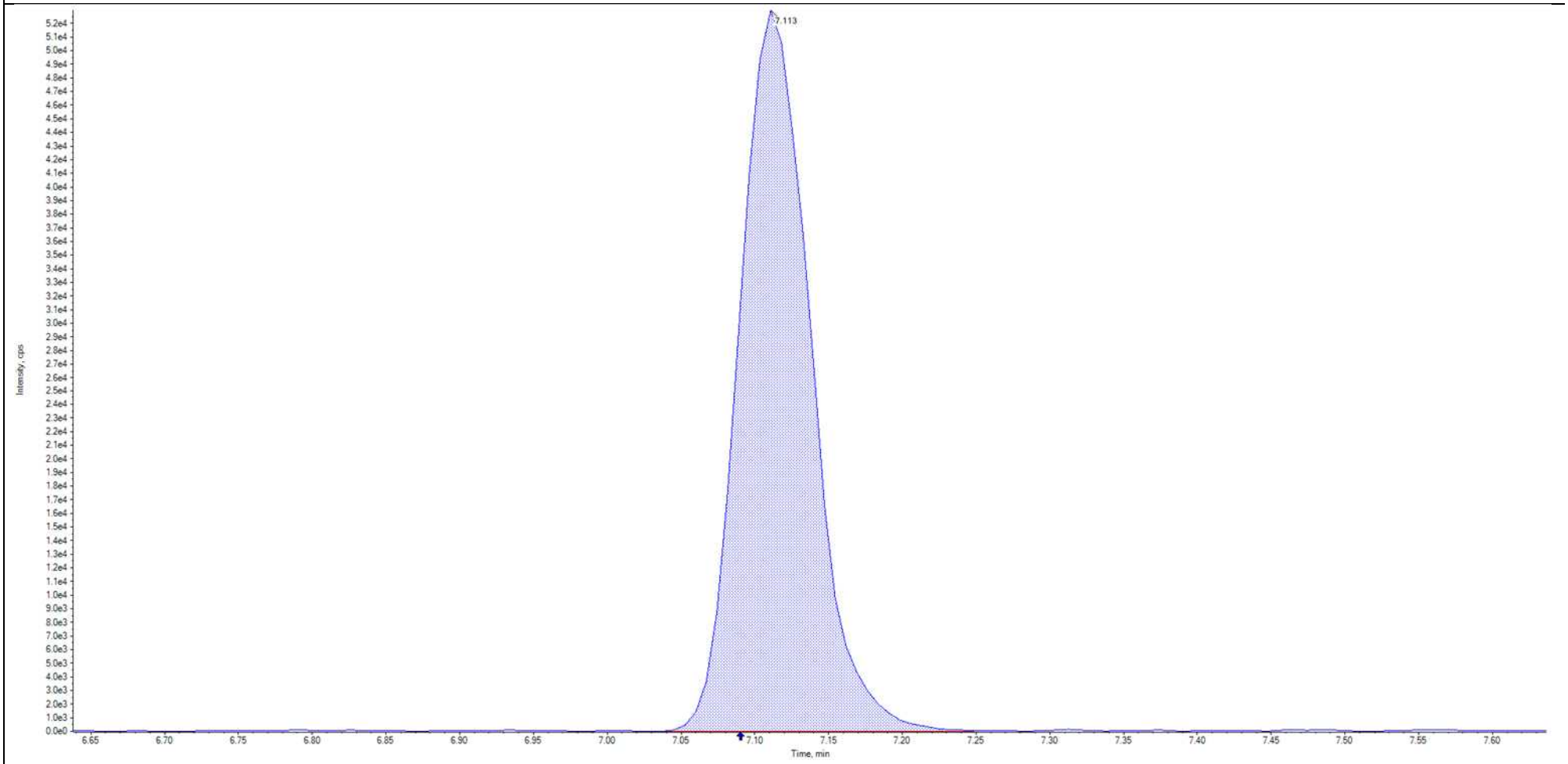


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_19.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

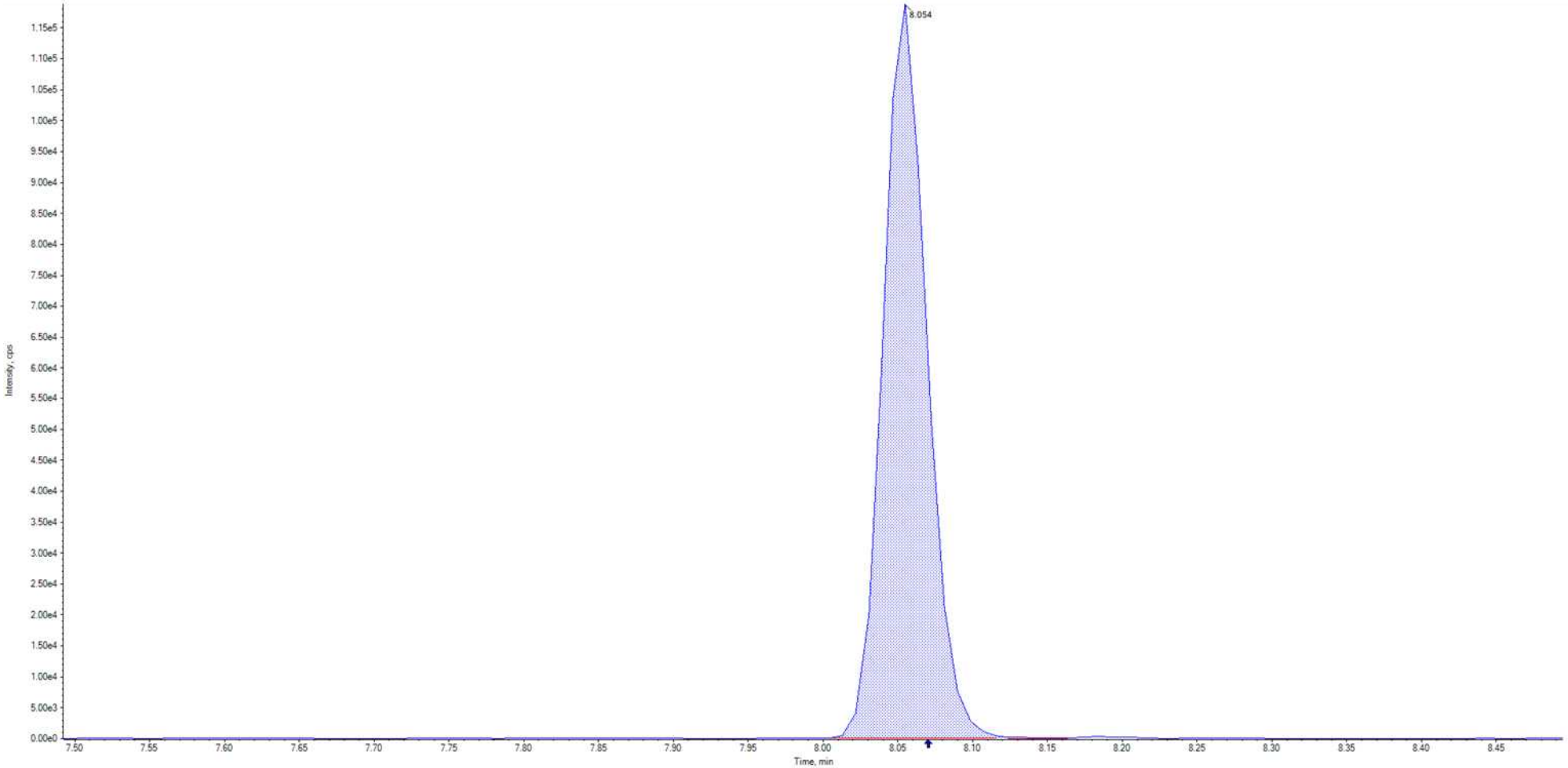
13C2-4:2FTS
Sample: L2447503-05



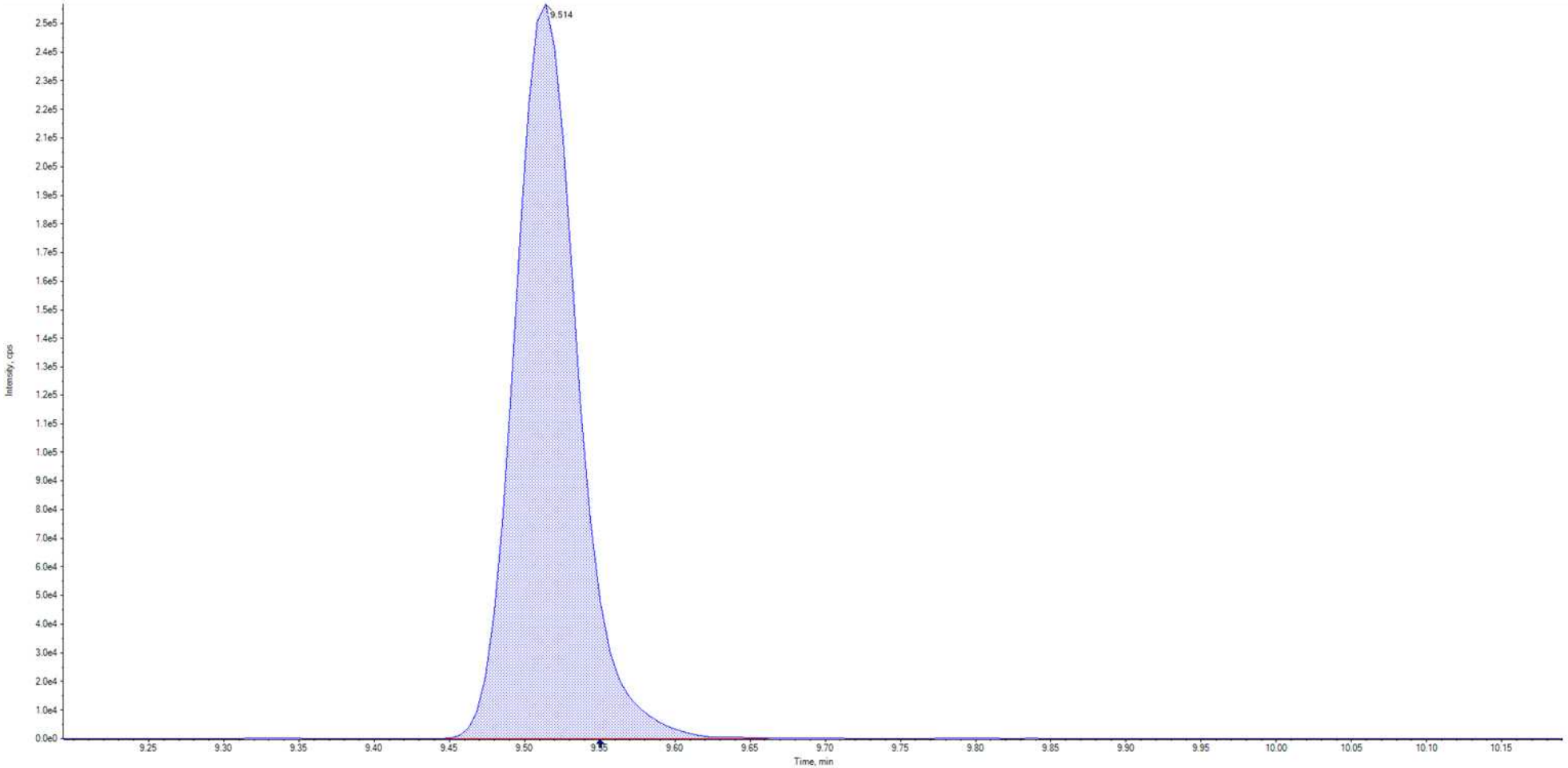
13C2-6:2FTS
Sample: L2447503-05



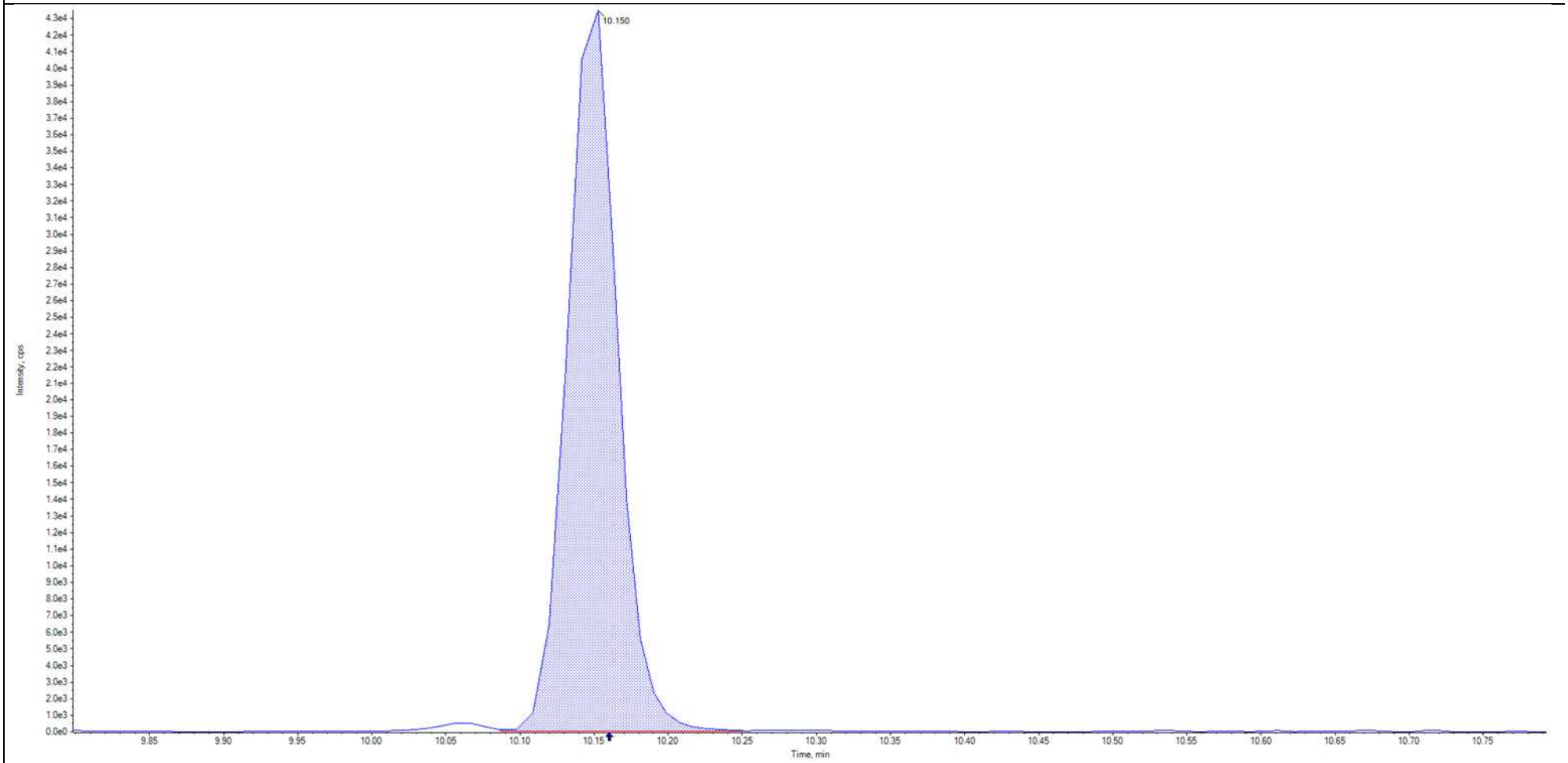
13C2-8:2FTS
Sample: L2447503-05



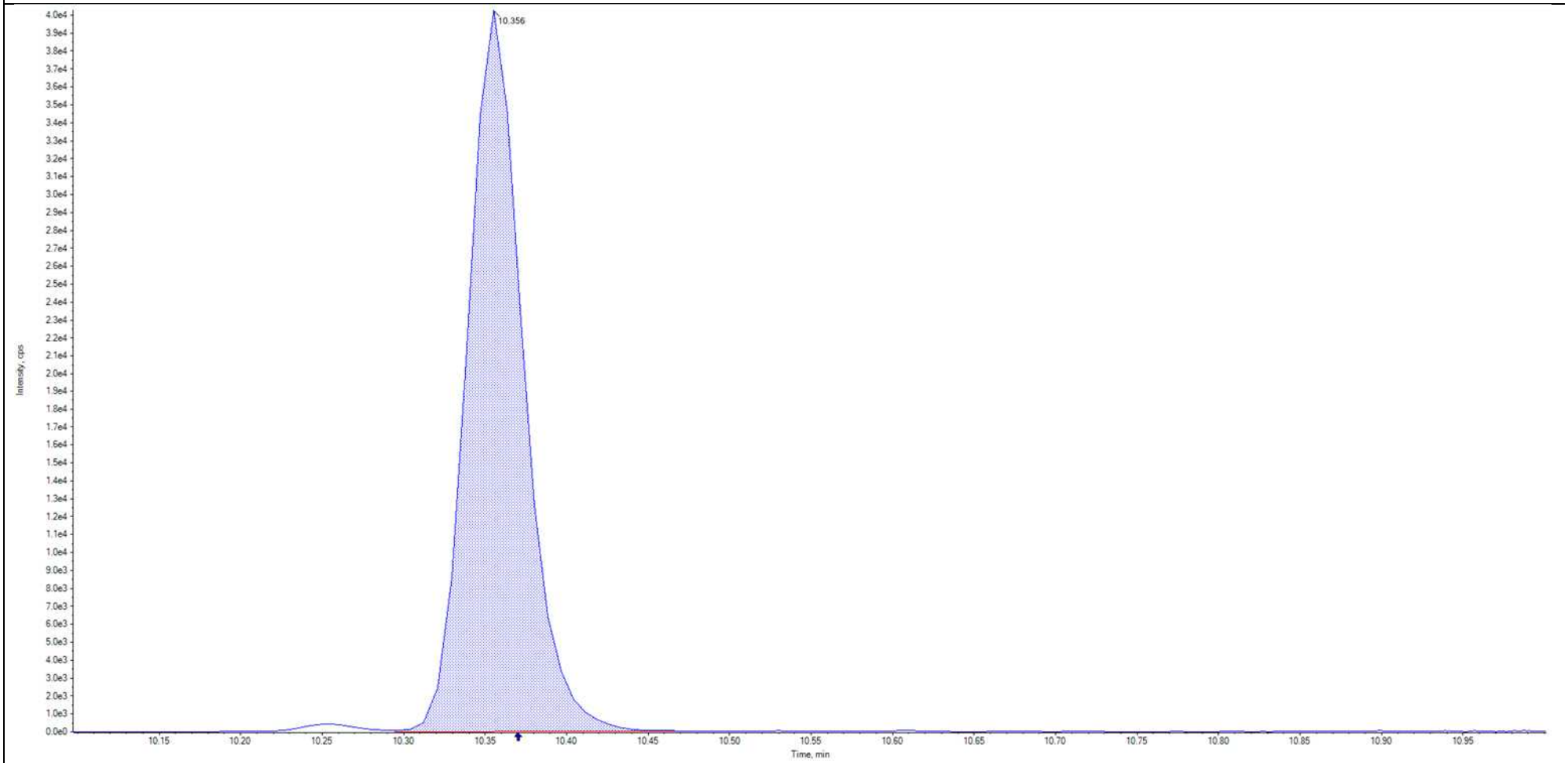
13C8-PFOSA
Sample: L2447503-05



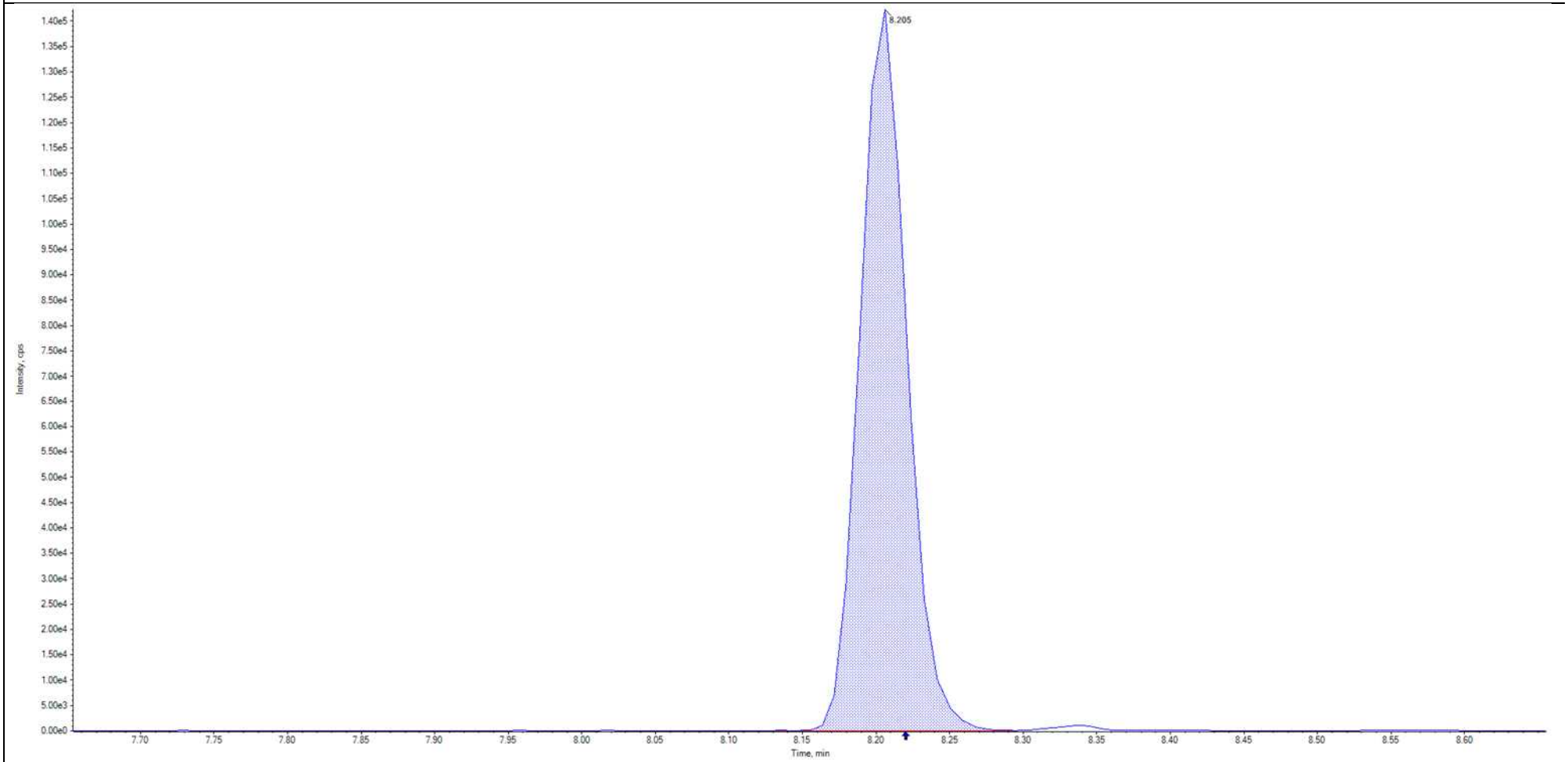
d3-NMeFOSA
Sample: L2447503-05



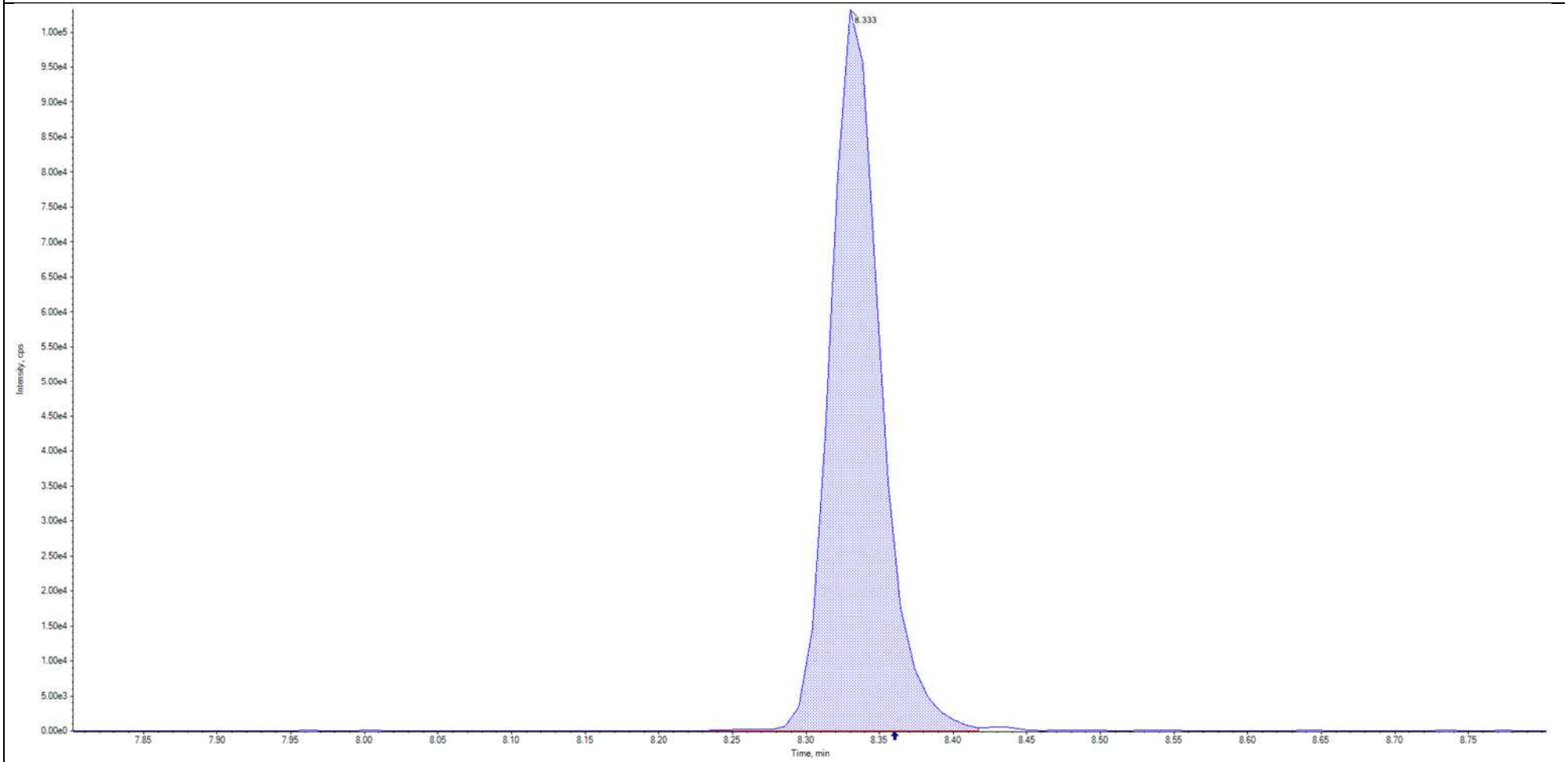
d5-NEtFOSA
Sample: L2447503-05



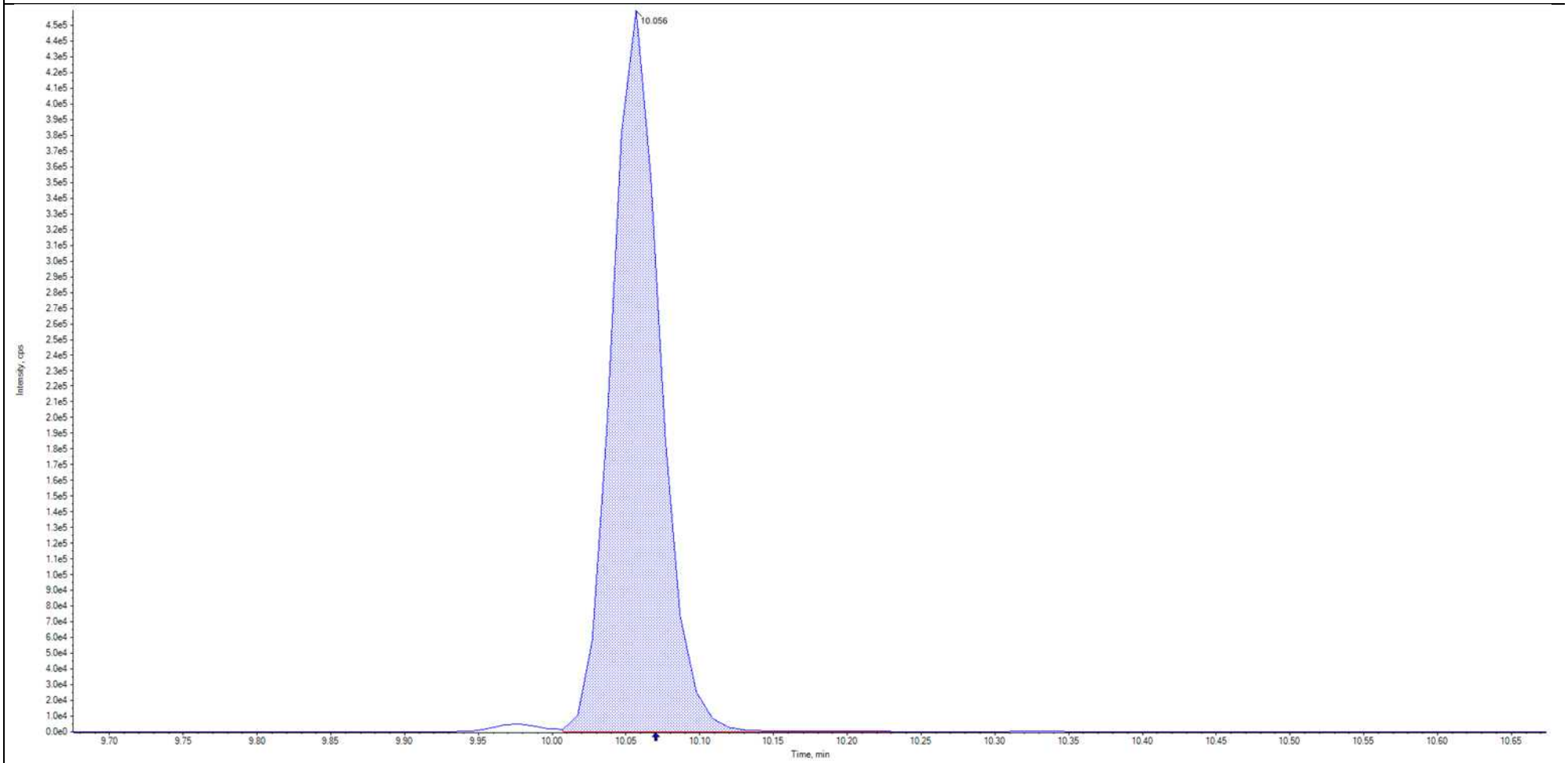
d3-NMeFOSAA
Sample: L2447503-05



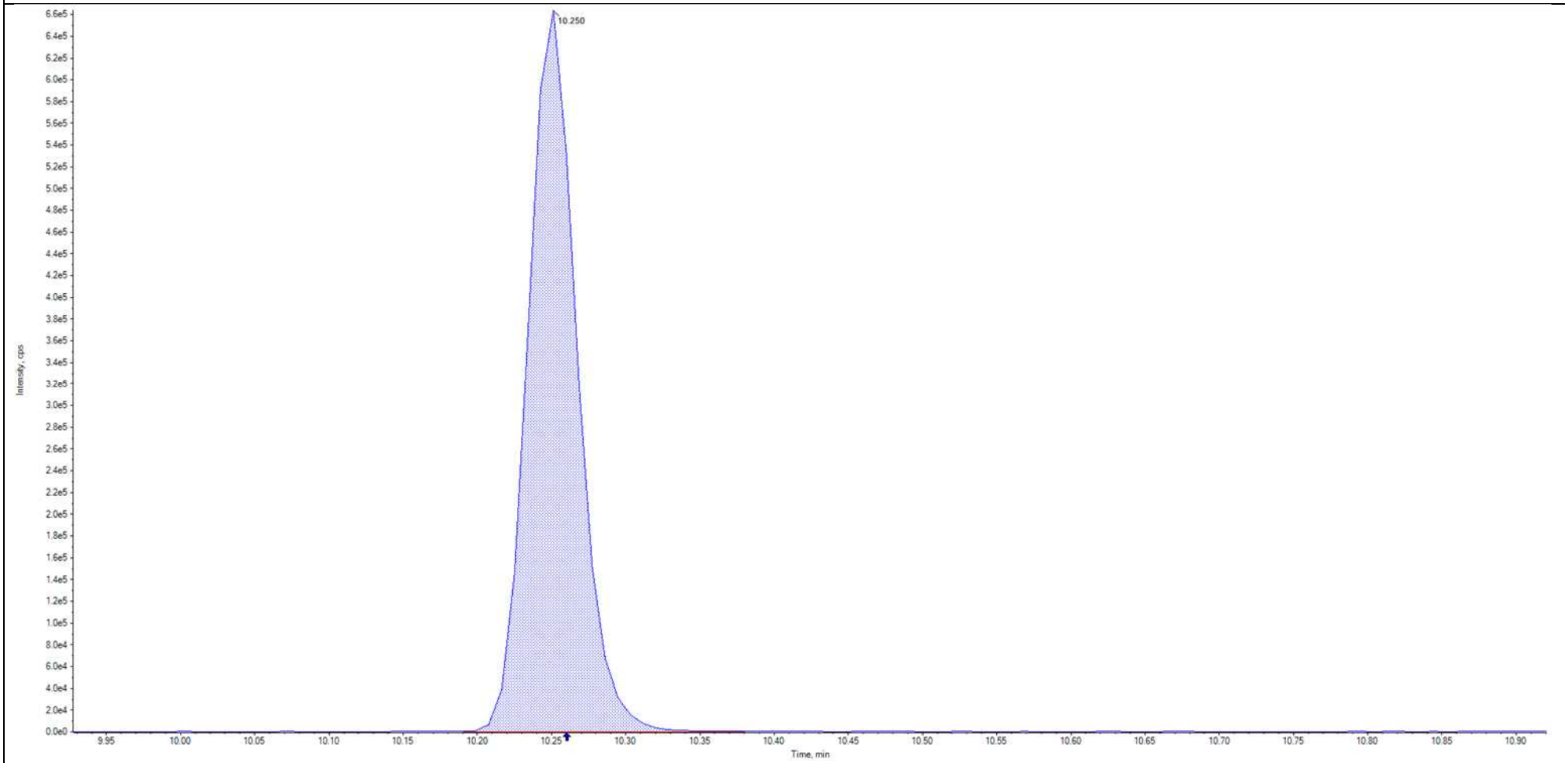
d5-NEtFOSAA
Sample: L2447503-05



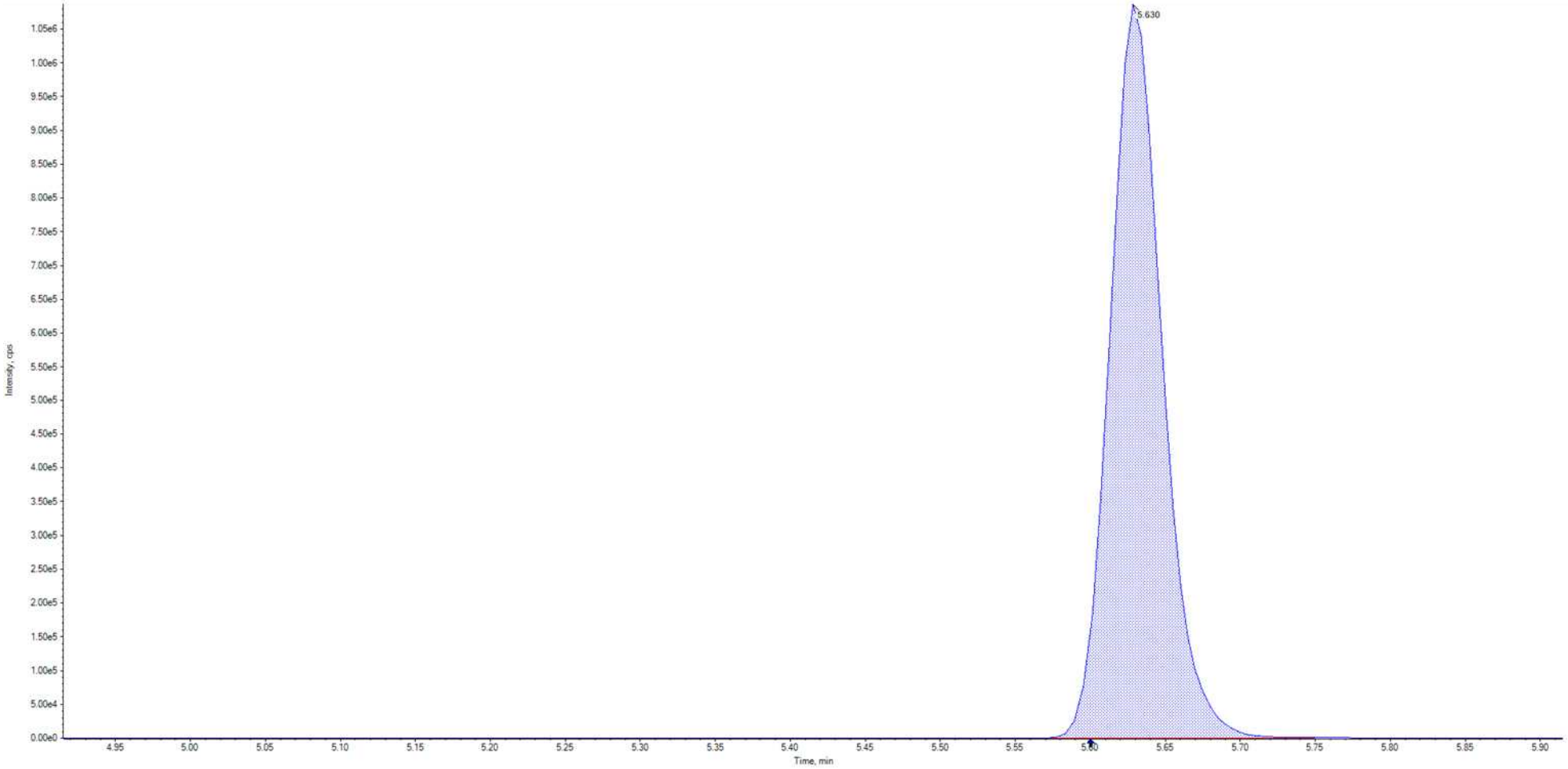
d7-NMeFOSE
Sample: L2447503-05



d9-NEtFOSE
Sample: L2447503-05



13C3-HFPO-DA
Sample: L2447503-05



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13C3-PFBA
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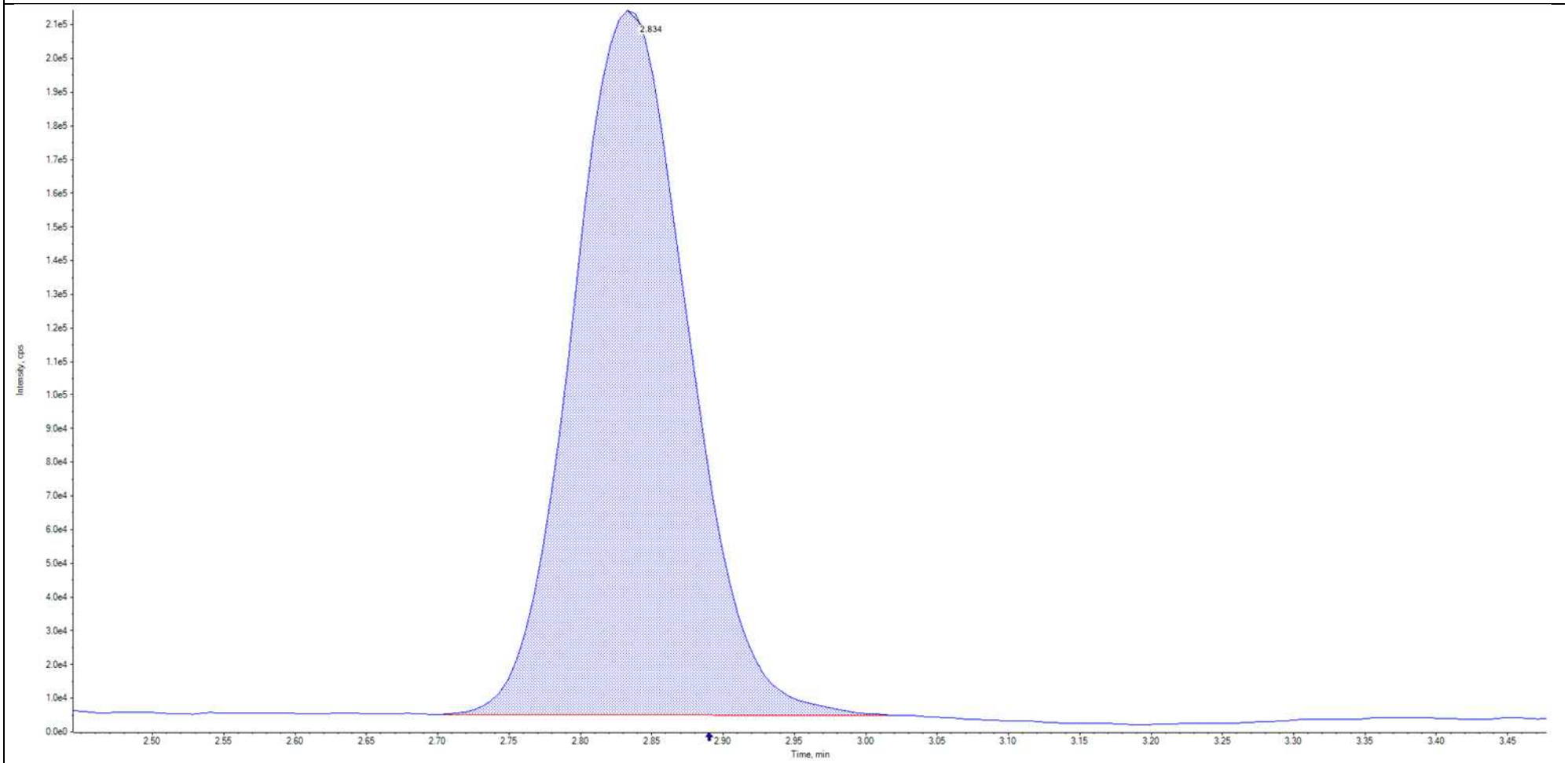
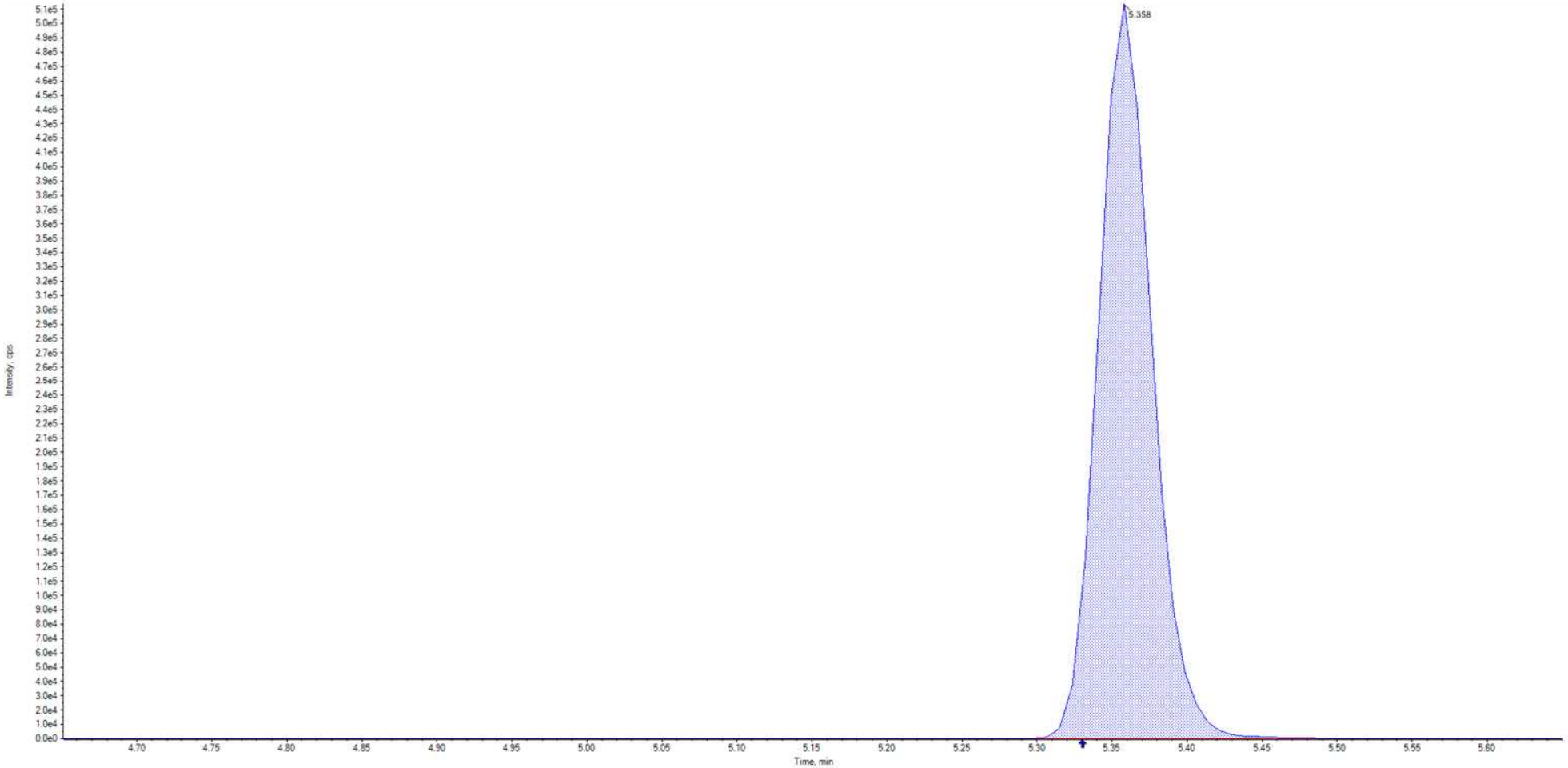


13C2-PFHxA
Sample: L2447503-05



13C4-PFOA
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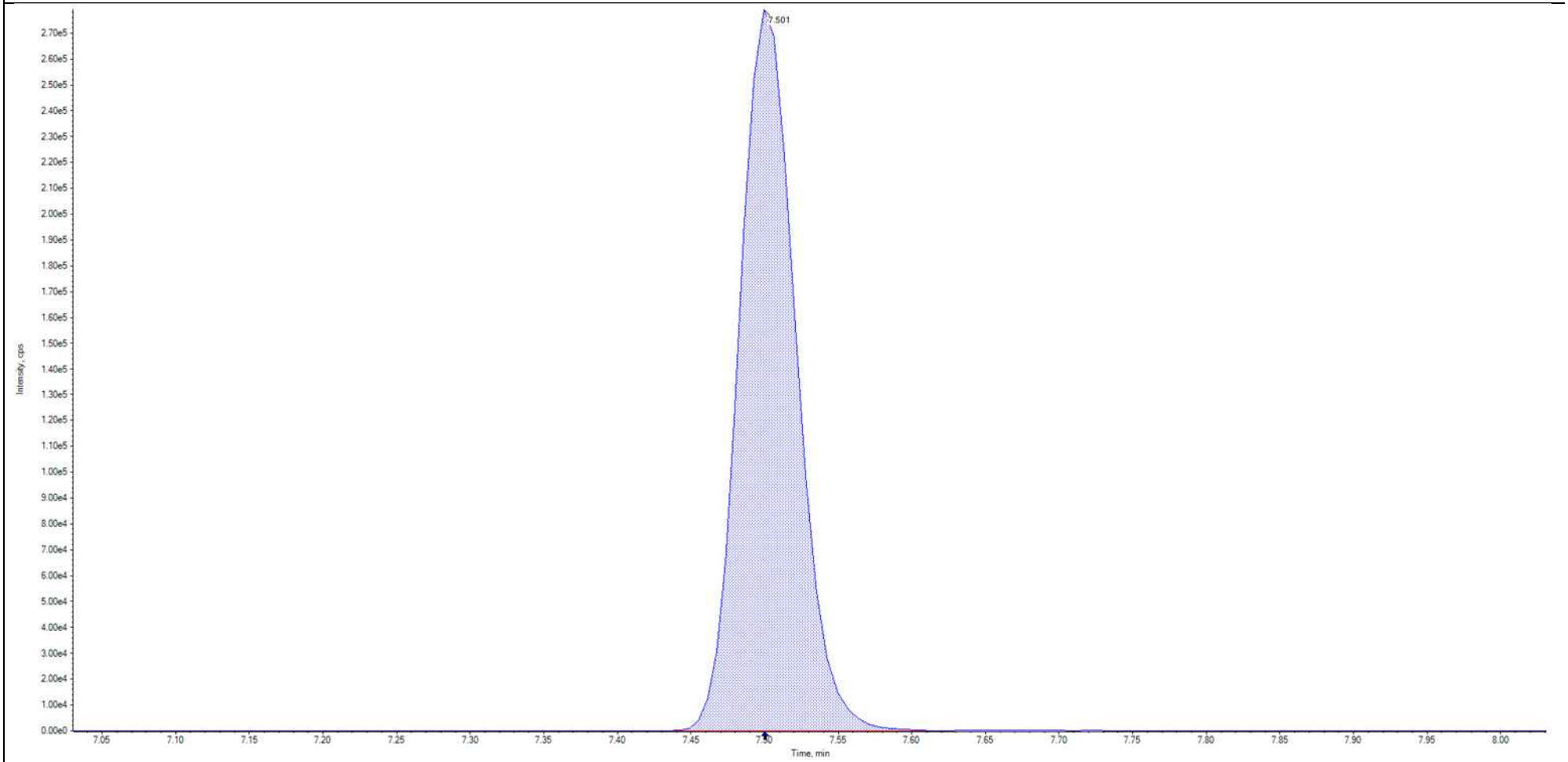

13C5-PFNA
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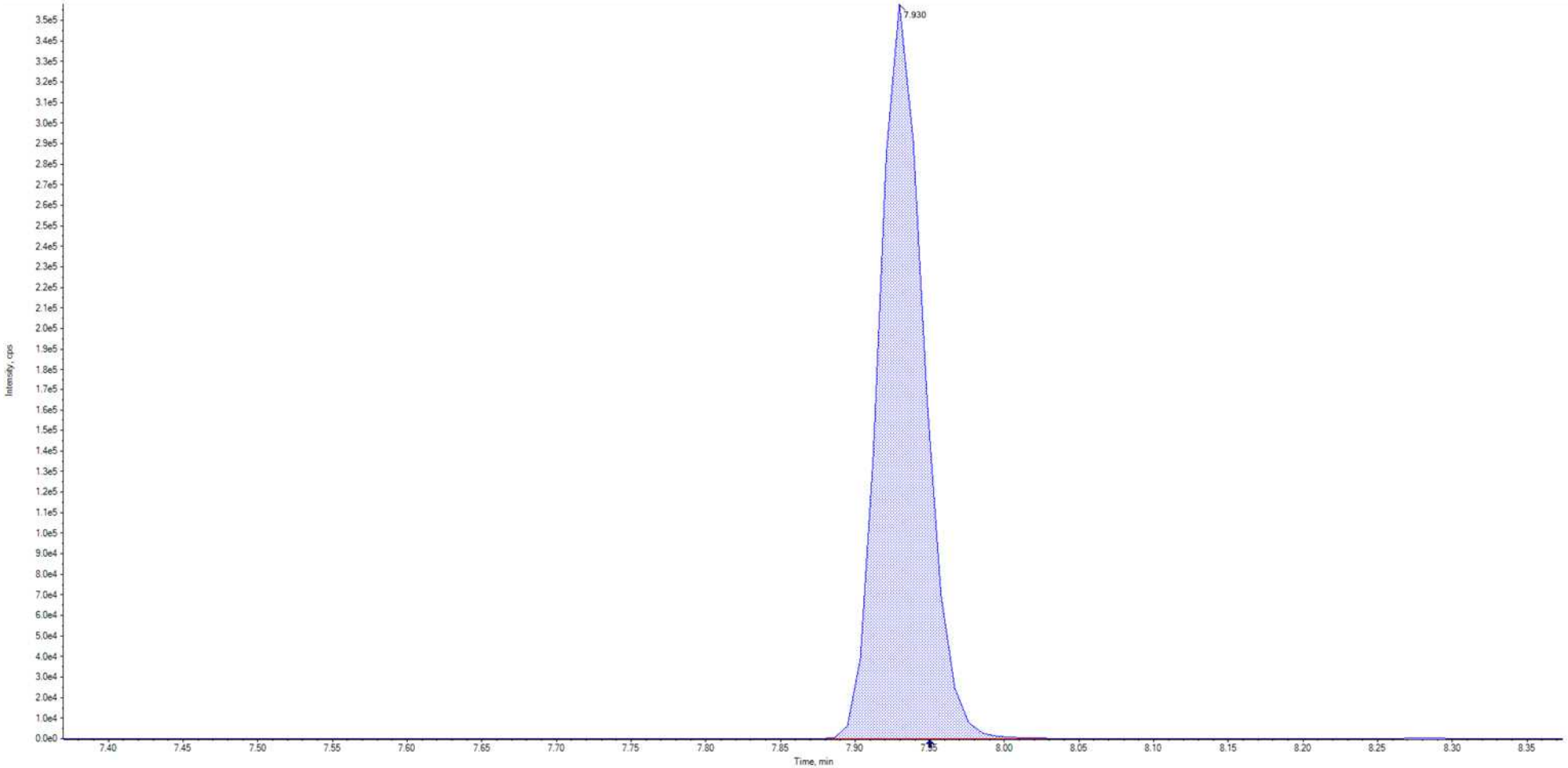

13C2-PFDA
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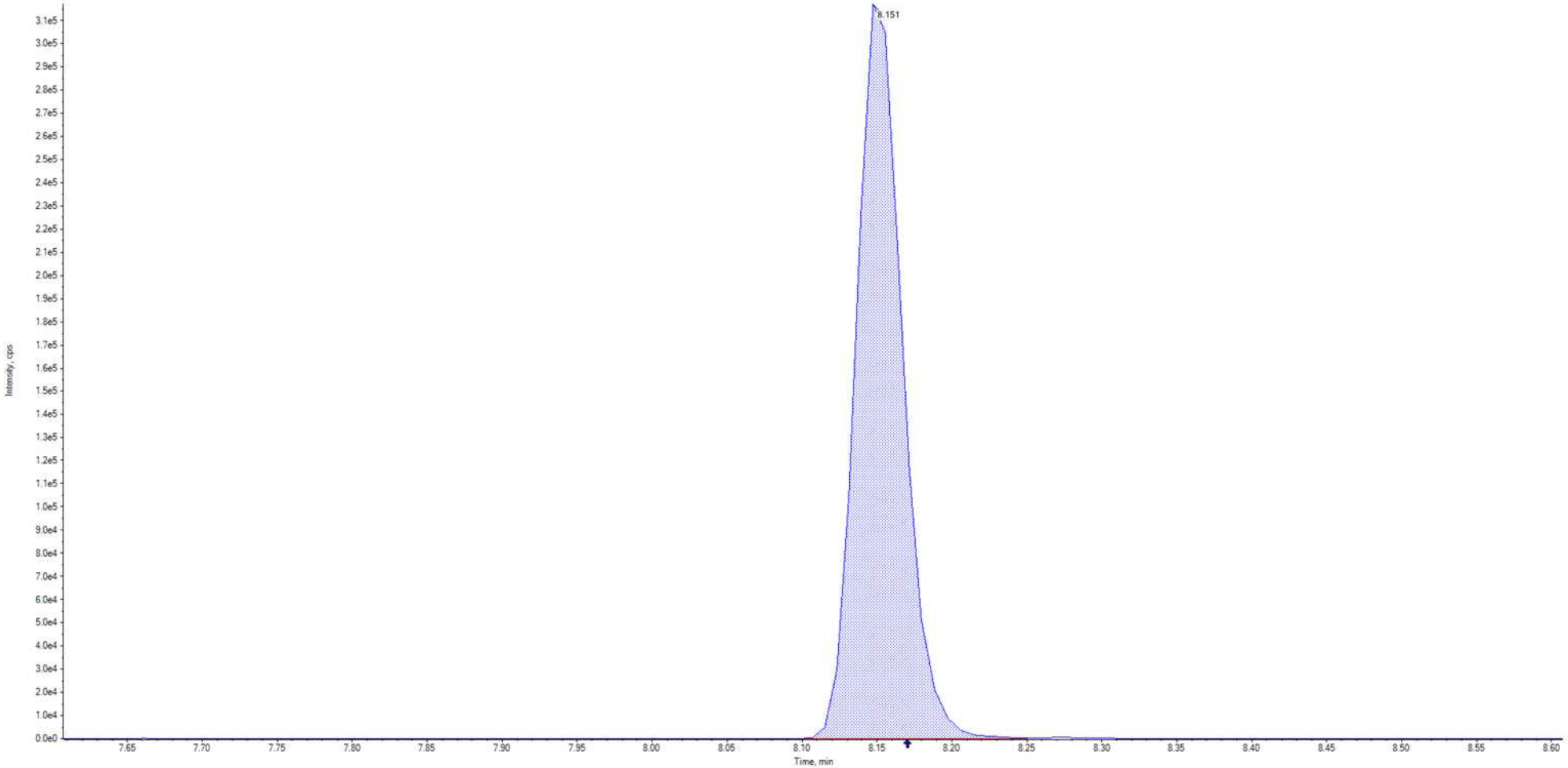

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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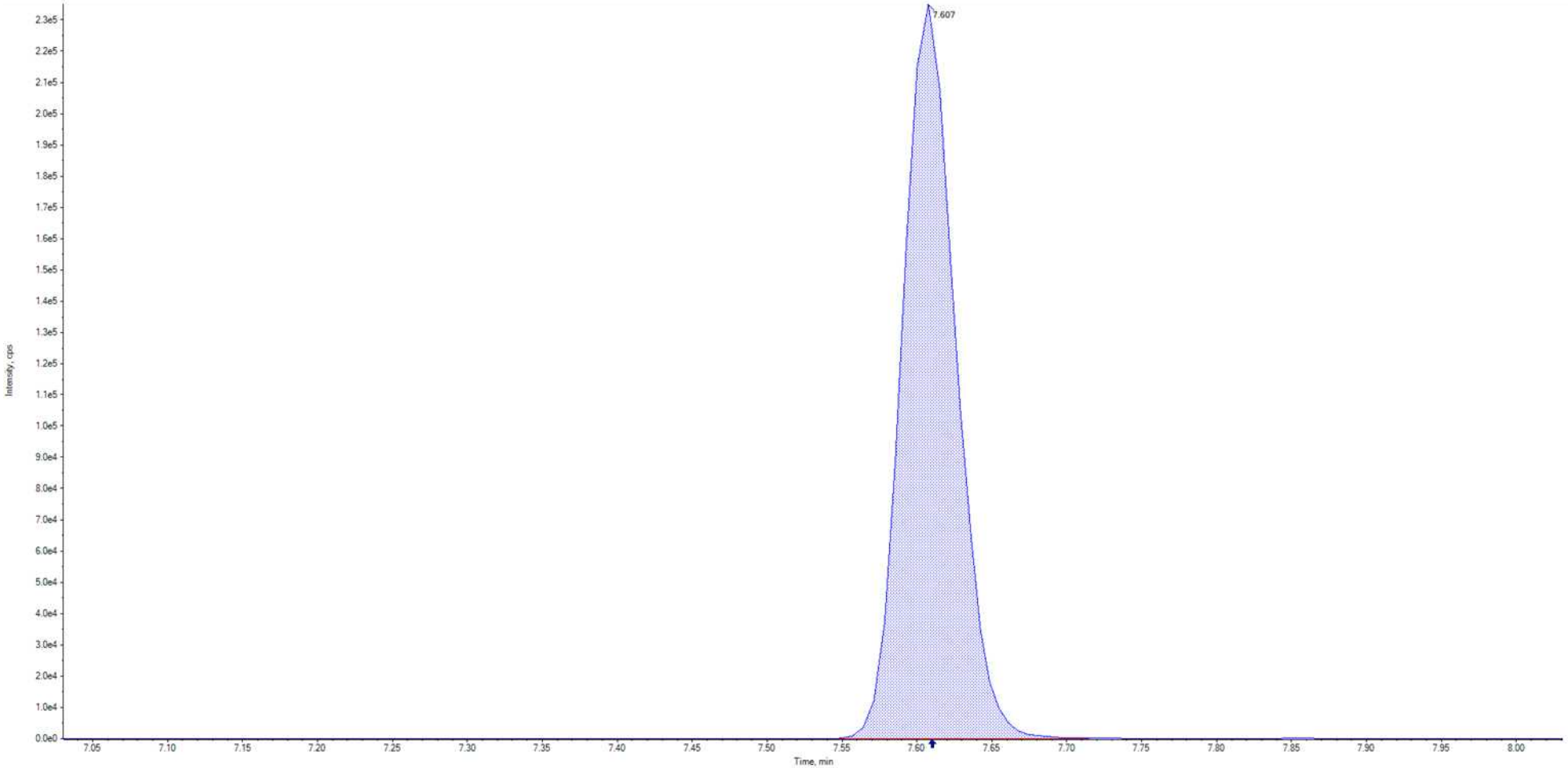
18O2-PFHxS
Sample: L2447503-05



13C4-PFOS
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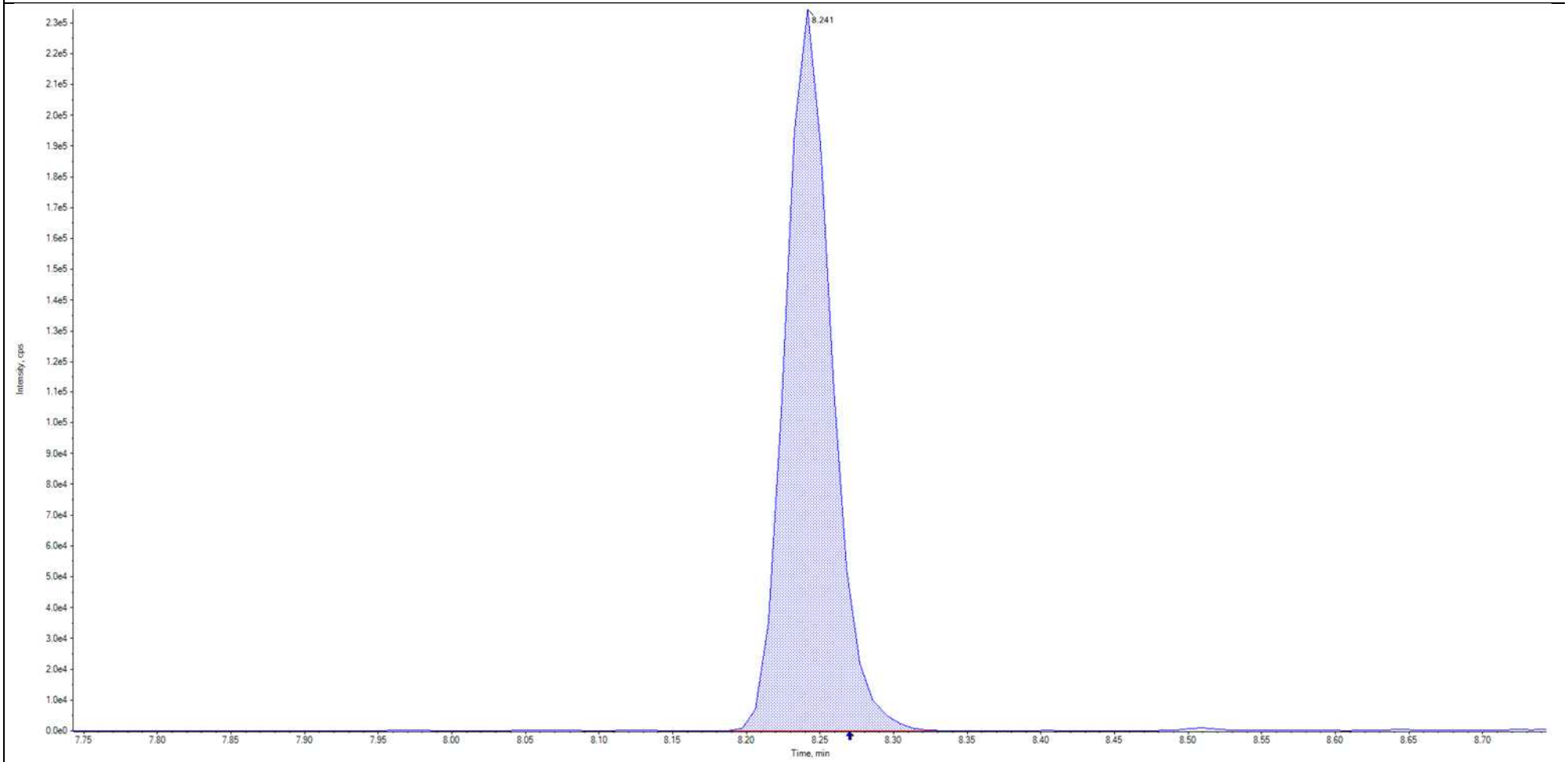

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Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

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Date & Time: 2024-09-17T09:04:51
Description: WG1972379,WG1971858,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.83	213.0 / 169.0	213939		1.439	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	4.67	263.0 / 219.0	305245		1.671	0.006	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	4.67	263.0 / 68.9	1853		1.436	0.006	0.007	N/A	N/A
4	PFHxA	307-24-4	5.36	313.0 / 269.0	635638		1.578	0.078	0.072	Pass	N/A
5	PFHxA_2	307-24-4	5.36	313.0 / 119.0	49290		1.656	0.078	0.072	Pass	N/A
6	PFHpA	375-85-9	6.29	363.1 / 319.0	631748		1.677	0.308	0.297	Pass	N/A
7	PFHpA_2	375-85-9	6.29	363.1 / 169.0	194636		1.688	0.308	0.297	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.51	413.1 / 369.1	816878	M5	3.605	0.509	0.586	Pass	N/A
9	PFOA_2	335-67-1	7.51	413.1 / 169.0	415538	M7	3.347	0.509	0.586	Pass	N/A
10	PFNA	375-95-1	7.93	462.8 / 418.9	46483		0.164	0.293	0.313	Pass	N/A
11	PFNA_2	375-95-1	7.93	462.8 / 218.9	13630		0.158	0.293	0.313	Pass	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	5.33	299.1 / 80.1	122640		0.495	0.387	0.396	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.33	299.1 / 99.1	47462		0.480	0.387	0.396	Pass	N/A
24	PFPeS	2706-91-4	6.37	349.1 / 80.1	50396		0.265	0.286	0.299	Pass	N/A
25	PFPeS_2	2706-91-4	6.37	349.1 / 99.1	14408		0.251	0.286	0.299	Pass	N/A
26	PFHxS	355-46-4	7.61	399.1 / 80.1	359836	M5	2.019	0.291	0.315	Pass	N/A
27	PFHxS_2	355-46-4	7.61	399.1 / 99.1	104616	M7	1.890	0.291	0.315	Pass	N/A
28	PFHpS	375-92-8	8.00	449.1 / 80.1	6238		0.039	0.262	0.287	Pass	N/A
29	PFHpS_2	375-92-8	8.00	449.1 / 99.1	1632		0.035	0.262	0.287	Pass	N/A
30	PFOS	1763-23-1	8.21	499.1 / 80.1	117880	M5	0.690	0.187	0.238	Pass	N/A
31	PFOS_2	1763-23-1	8.24	499.1 / 99.1	22022	M7	0.526	0.187	0.238	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.487	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	N/A	285.0 / 169.0	N/A		N/A	N/A	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.82	217.0 / 172.0	1833597		8.039	NA	NA	NA	80.4

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	4.66	268.0 / 223.0	990798		3.431	NA	NA	NA	68.6
13C5-PFHxA	EIS	5.35	318.0 / 273.0	826507		2.179	NA	NA	NA	87.2
13C4-PFHpA	EIS	6.28	367.0 / 322.0	804313		2.118	NA	NA	NA	84.7
13C8-PFOA	EIS	7.50	421.0 / 376.0	1088882		1.737	NA	NA	NA	69.5
13C9-PFNA	EIS	7.93	472.0 / 427.0	483328		0.883	NA	NA	NA	70.7
13C6-PFDA	EIS	8.15	519.0 / 474.0	425400		0.825	NA	NA	NA	66.0
13C7-PFUnA	EIS	8.42	570.0 / 525.0	317532		0.761	NA	NA	NA	60.9

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	265555		0.978	NA	NA	NA	78.3
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	201007		0.682	NA	NA	NA	54.6
	13C3-PFBS	EIS	5.33	302.1 / 80.1	590766		1.789	NA	NA	NA	76.8
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	446512		1.702	NA	NA	NA	71.8
	13C8-PFOS	EIS	8.24	507.1 / 80.1	416013		1.553	NA	NA	NA	64.8
	13C2-4:2FTS	EIS	5.15	329.1 / 81.1	422180		7.162	NA	NA	NA	152.7
	13C2-6:2FTS	EIS	7.12	429.2 / 81.1	177747		4.115	NA	NA	NA	86.5
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	255261		4.038	NA	NA	NA	84.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.51	506.1 / 78.1	498505		1.400	NA	NA	NA	56.0
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	81928		1.366	NA	NA	NA	54.7
	d5-NEtFOSA	EIS	10.35	531.2 / 219.0	78486		1.340	NA	NA	NA	53.6
	d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	246115		1.816	NA	NA	NA	36.3
	d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	199246		2.797	NA	NA	NA	55.9
	d7-NMeFOSE	EIS	10.05	623.2 / 58.9	720846		15.567	NA	NA	NA	62.3
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1082082		15.850	NA	NA	NA	63.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.62	287.0 / 169.0	2058762		8.190	NA	NA	NA	81.9
	13C3-PFBA	NIS	2.82	216.0 / 172.0	997741		4.666	NA	NA	NA	93.3
	13C2-PFHxA	NIS	5.35	315.0 / 270.0	1126173		2.300	NA	NA	NA	92.0
	13C4-PFOA	NIS	7.50	417.0 / 372.0	820021		2.619	NA	NA	NA	104.8
	13C5-PFNA	NIS	7.93	468.0 / 423.0	666586		1.217	NA	NA	NA	97.4
	13C2-PFDA	NIS	8.15	515.1 / 470.1	605871		1.182	NA	NA	NA	94.6
	18O2-PFHxS	NIS	7.60	403.1 / 84.1	533228		2.276	NA	NA	NA	96.0
	13C4-PFOS	NIS	8.24	503.1 / 80.1	473946		2.251	NA	NA	NA	94.0

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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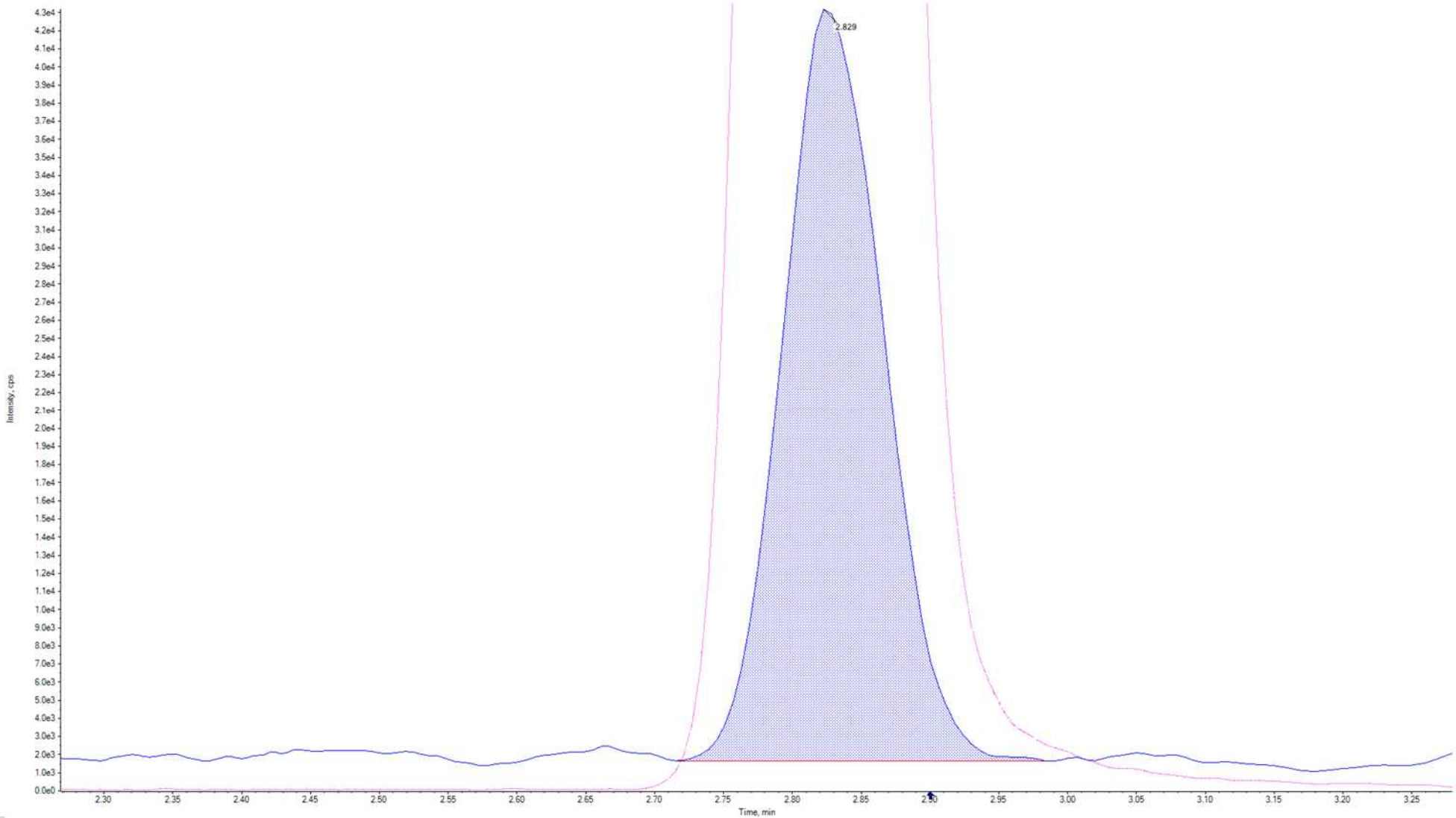
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBA
Sample: L2447503-07 S/N:524.8 Points Across peak:47



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
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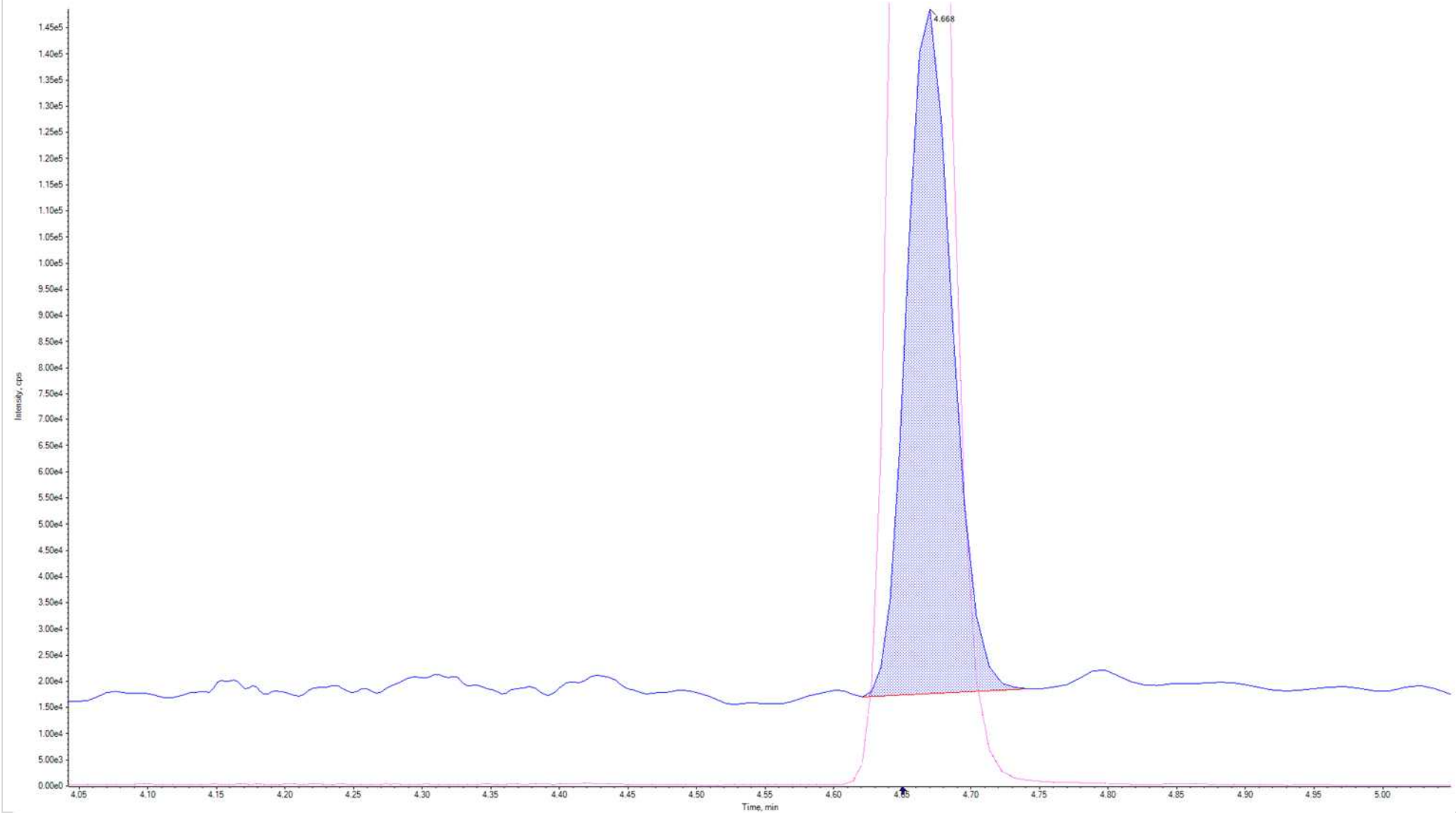
PFPeA
Sample: L2447503-07 S/N:128.2 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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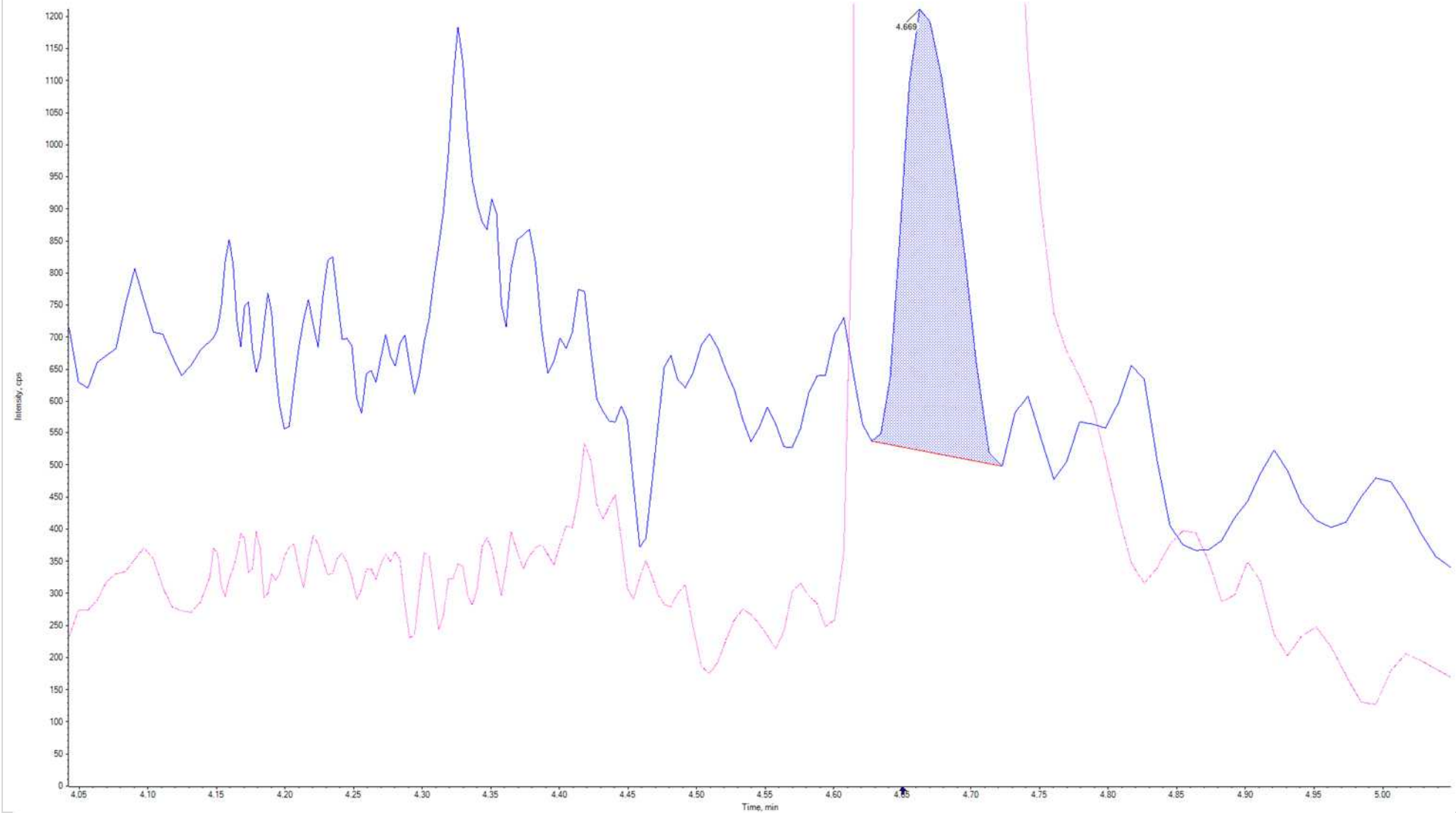
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeA_2
Sample: L2447503-07 S/N:22.3 Points Across peak:13



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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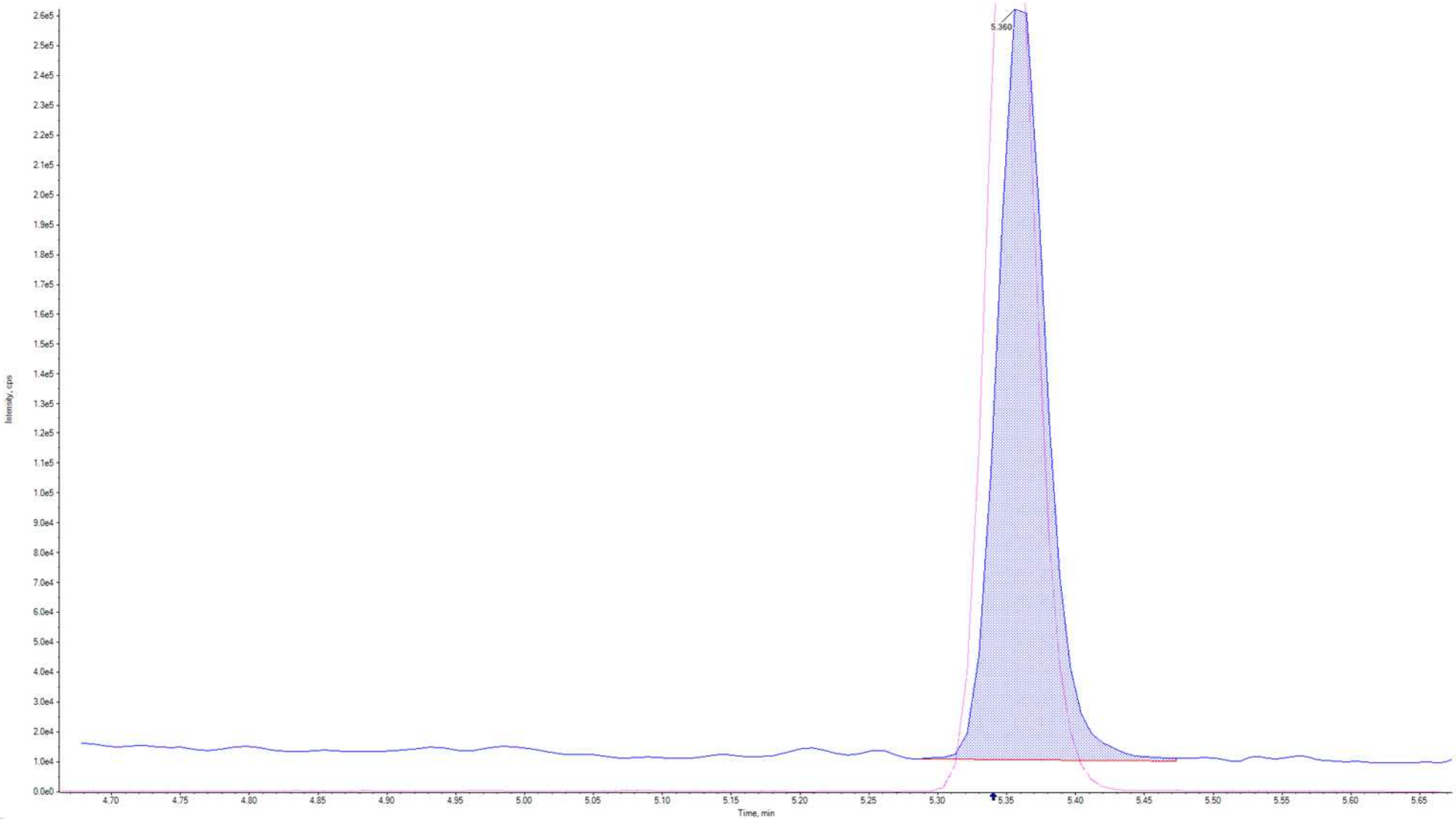
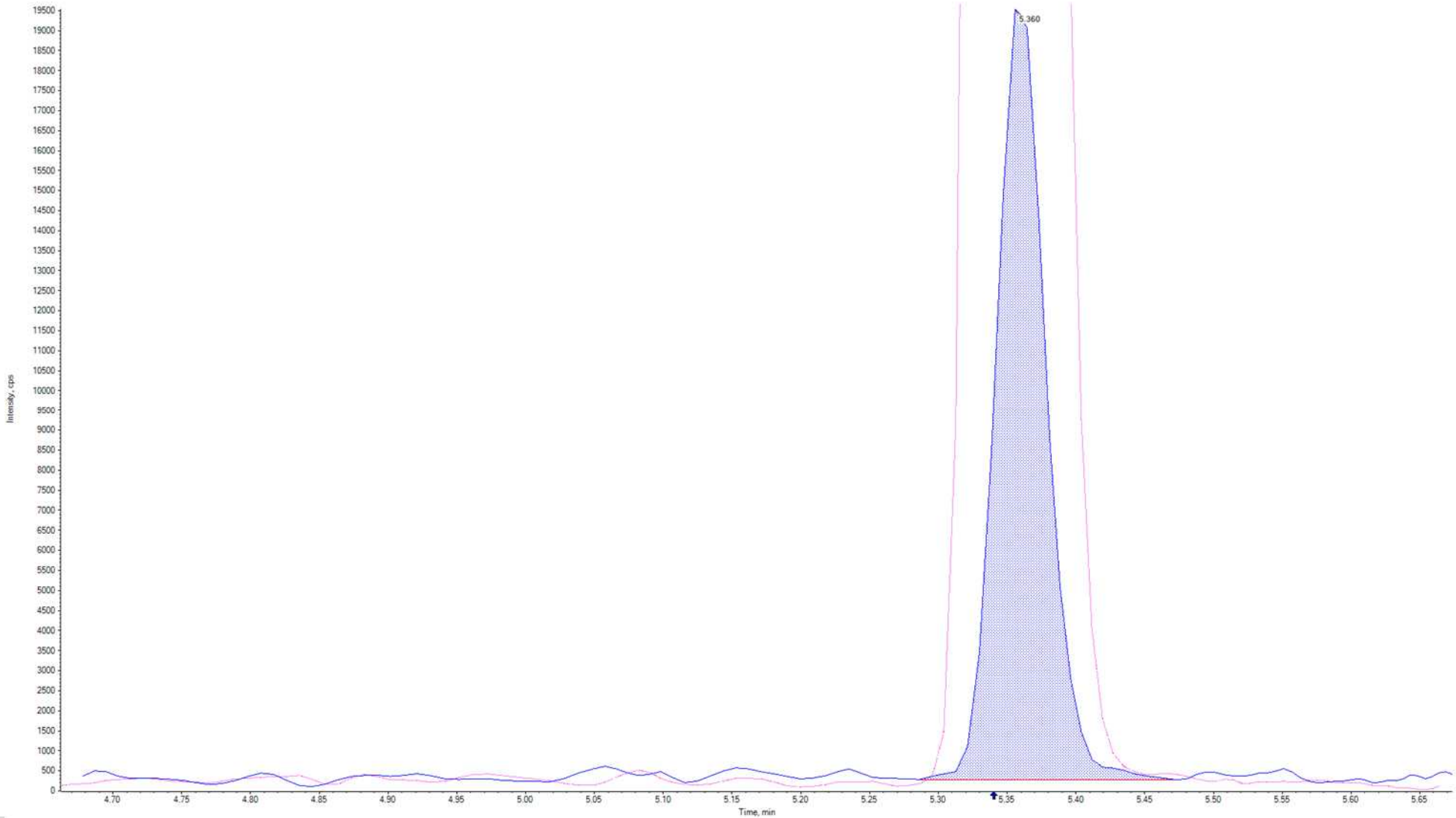
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxA
Sample: L2447503-07 S/N:238.5 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxA_2
Sample: L2447503-07 S/N:321.7 Points Across peak:24



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
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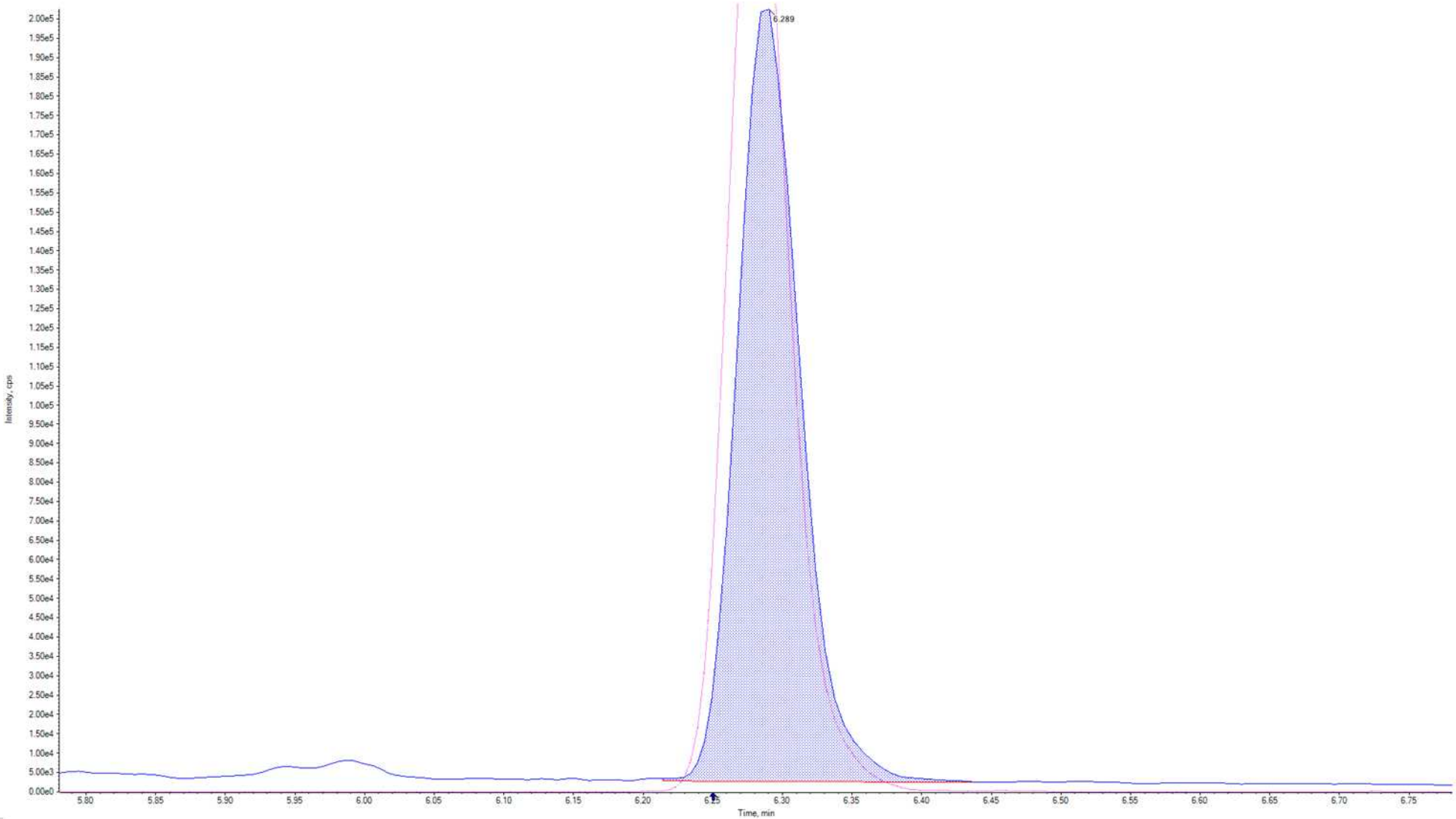
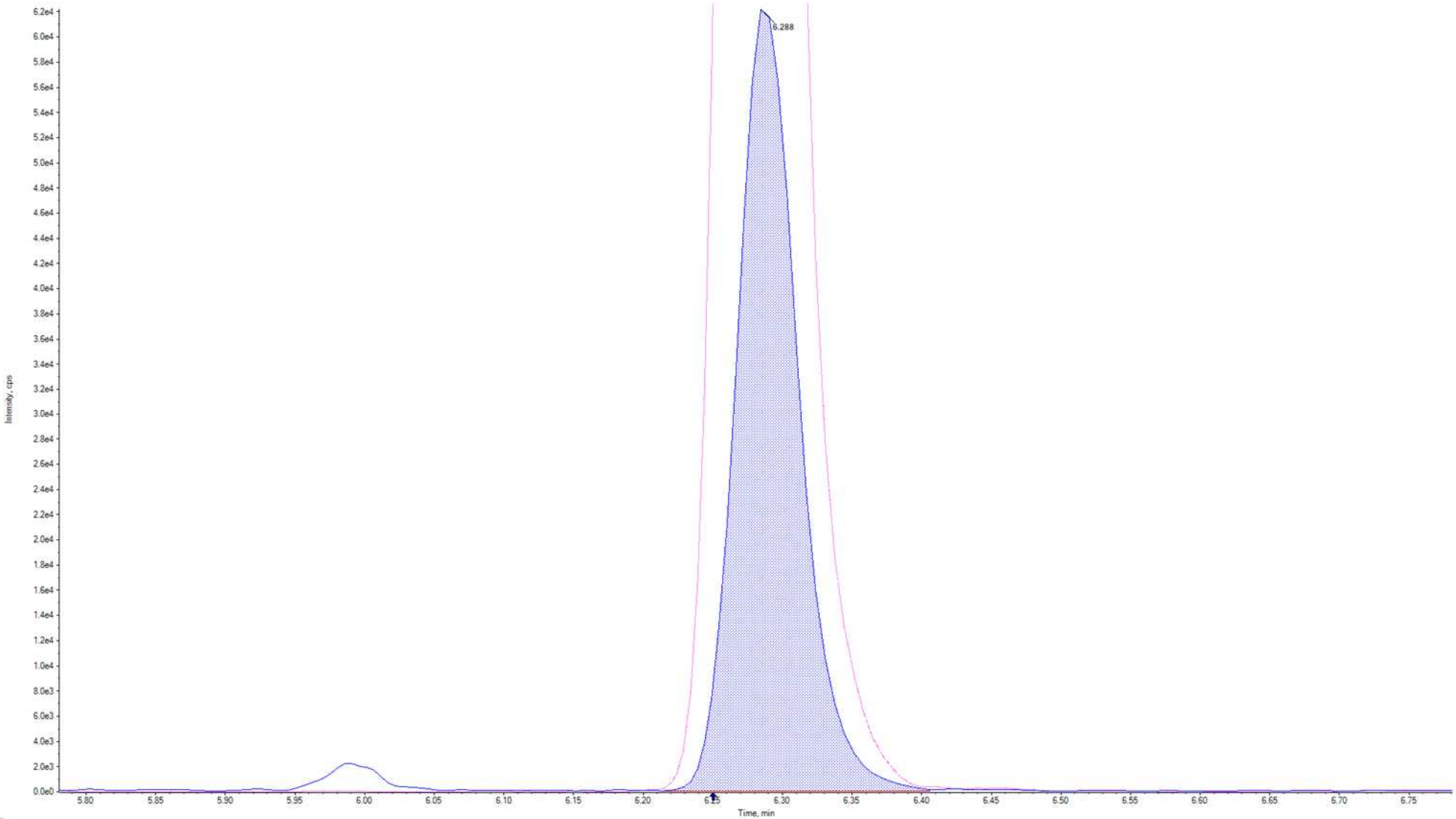
PFHpA
Sample: L2447503-07 S/N:731.8 Points Across peak:38



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpA_2
Sample: L2447503-07 S/N:1647.0 Points Across peak:32



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
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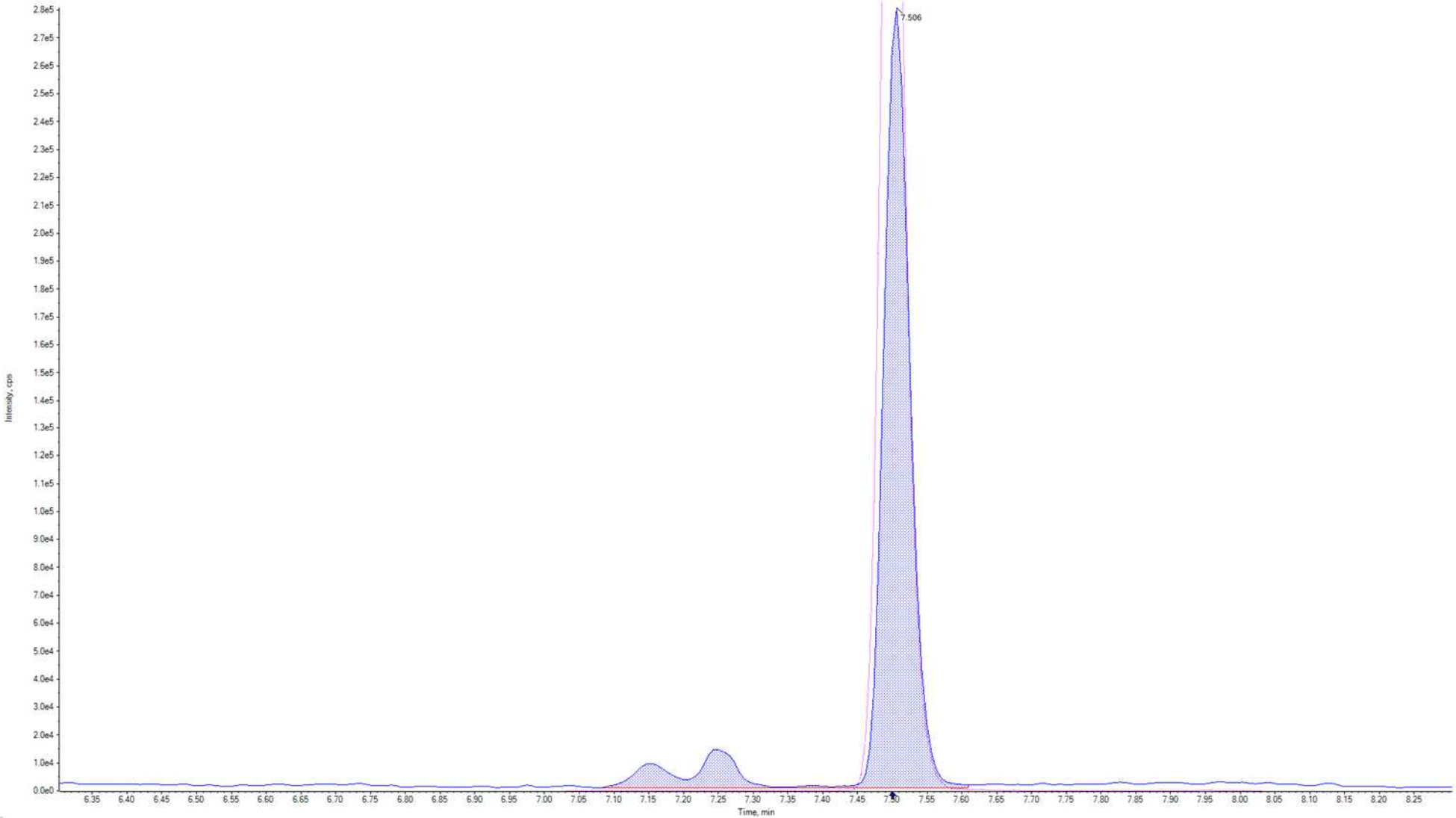
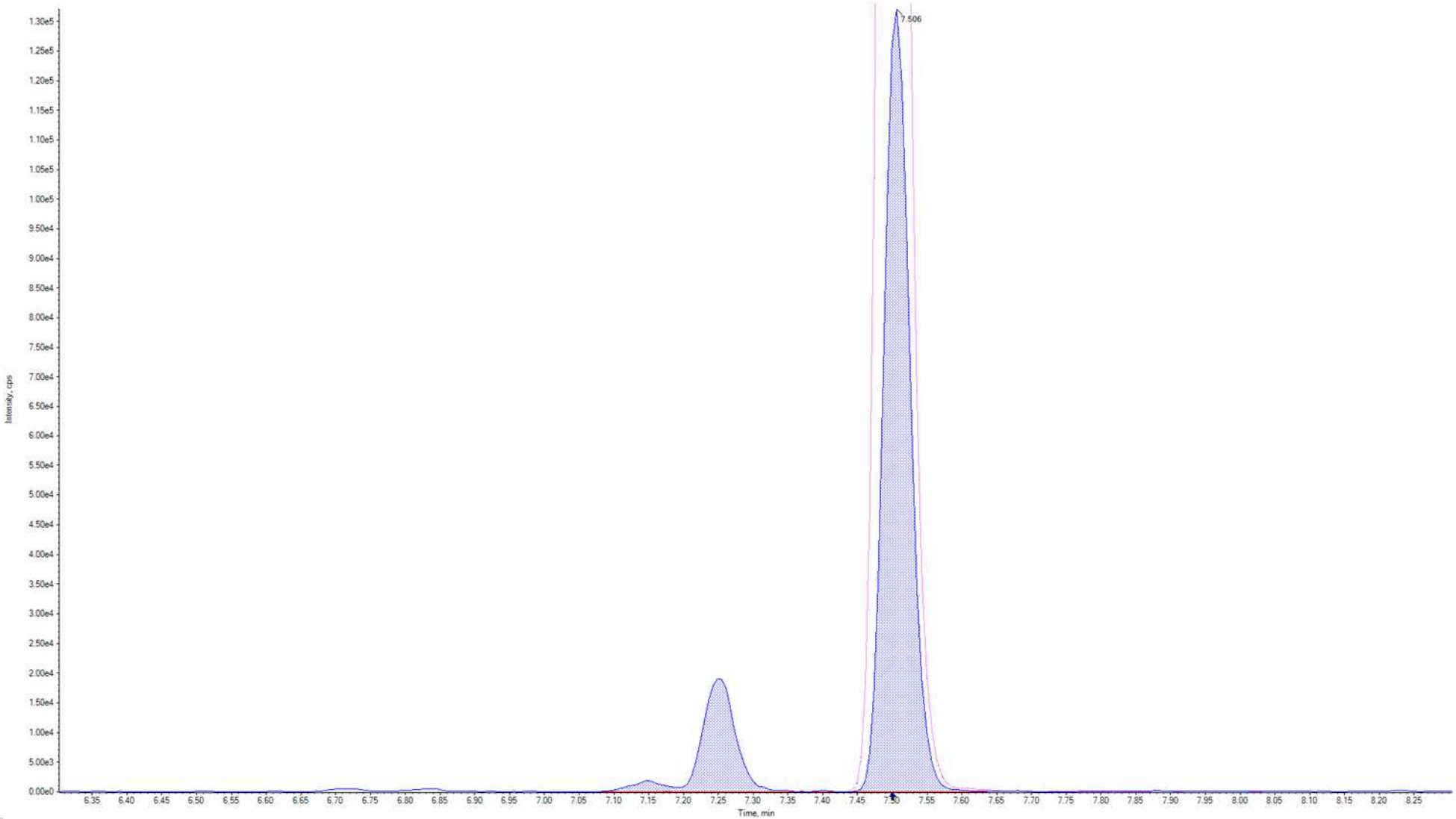
PFOA
Sample: L2447503-07 S/N:1146.8 Points Across peak:86



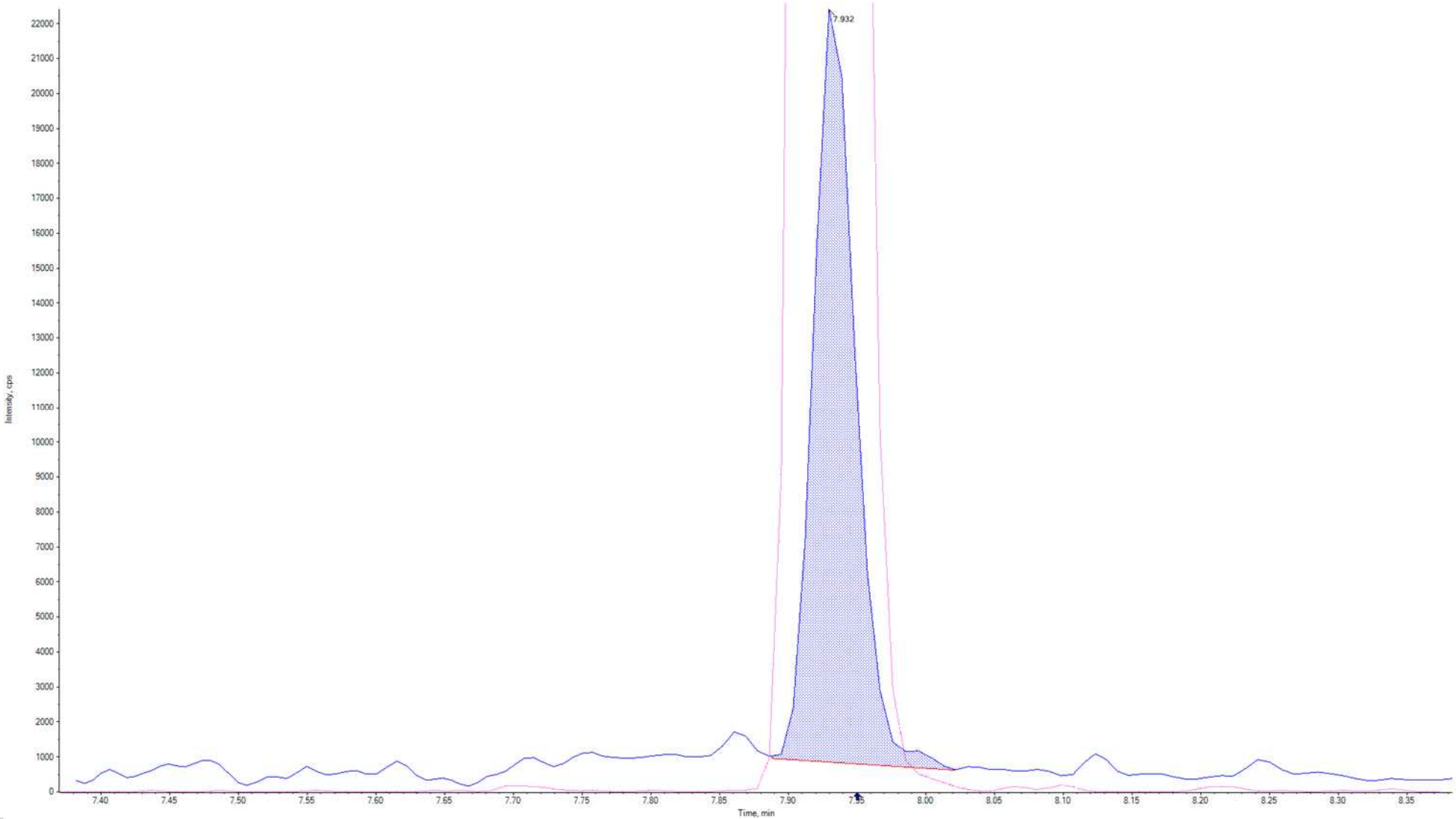
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOA_2
Sample: L2447503-07 S/N:41966.3 Points Across peak:91



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNA
Sample: L2447503-07 S/N:287.9 Points Across peak:16



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
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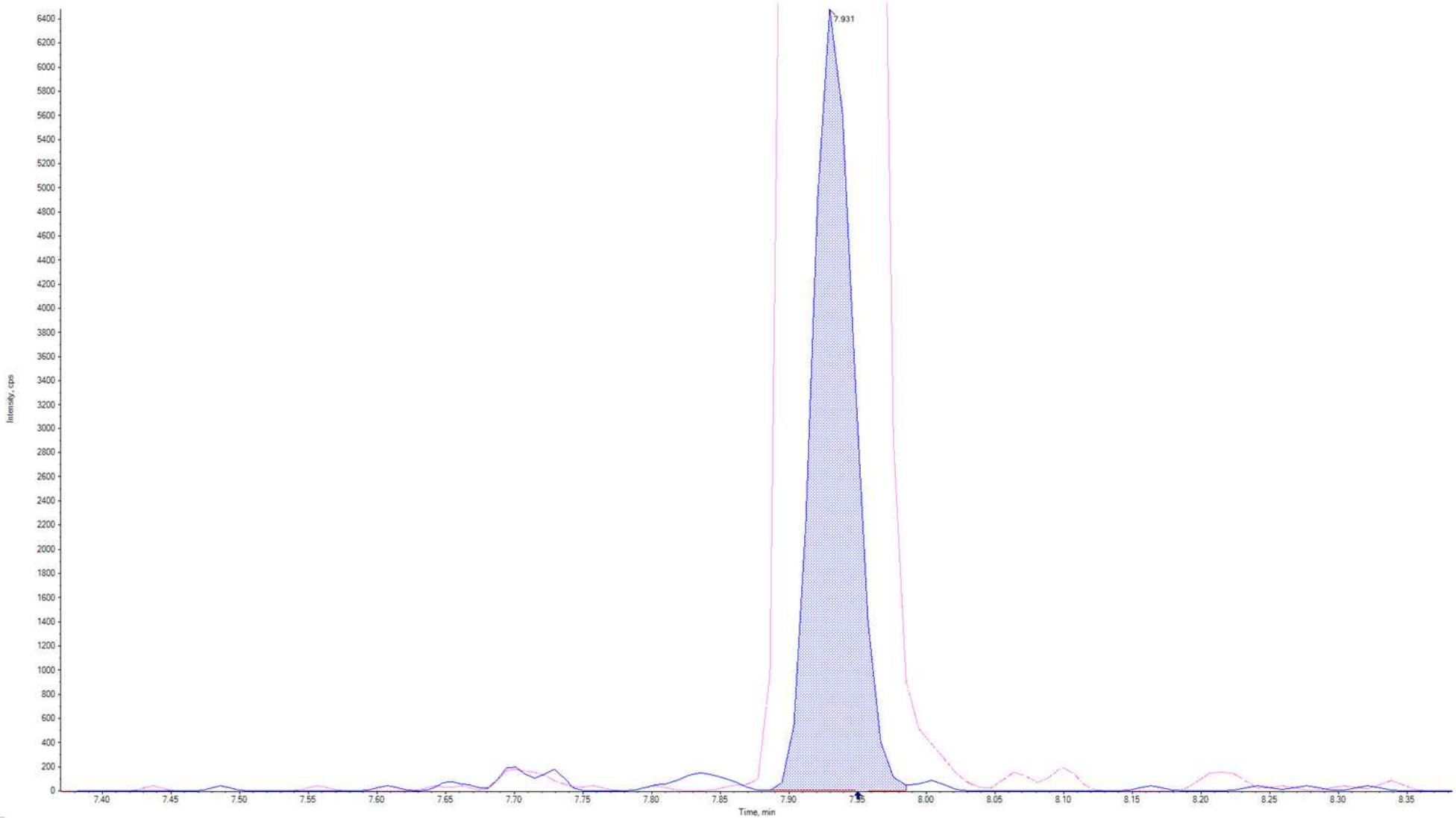
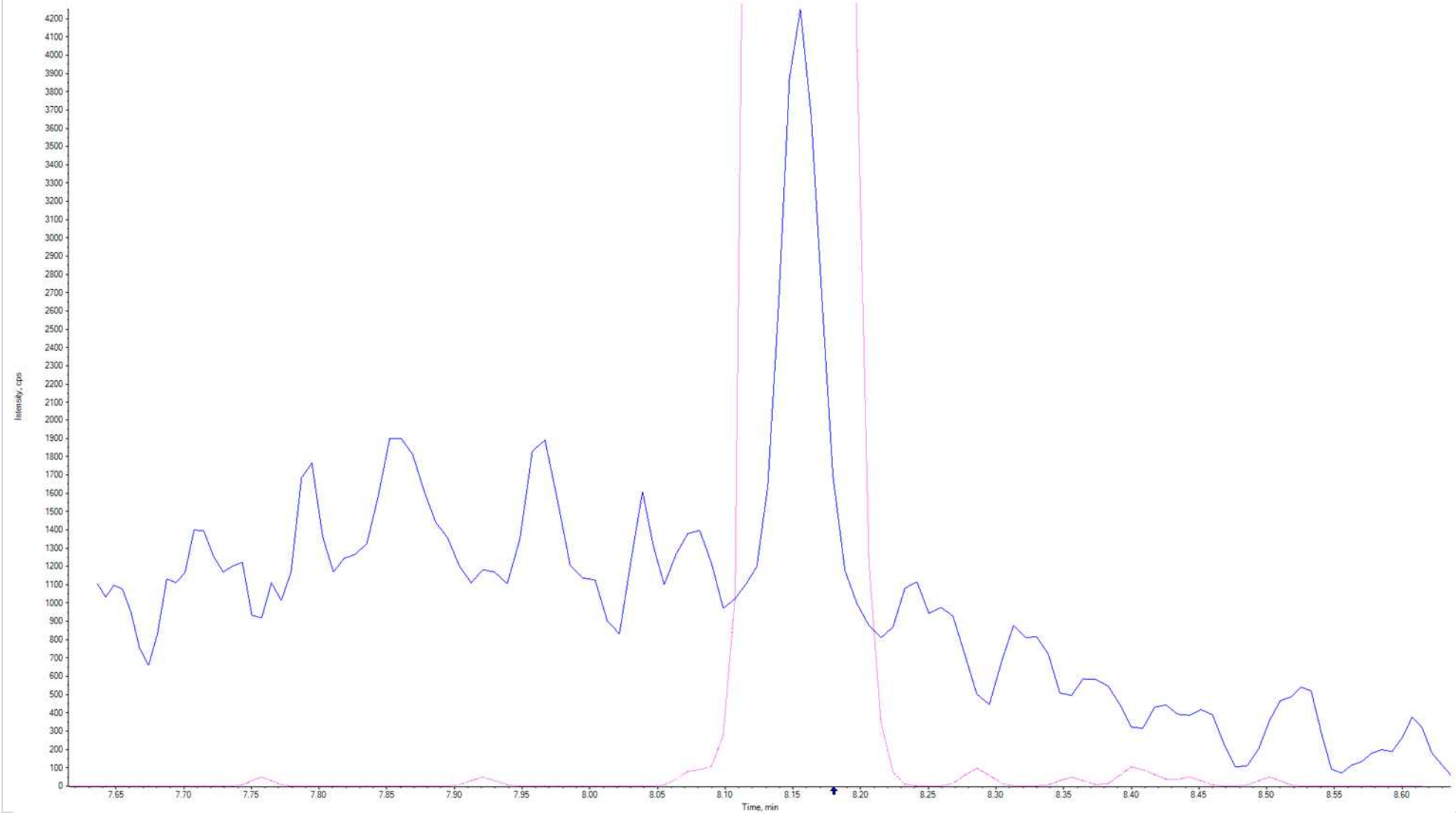
PFNA_2
Sample: L2447503-07 S/N:695.3 Points Across peak:12



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
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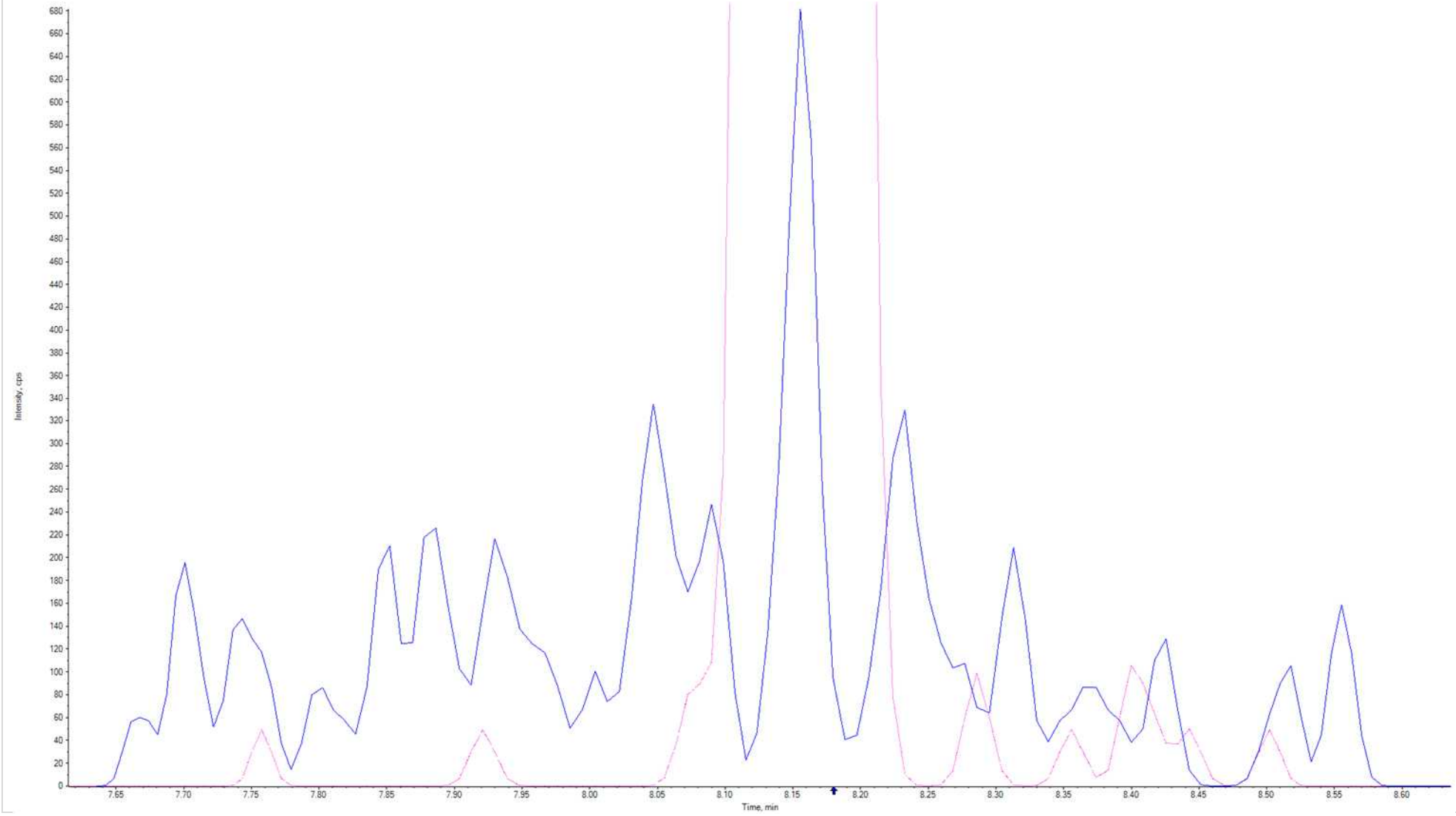
PFDA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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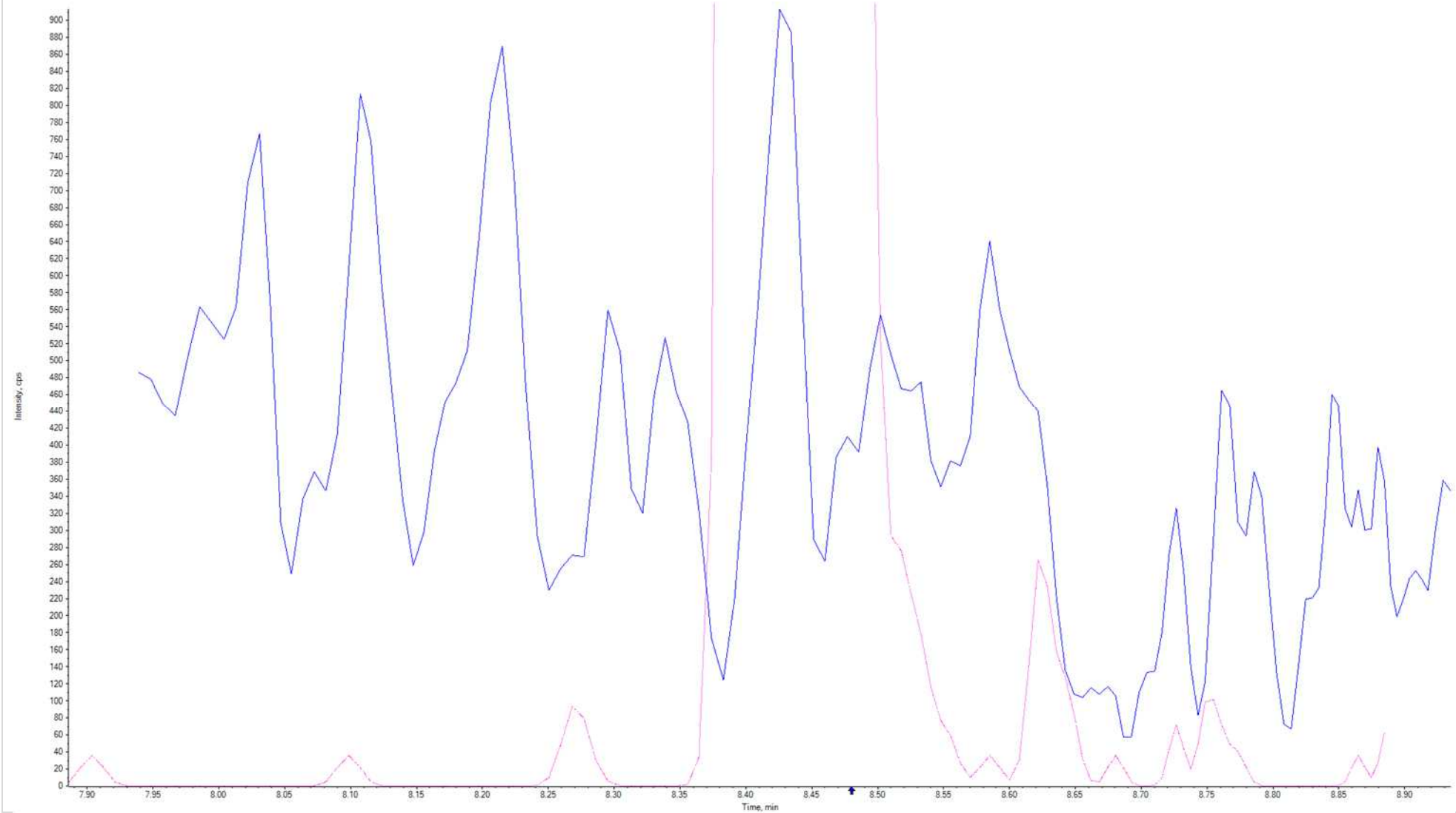
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFUnA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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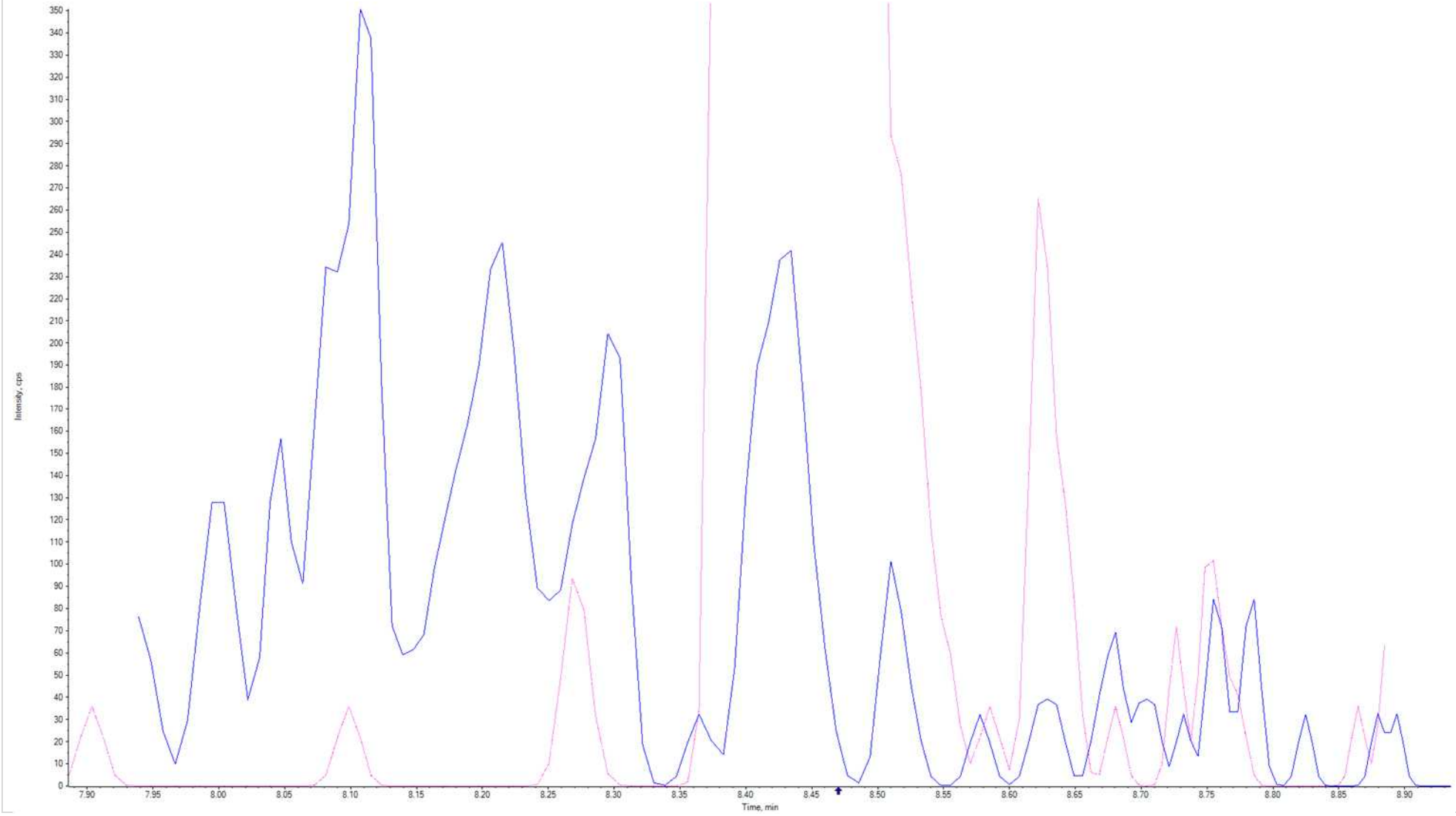
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFUnA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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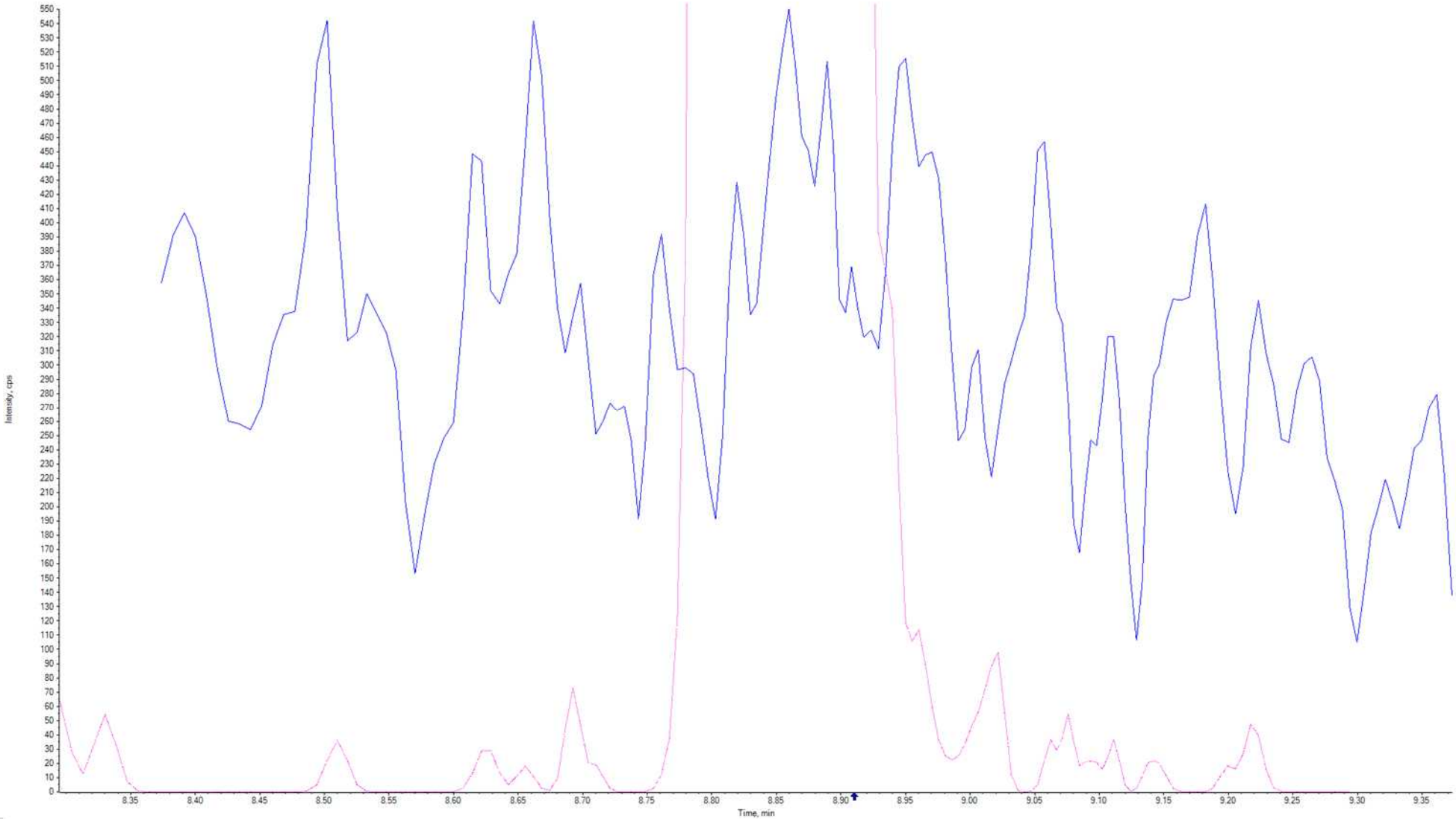
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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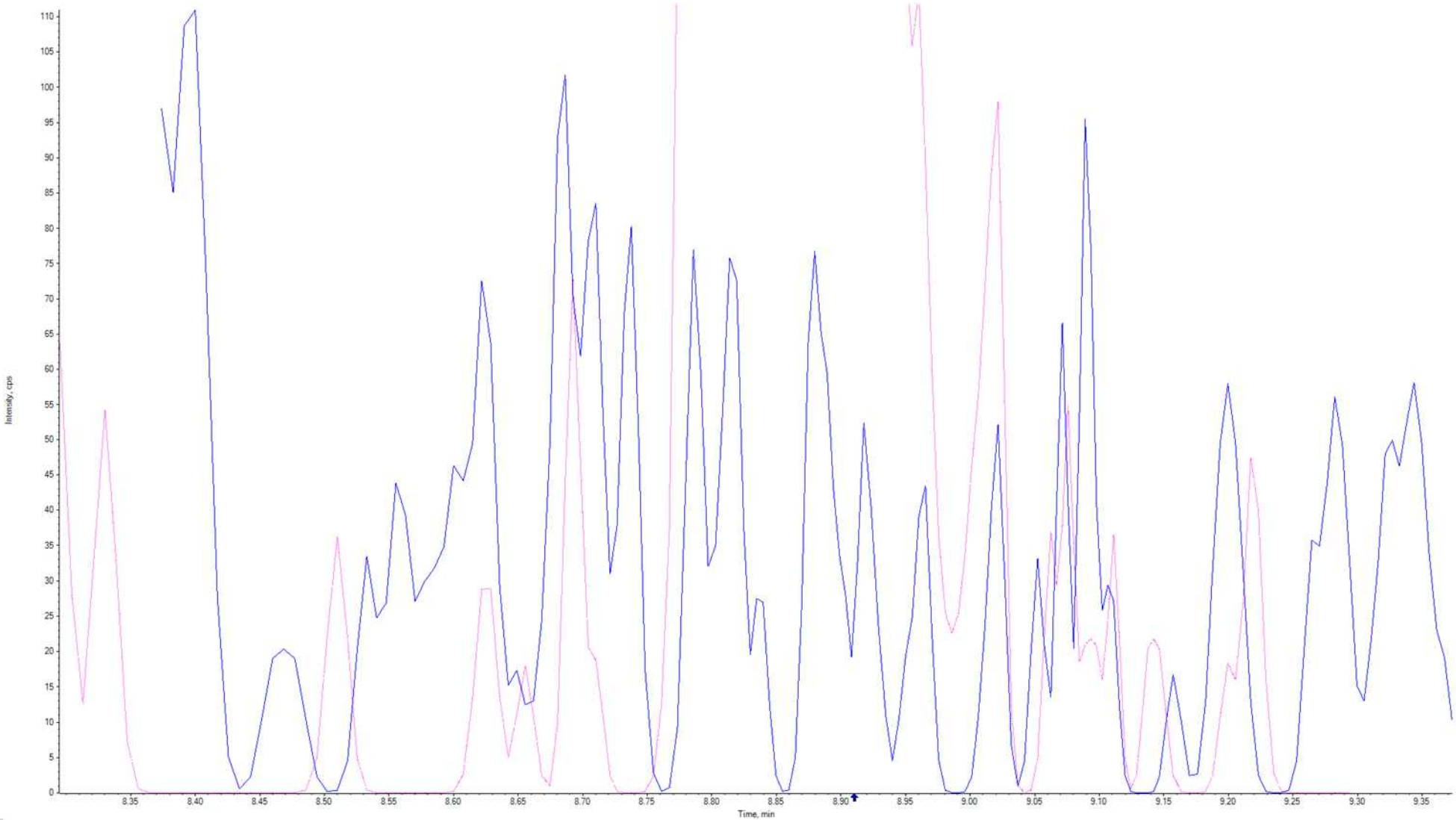
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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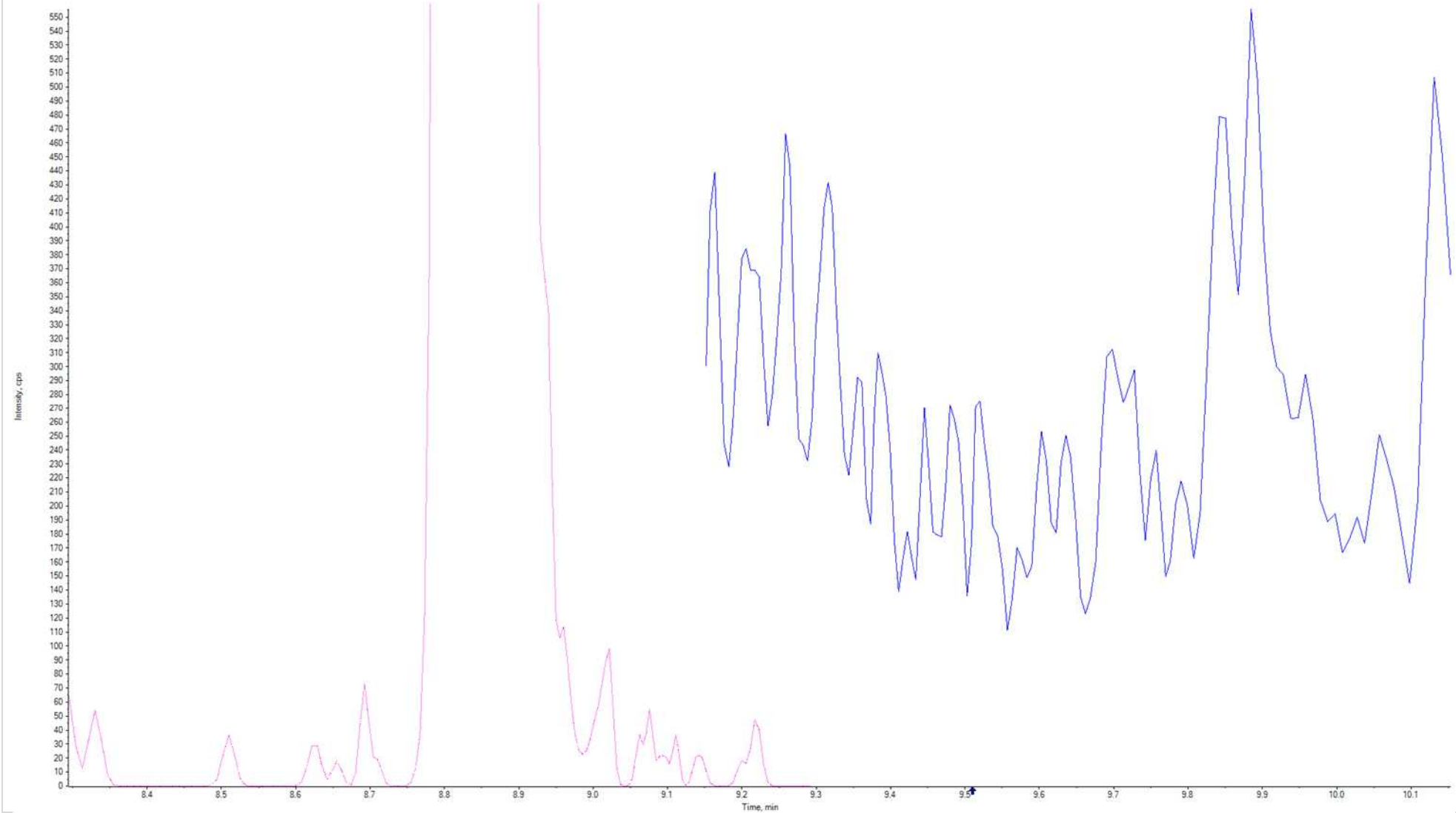
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTrDA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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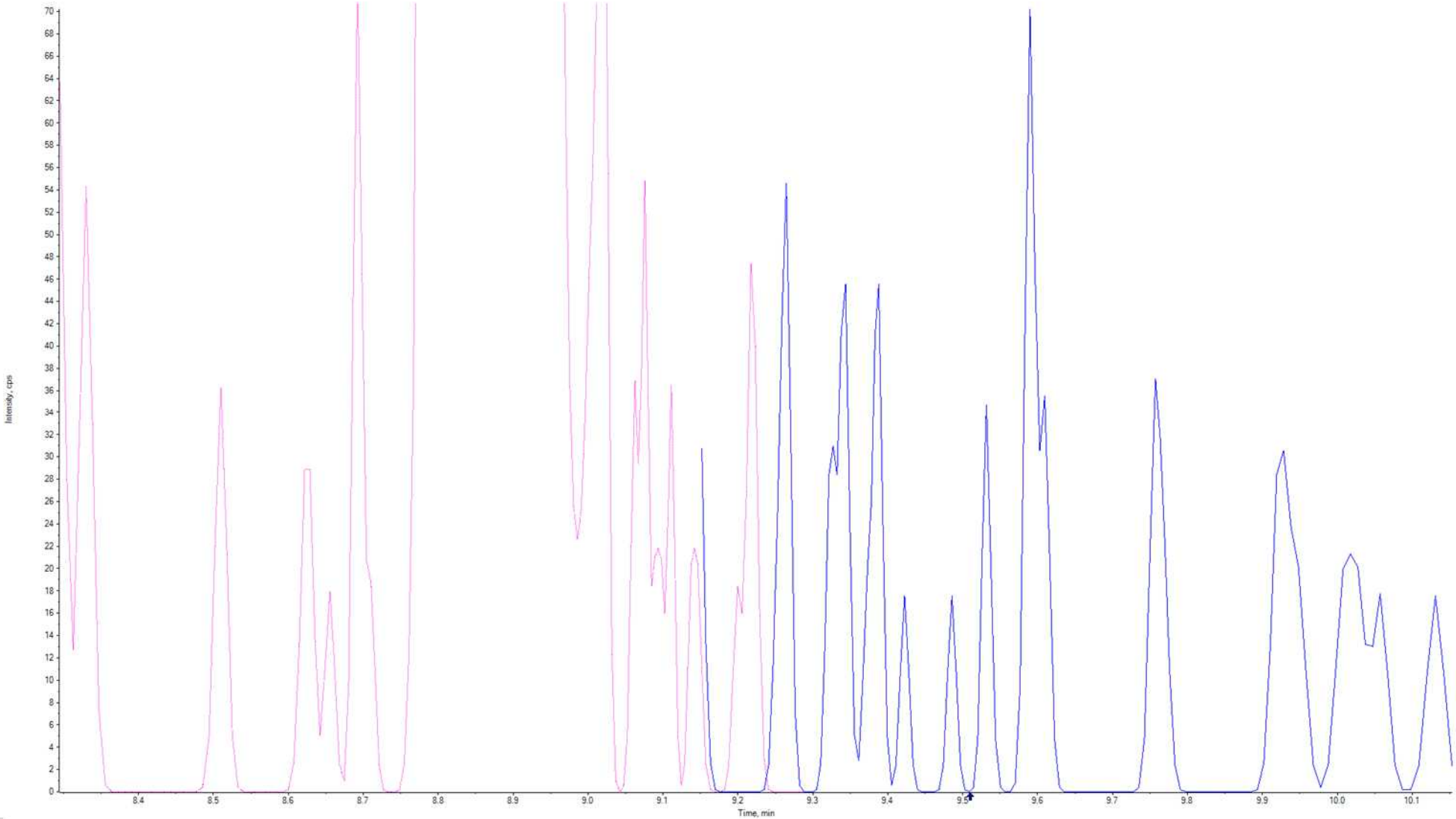
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTrDA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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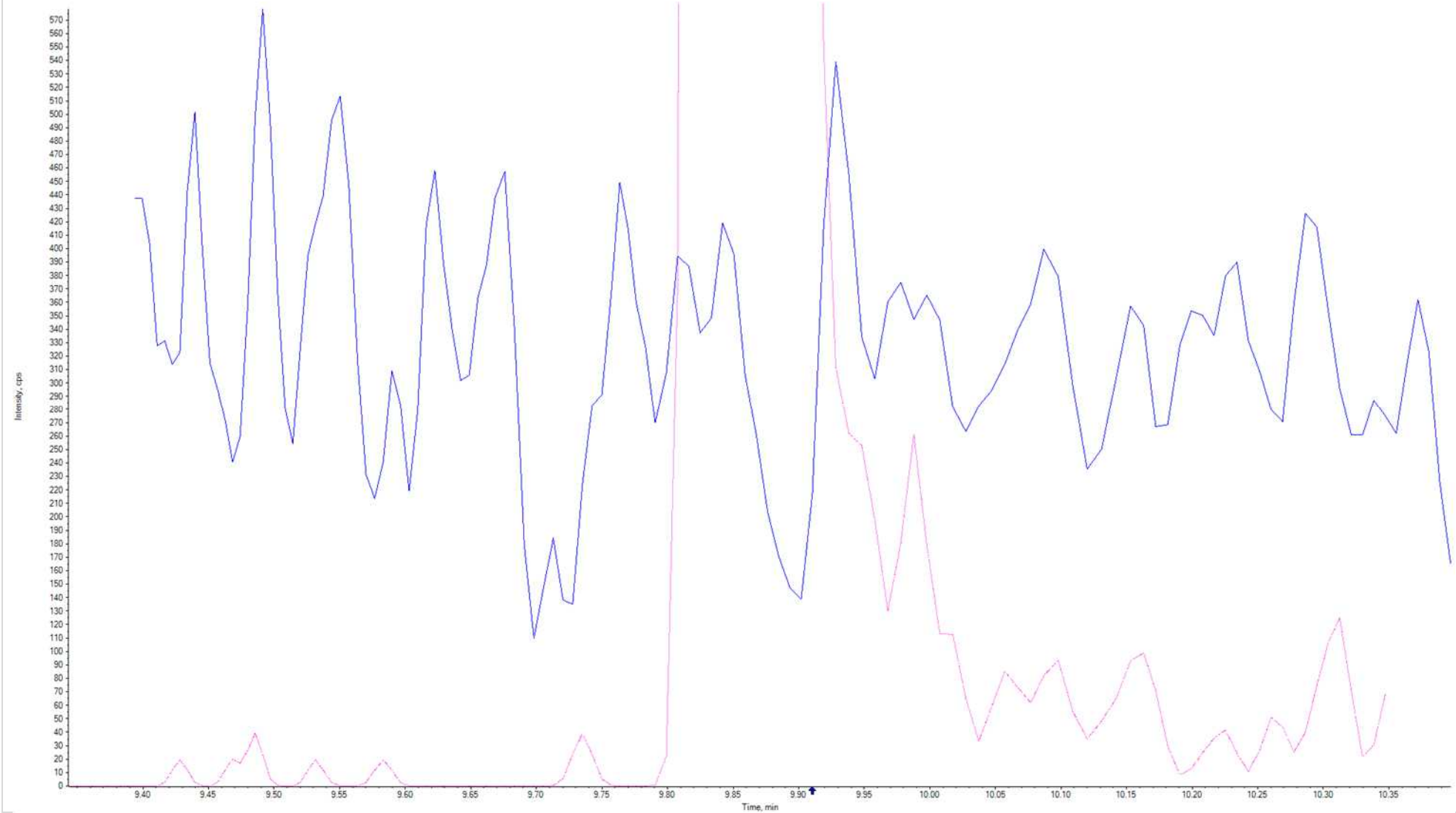
PFTeDA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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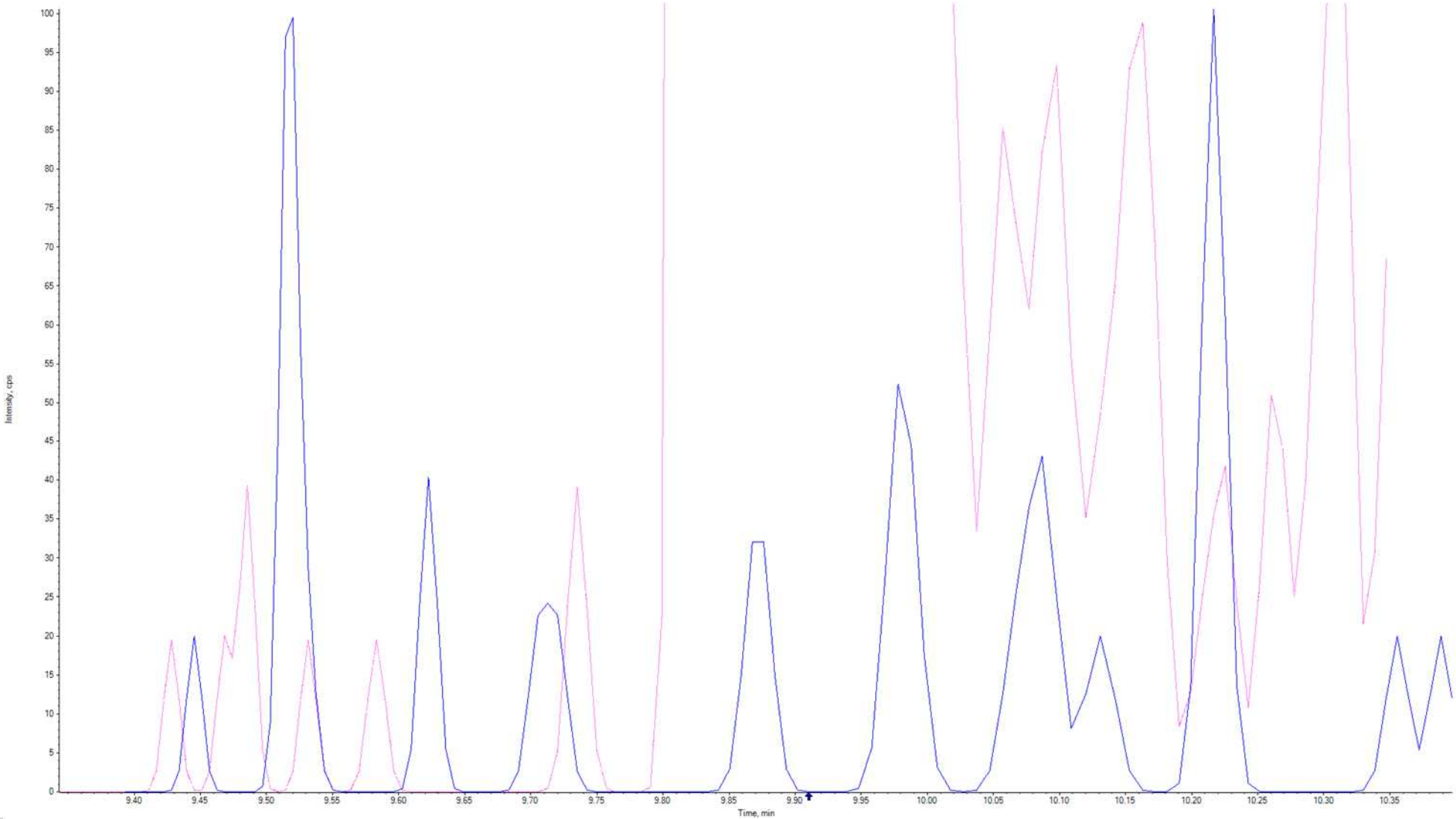
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTeDA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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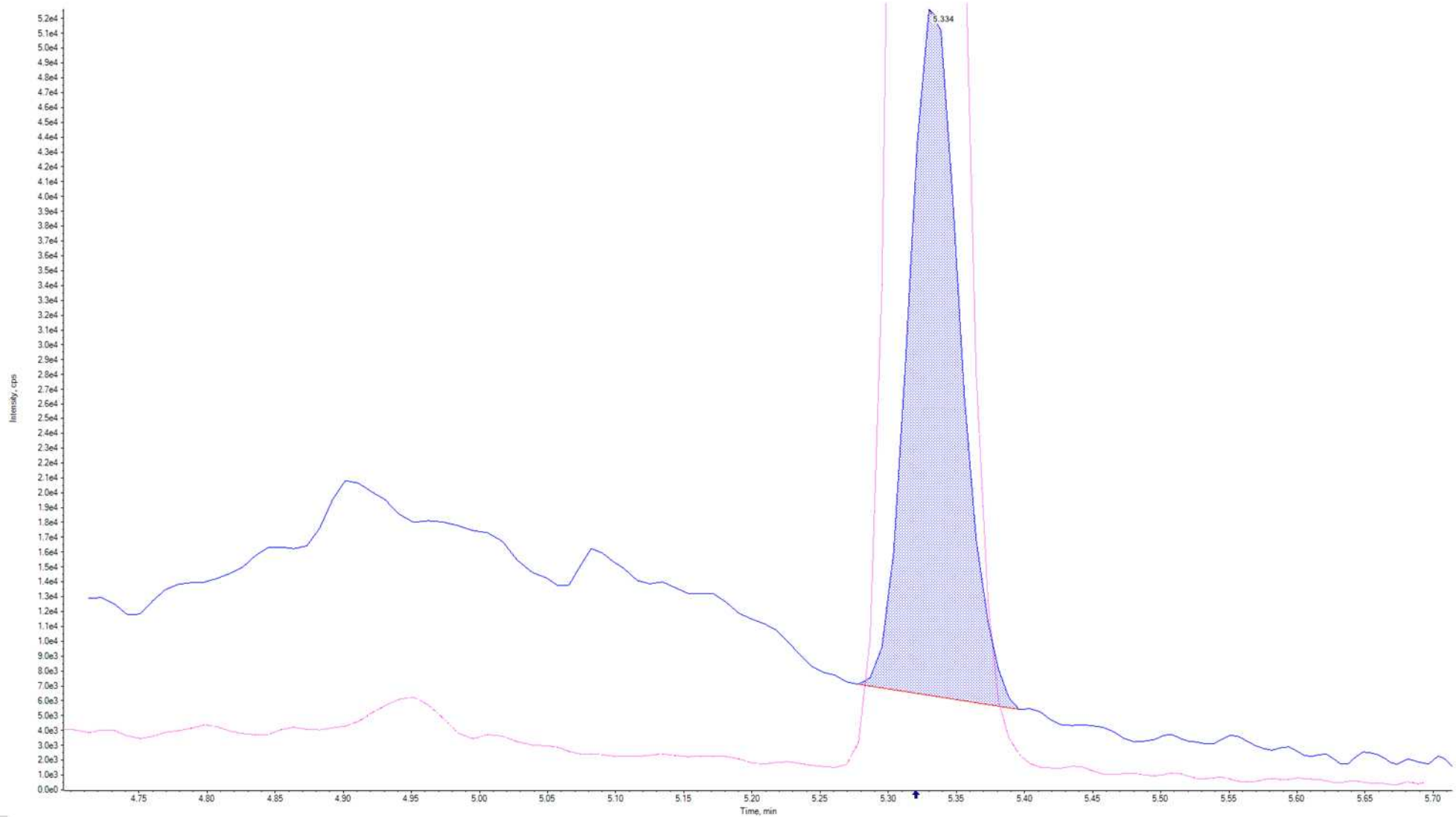
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBS
Sample: L2447503-07 S/N:63.5 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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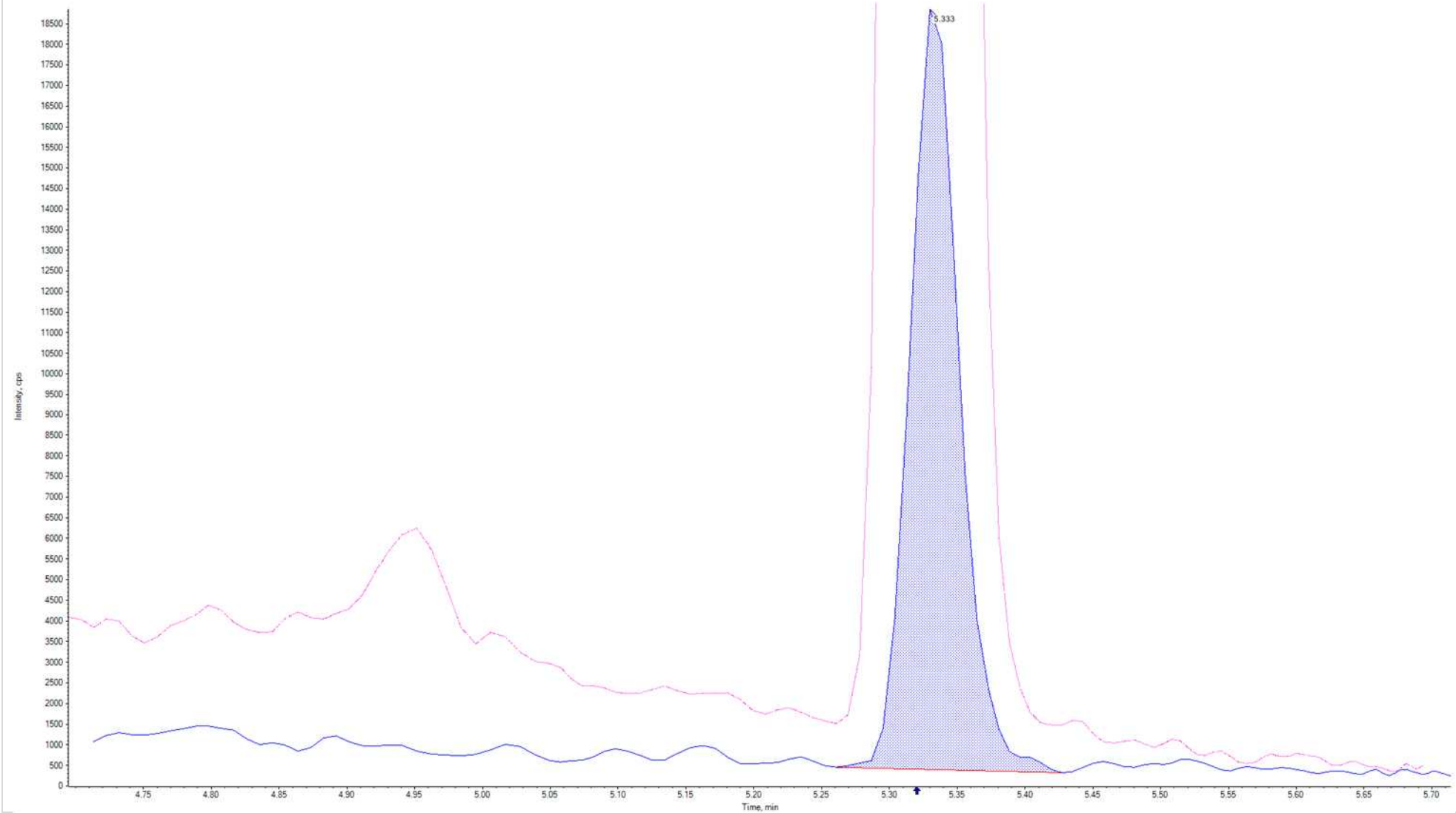
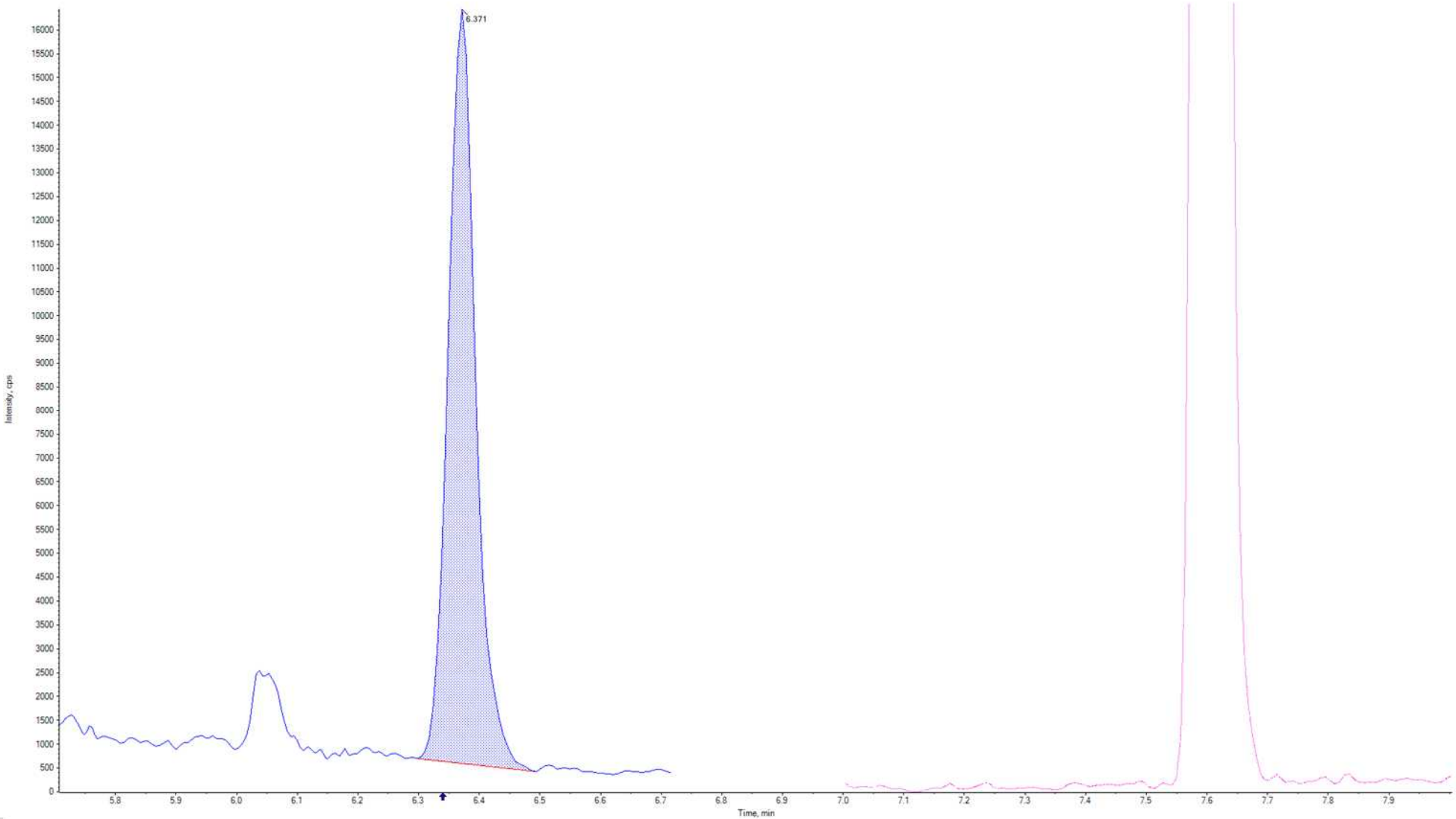
Generated: 9/17/2024 6:15:27 AM

PFBS_2
Sample: L2447503-07 S/N:272.2 Points Across peak:21



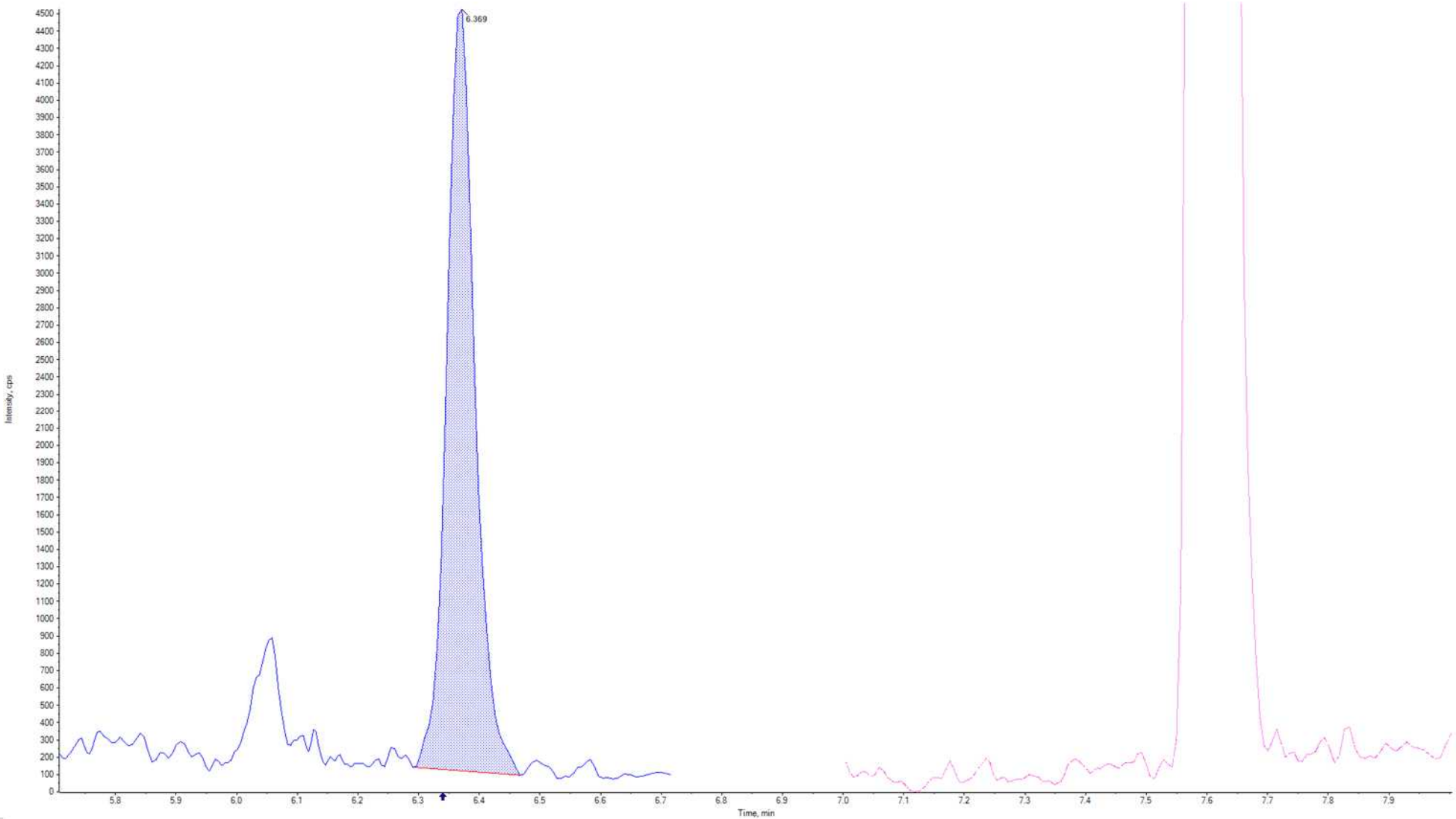
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeS
Sample: L2447503-07 S/N:374.2 Points Across peak:30



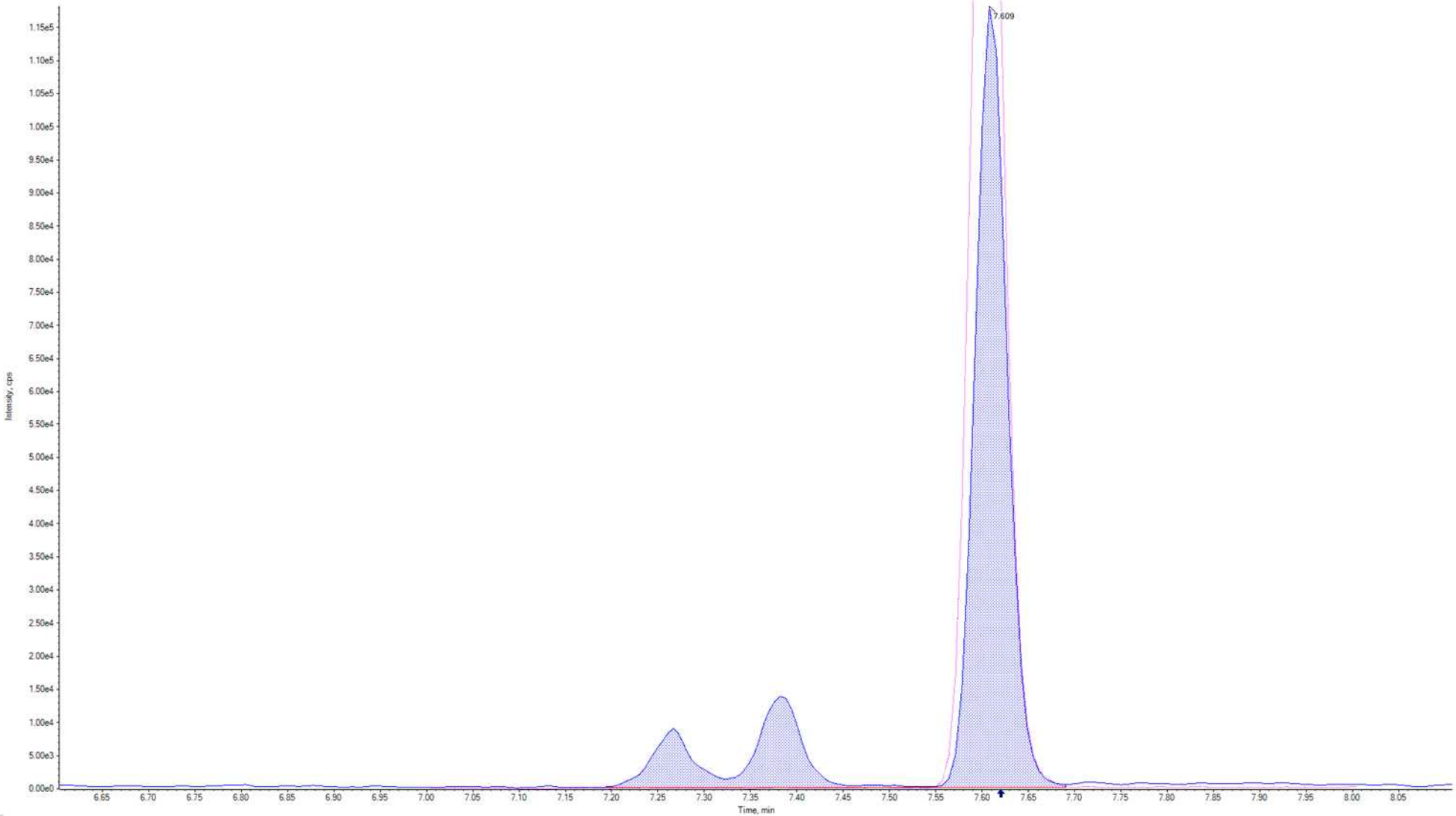
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeS_2
Sample: L2447503-07 S/N:233.0 Points Across peak:27



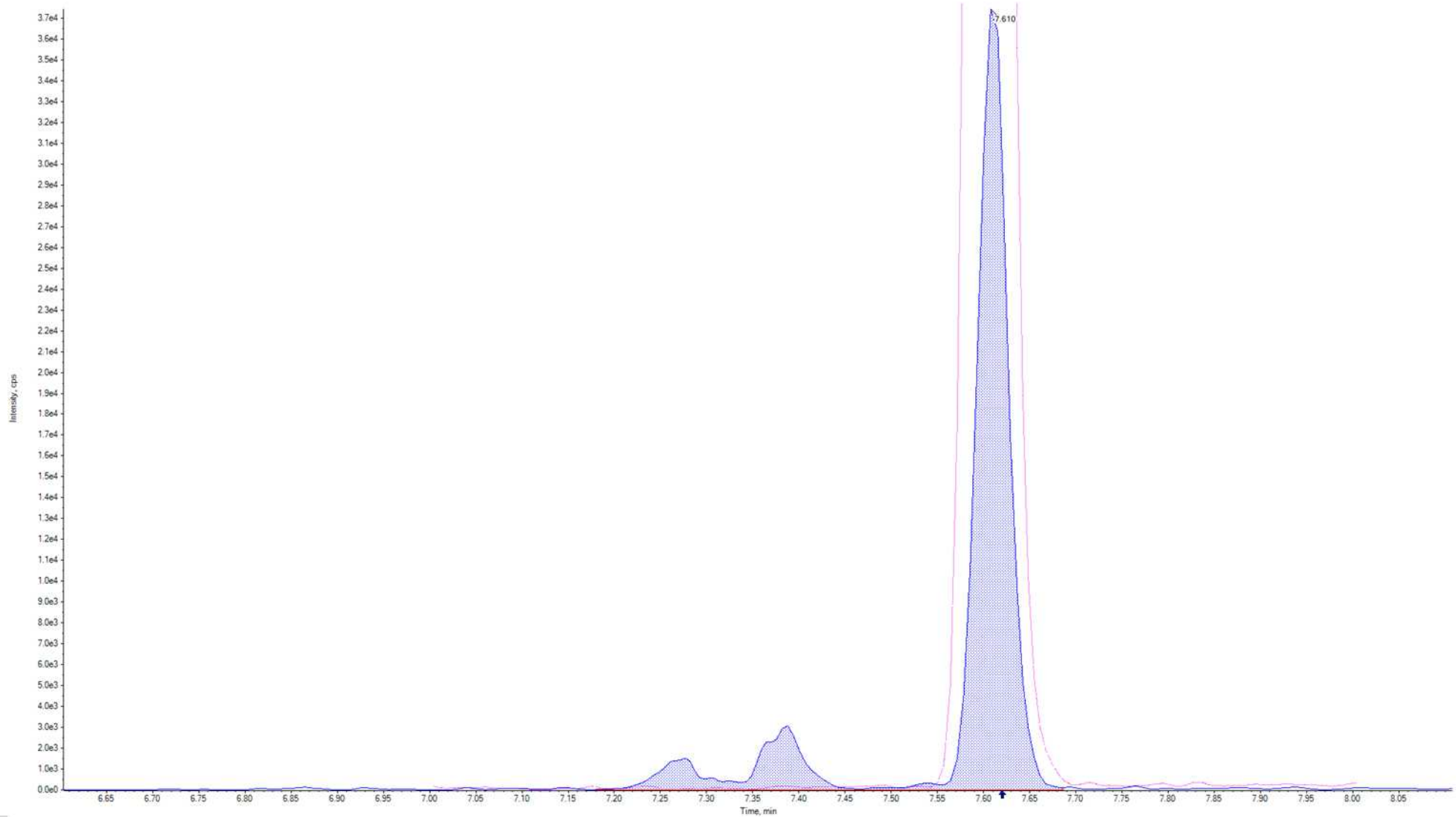
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxS
Sample: L2447503-07 S/N:1344.0 Points Across peak:83



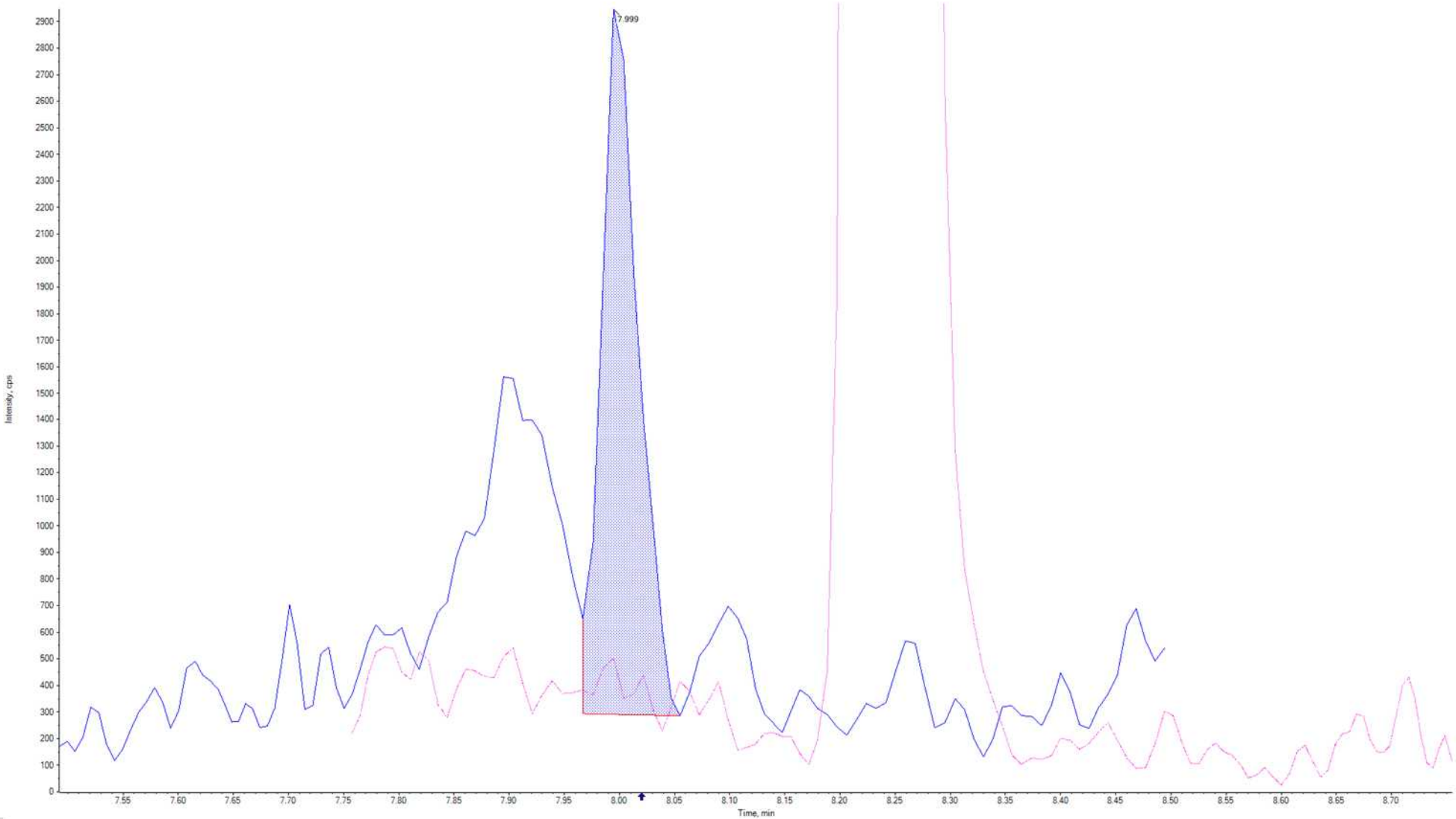
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxS_2
Sample: L2447503-07 S/N:1086.9 Points Across peak:84



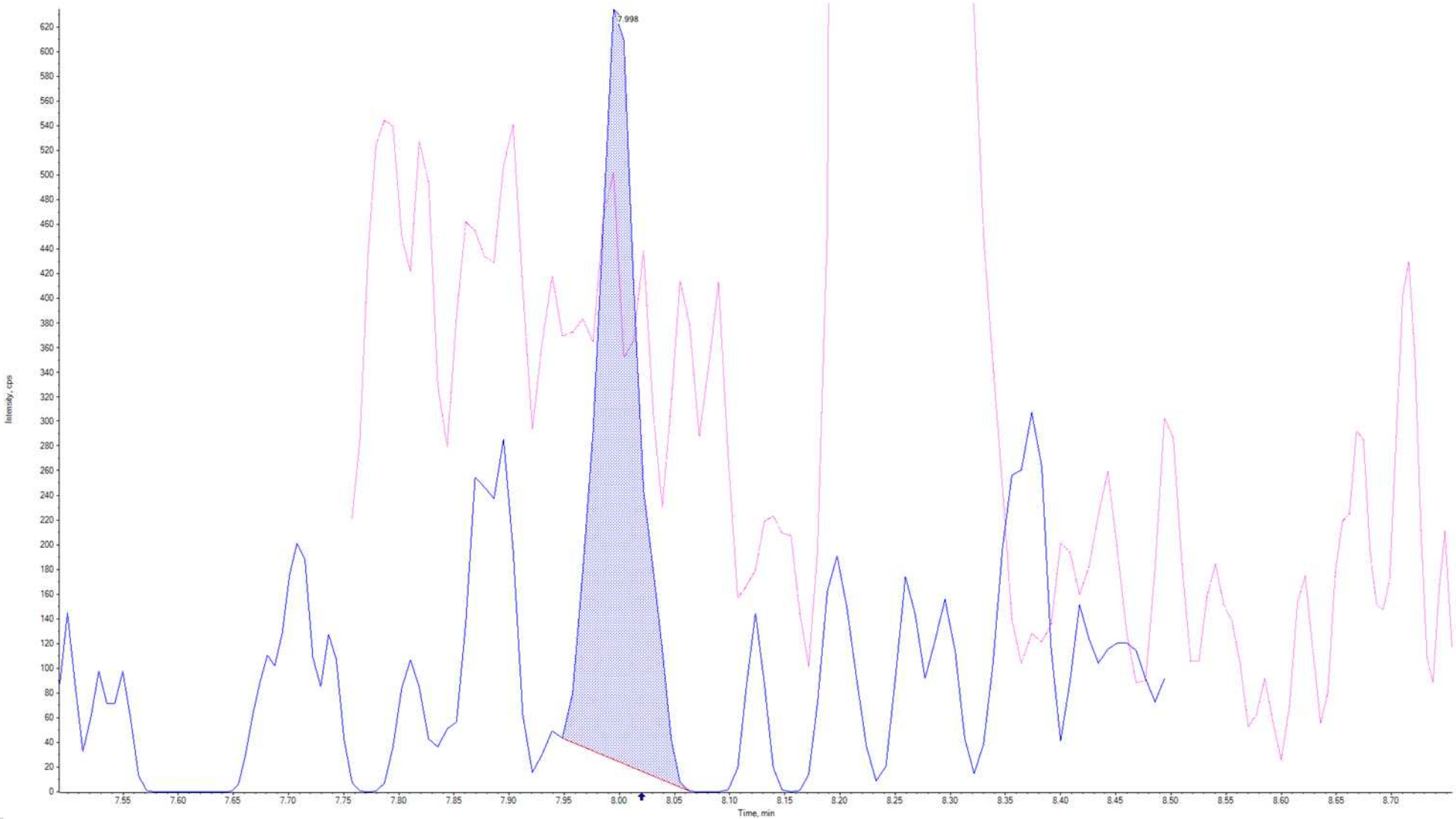
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpS
Sample: L2447503-07 S/N:64.0 Points Across peak:11



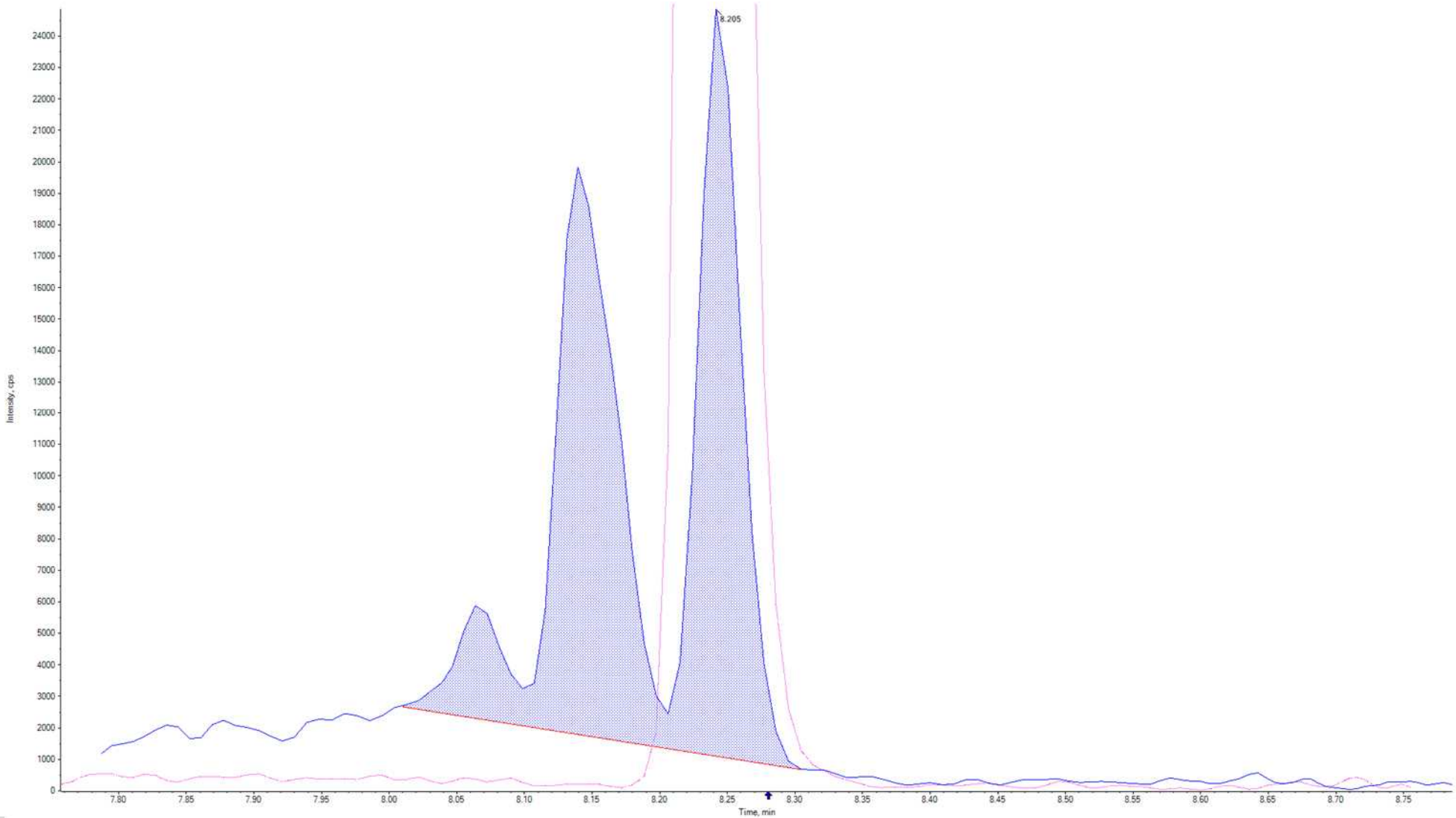
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpS_2
Sample: L2447503-07 S/N:18.2 Points Across peak:14



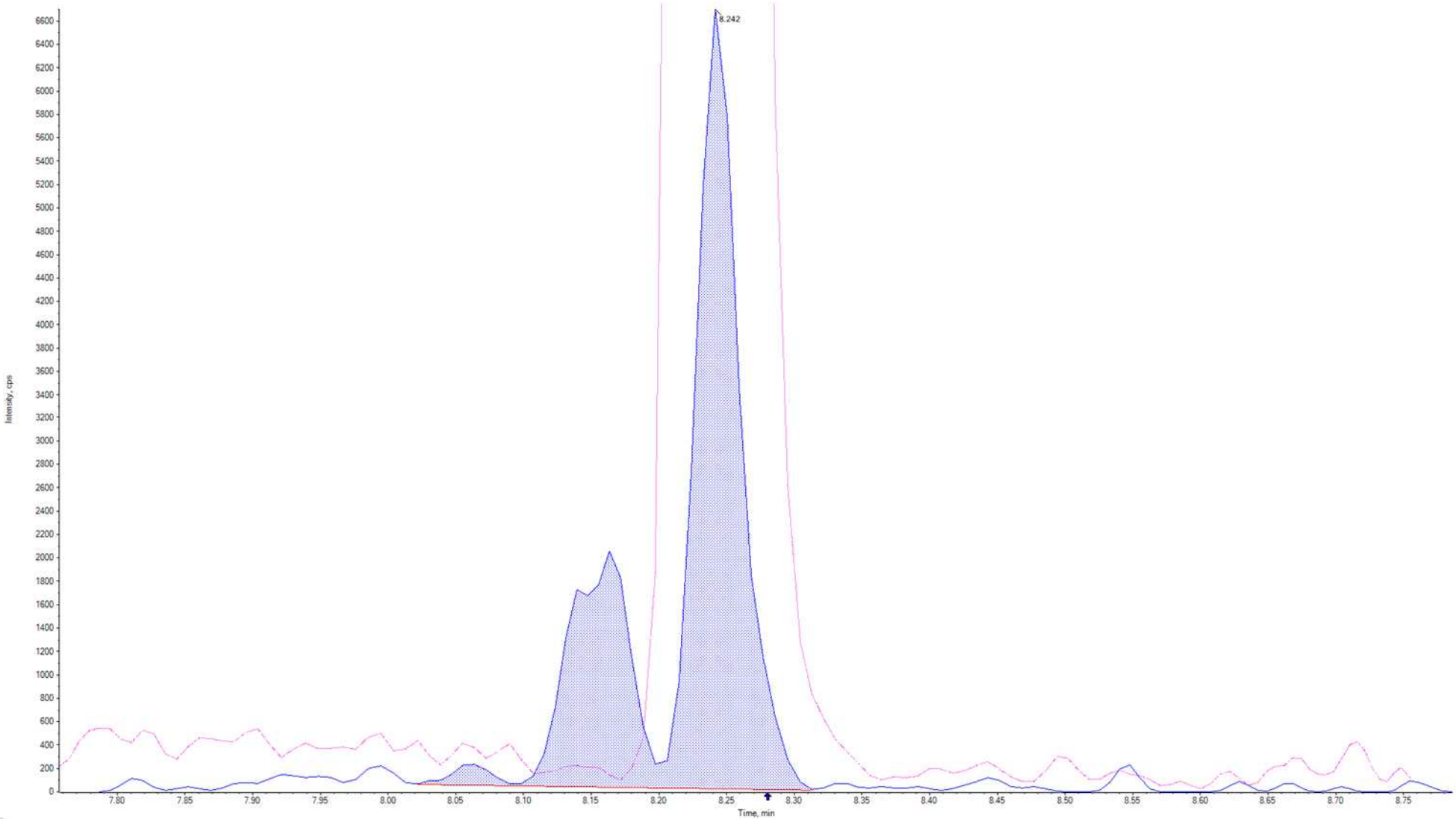
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOS
Sample: L2447503-07 S/N:389.0 Points Across peak:36



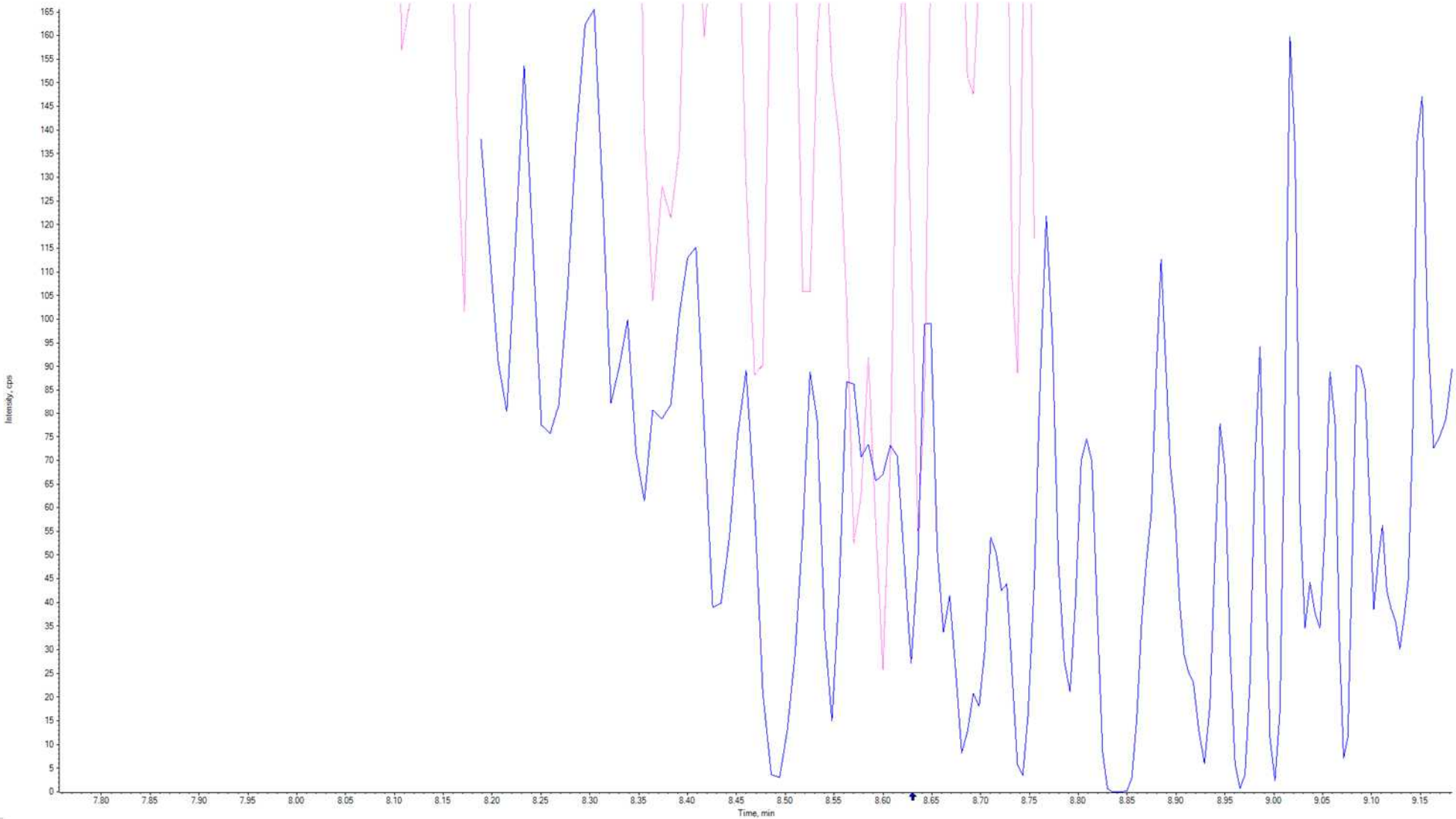
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOS_2
Sample: L2447503-07 S/N:50020.0 Points Across peak:35



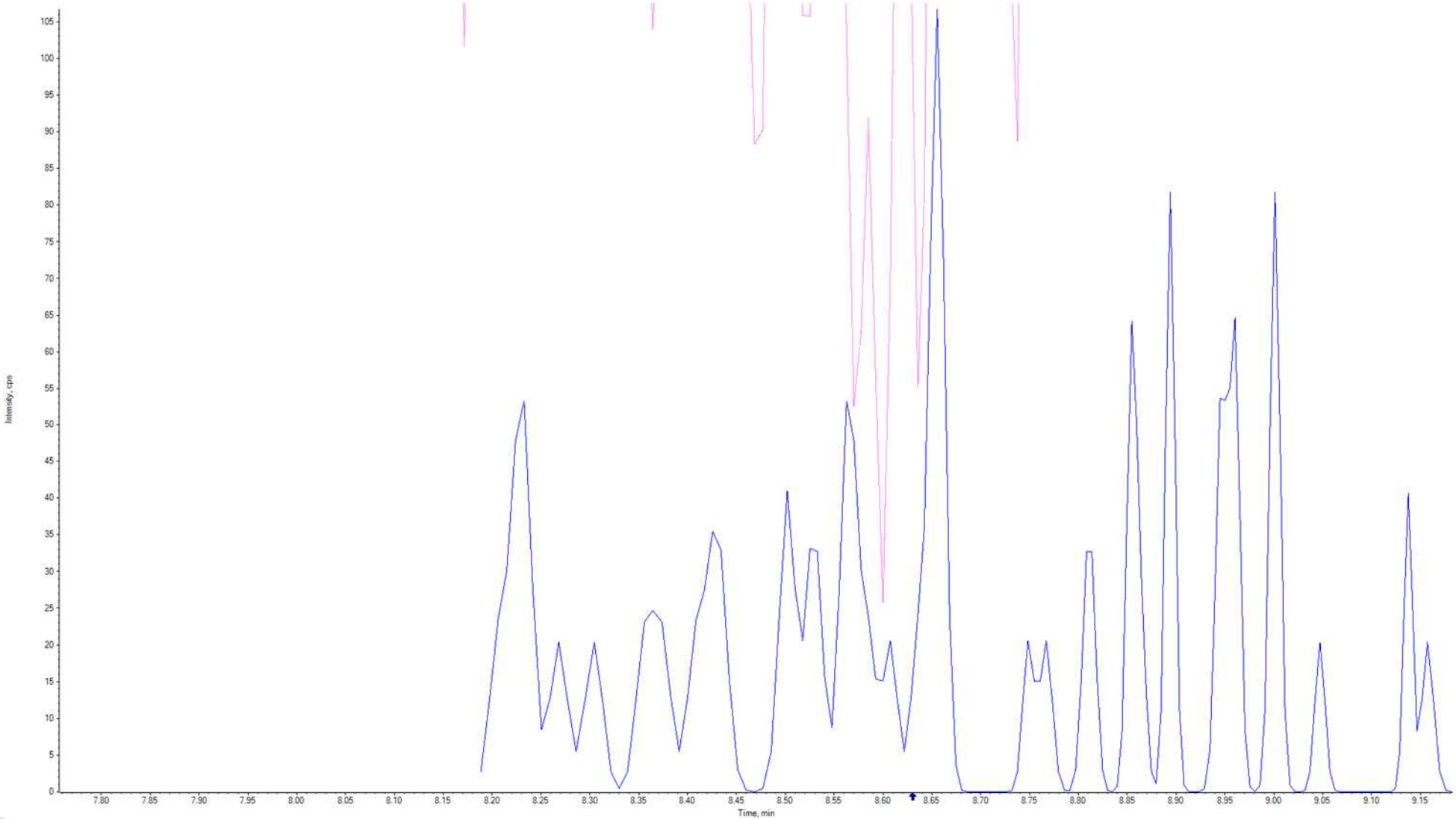
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNS
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNS_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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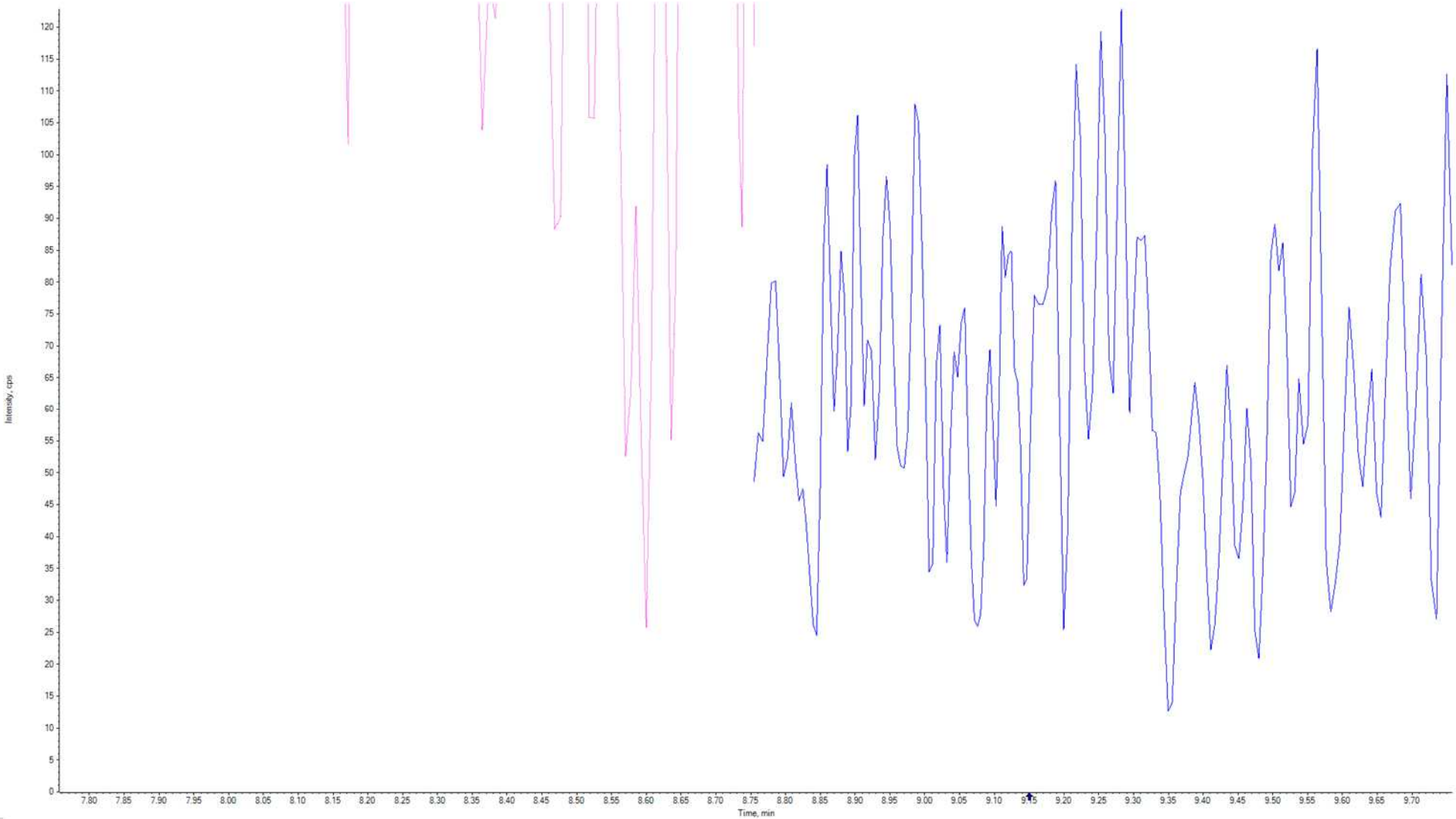
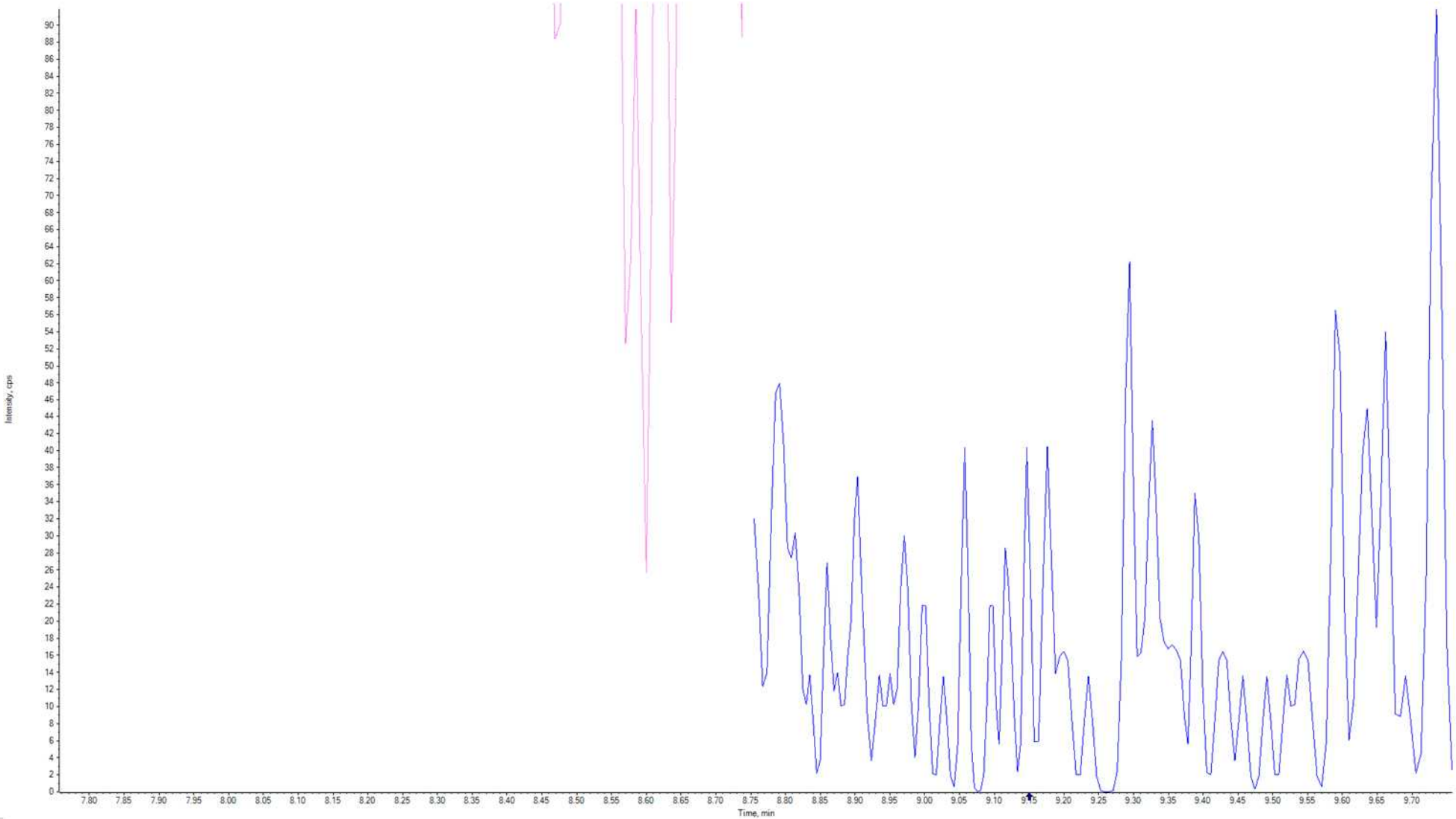
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDS
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



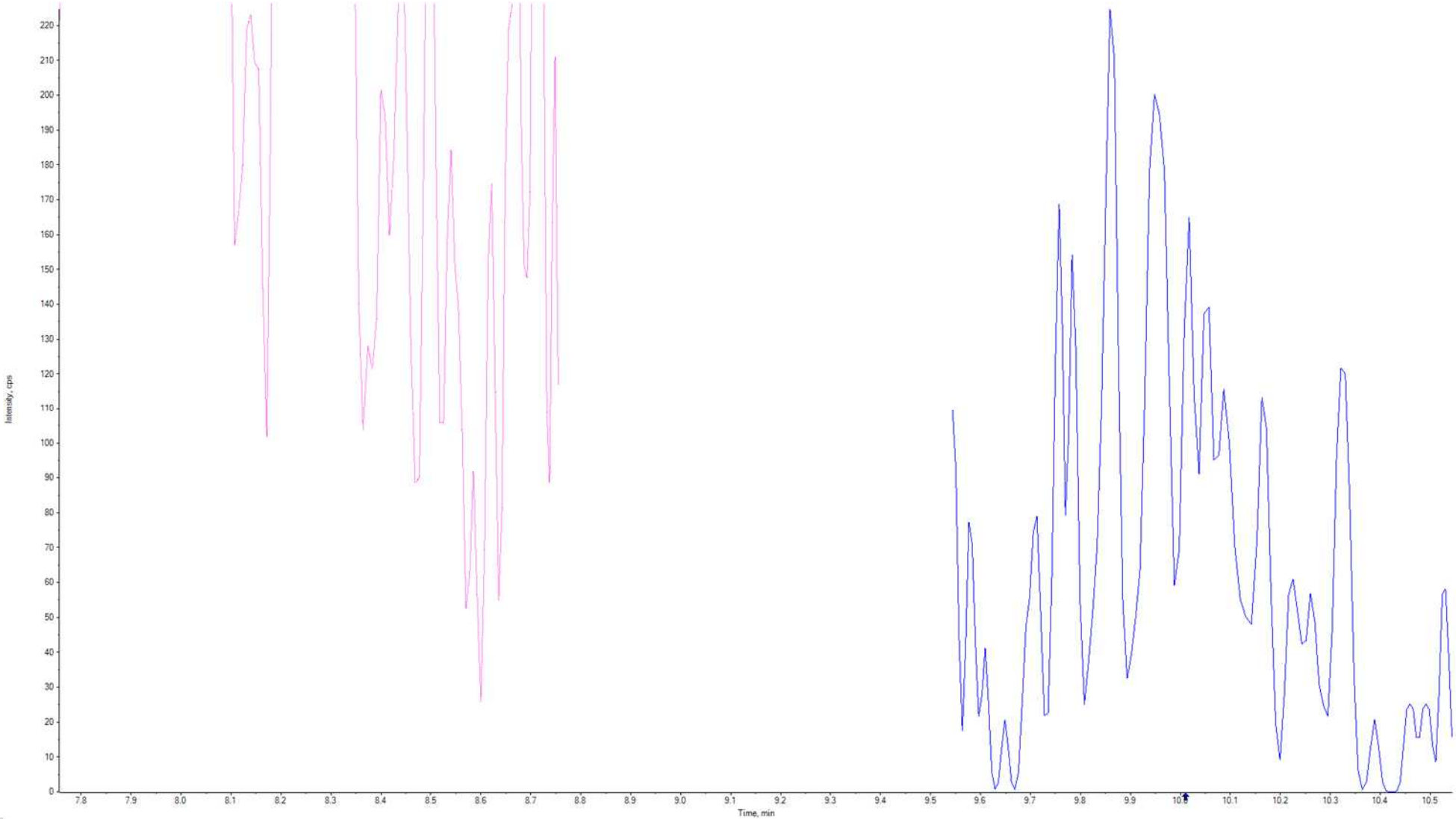
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDS_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



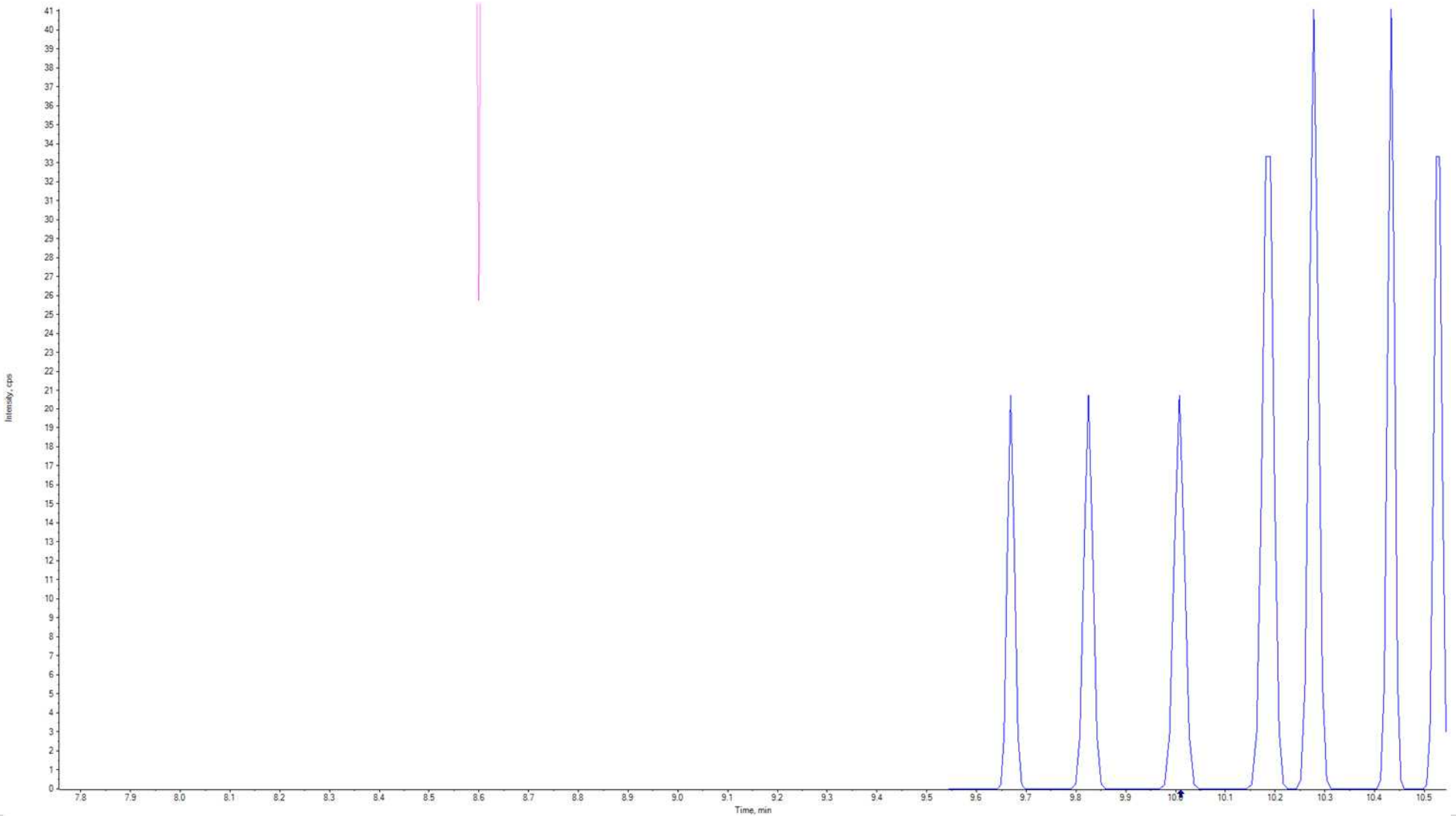
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoS
Sample: L2447503-07 S/N:N/A Points Across peak:N/A

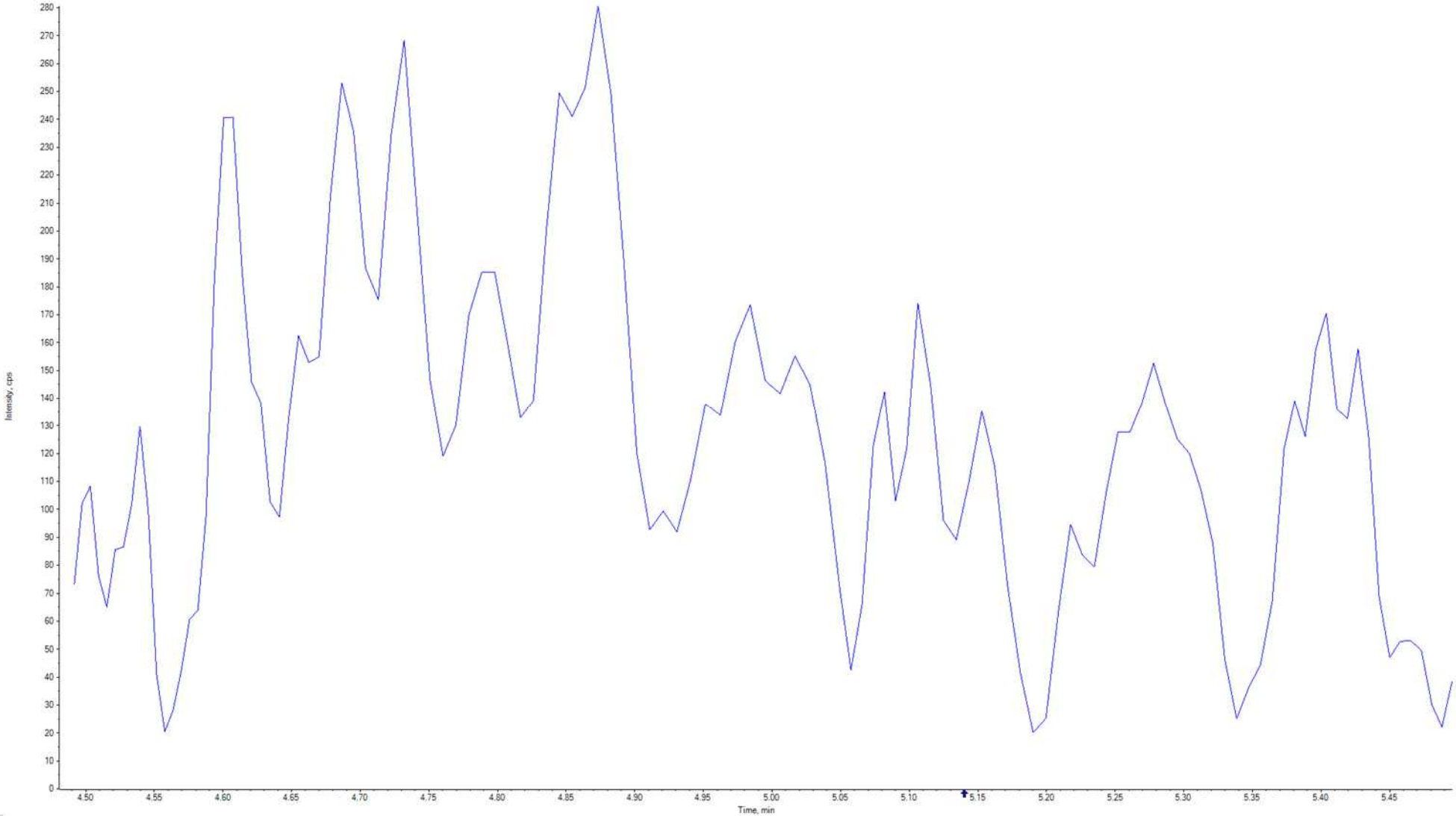


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

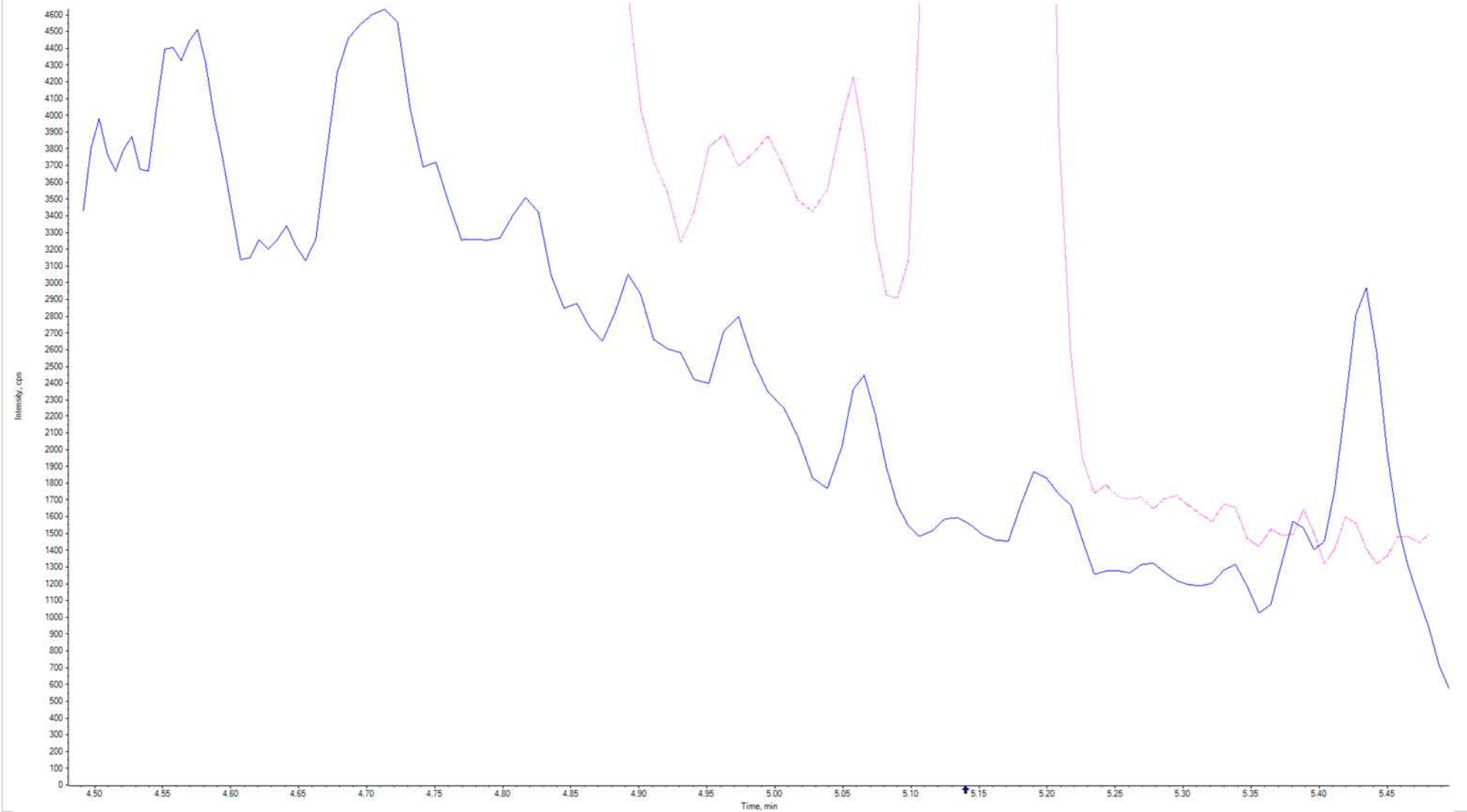
PFDoS_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



4:2FTS
Sample: L2447503-07 S/N:N/A Points Across peak:N/A

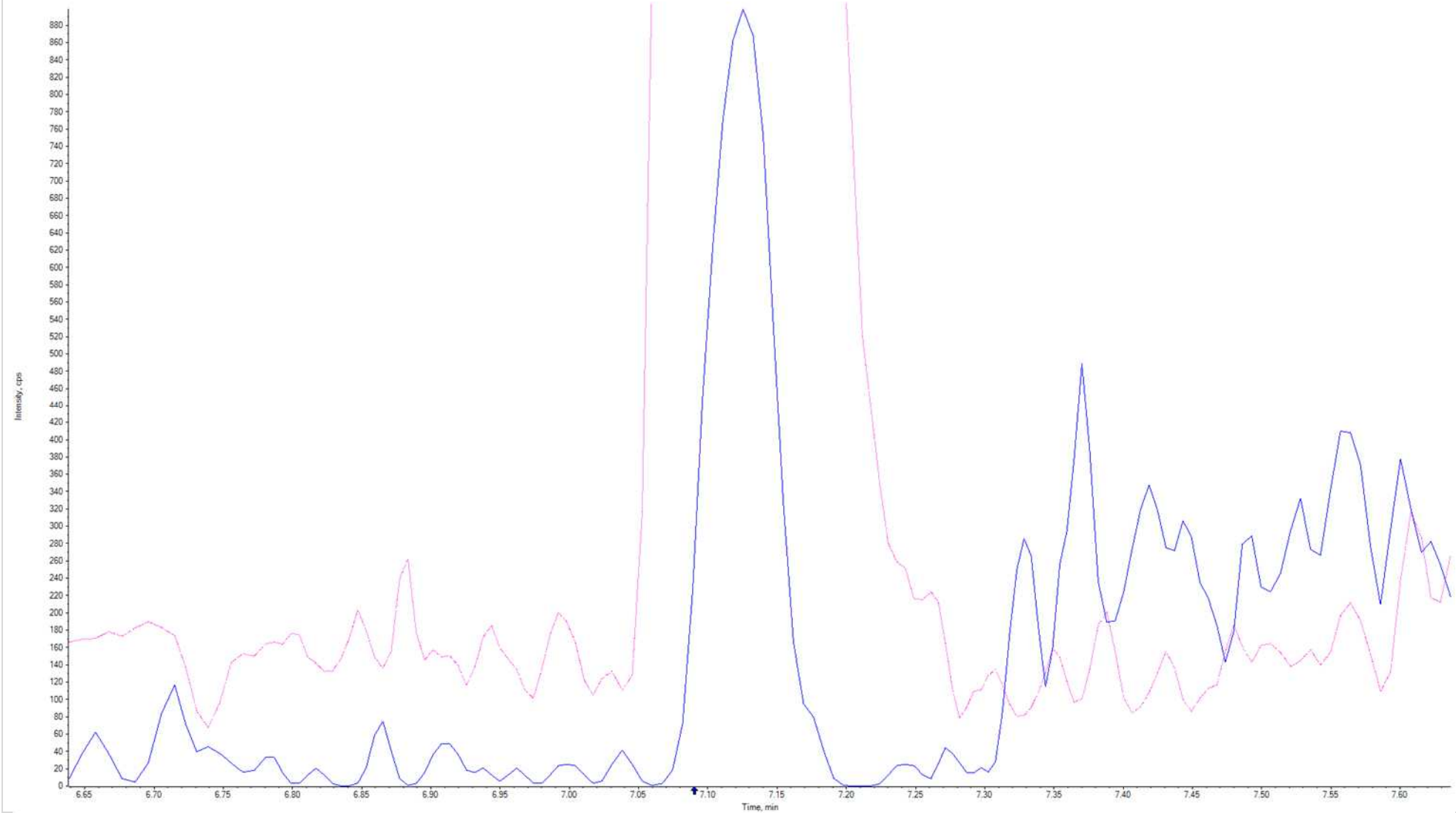


4:2FTS_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



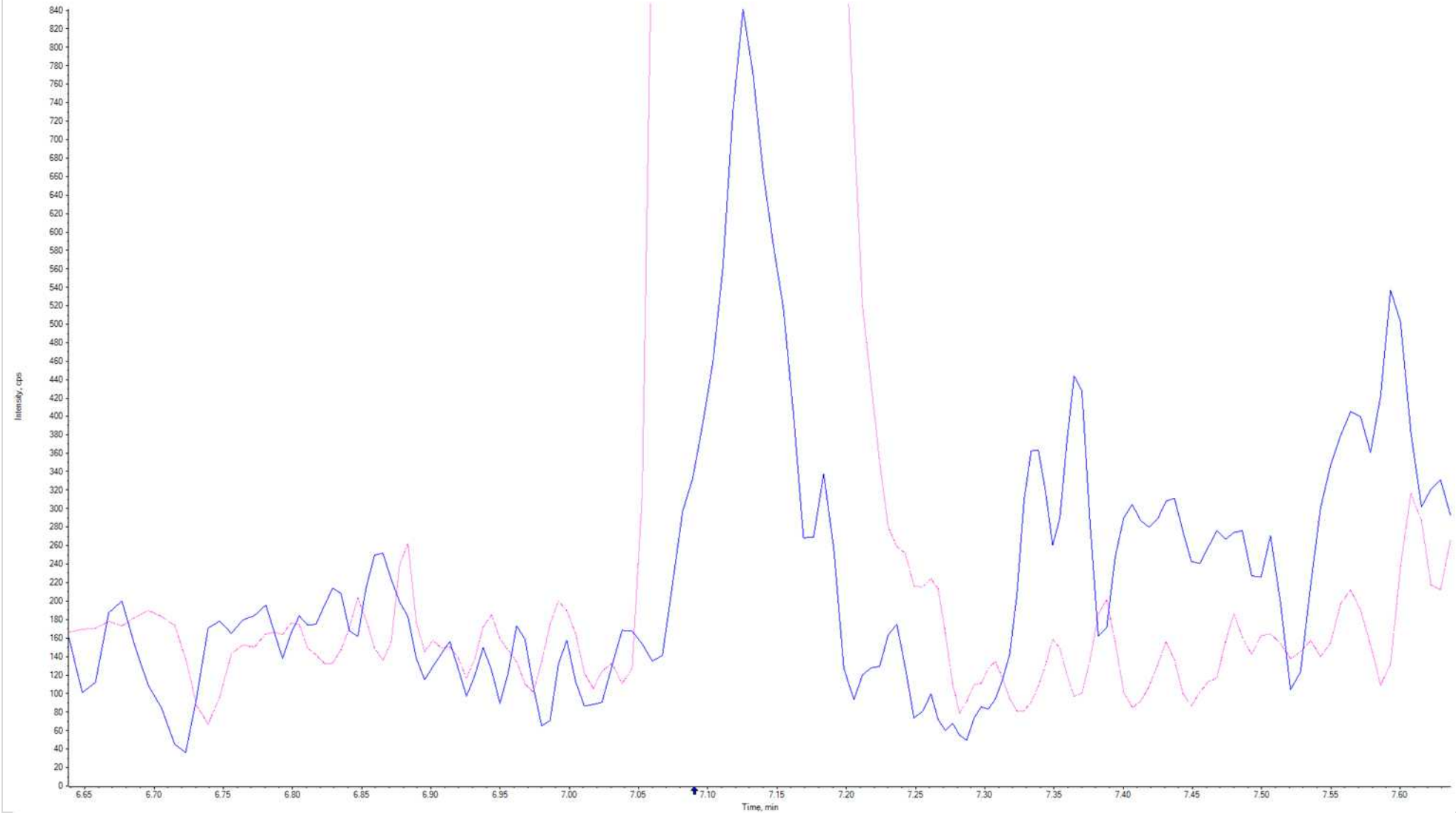
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

6:2FTS
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



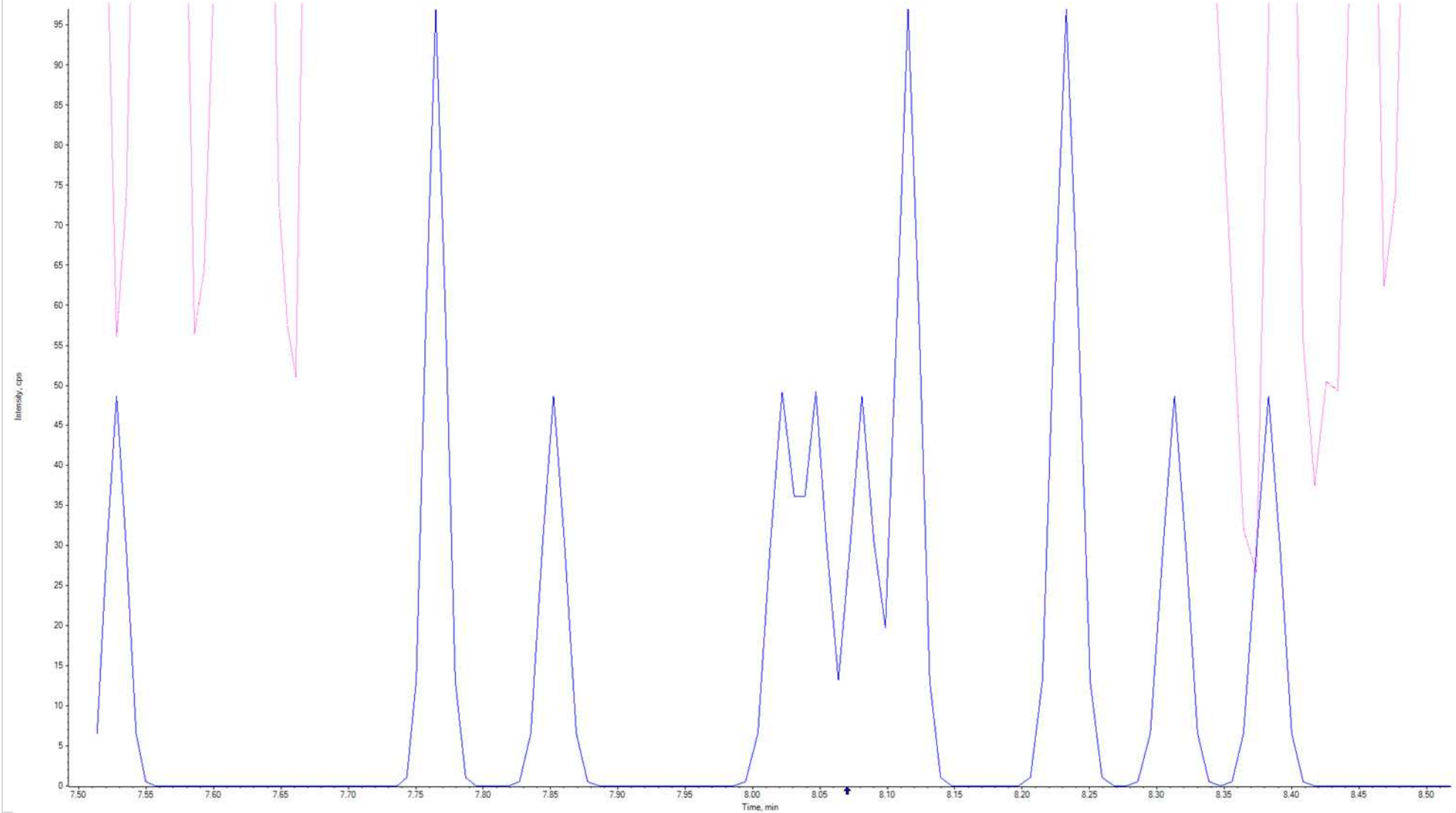
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

6:2FTS_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



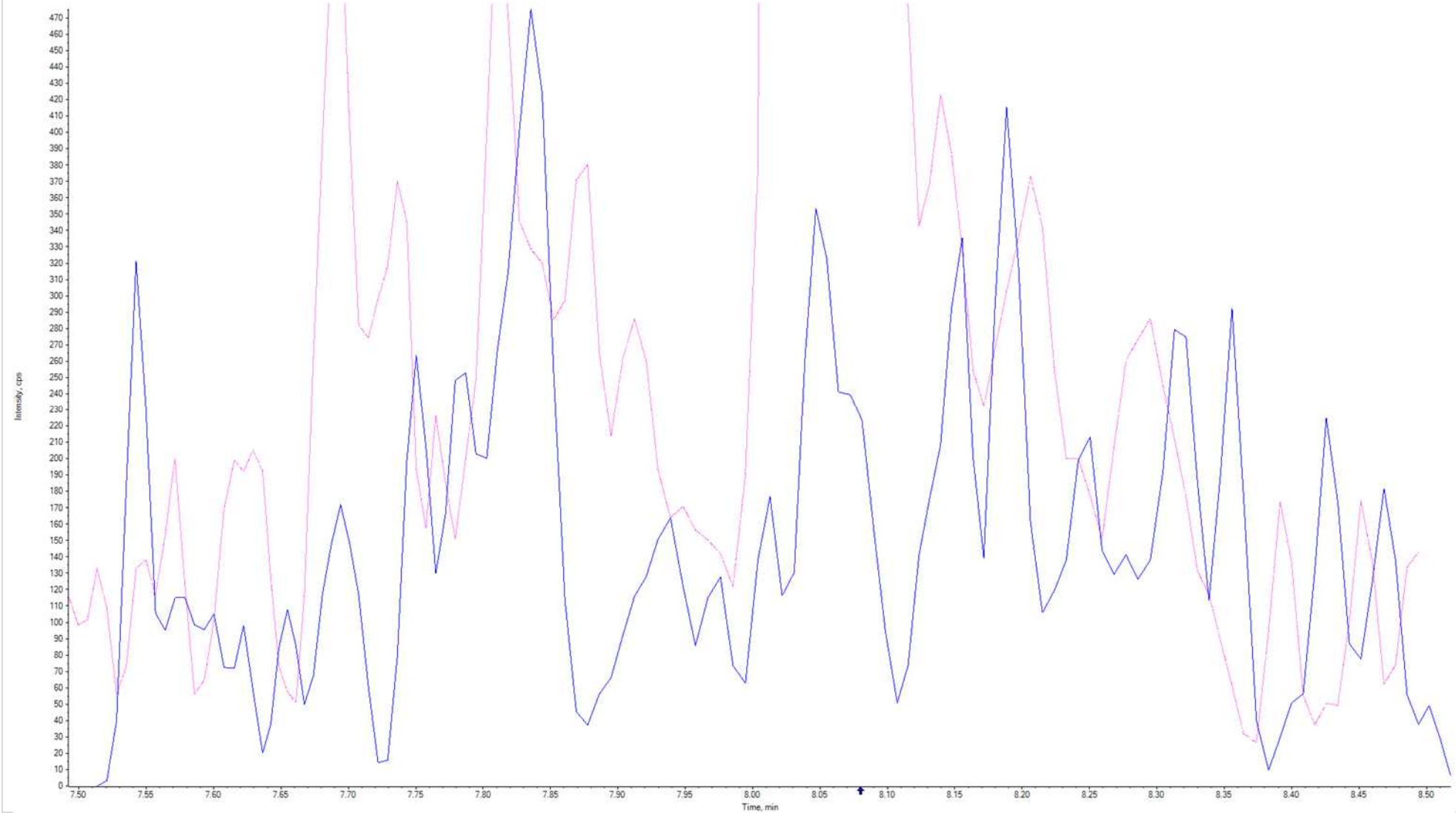
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

8:2FTS
Sample: L2447503-07 S/N:N/A Points Across peak:N/A

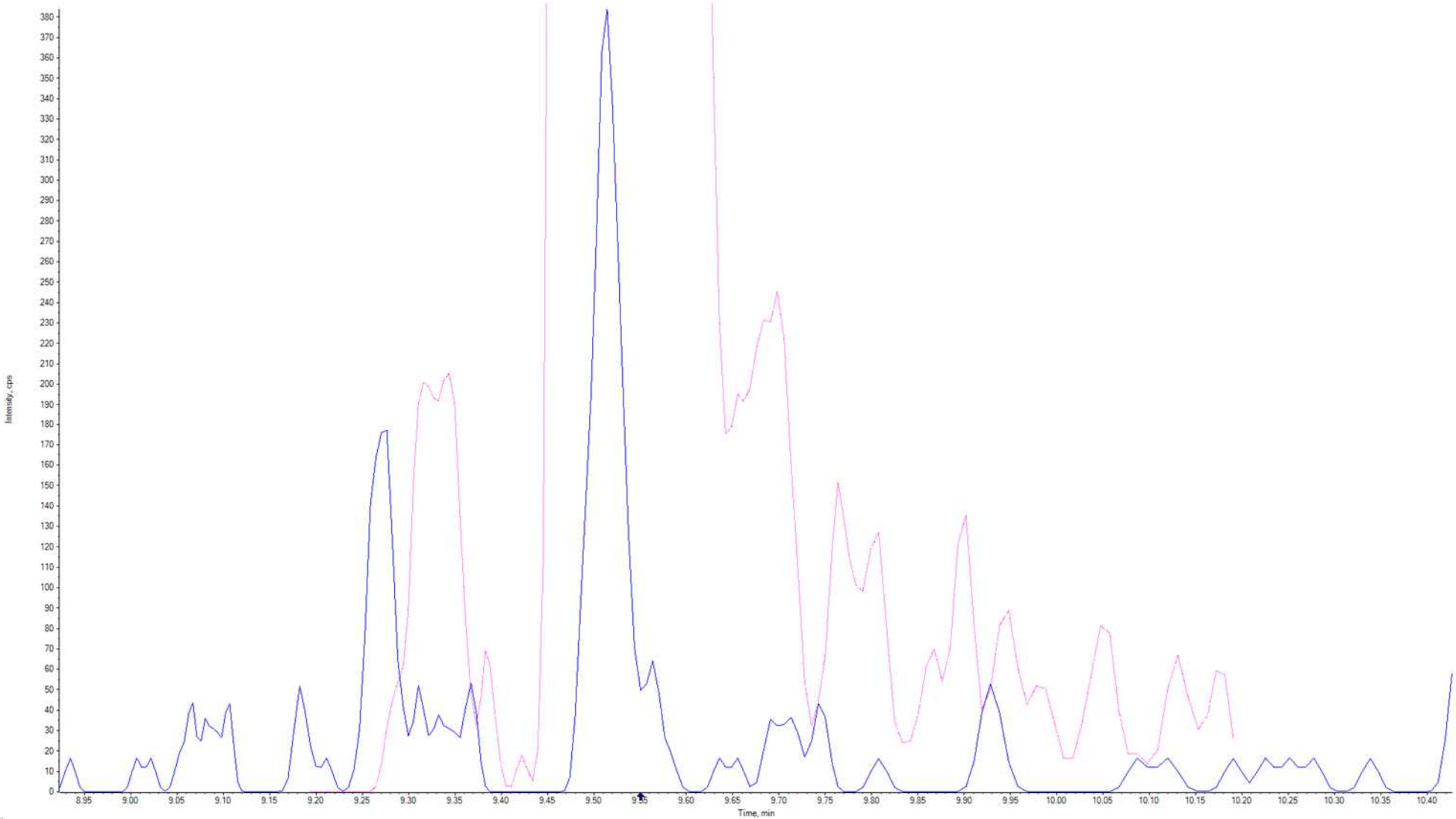


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

8:2FTS_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



PFOSA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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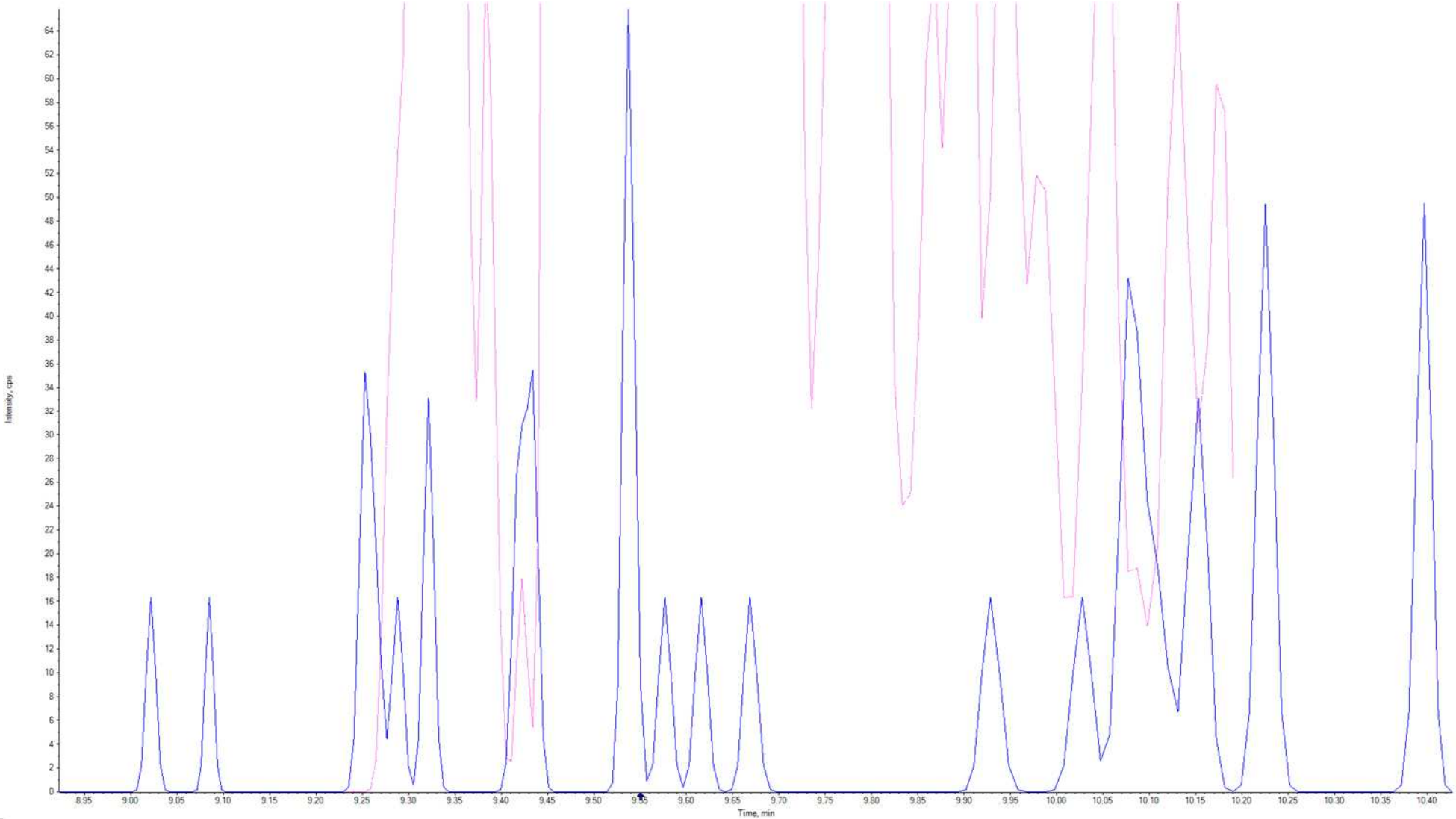
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOSA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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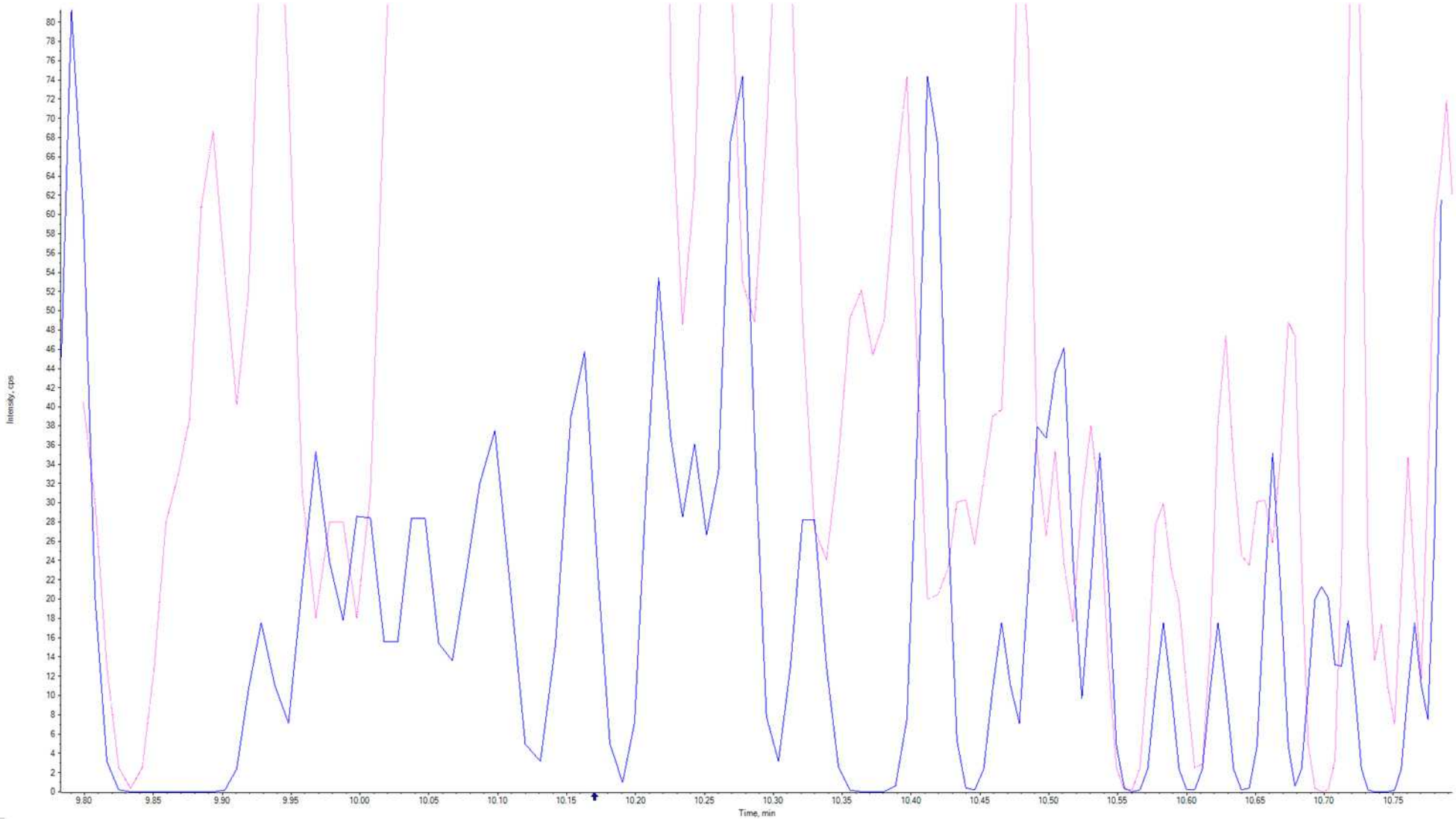
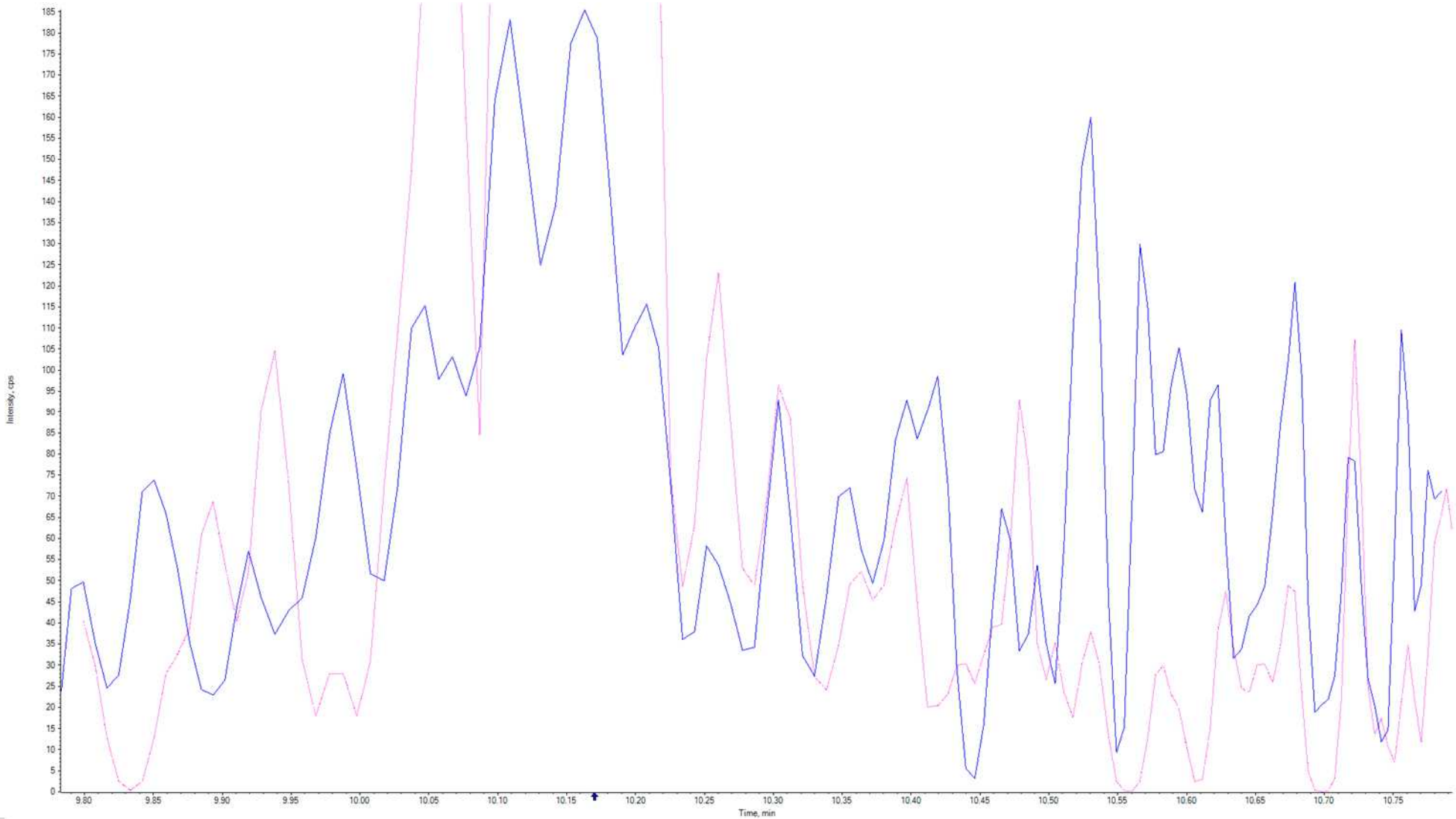
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A

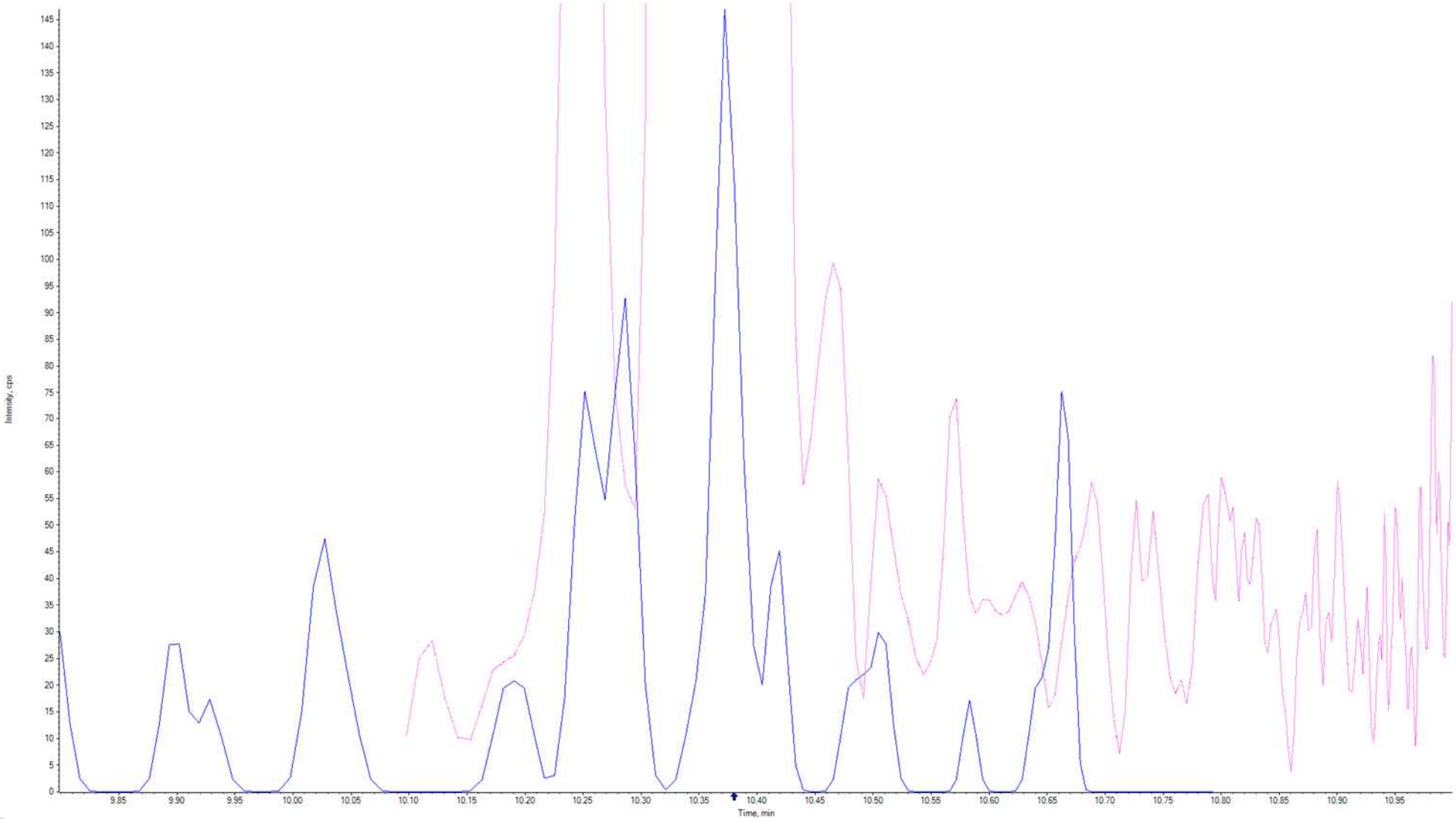


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



NEtFOSA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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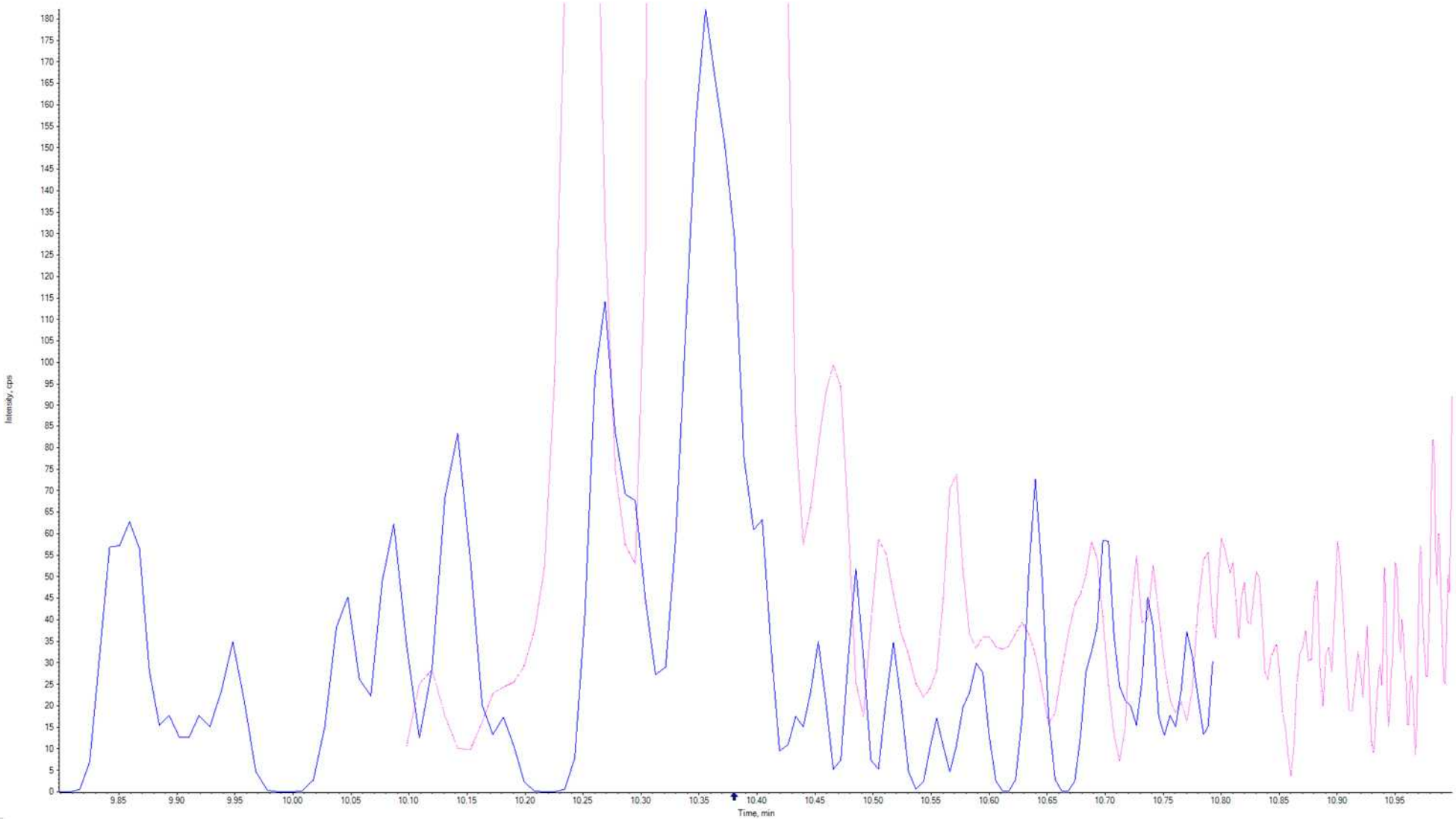
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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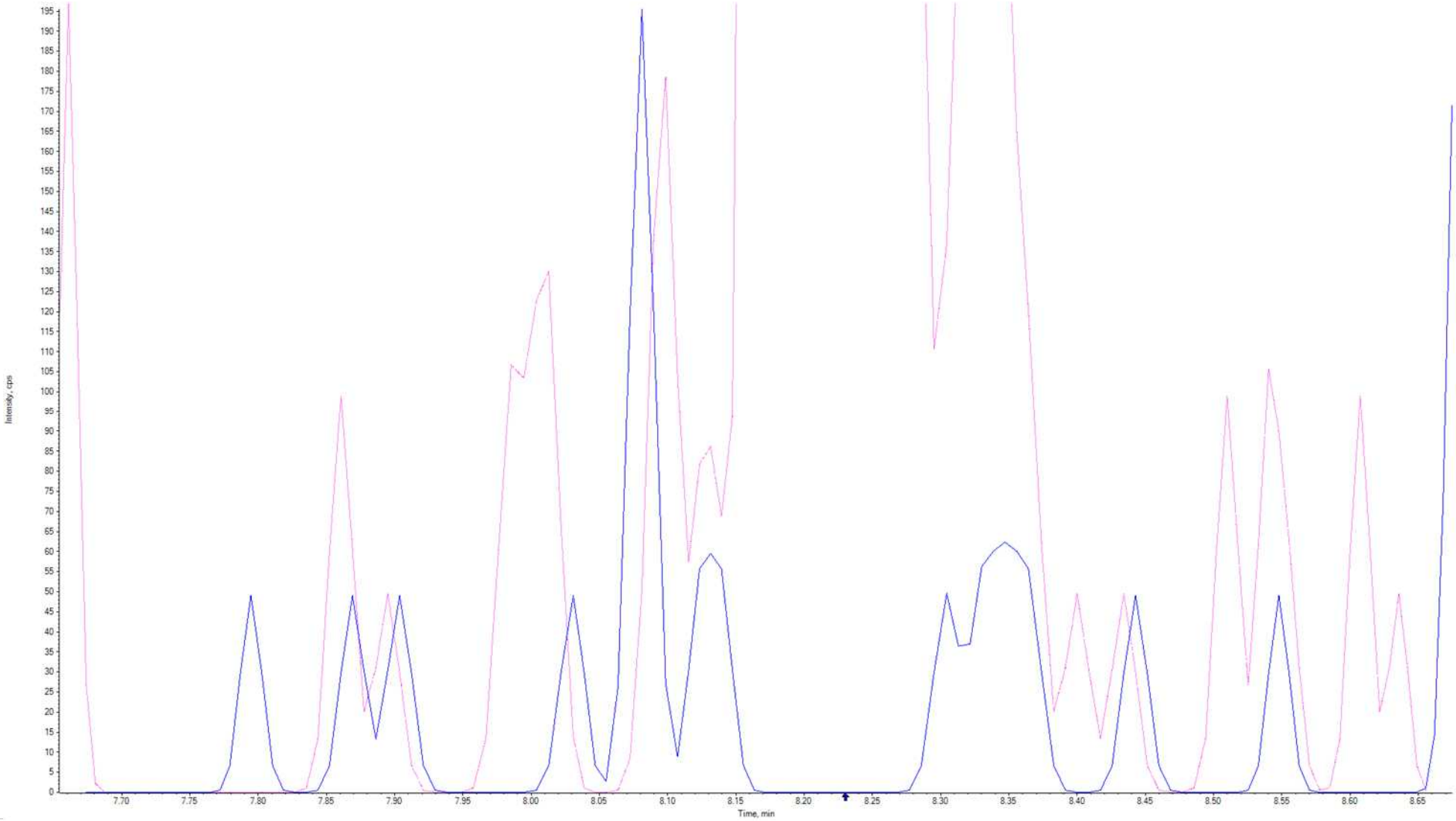
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSAA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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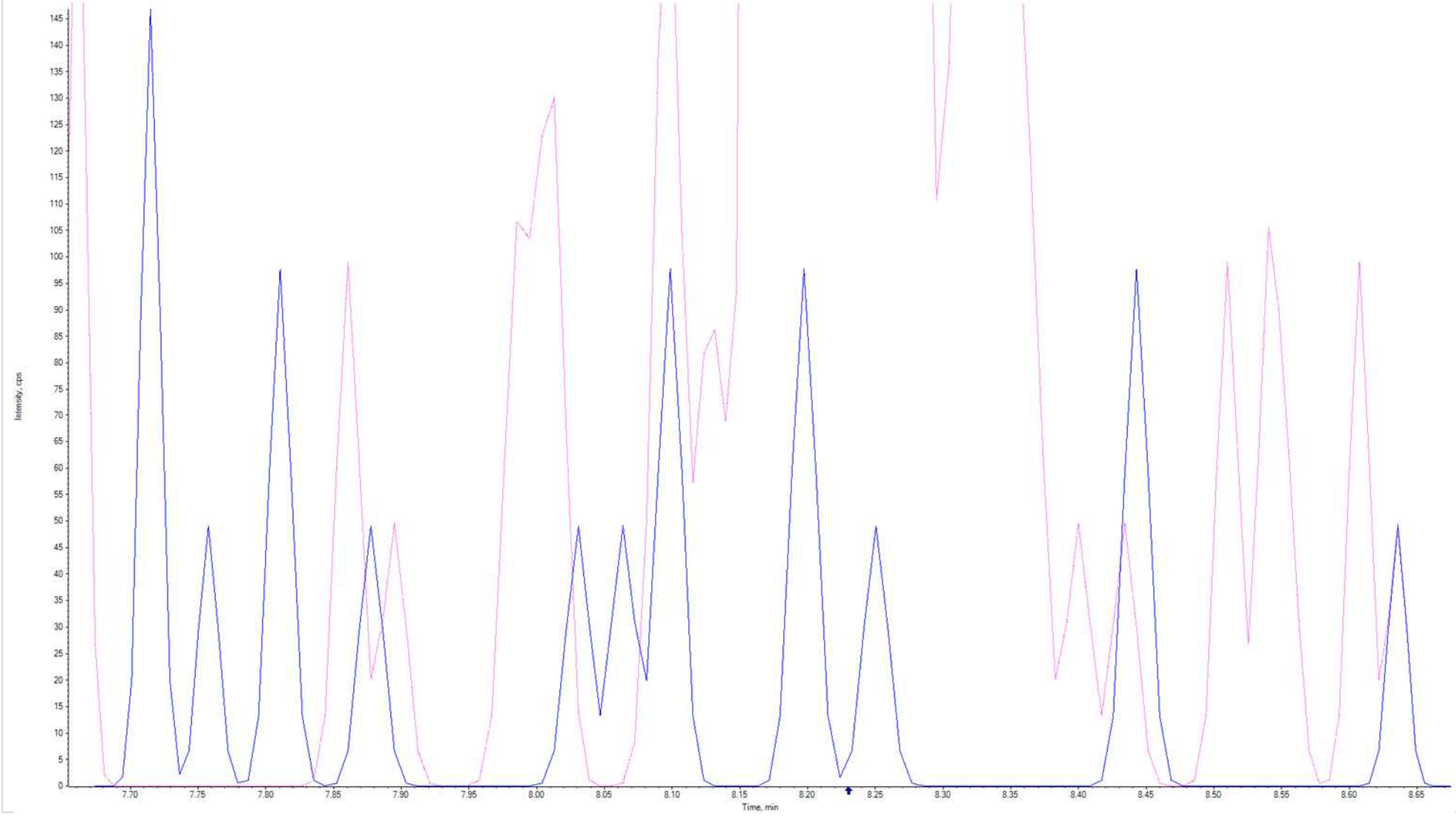
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSAA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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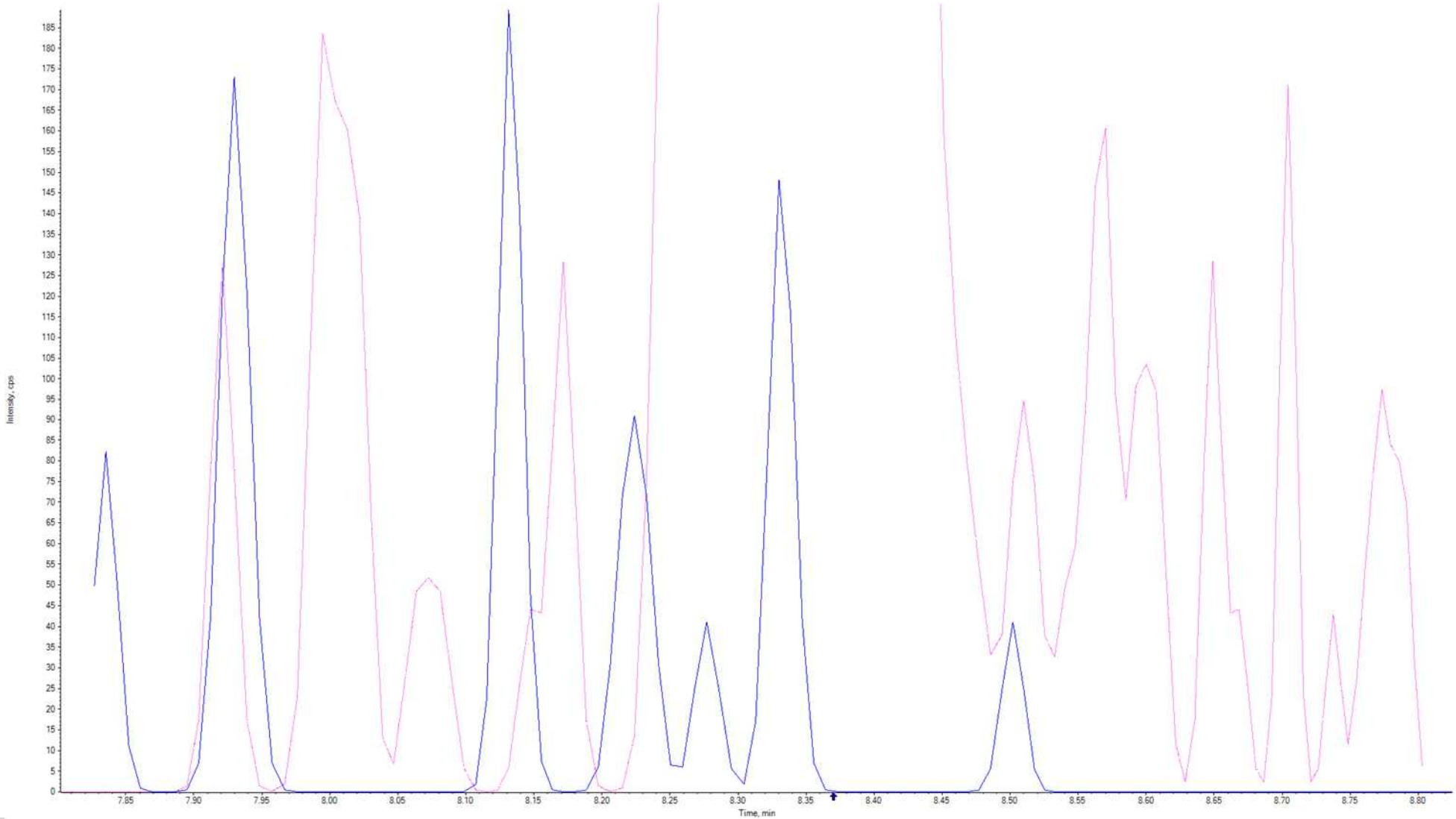
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSAA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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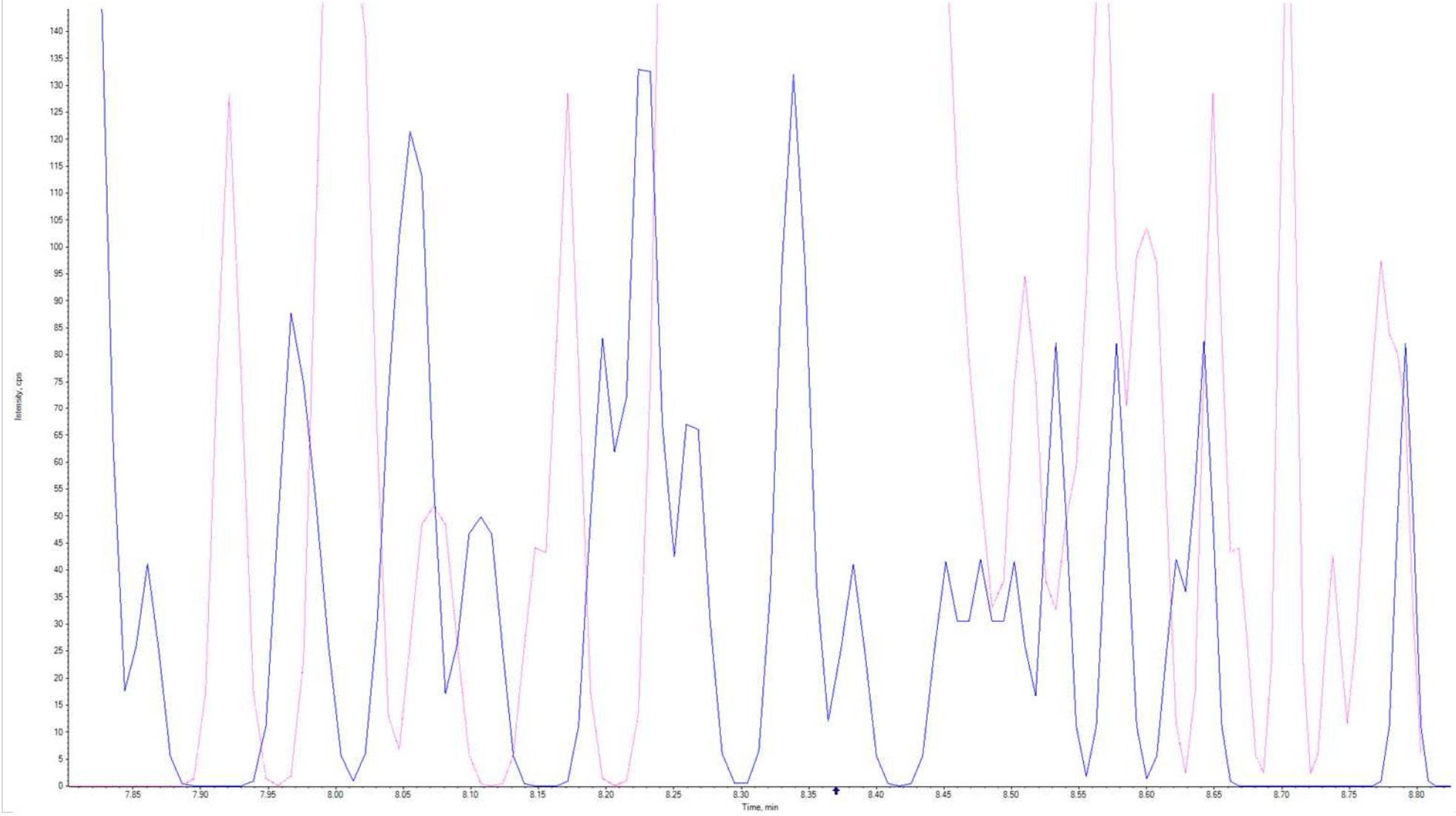
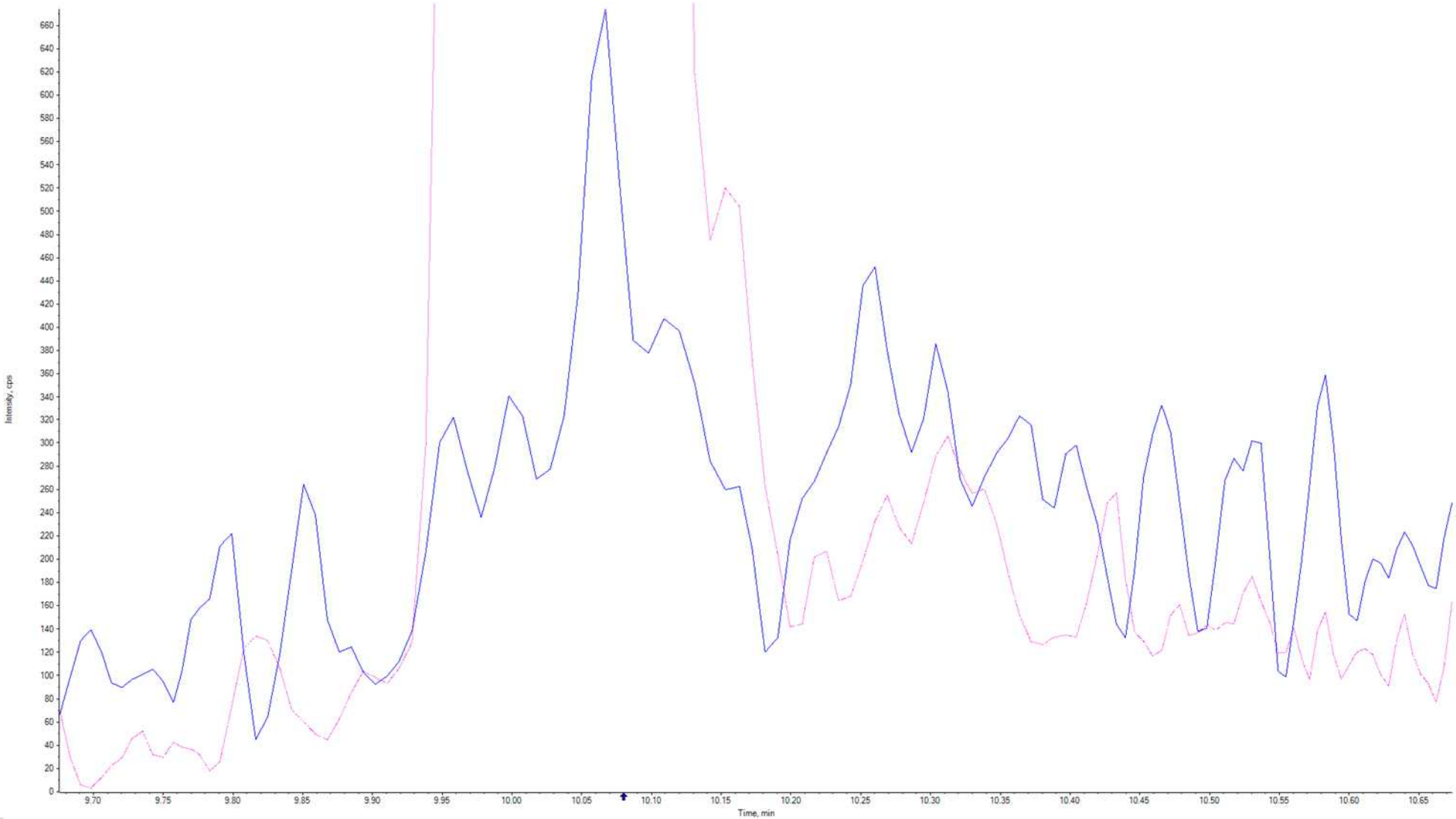
Generated: 9/17/2024 6:15:27 AM

NEtFOSAA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



NMeFOSE
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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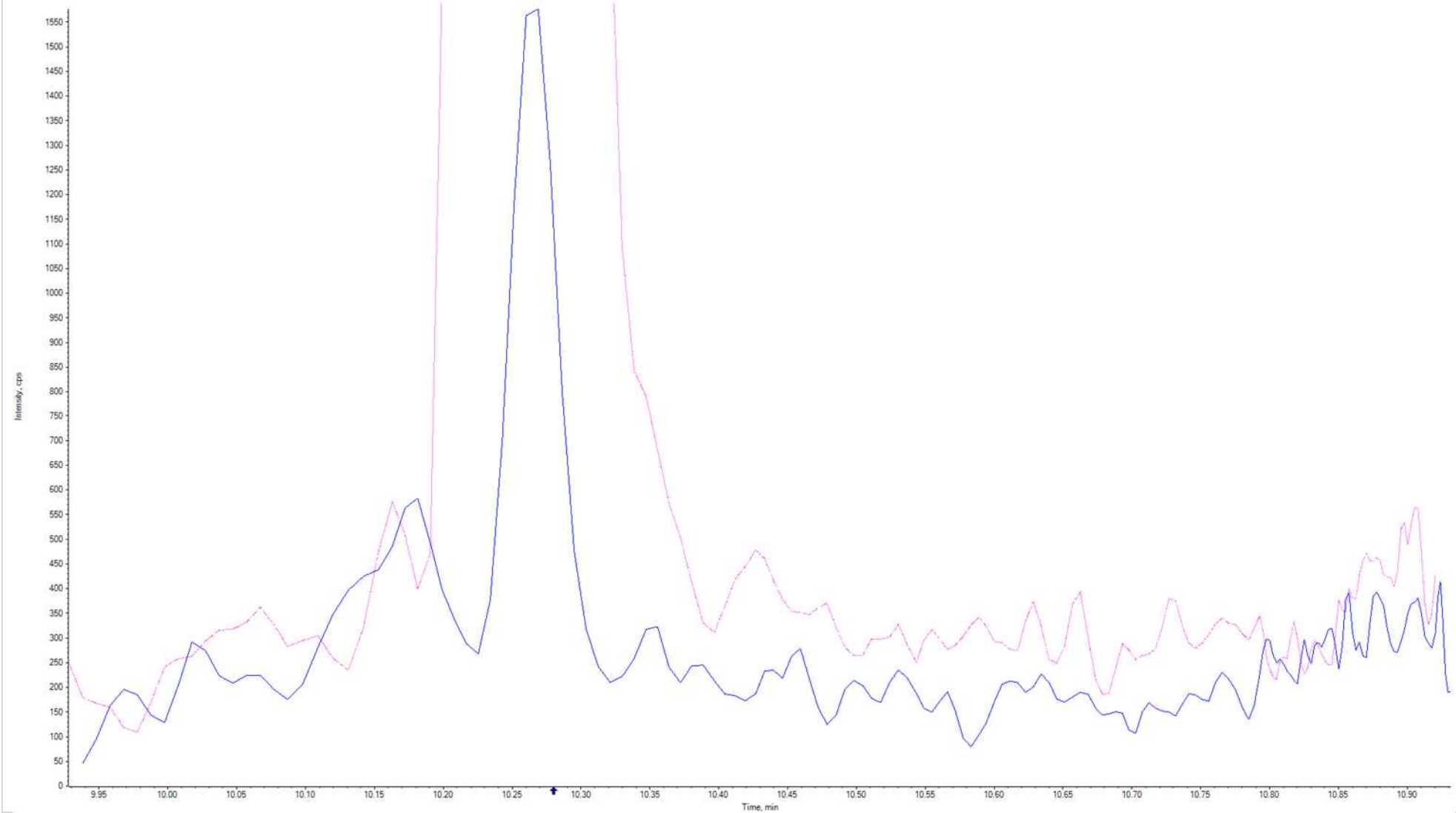
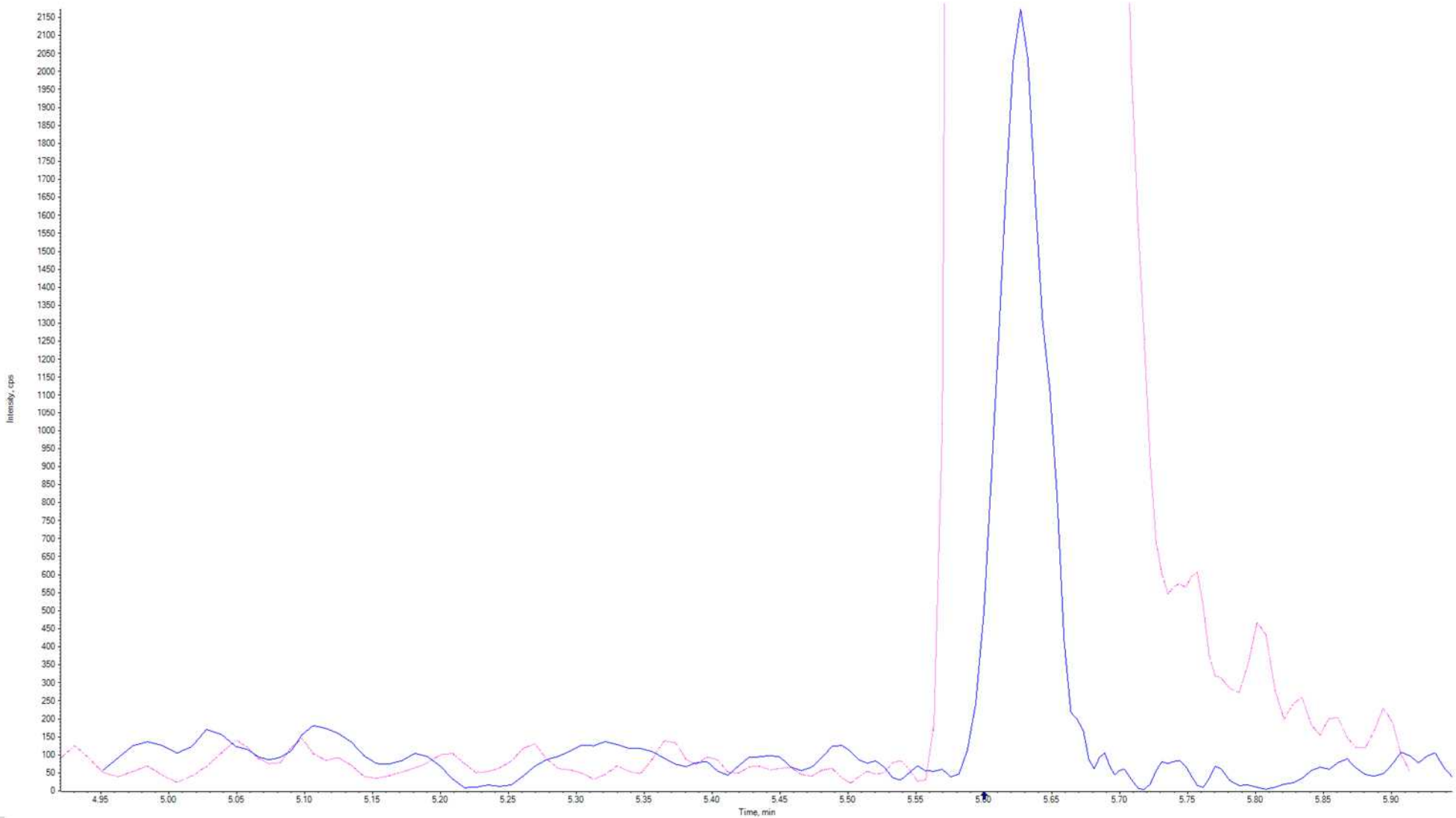
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSE
Sample: L2447503-07 S/N:N/A Points Across peak:N/A

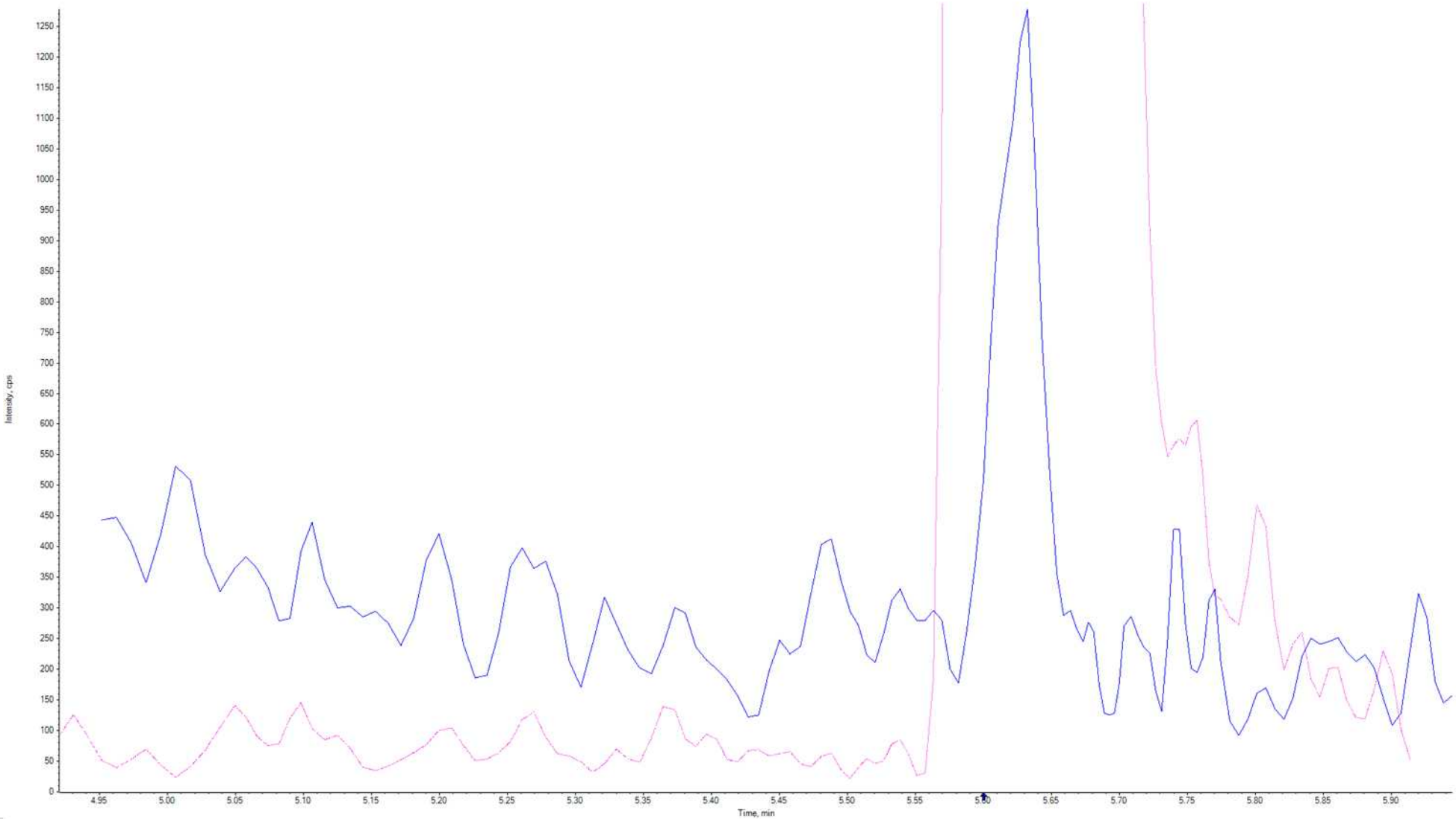


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

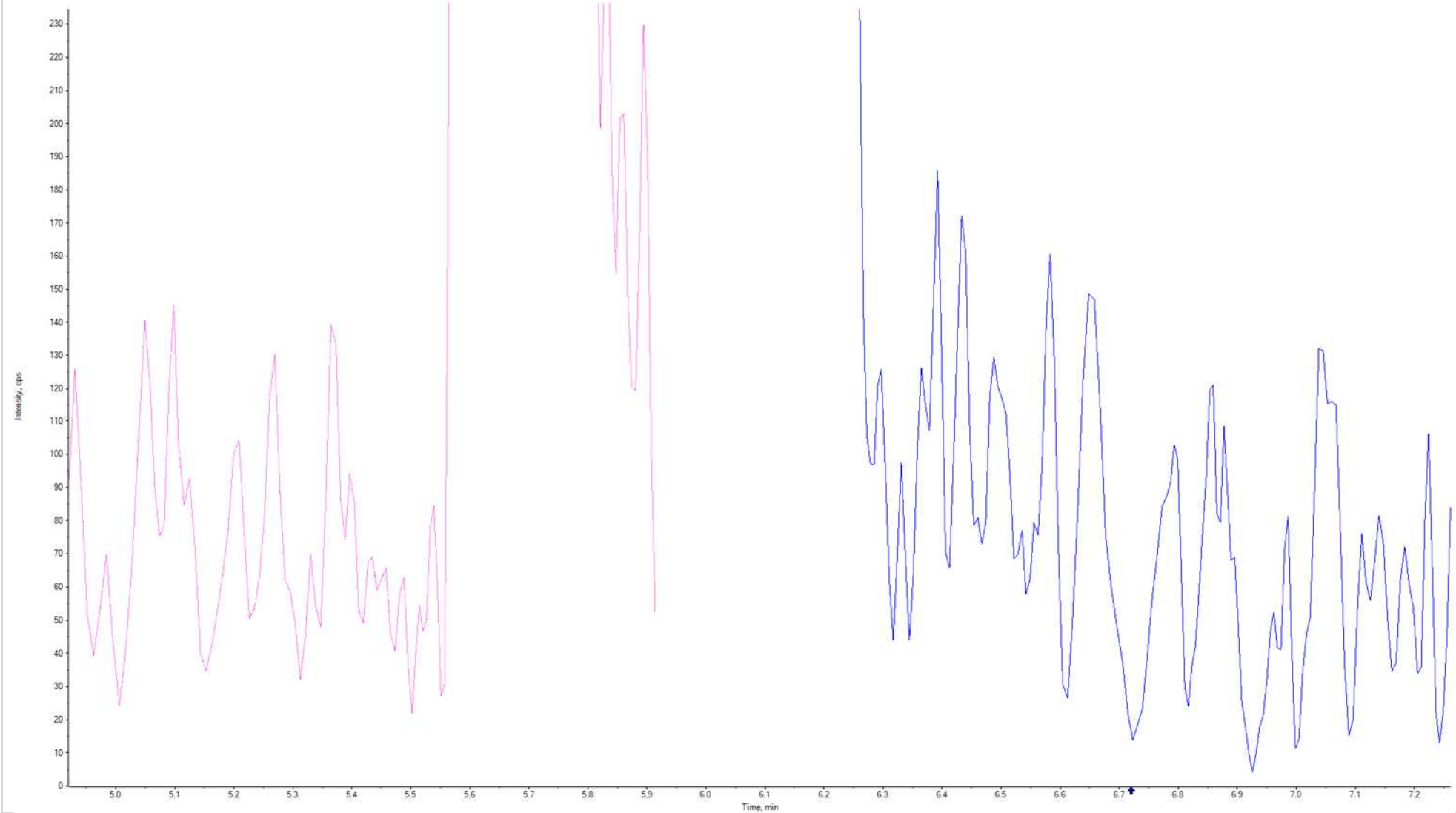
HFPO-DA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



HFPO-DA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A

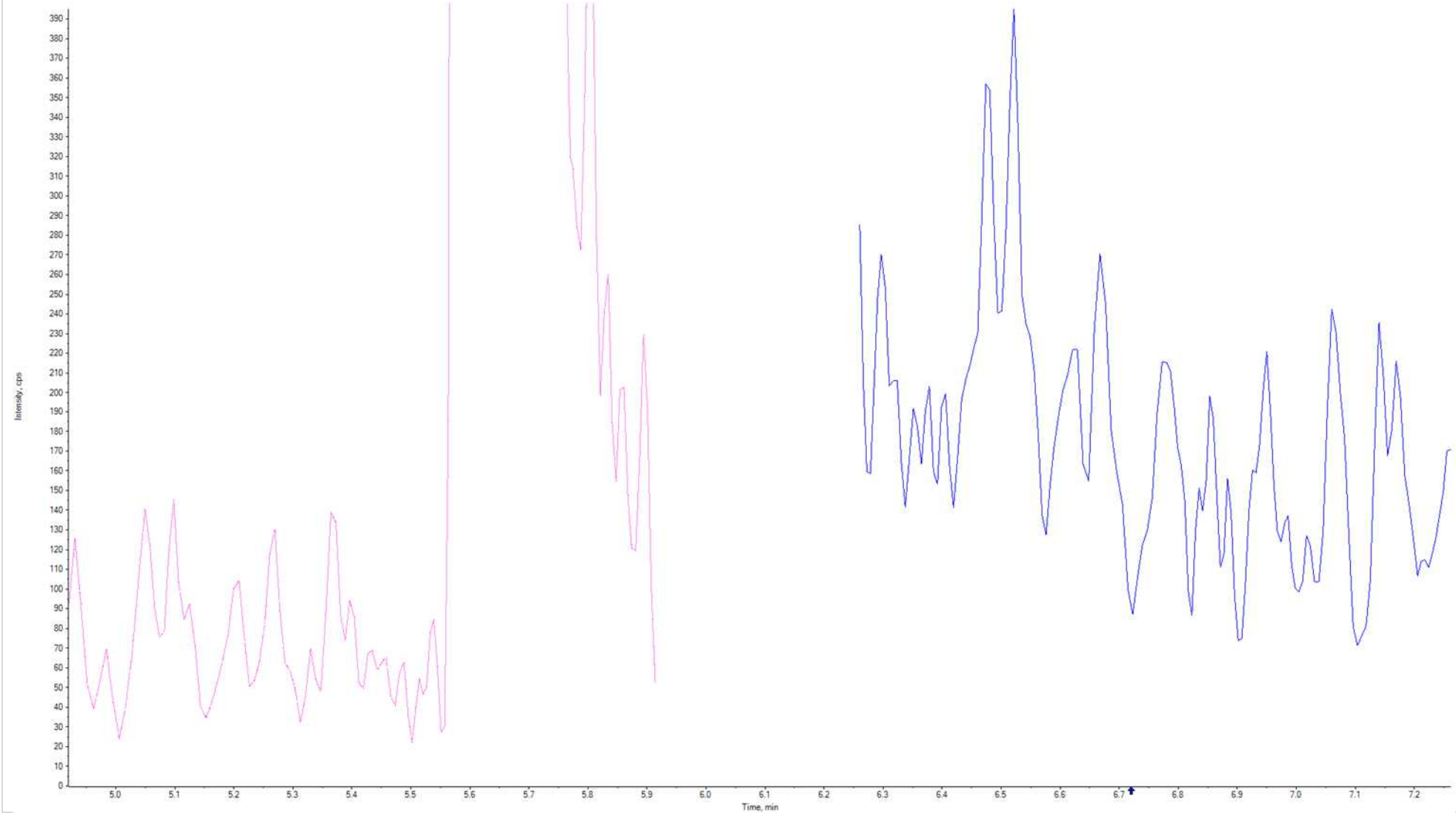


ADONA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



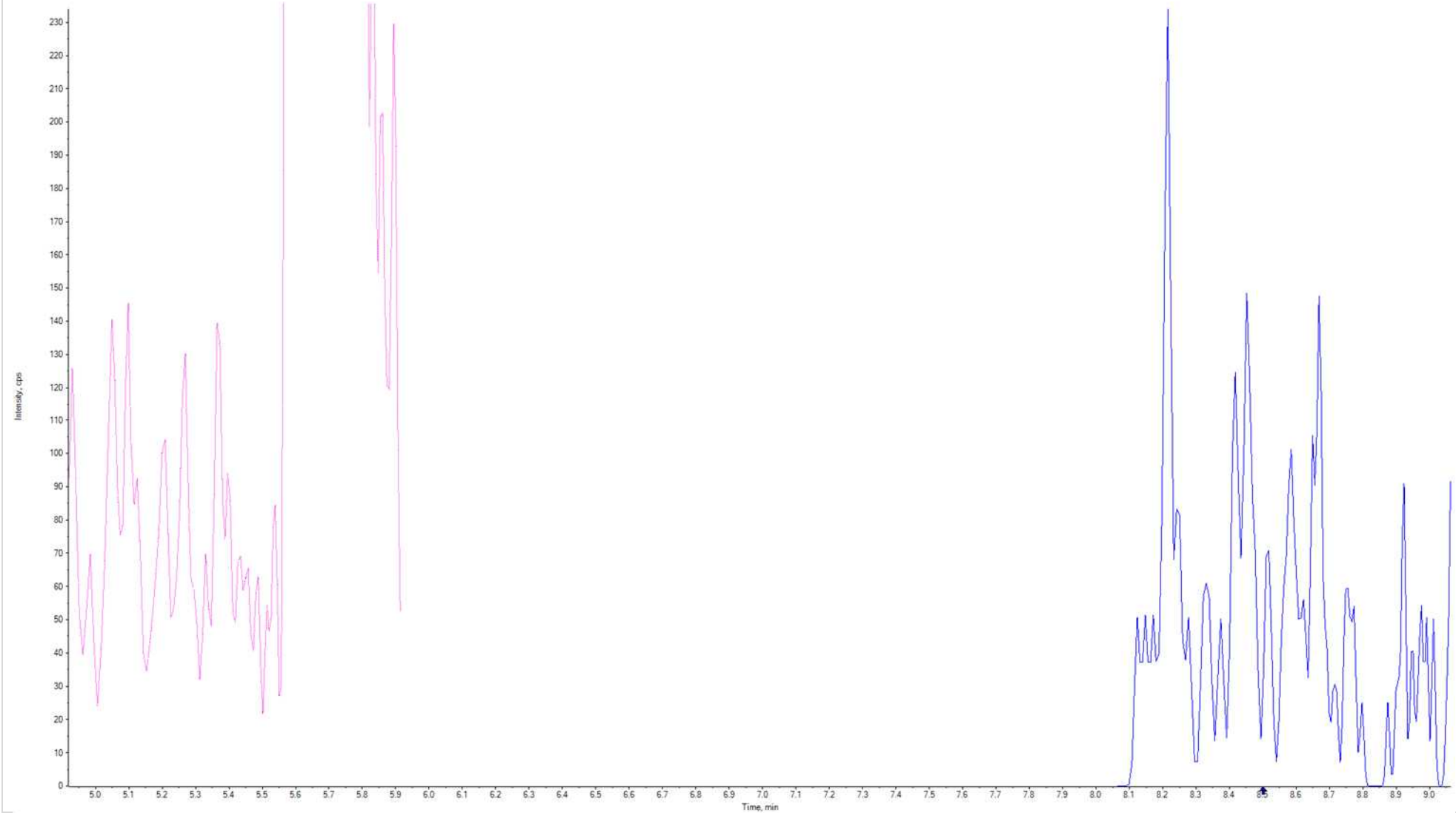
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

ADONA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



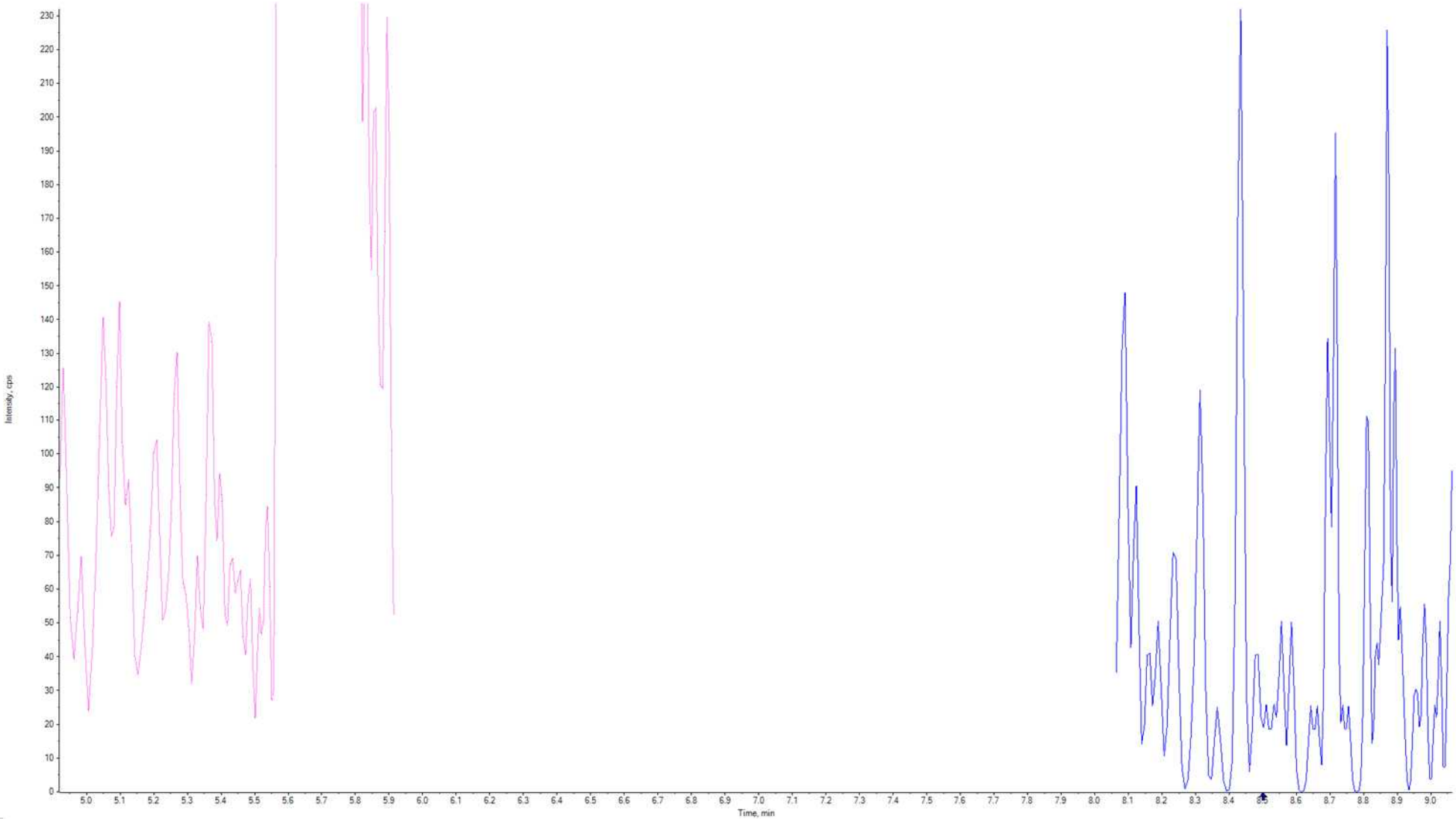
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

9Cl-PF3ONS
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

9Cl-PF3ONS_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

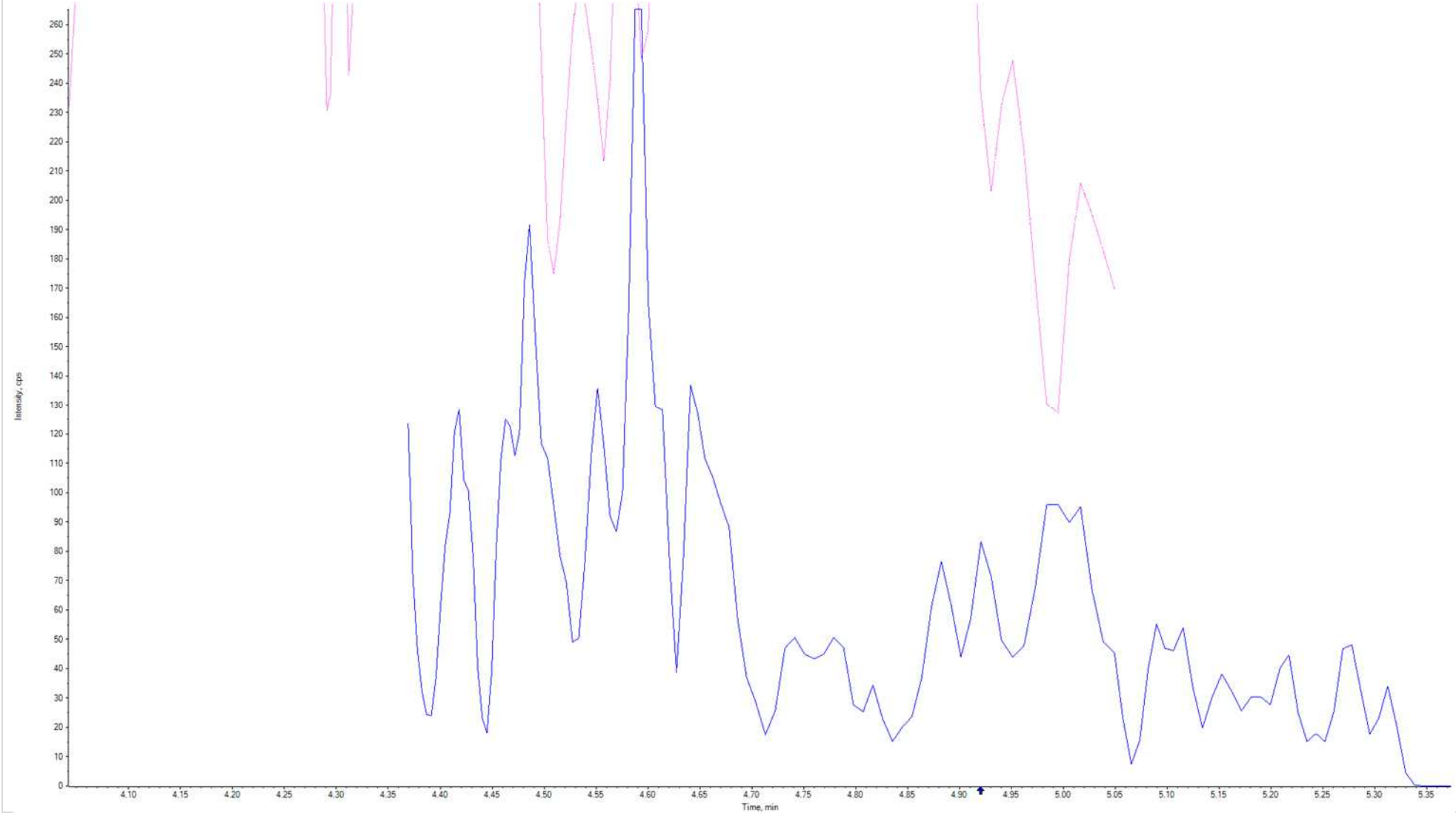
11Cl-PF3OUdS
Sample: L2447503-07 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

11Cl-PF3OUdS_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A

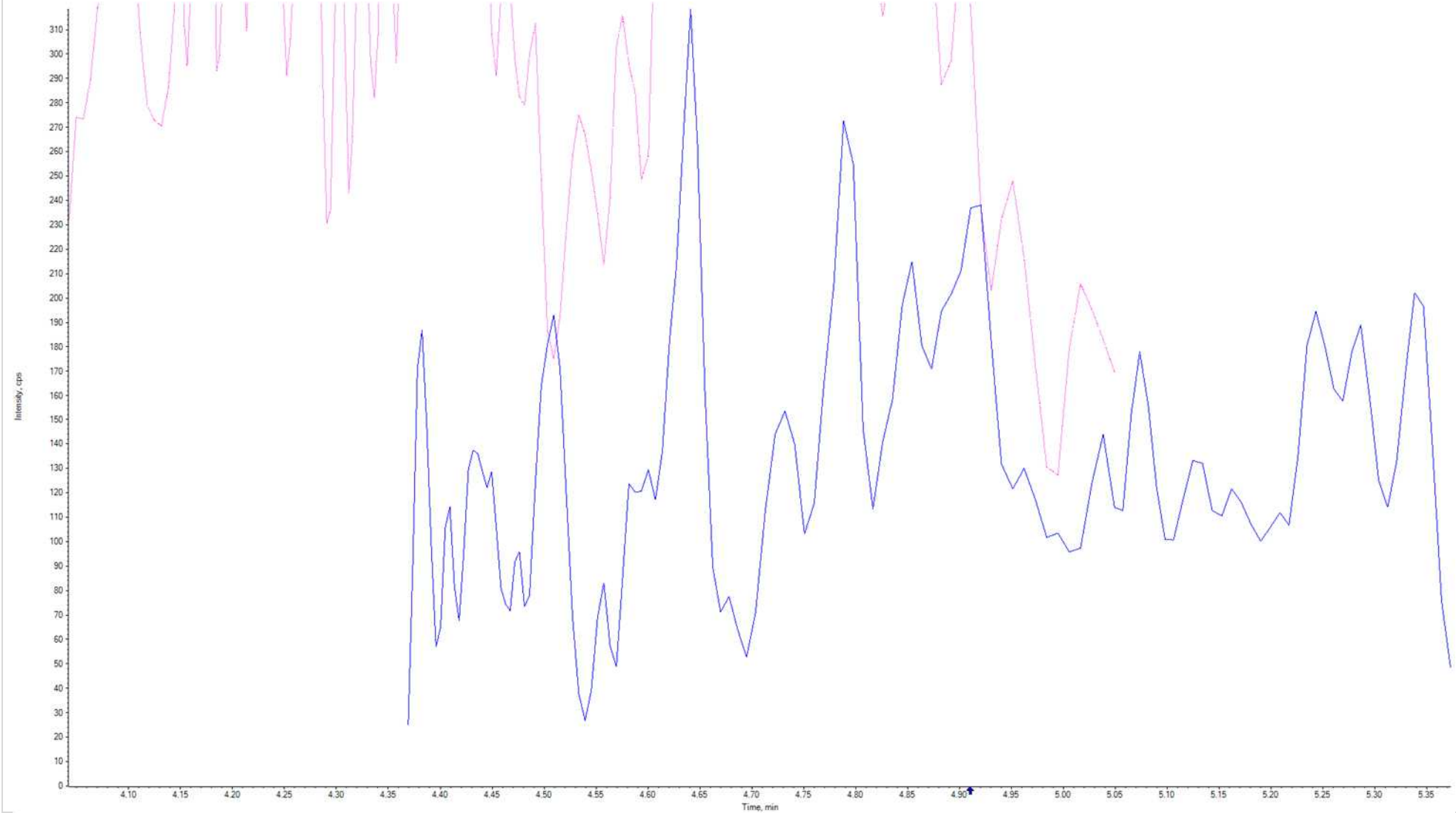
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

3:3FTCA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

3:3FTCA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

5:3FTCA
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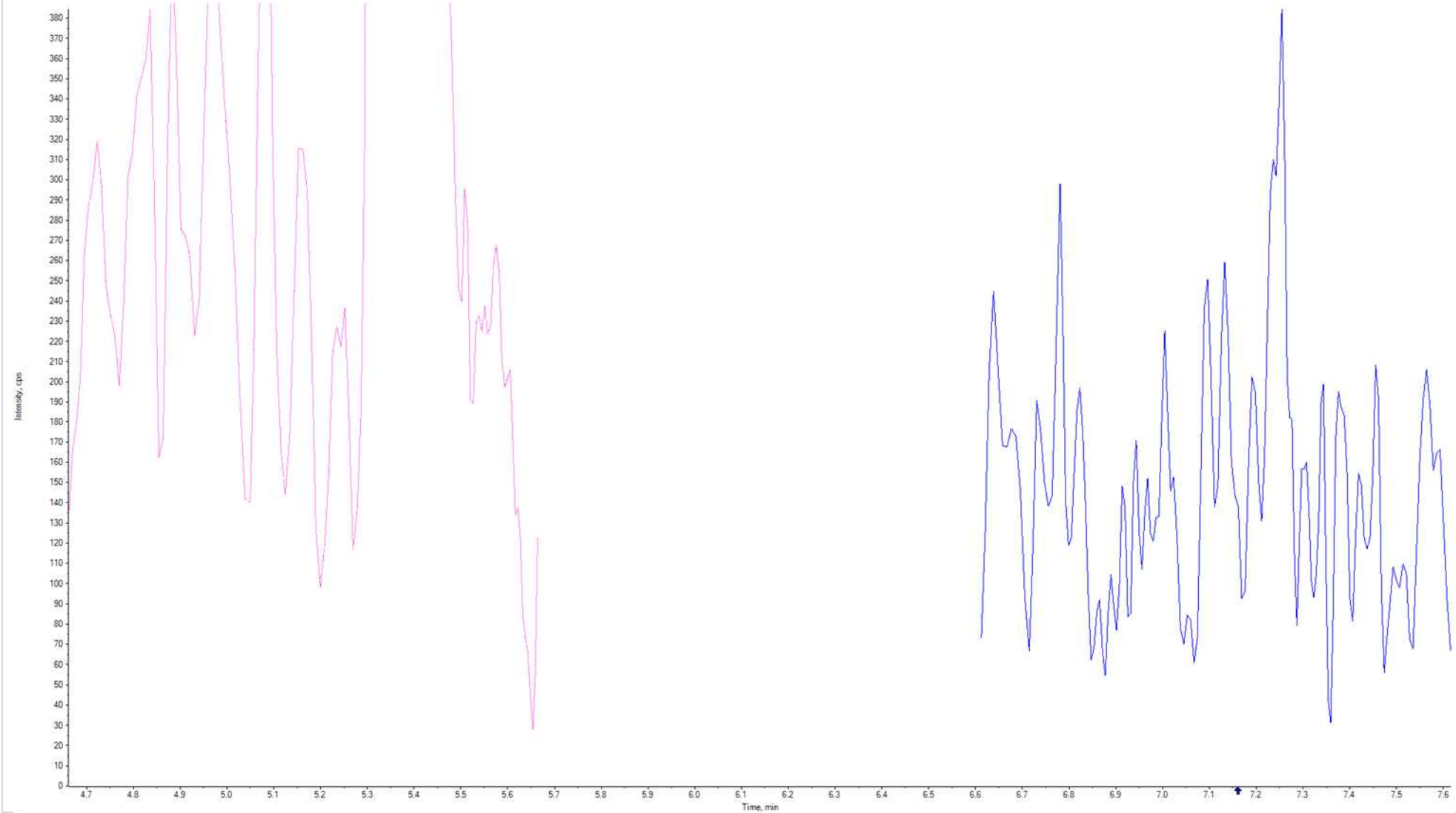

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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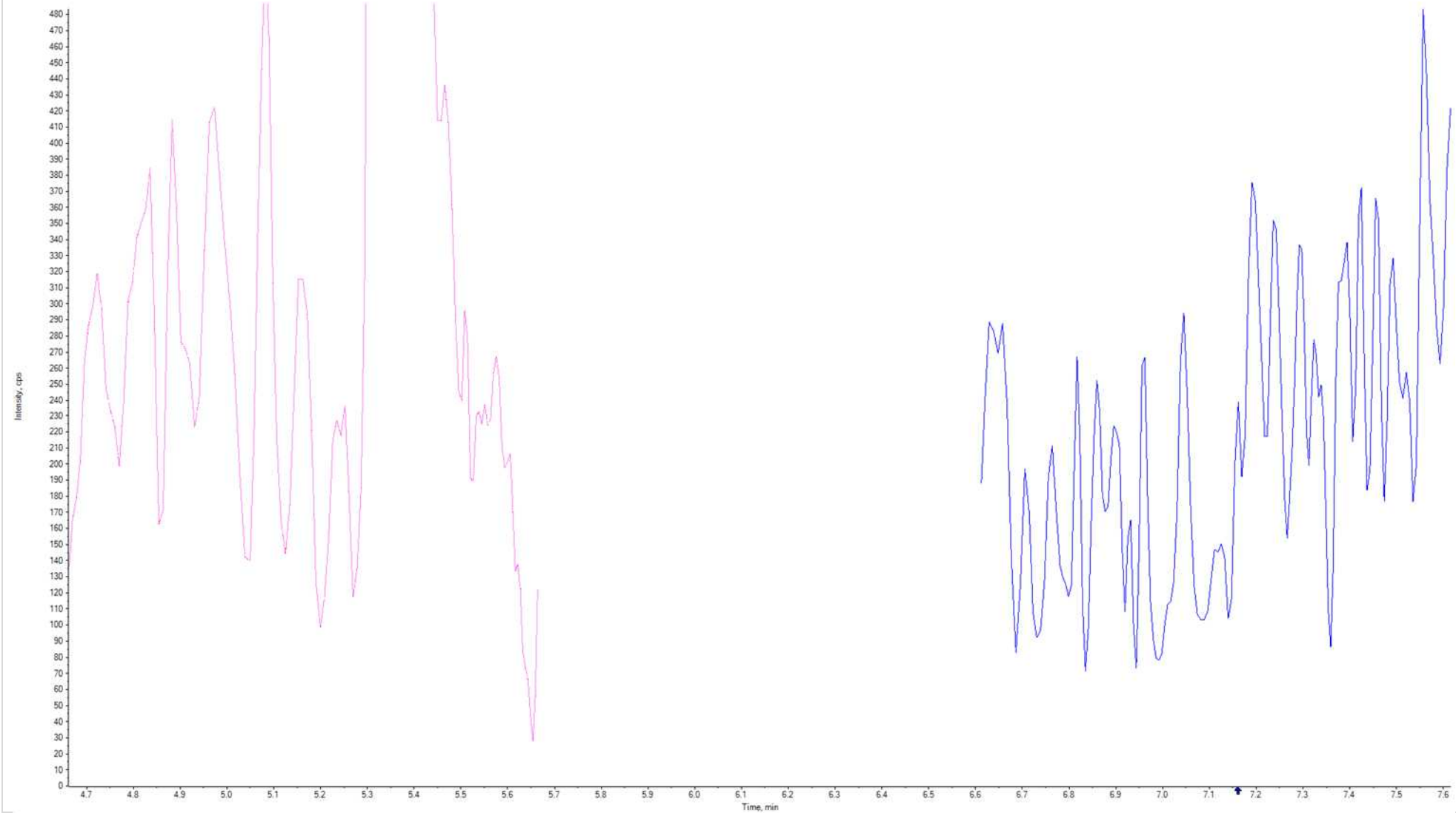
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

5:3FTCA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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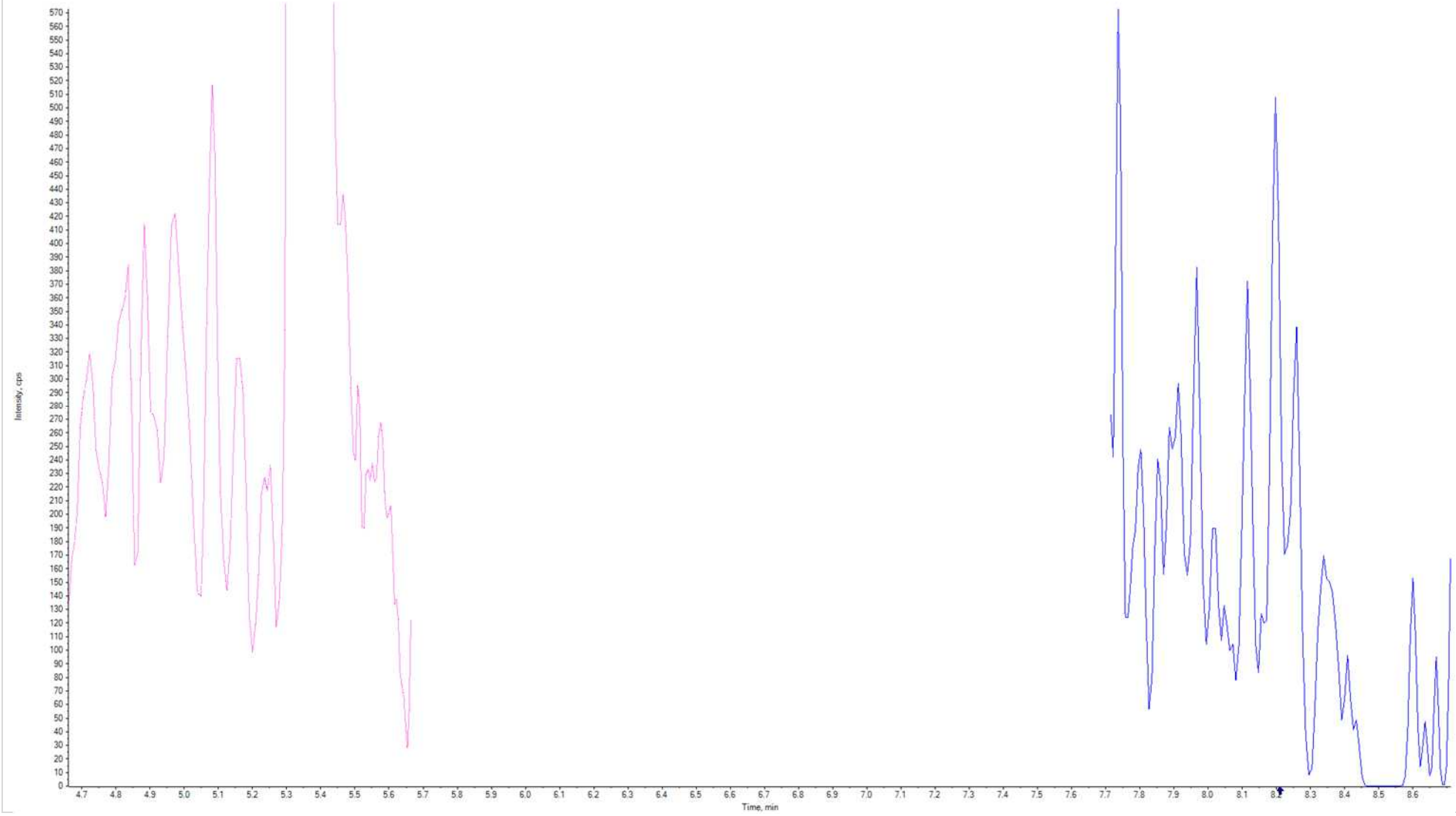
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

7:3FTCA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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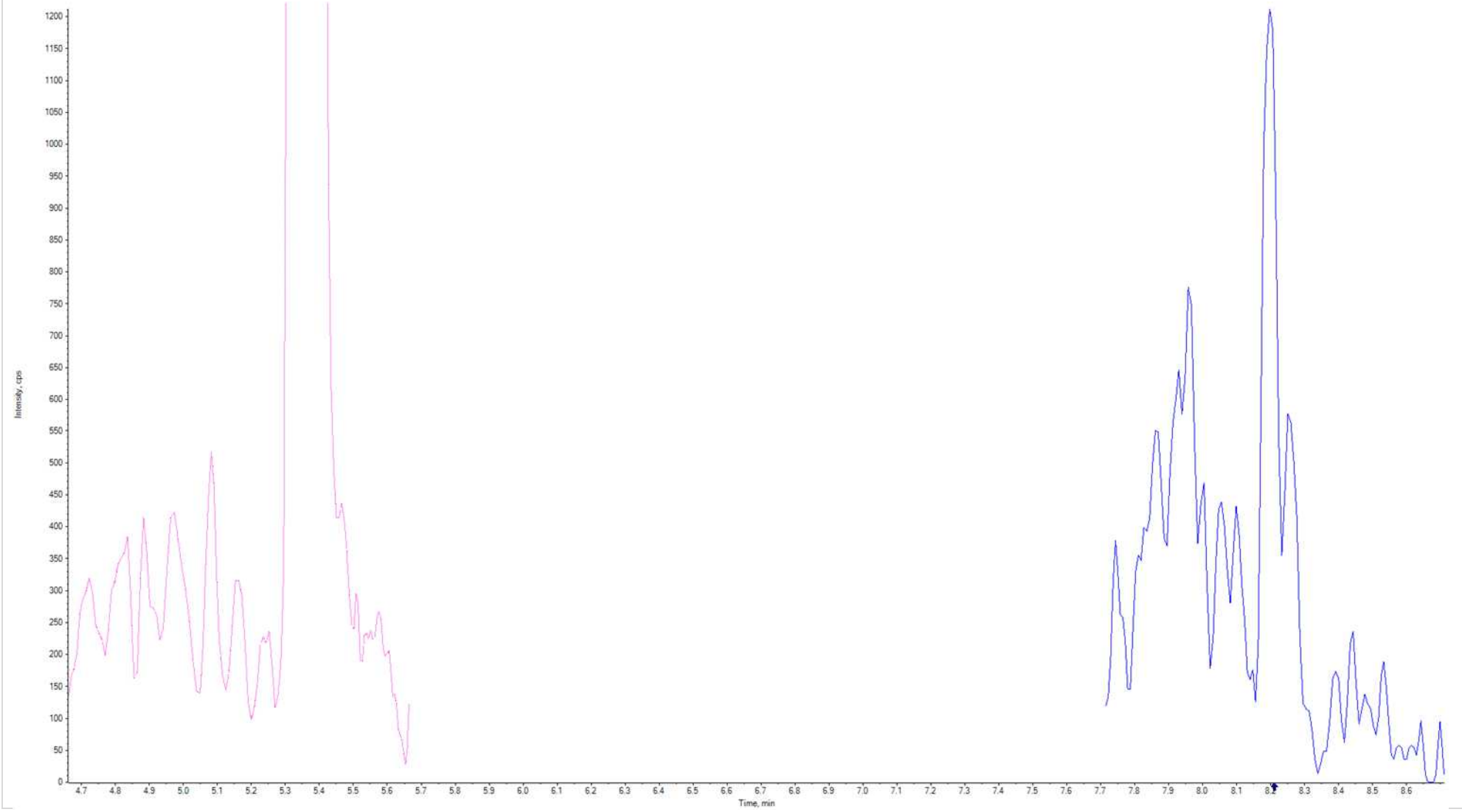
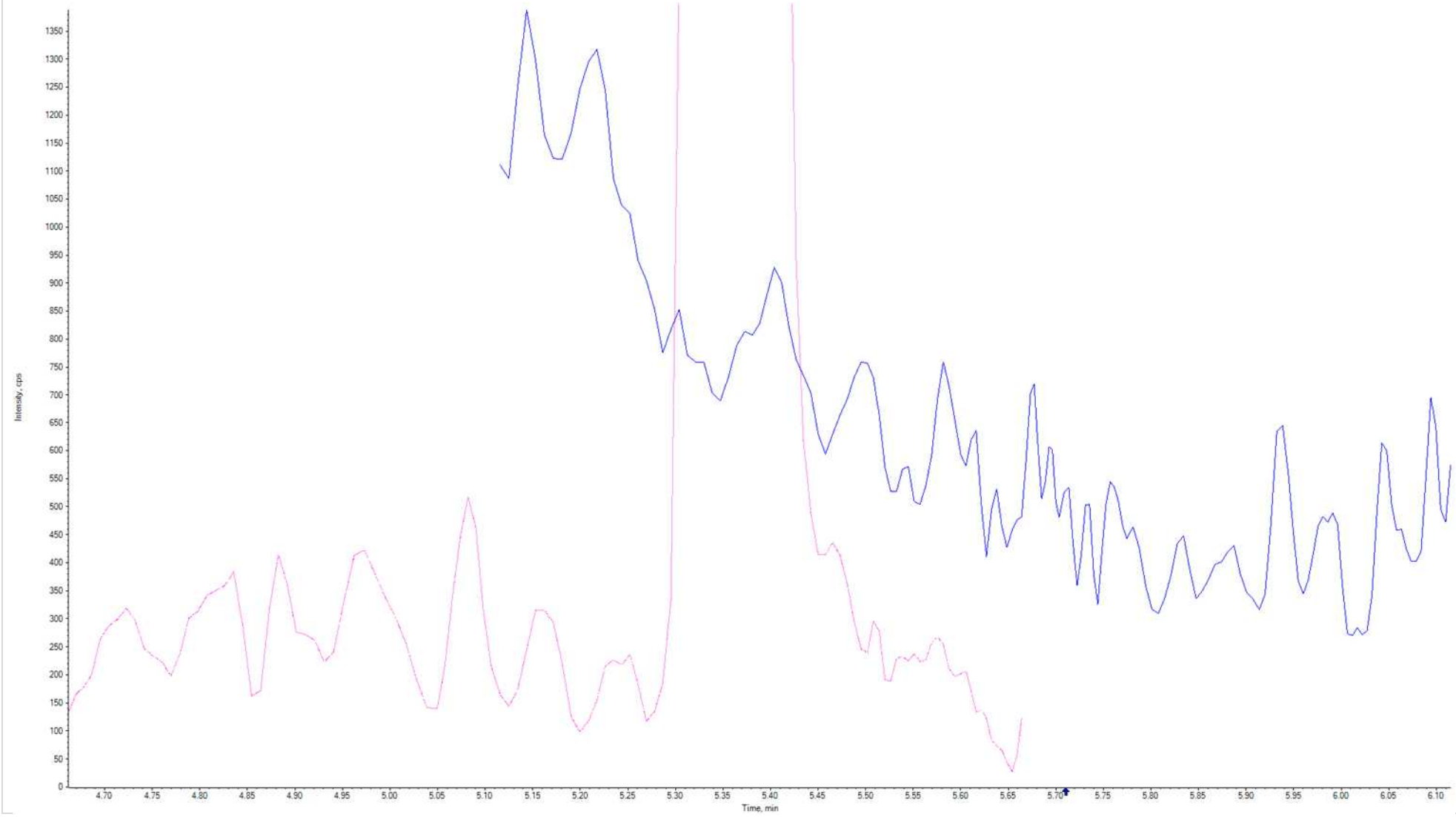
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

7:3FTCA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



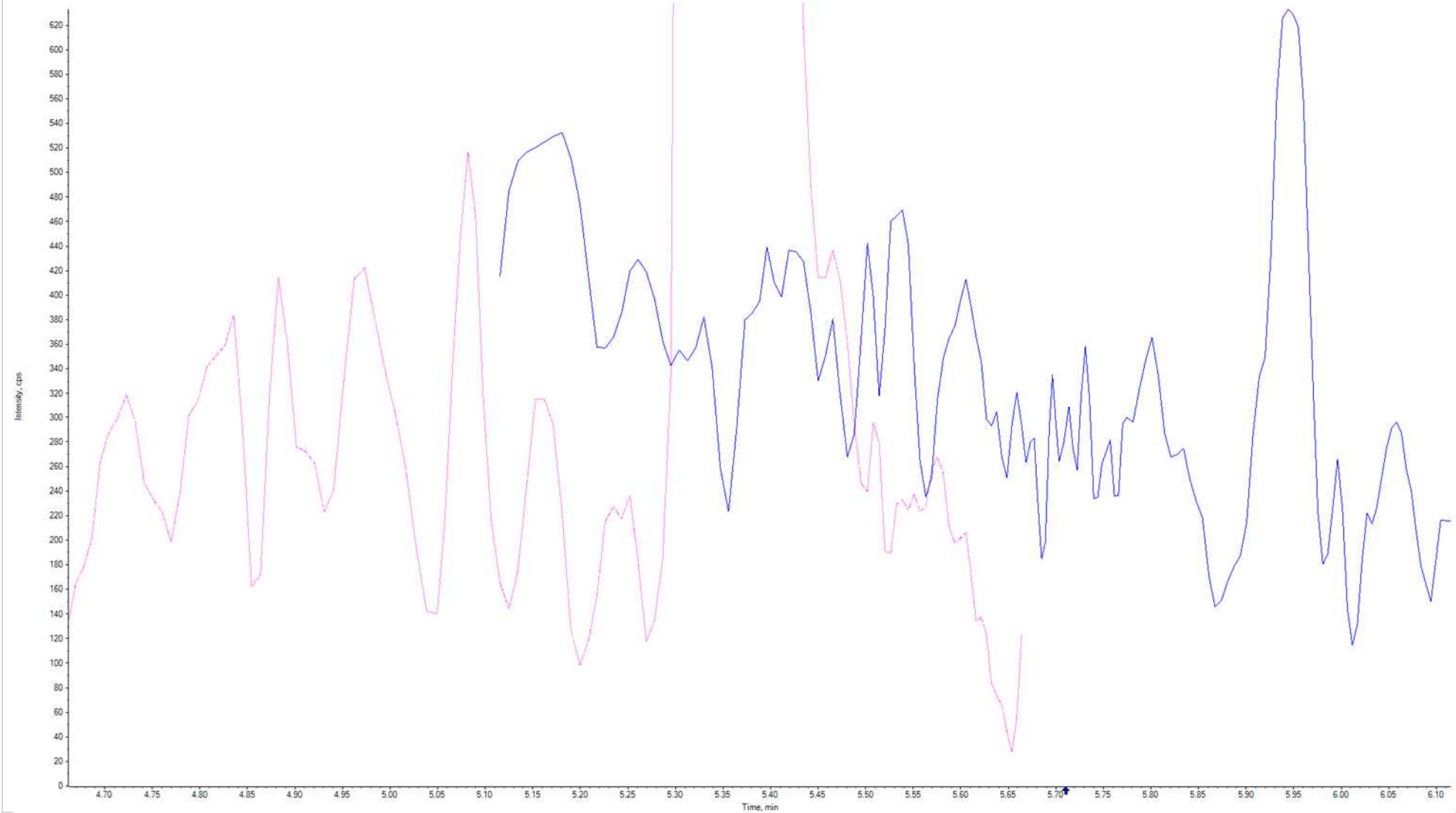
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFEESA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFEESA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFMPA
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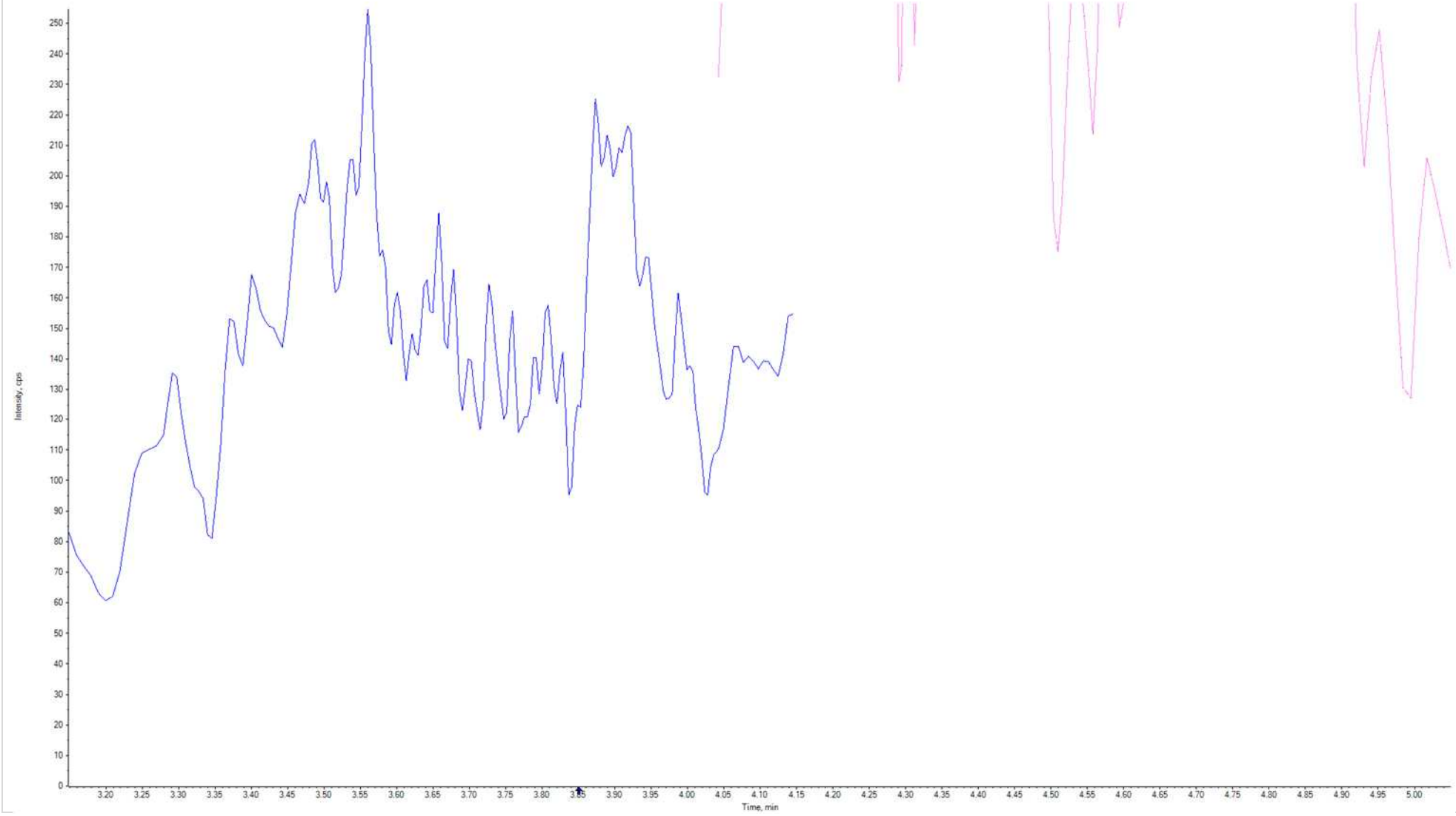
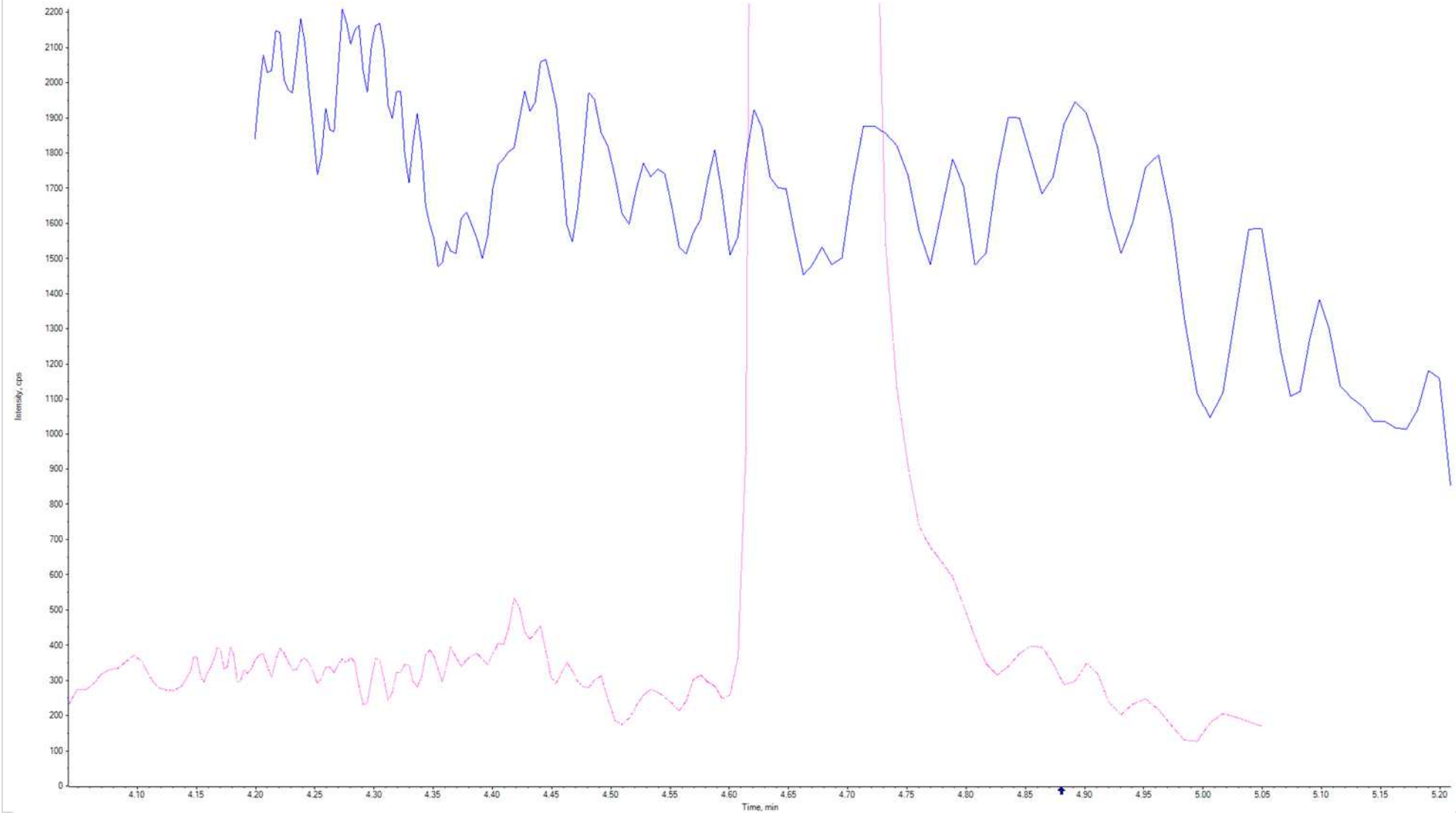
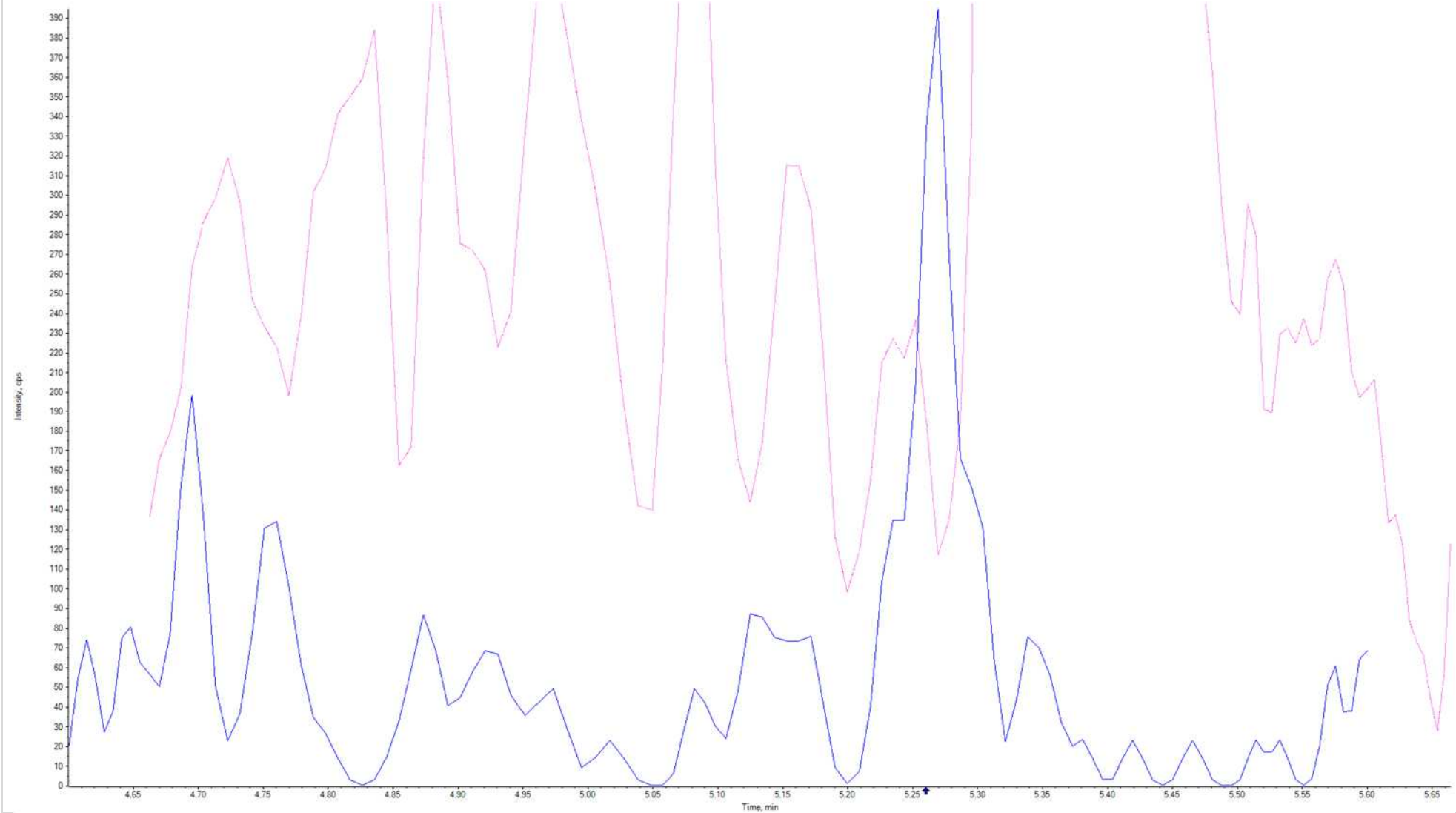


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFMBA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A

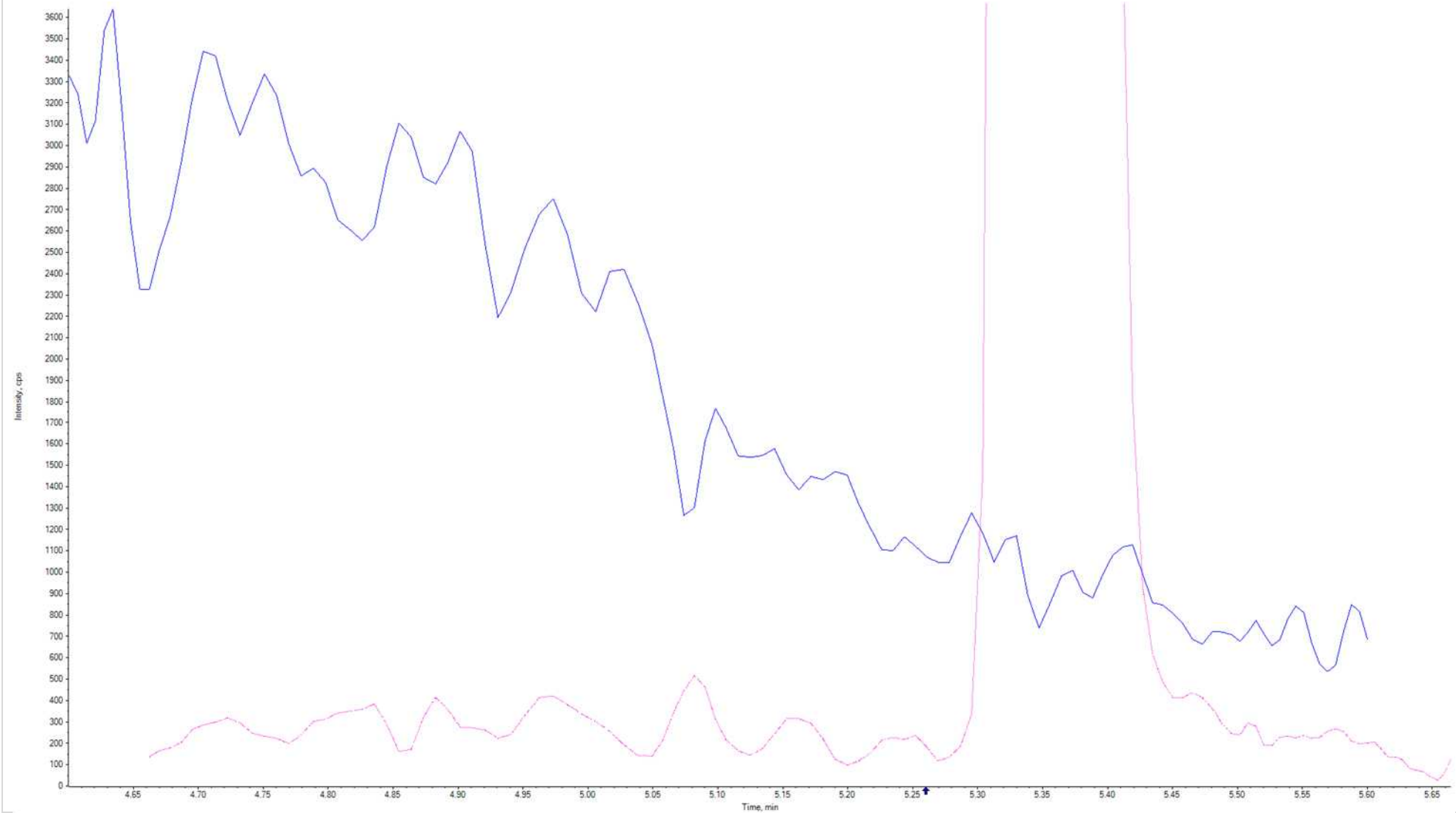


NFDHA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NFDHA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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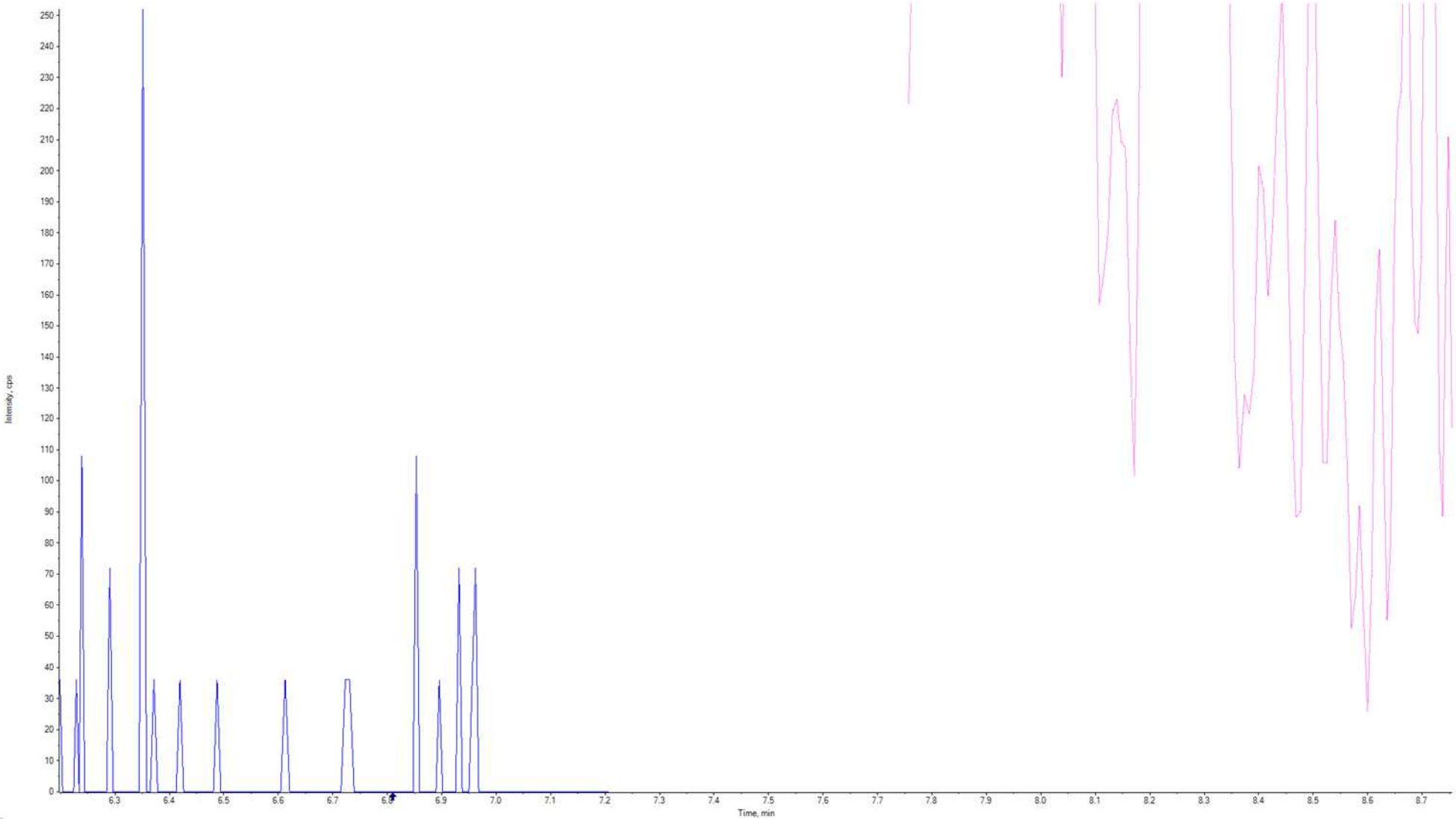
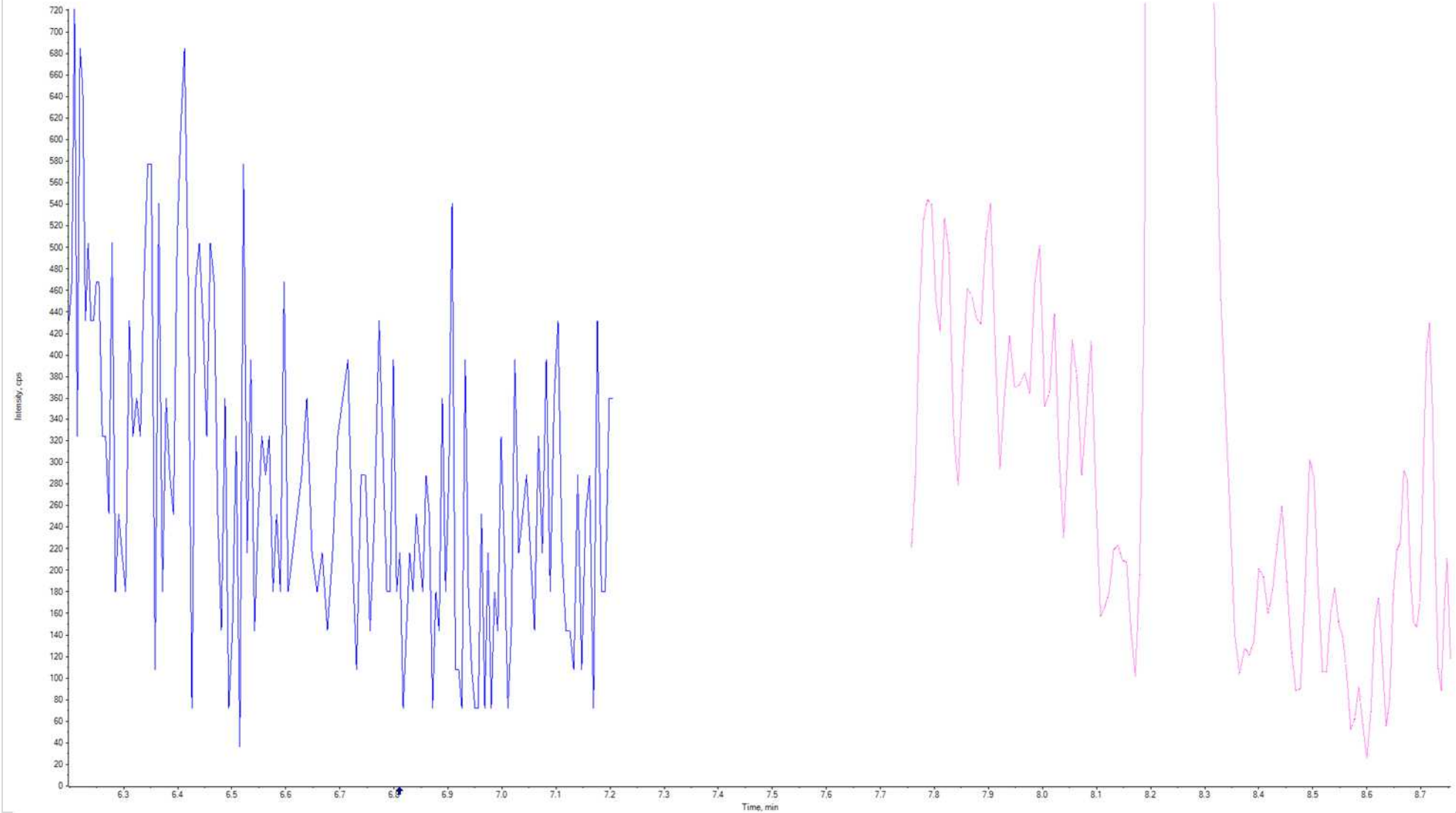
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

TDCA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

TDCA_2
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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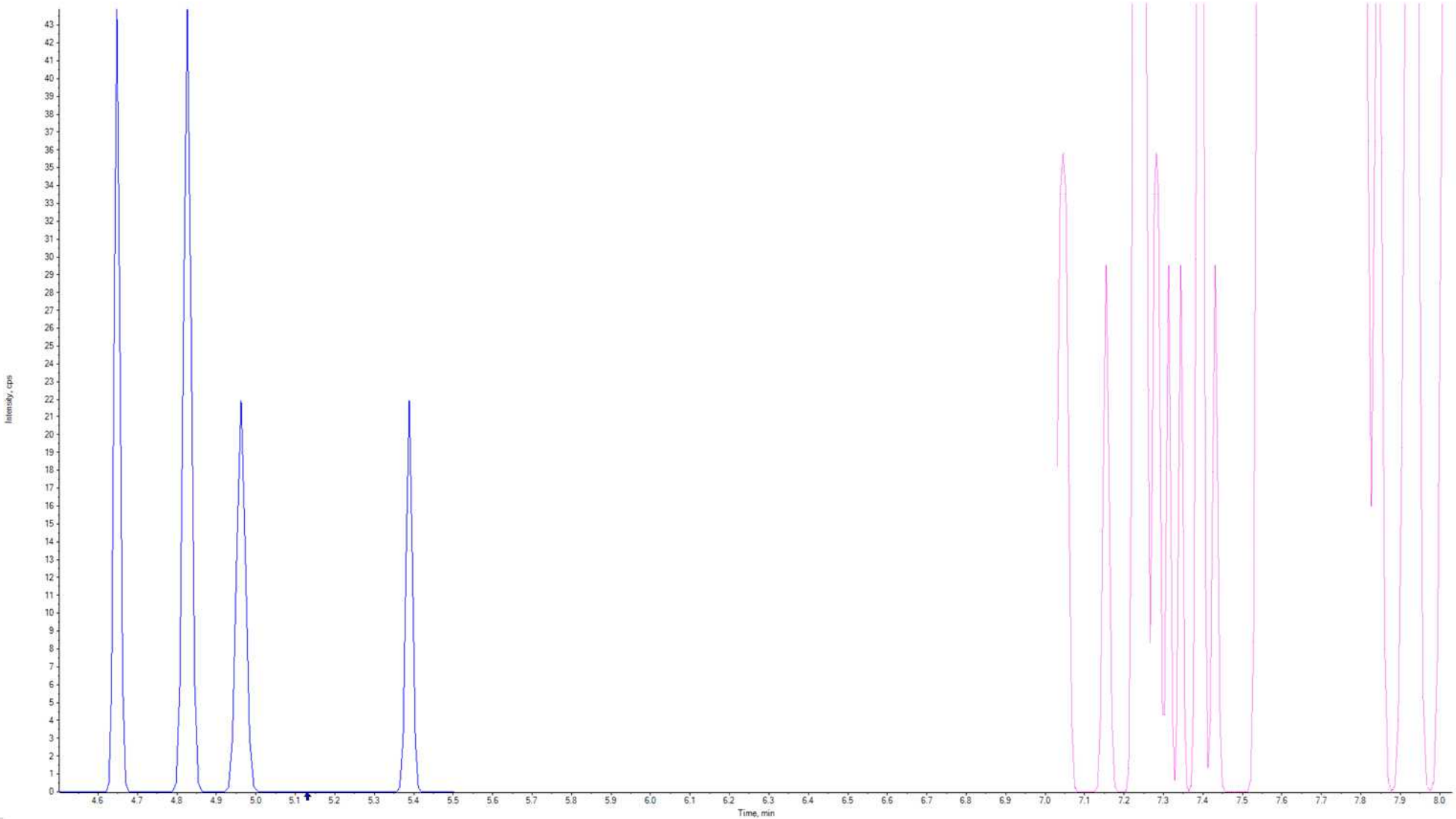
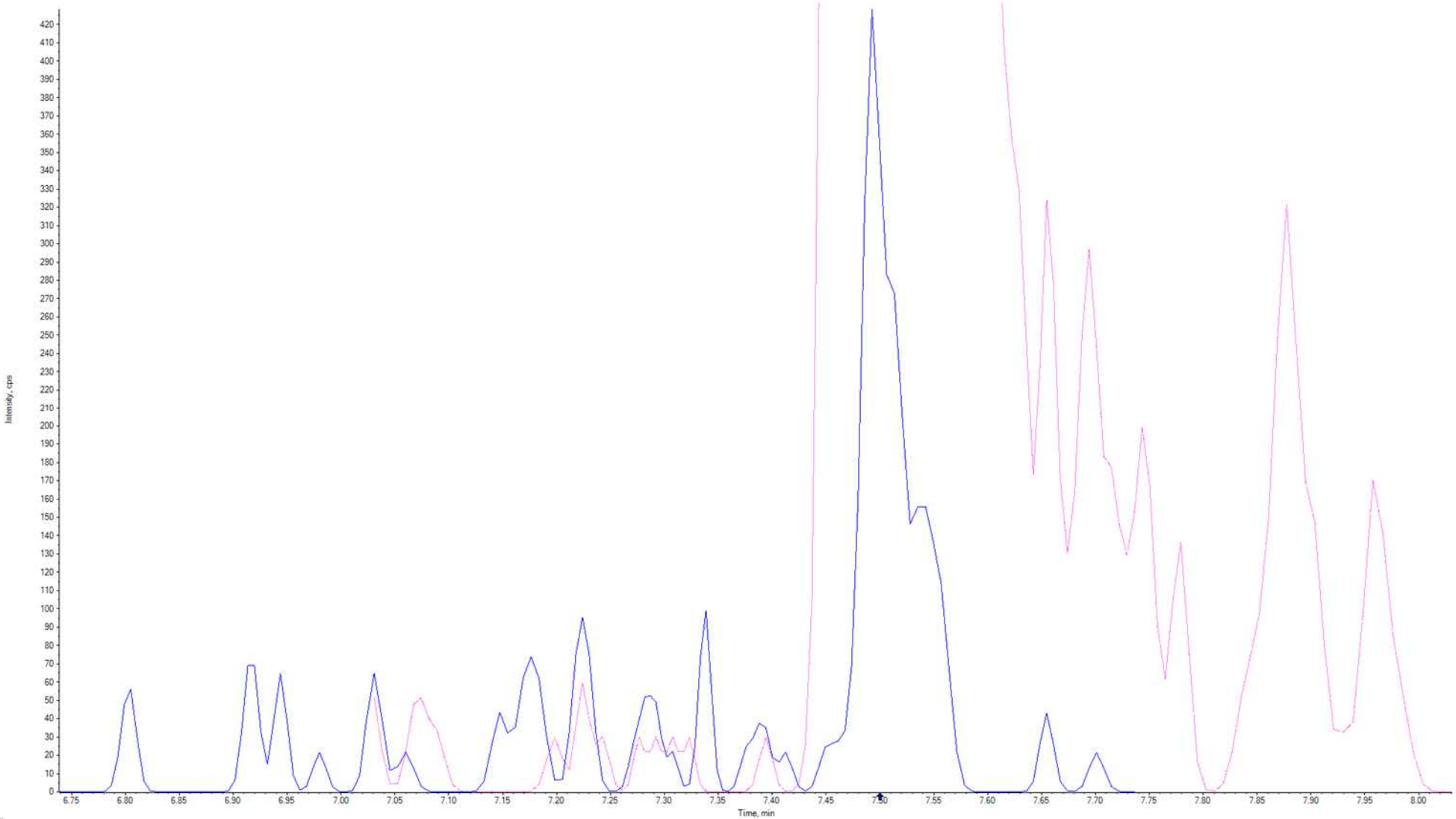
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C2D4-4:2FTS
Sample: L2447503-07 S/N:N/A Points Across peak:N/A

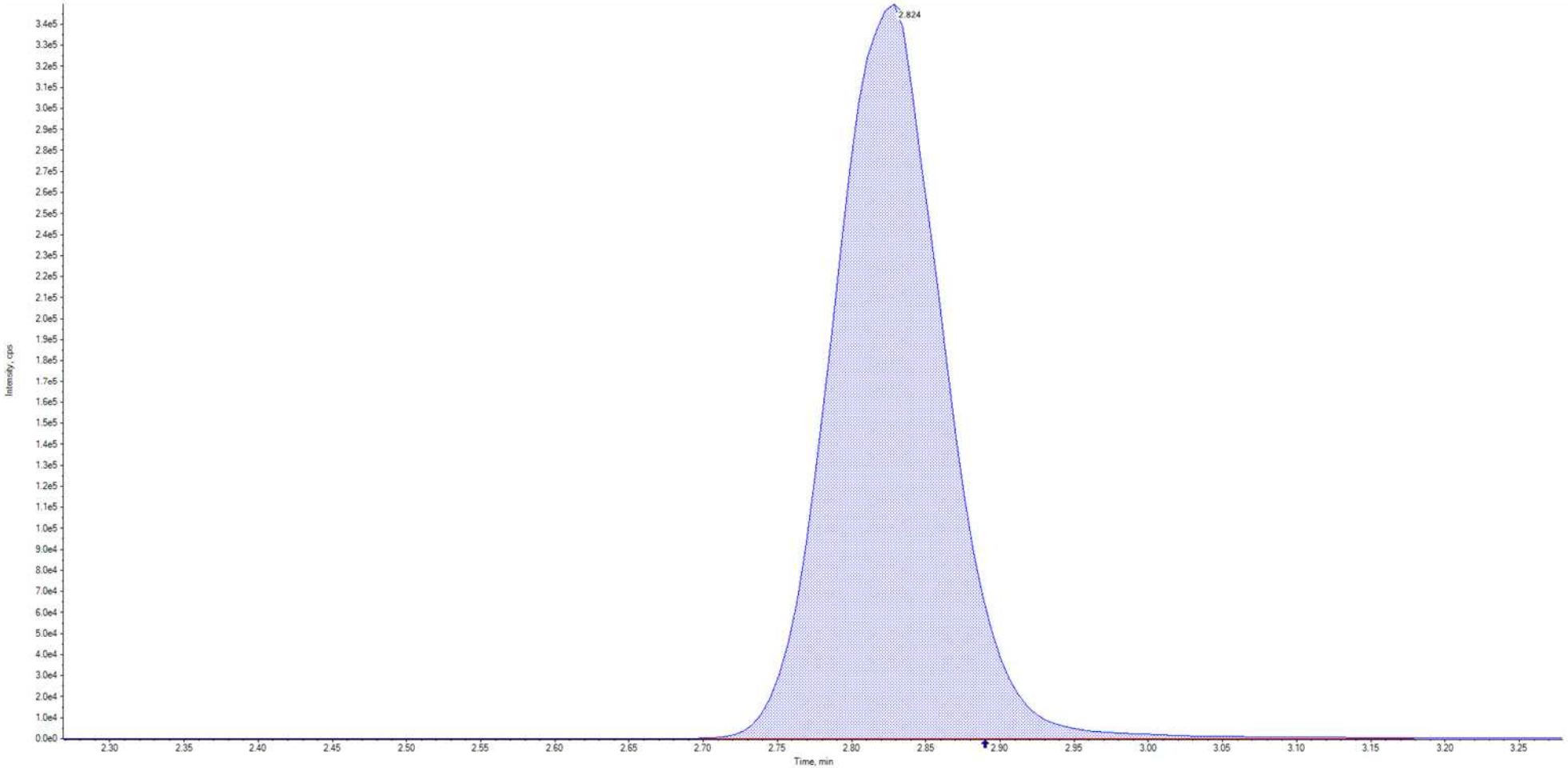


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C2-PFOA
Sample: L2447503-07 S/N:N/A Points Across peak:N/A



13C4-PFBA
Sample: L2447503-07



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
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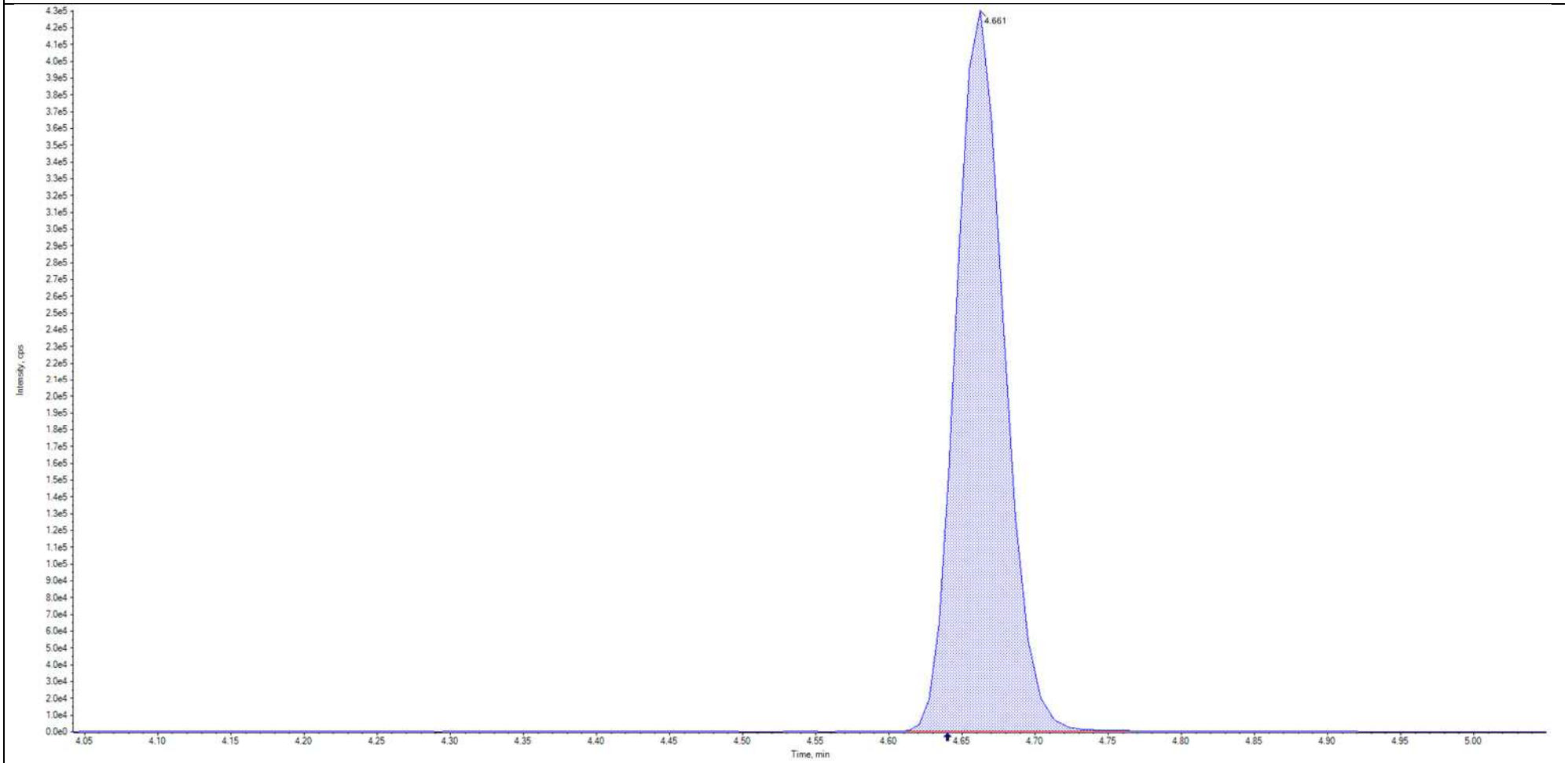
Generated: 9/17/2024 6:15:27 AM

13C5-PFPeA
Sample: L2447503-07



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
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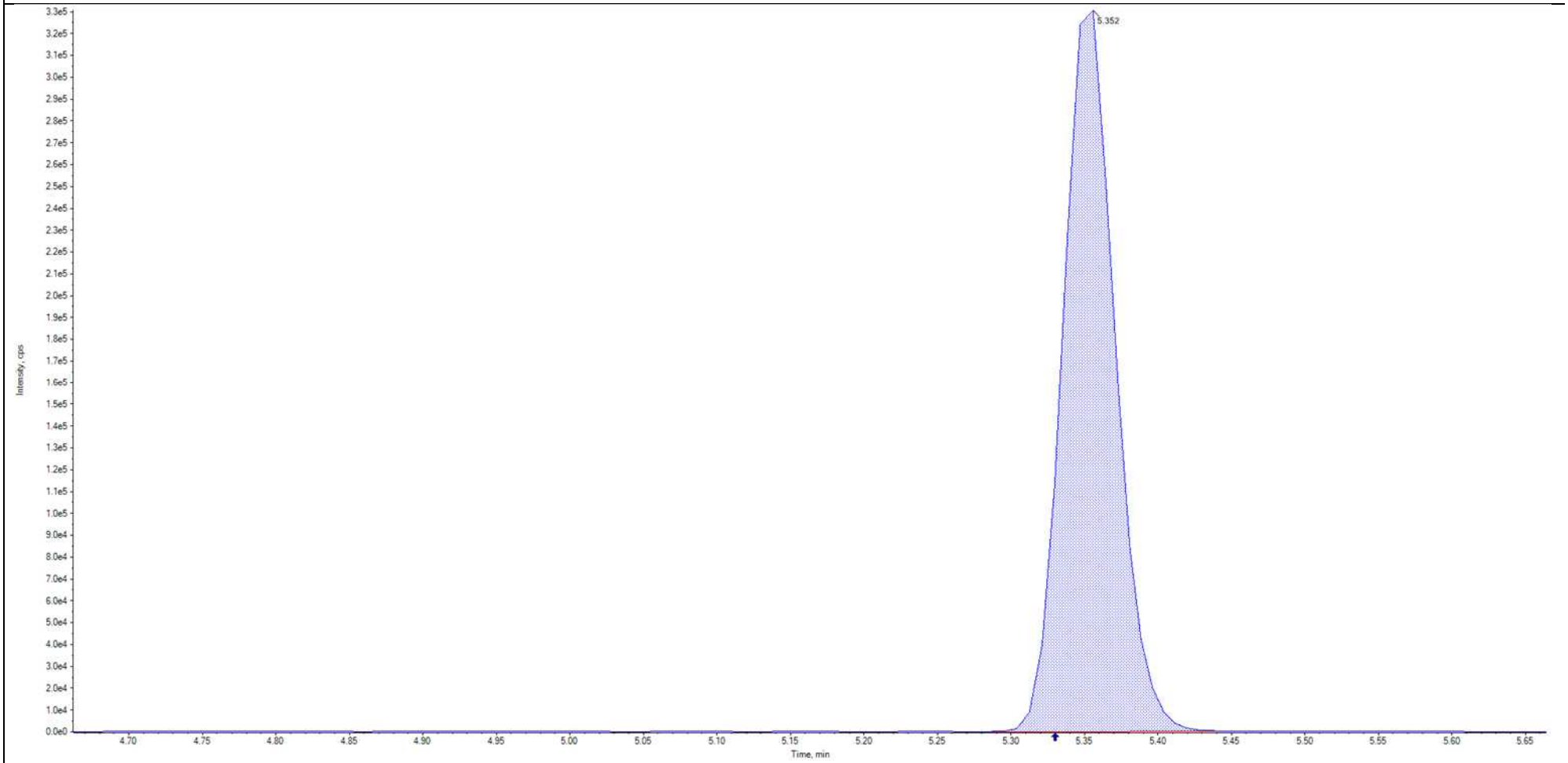
13C5-PFHxA
Sample: L2447503-07



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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13C4-PFHpA
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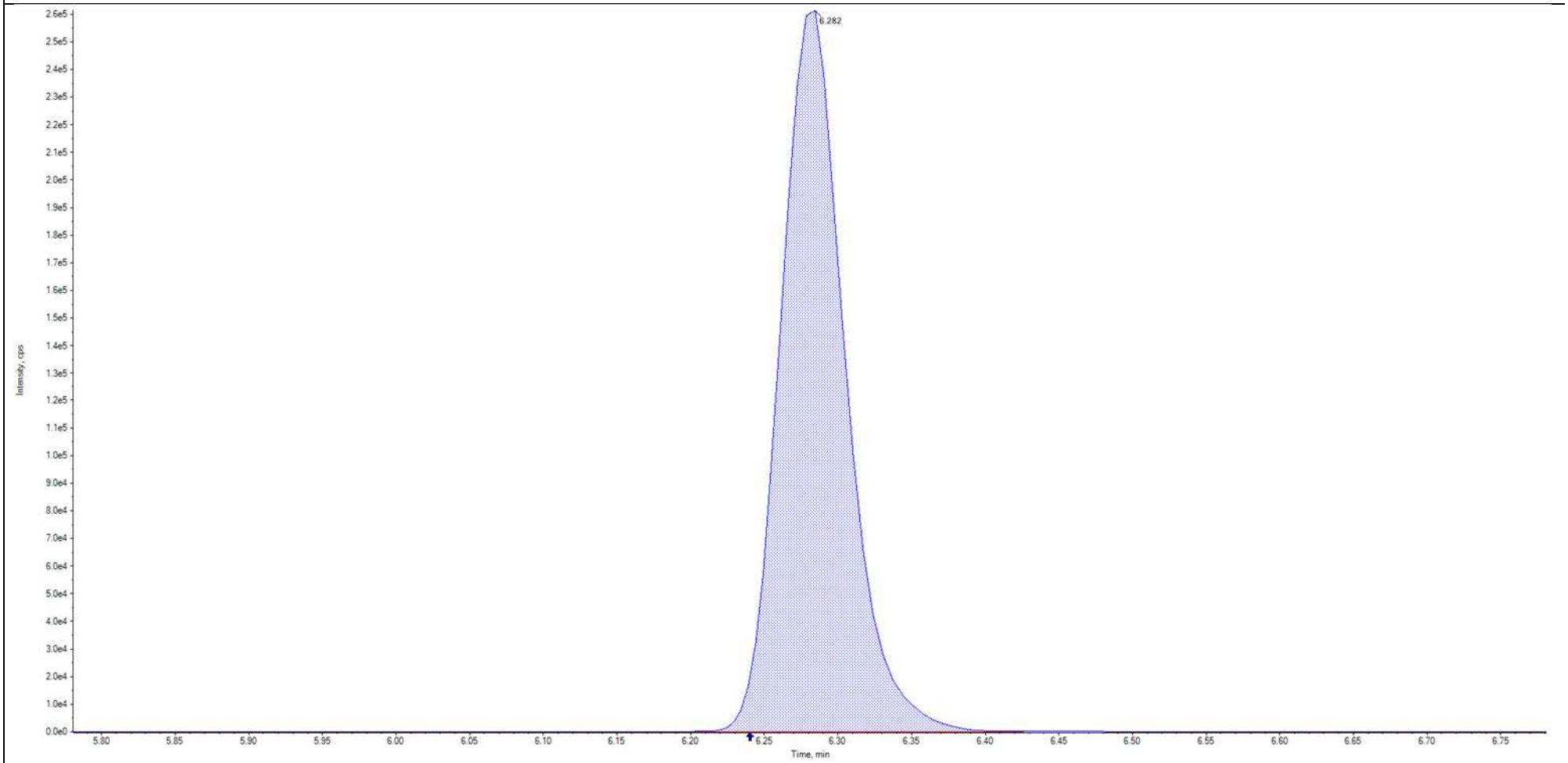
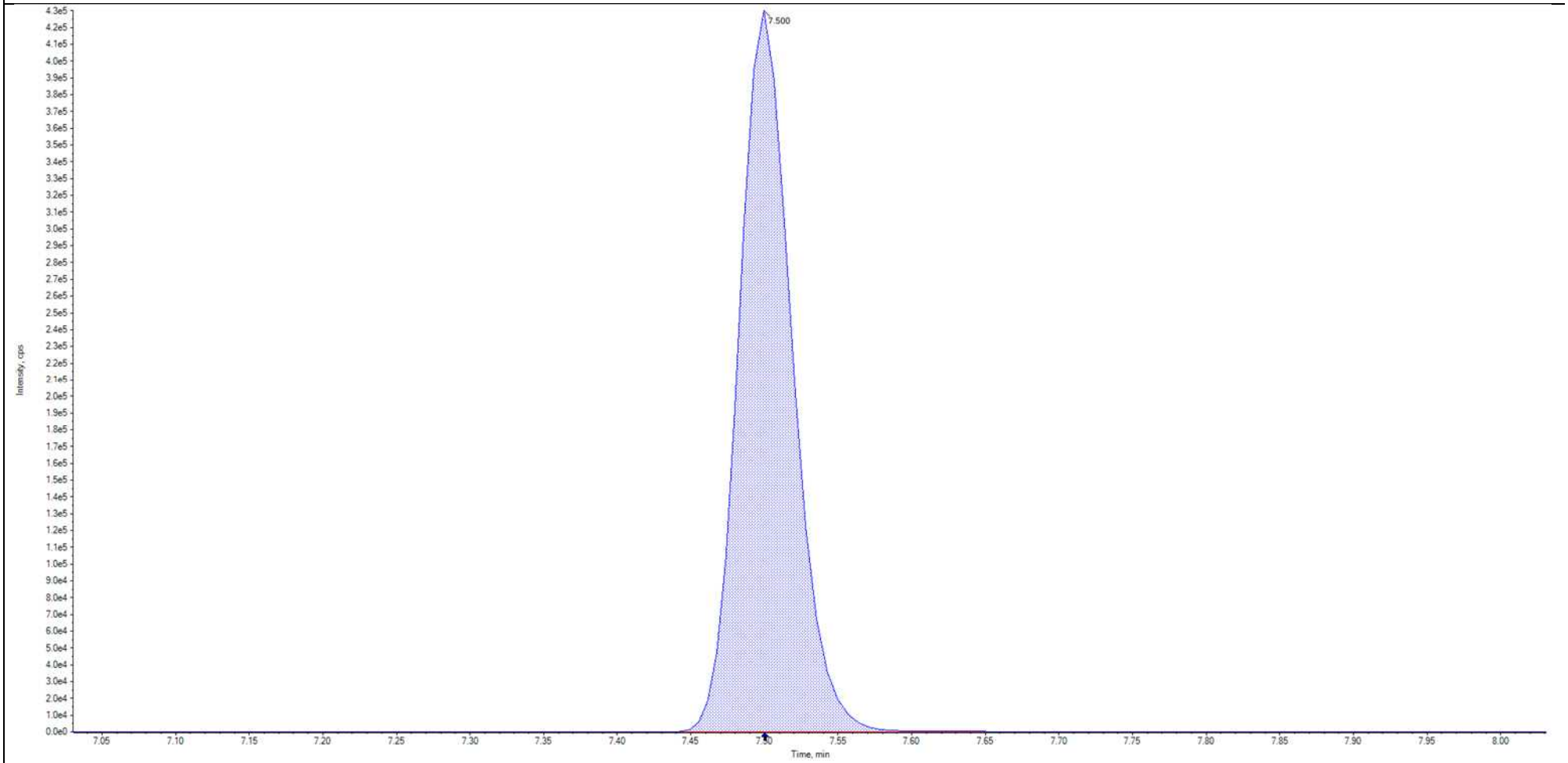


13C8-PFOA
Sample: L2447503-07



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 9/17/2024 6:15:27 AM

13C9-PFNA
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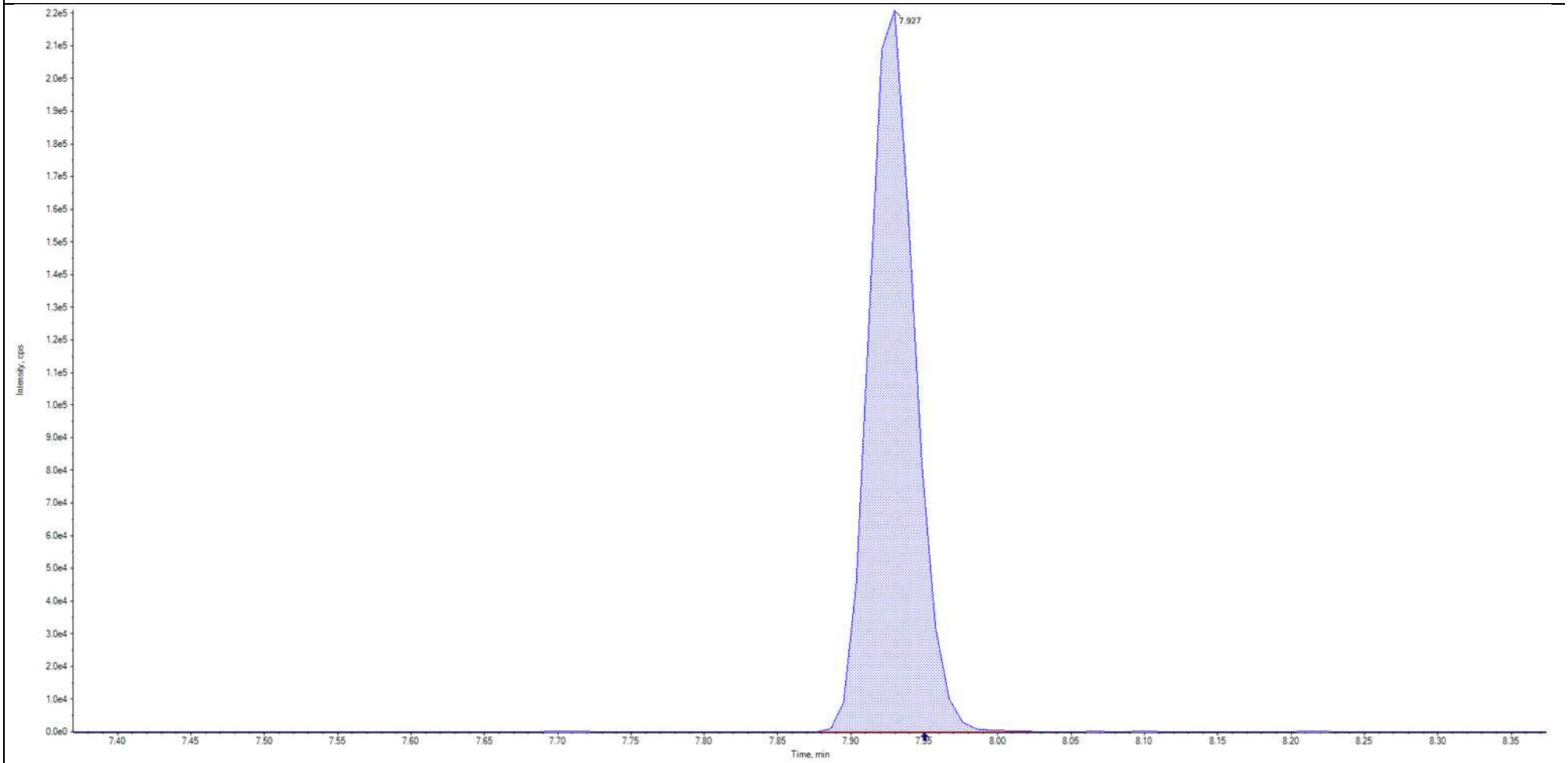
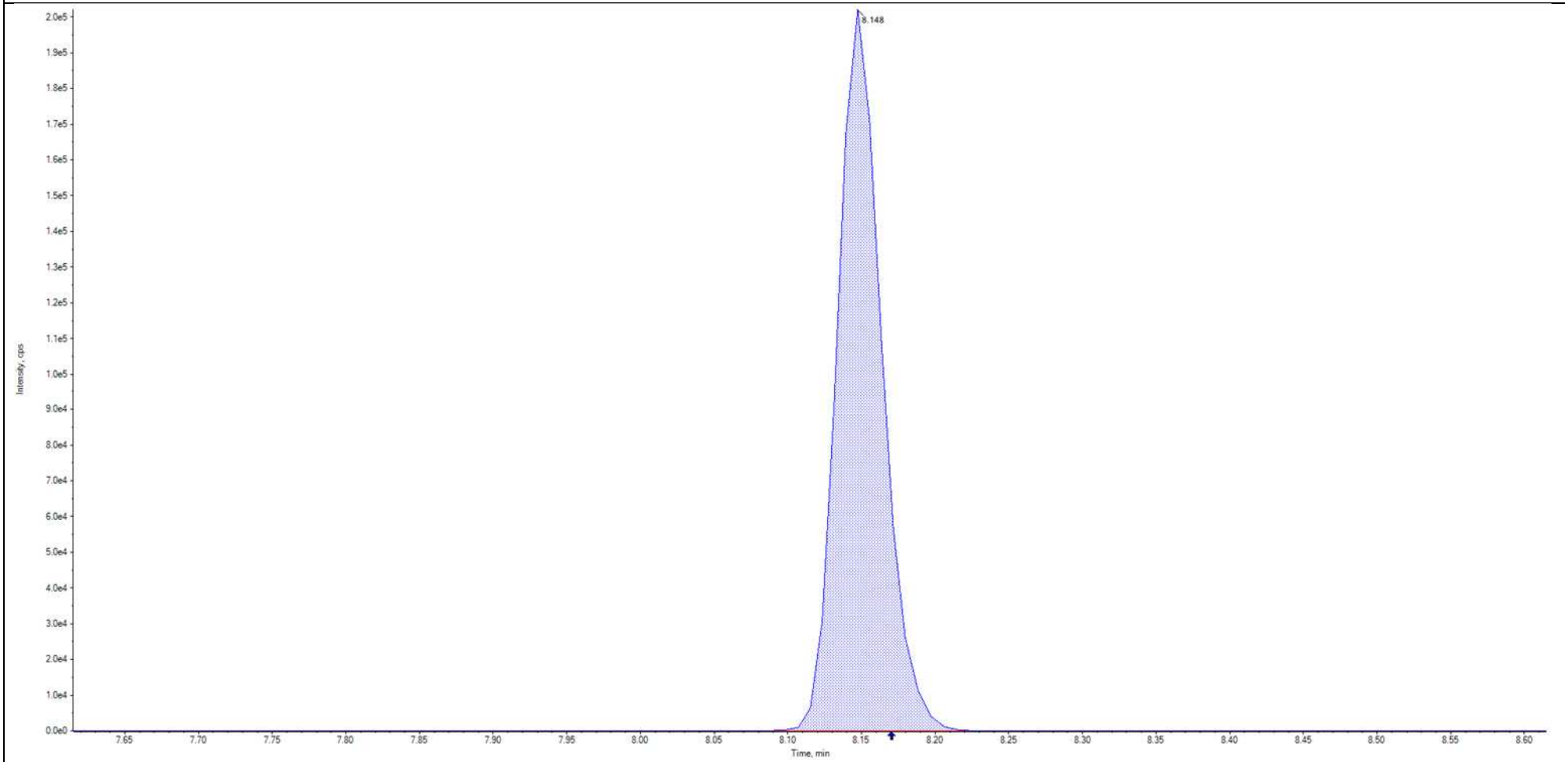


13C6-PFDA
Sample: L2447503-07



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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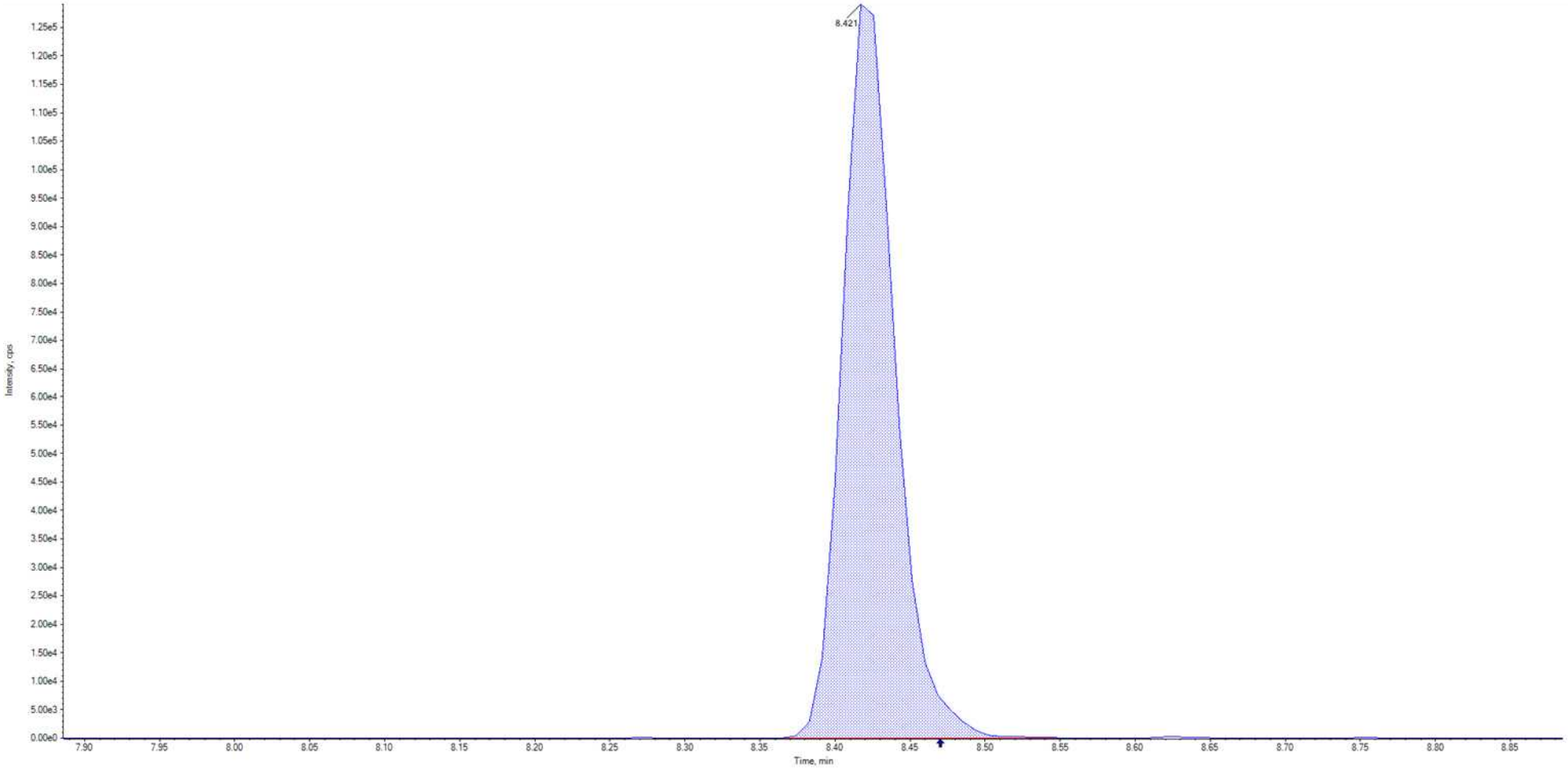
Generated: 9/17/2024 6:15:27 AM

13C7-PFUnA
Sample: L2447503-07



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
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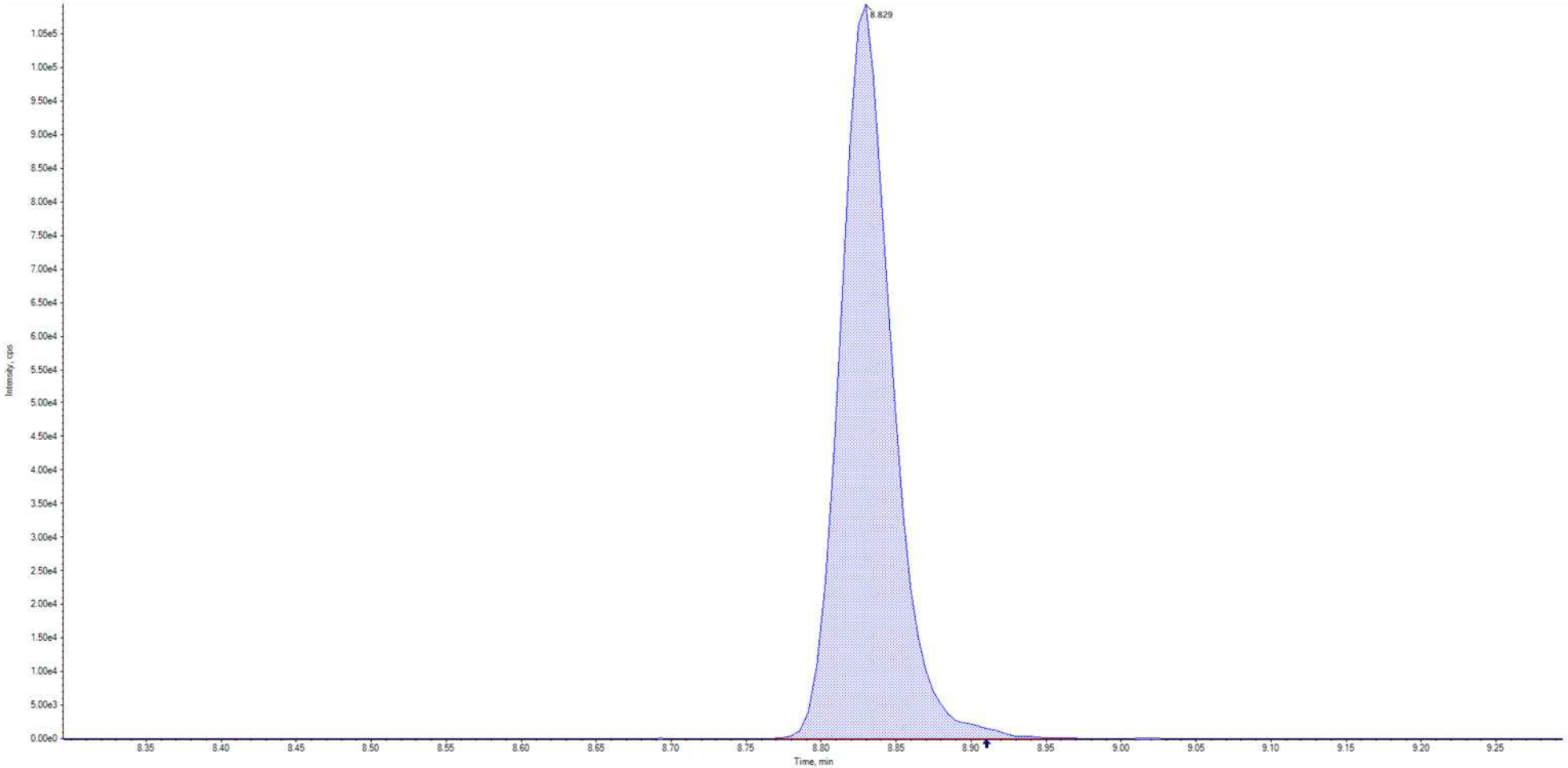
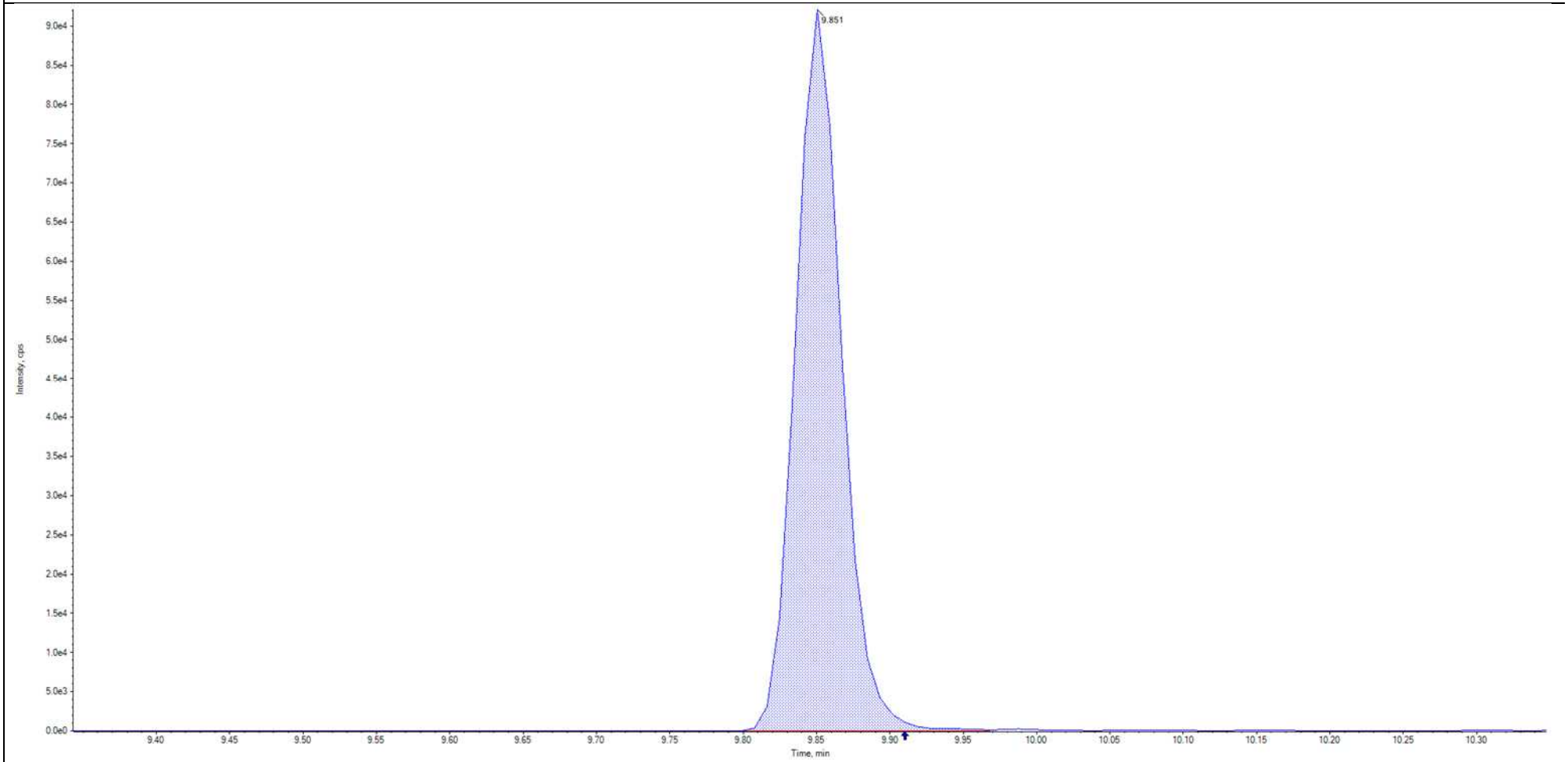
Generated: 9/17/2024 6:15:27 AM

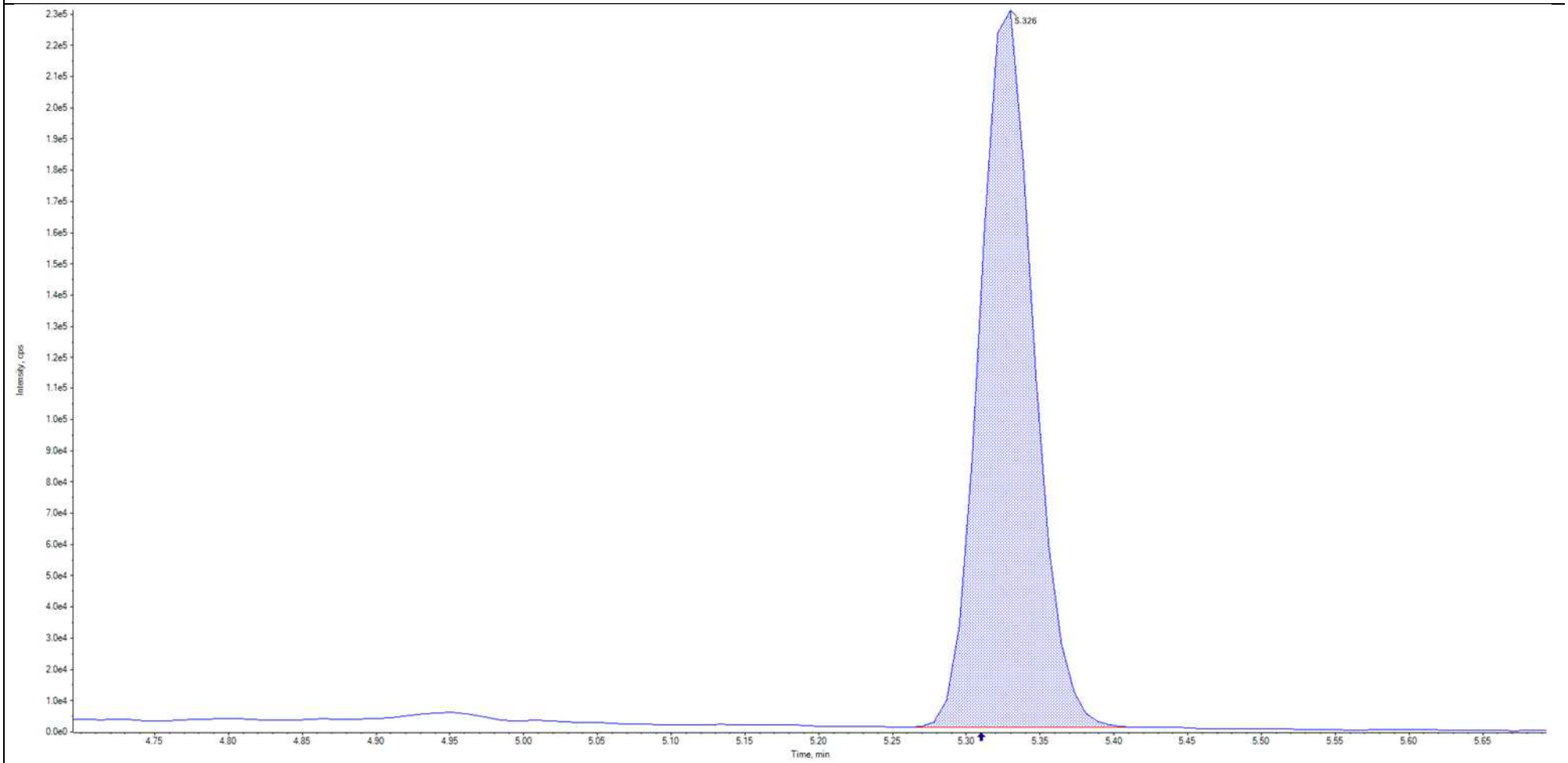
13C2-PFDoA
Sample: L2447503-07



13C2-PFTeDA
Sample: L2447503-07

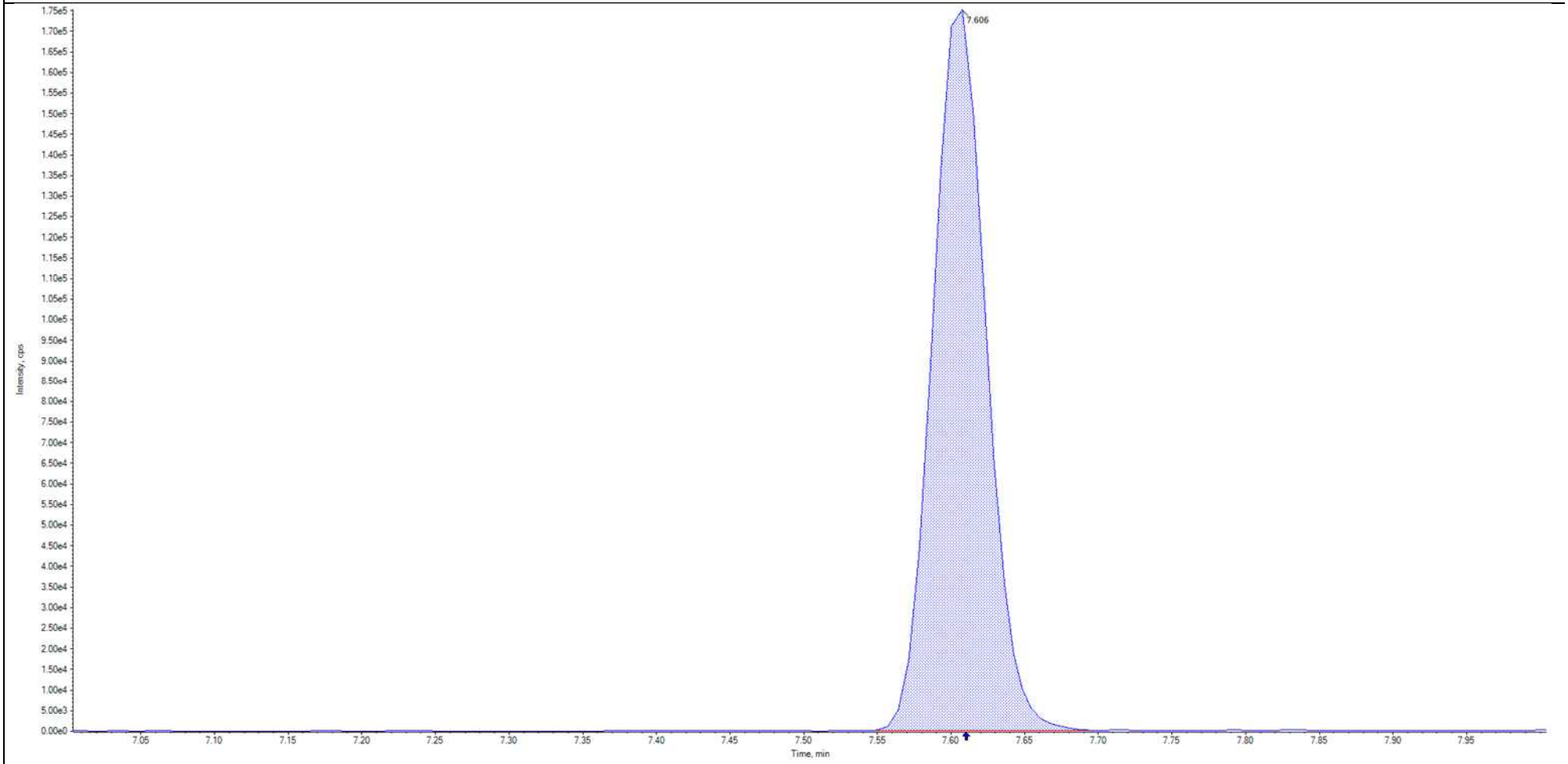


13C3-PFBS
Sample: L2447503-07



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C3-PFHxS
Sample: L2447503-07



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
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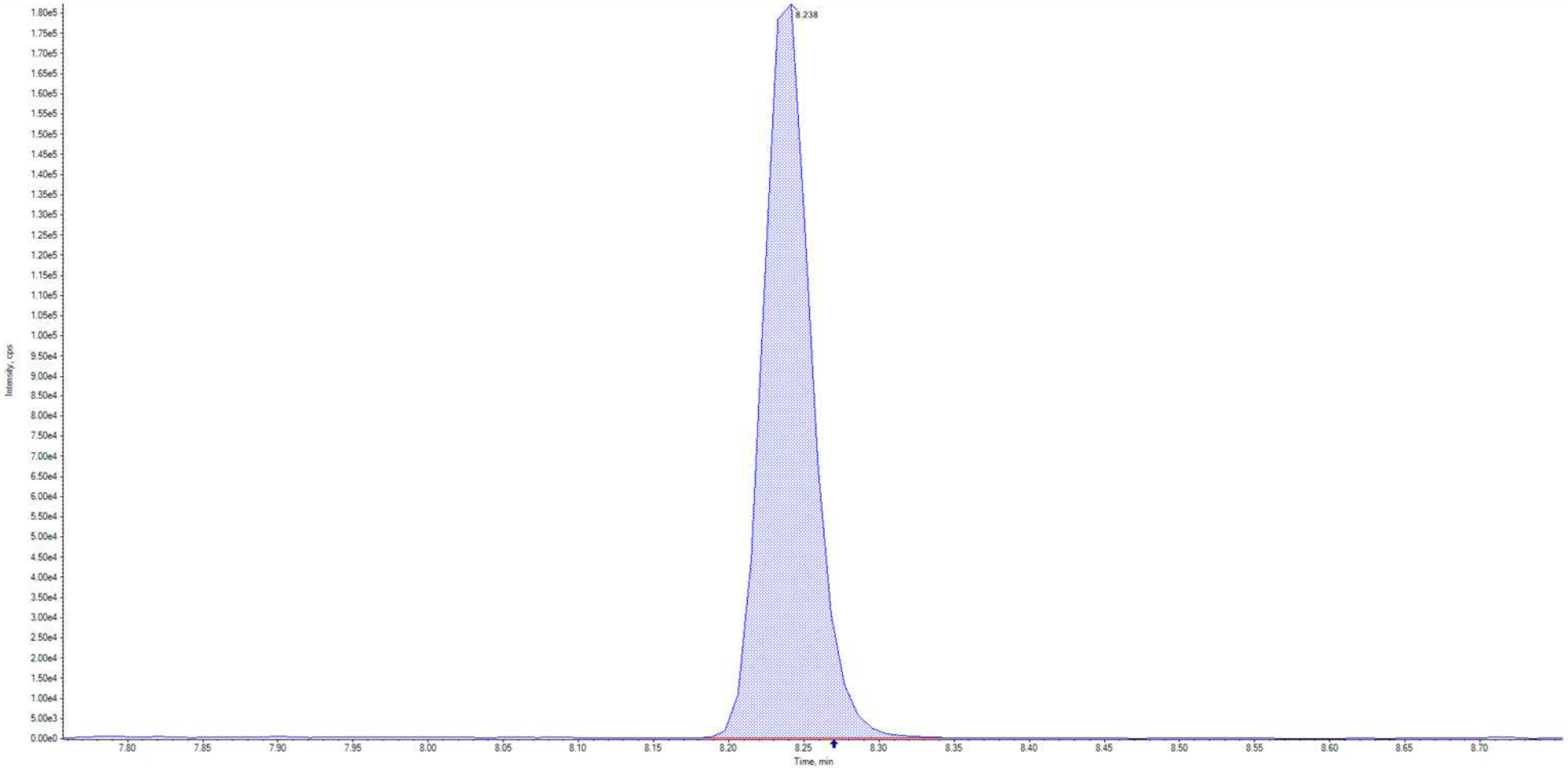
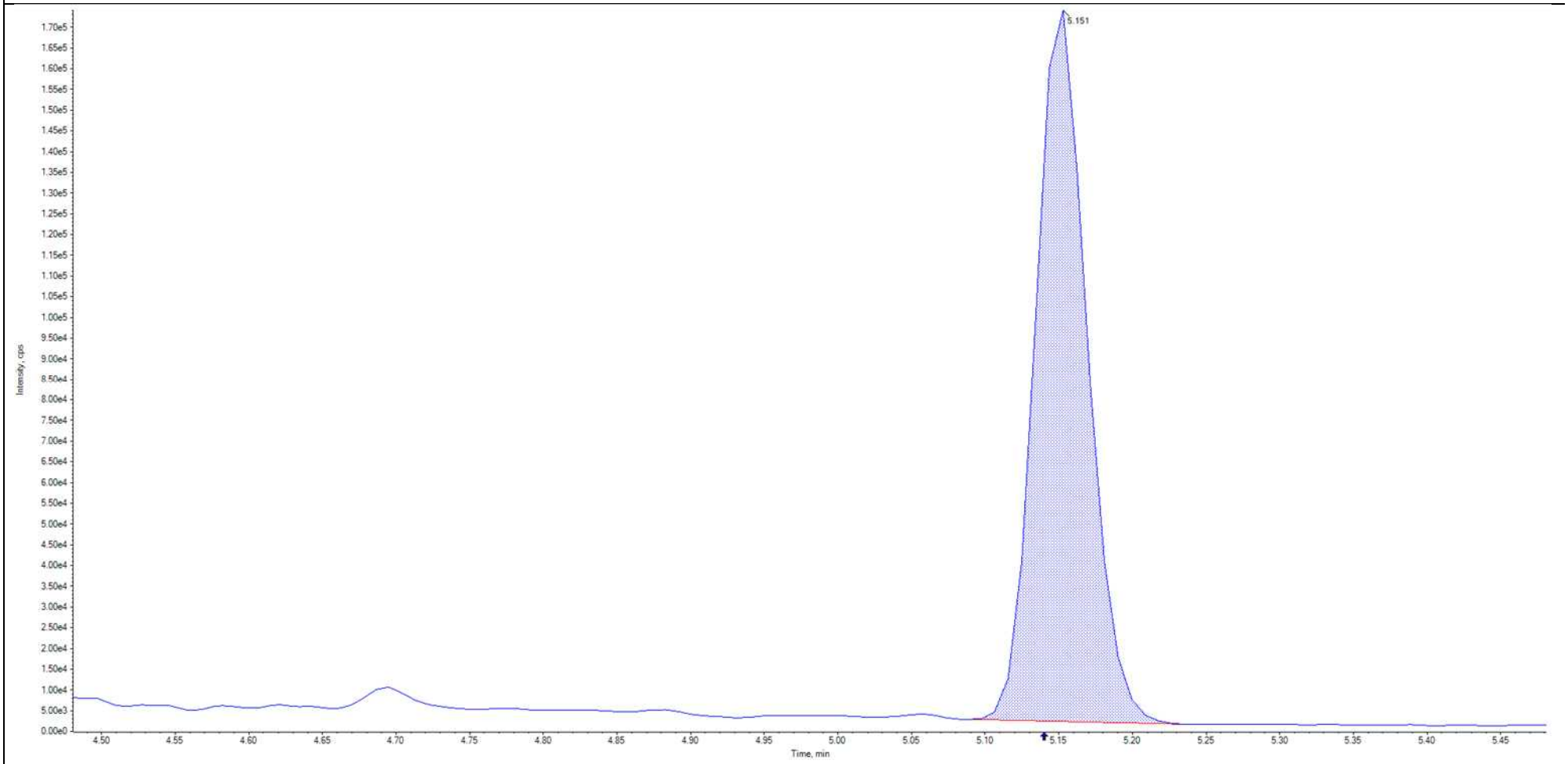
Generated: 9/17/2024 6:15:27 AM

13C8-PFOS
Sample: L2447503-07

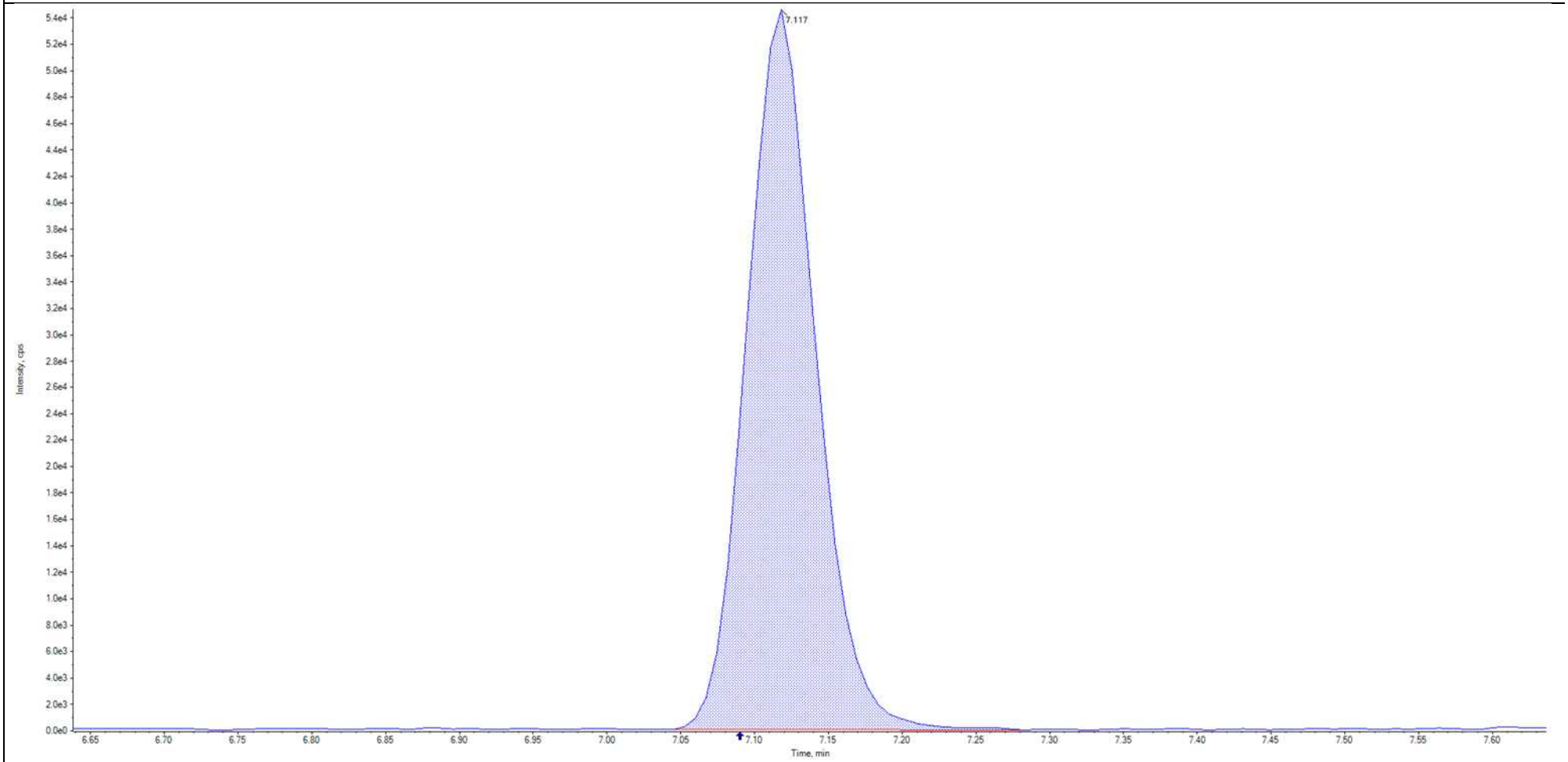


13C2-4:2FTS
Sample: L2447503-07

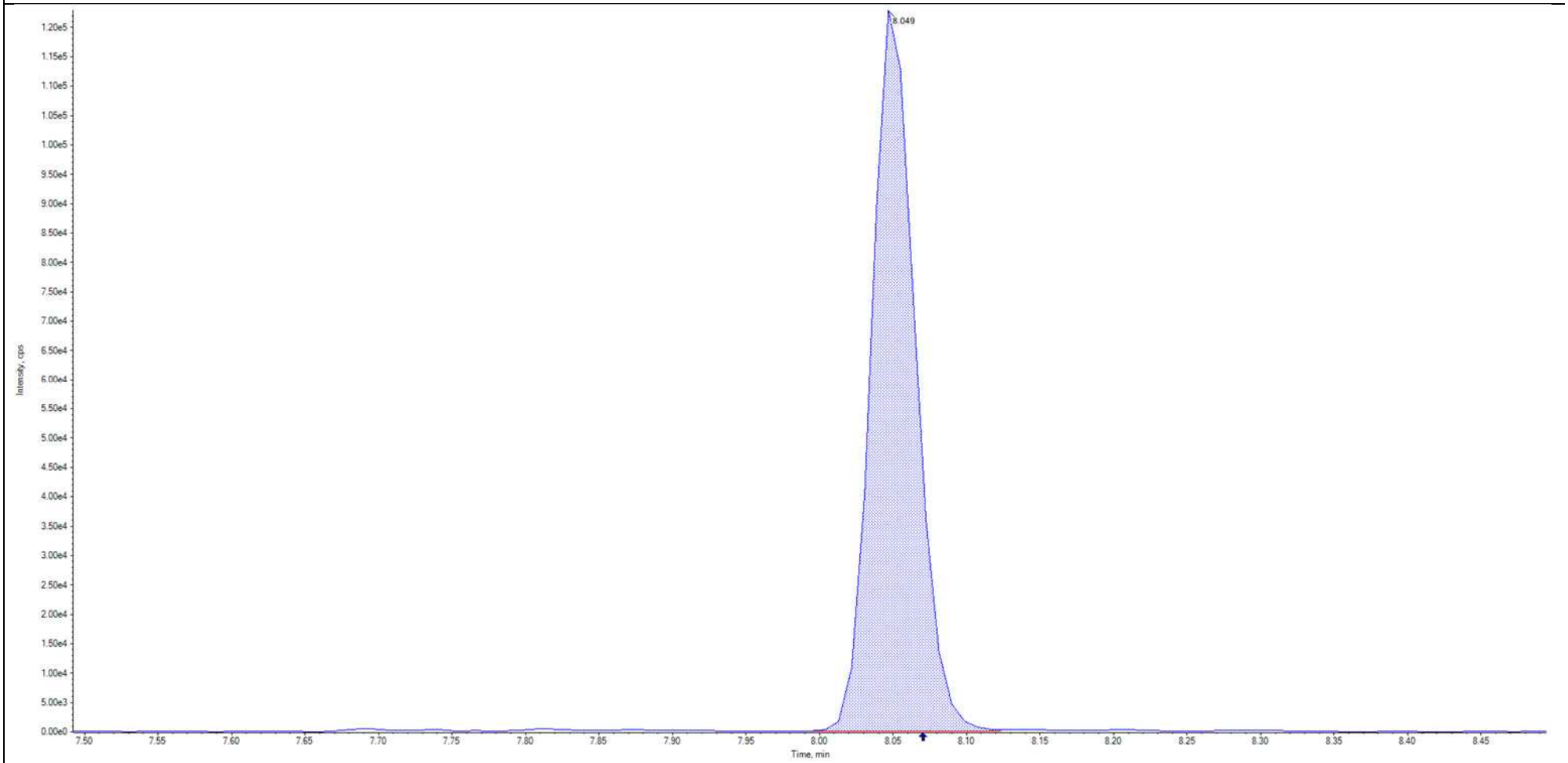


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_20.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

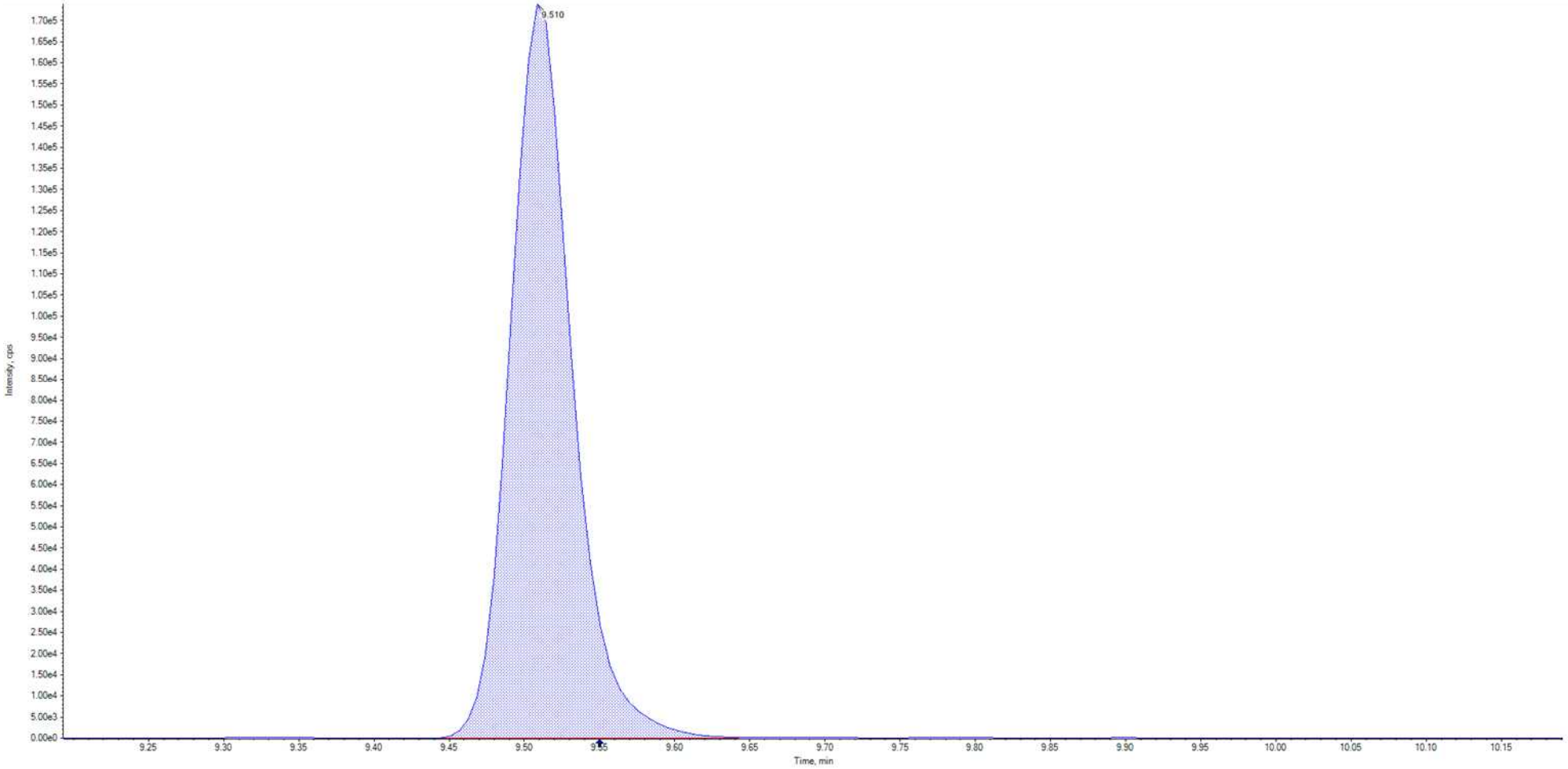
13C2-6:2FTS
Sample: L2447503-07



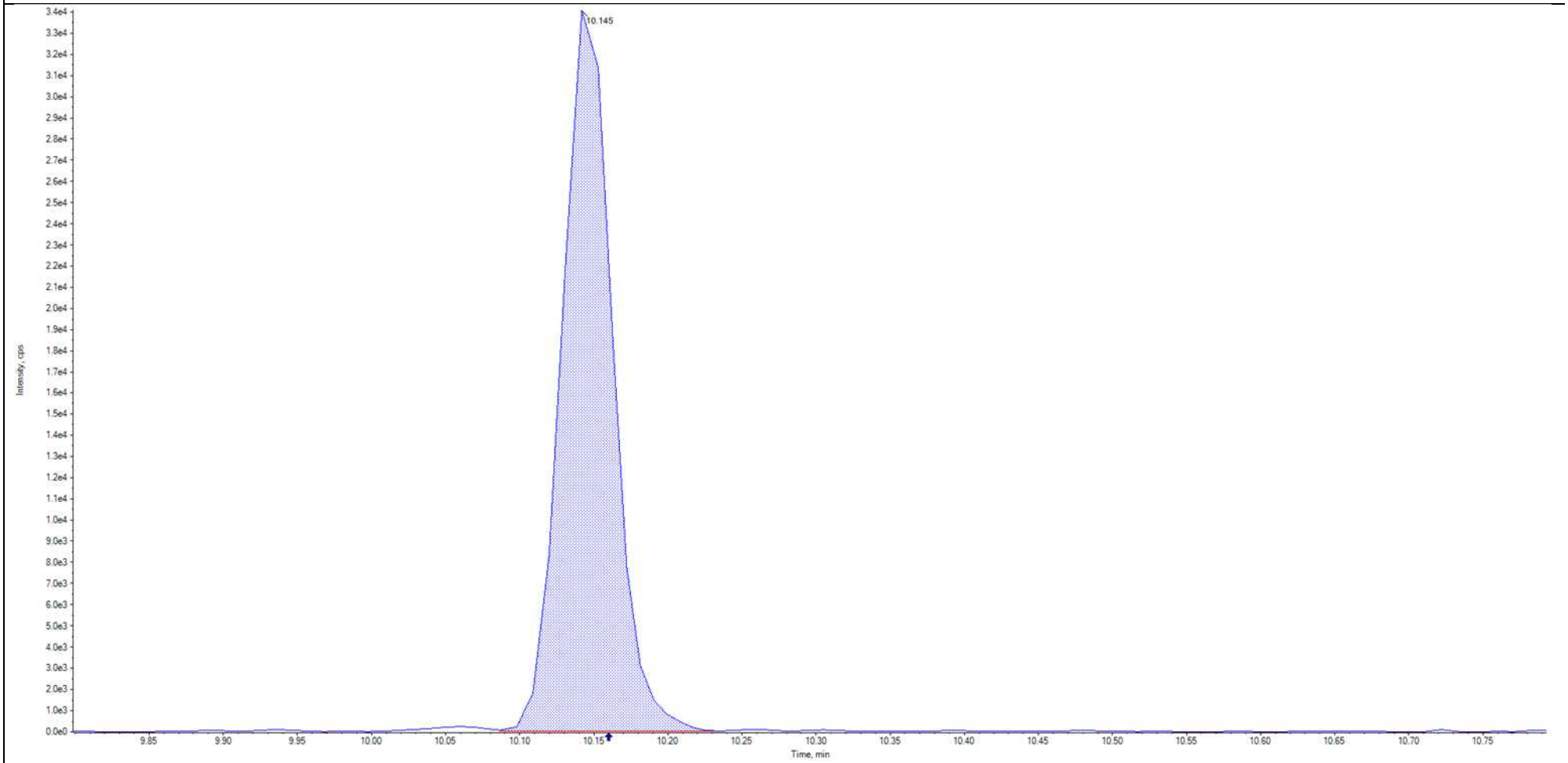
13C2-8:2FTS
Sample: L2447503-07



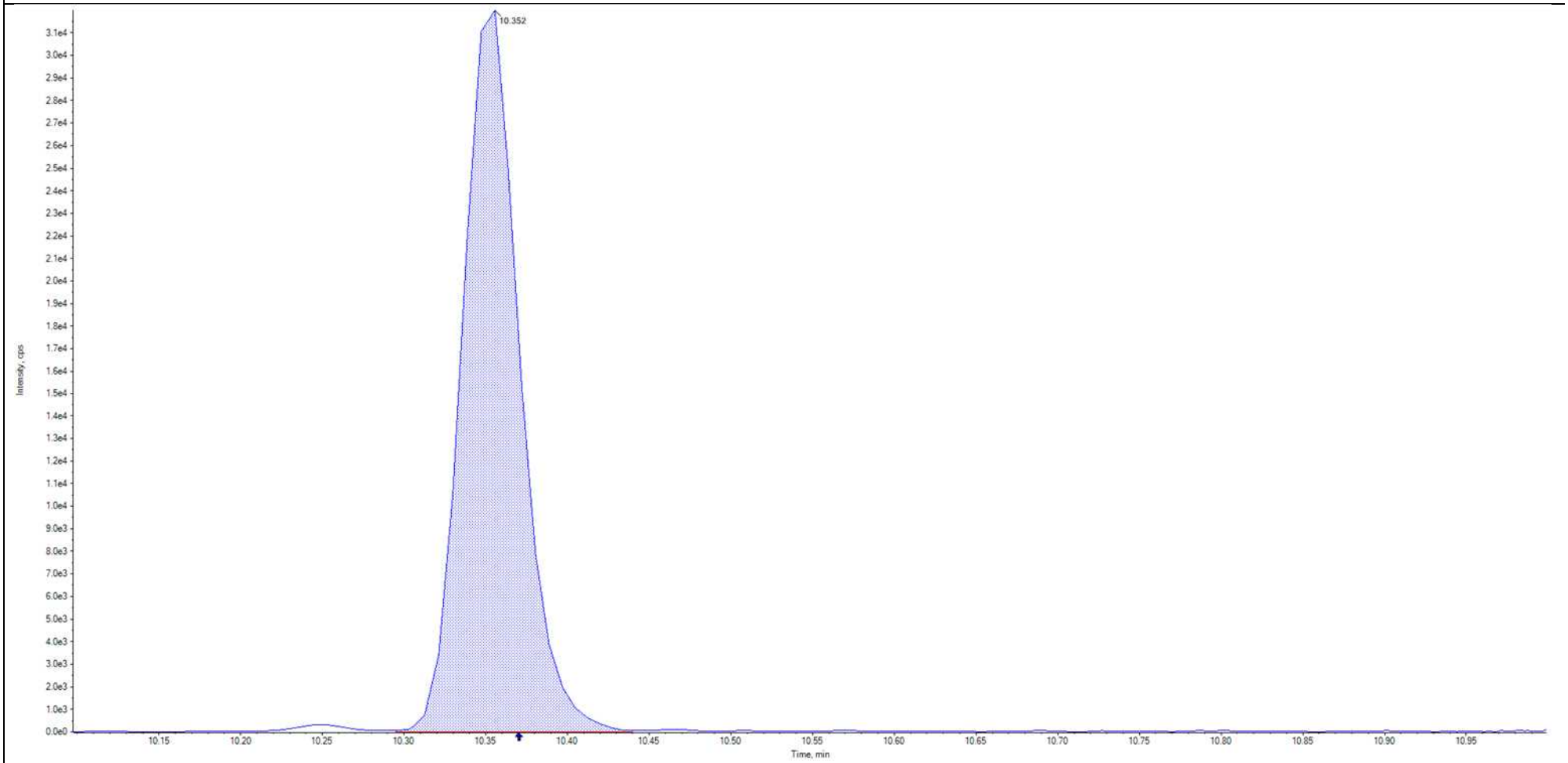
13C8-PFOSA
Sample: L2447503-07



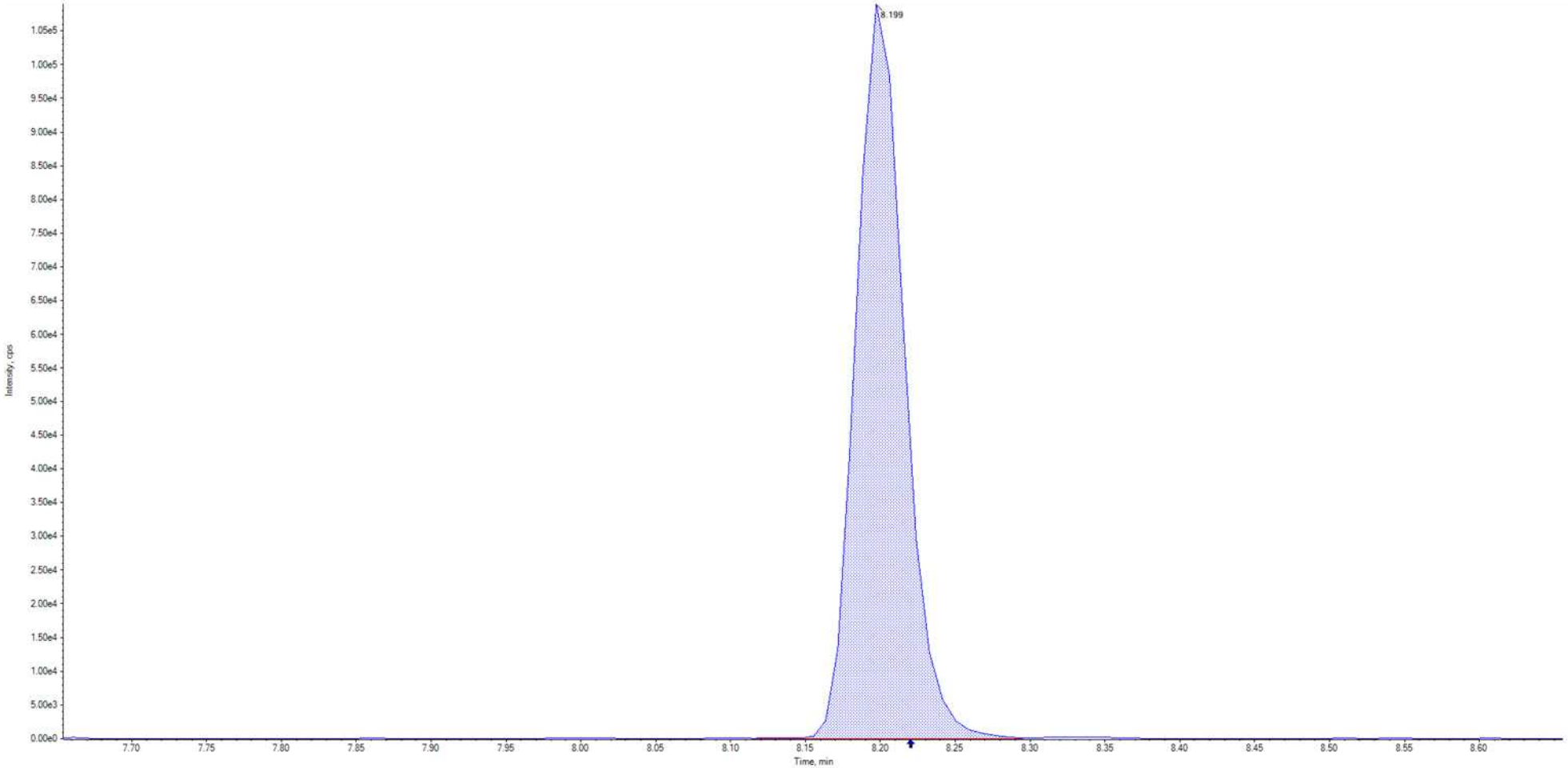
d3-NMeFOSA
Sample: L2447503-07



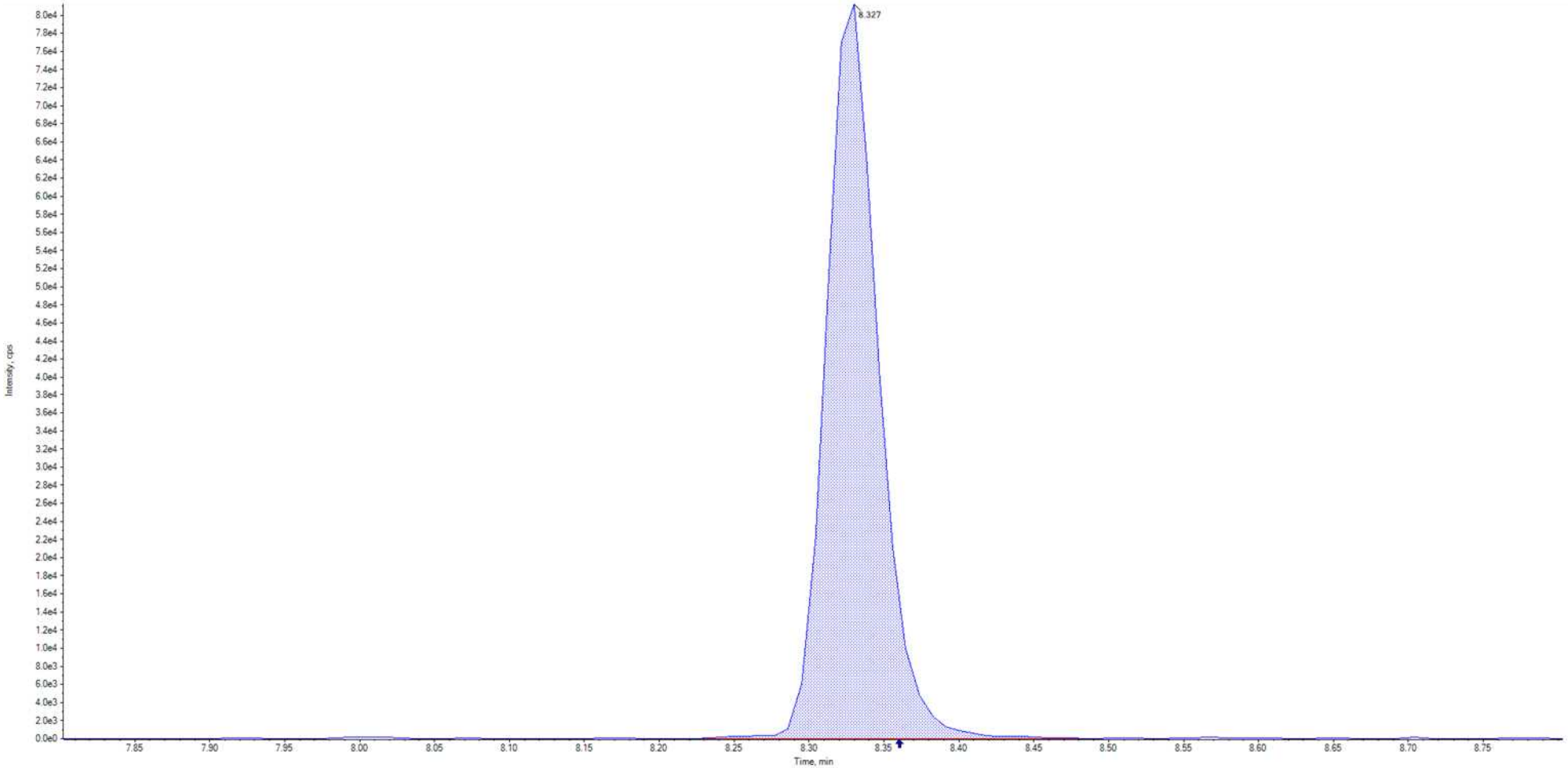
d5-NEtFOSA
Sample: L2447503-07



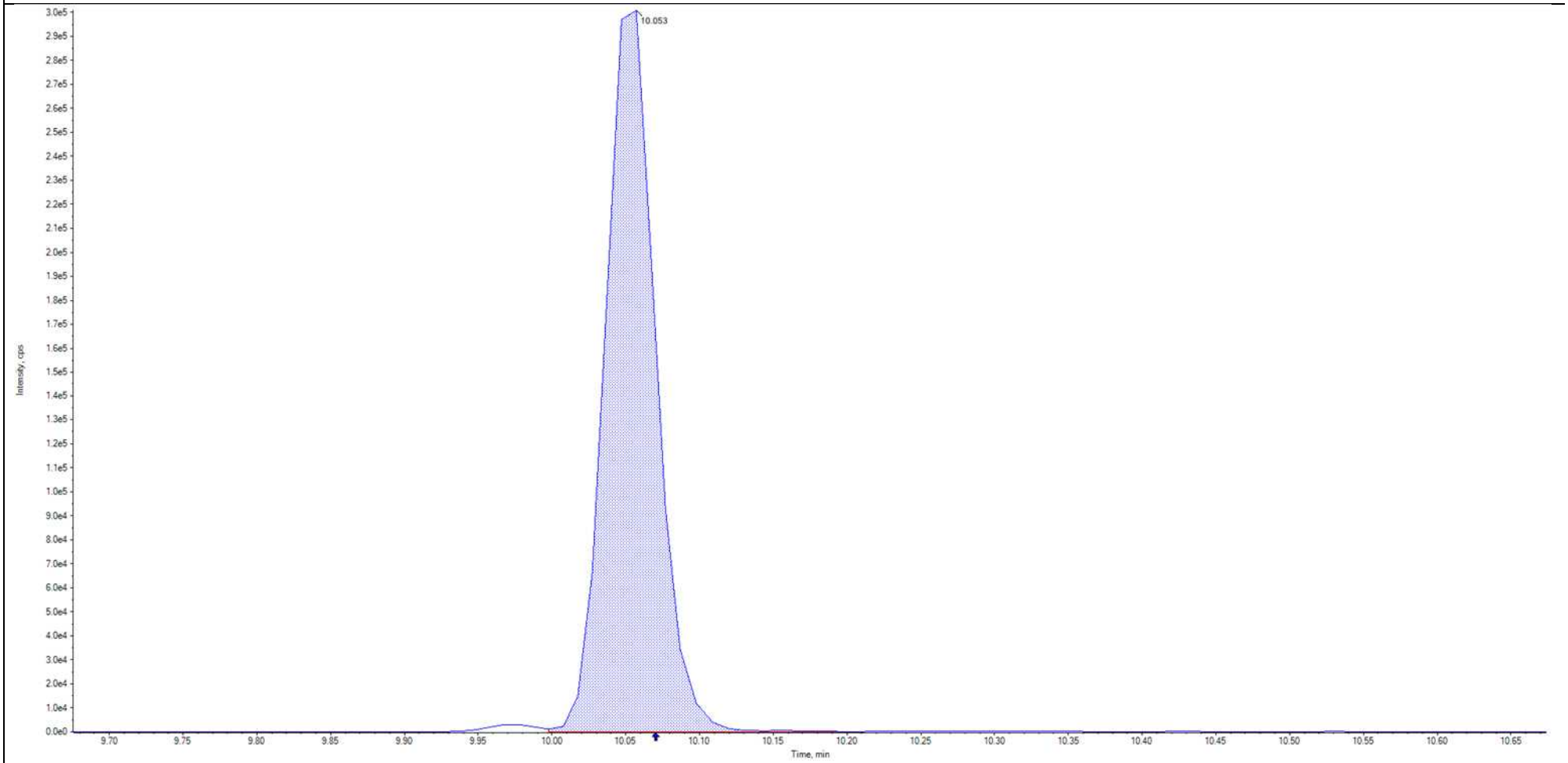
d3-NMeFOSAA
Sample: L2447503-07



d5-NEtFOSAA
Sample: L2447503-07



d7-NMeFOSE
Sample: L2447503-07



d9-NEtFOSE
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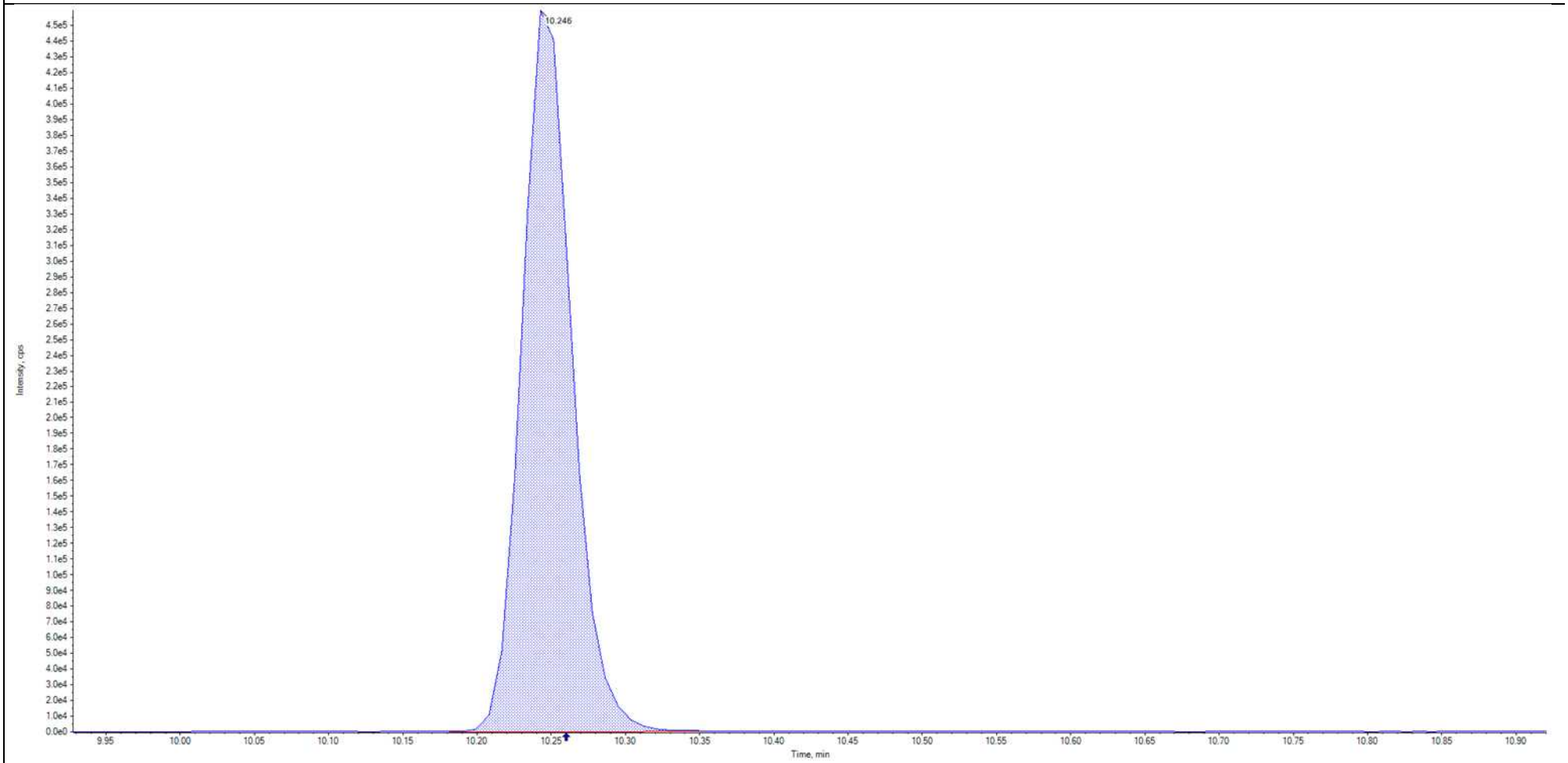
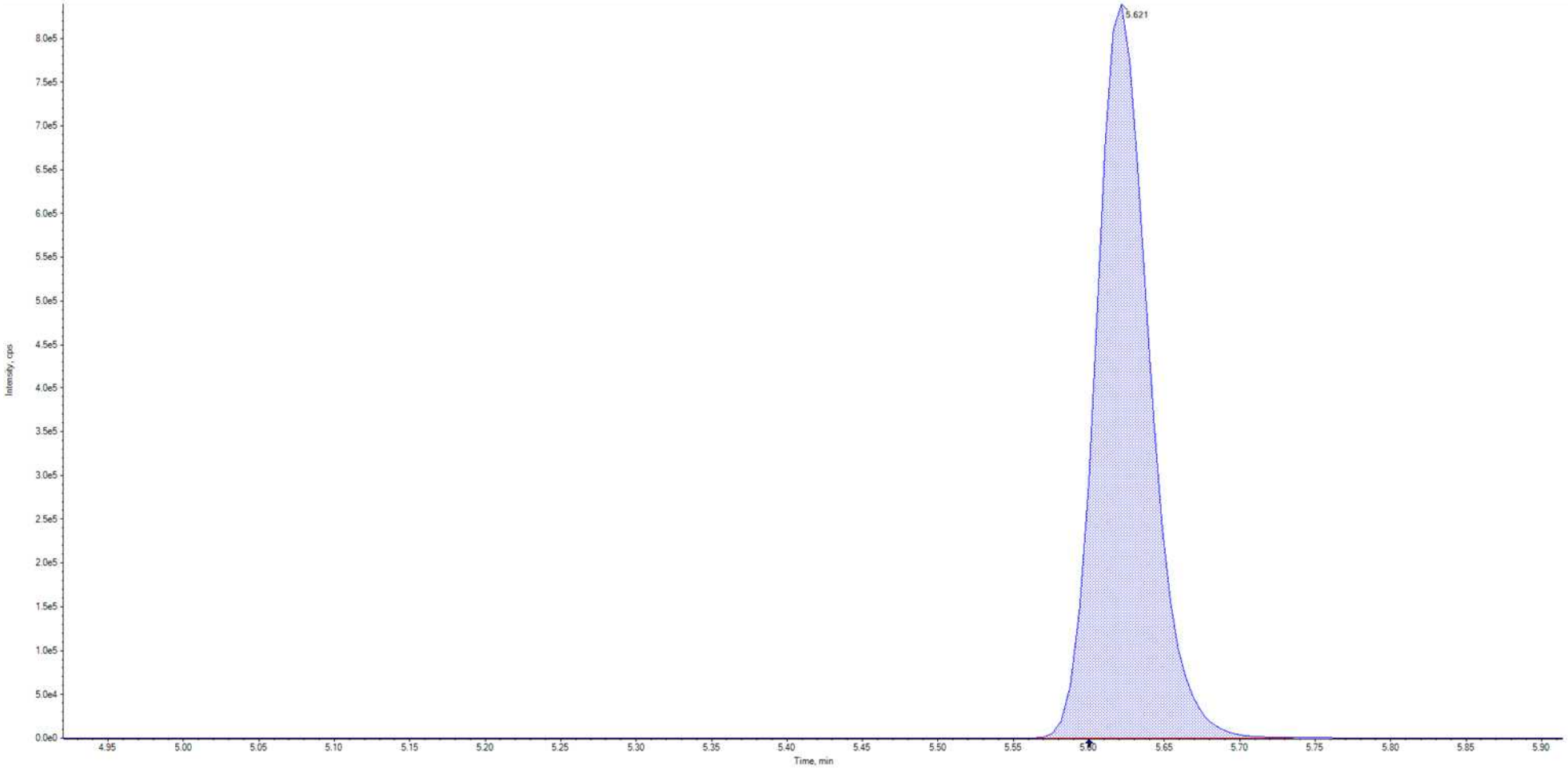


13C3-HFPO-DA
Sample: L2447503-07



13C3-PFBA
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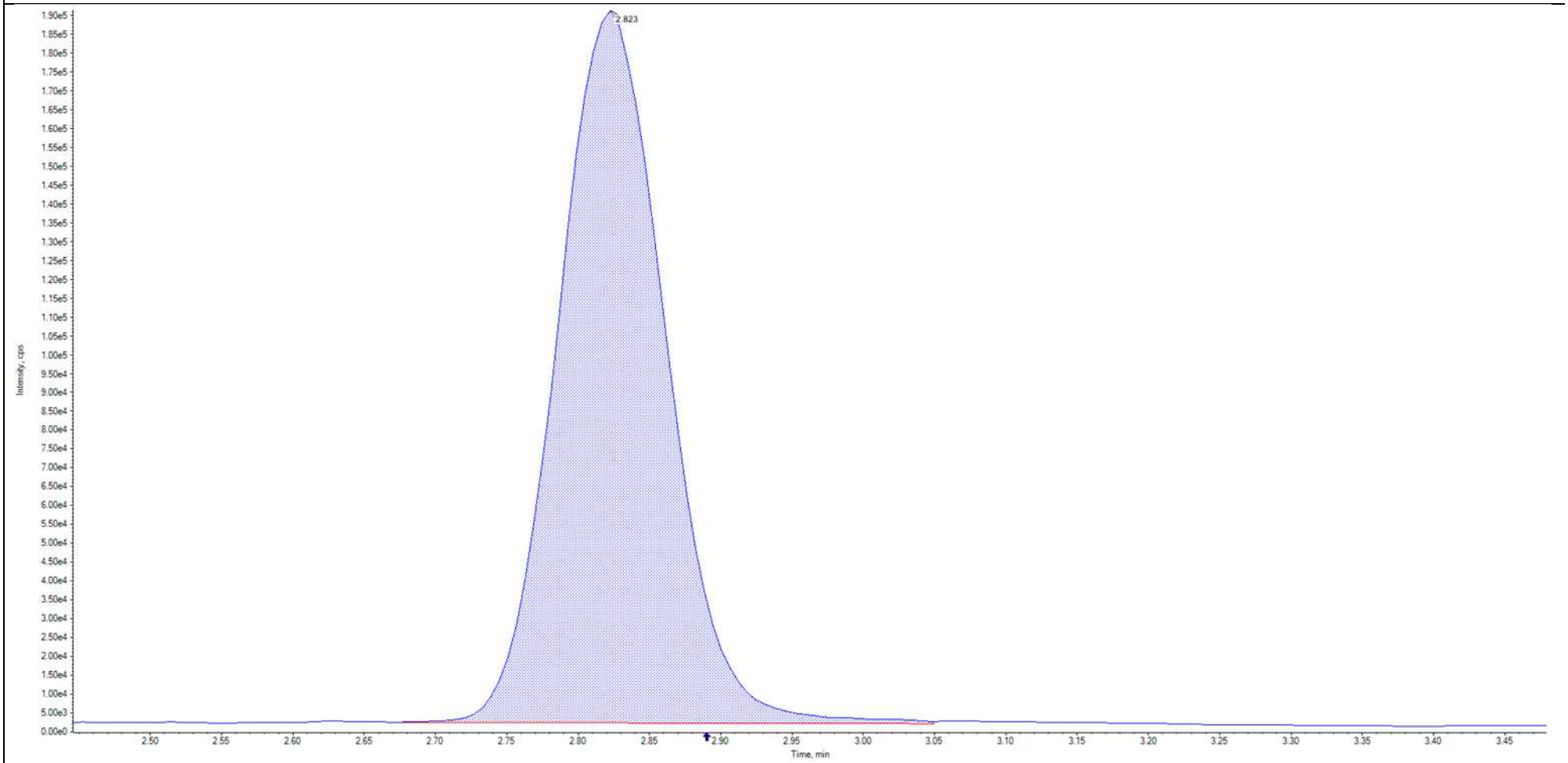

13C2-PFHxA
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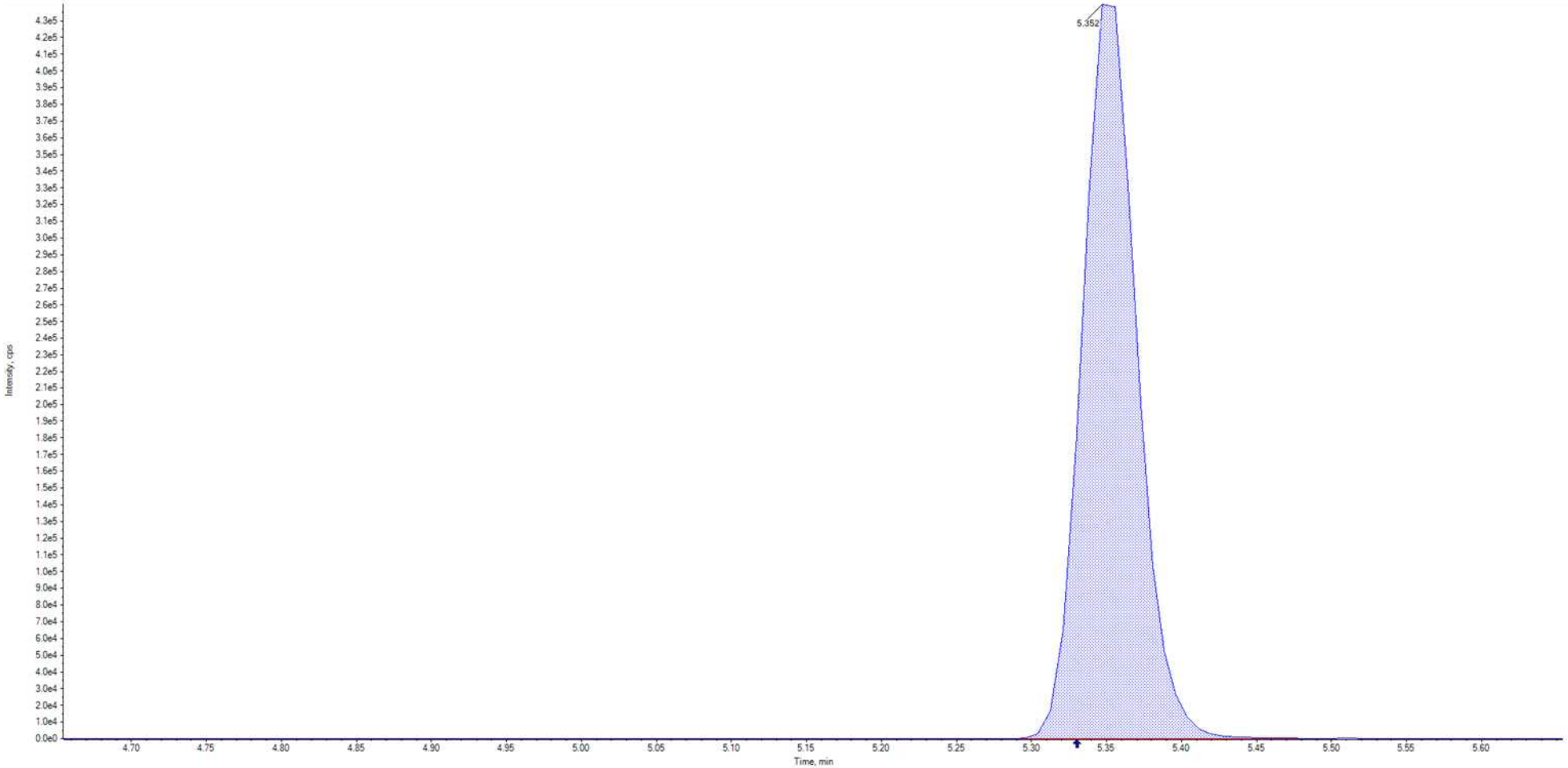

13C4-PFOA
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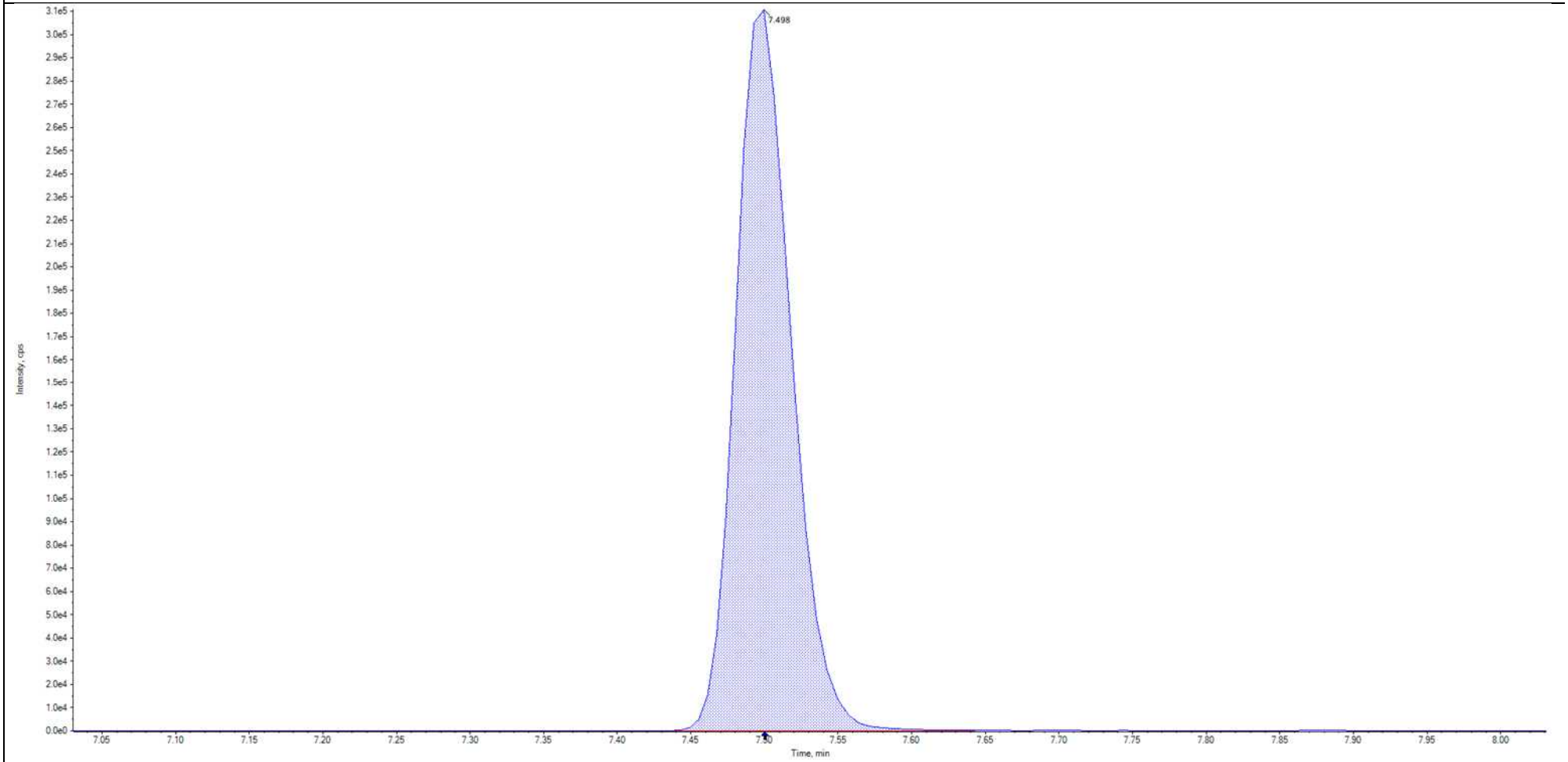

13C5-PFNA
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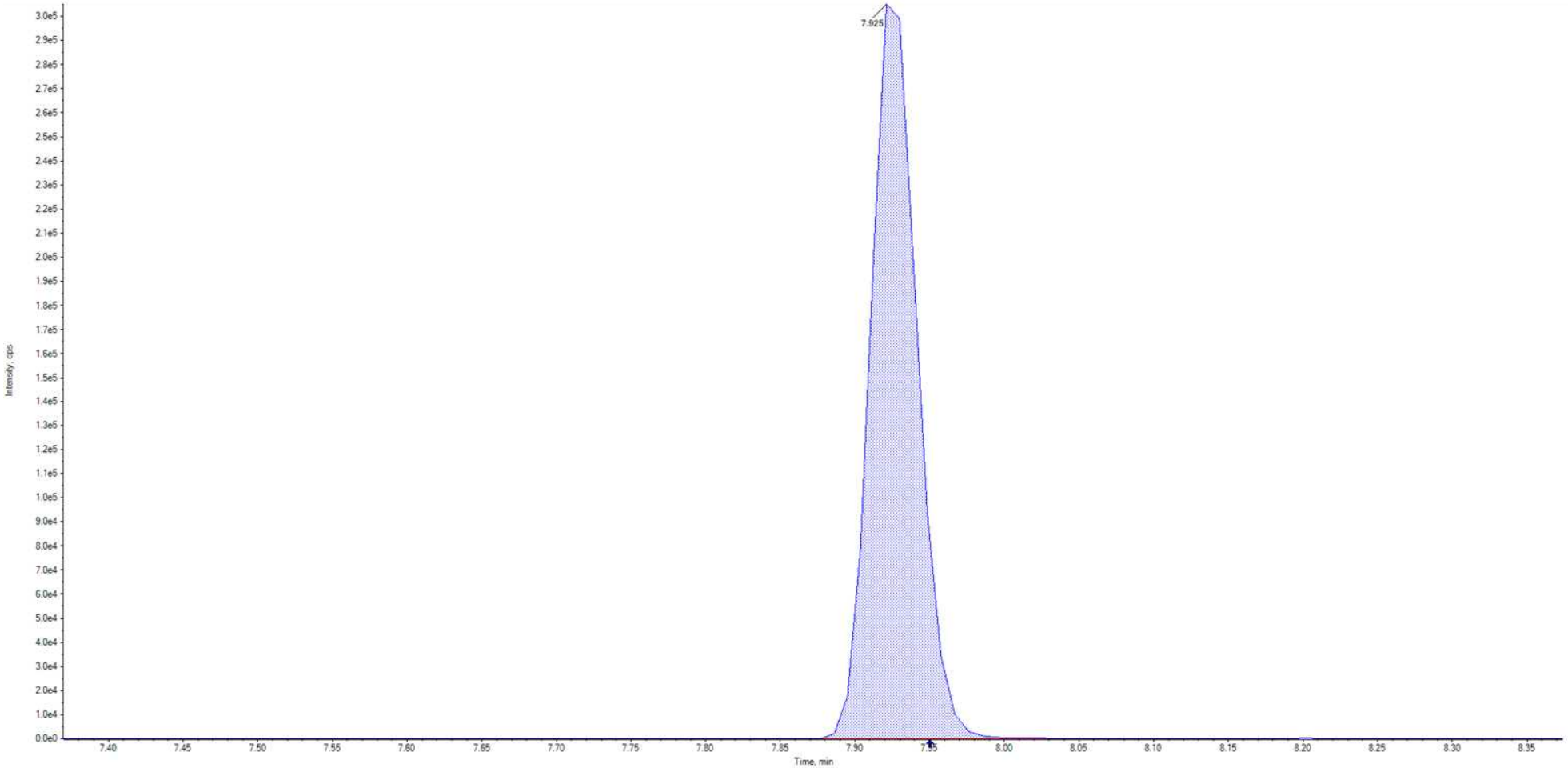

13C2-PFDA
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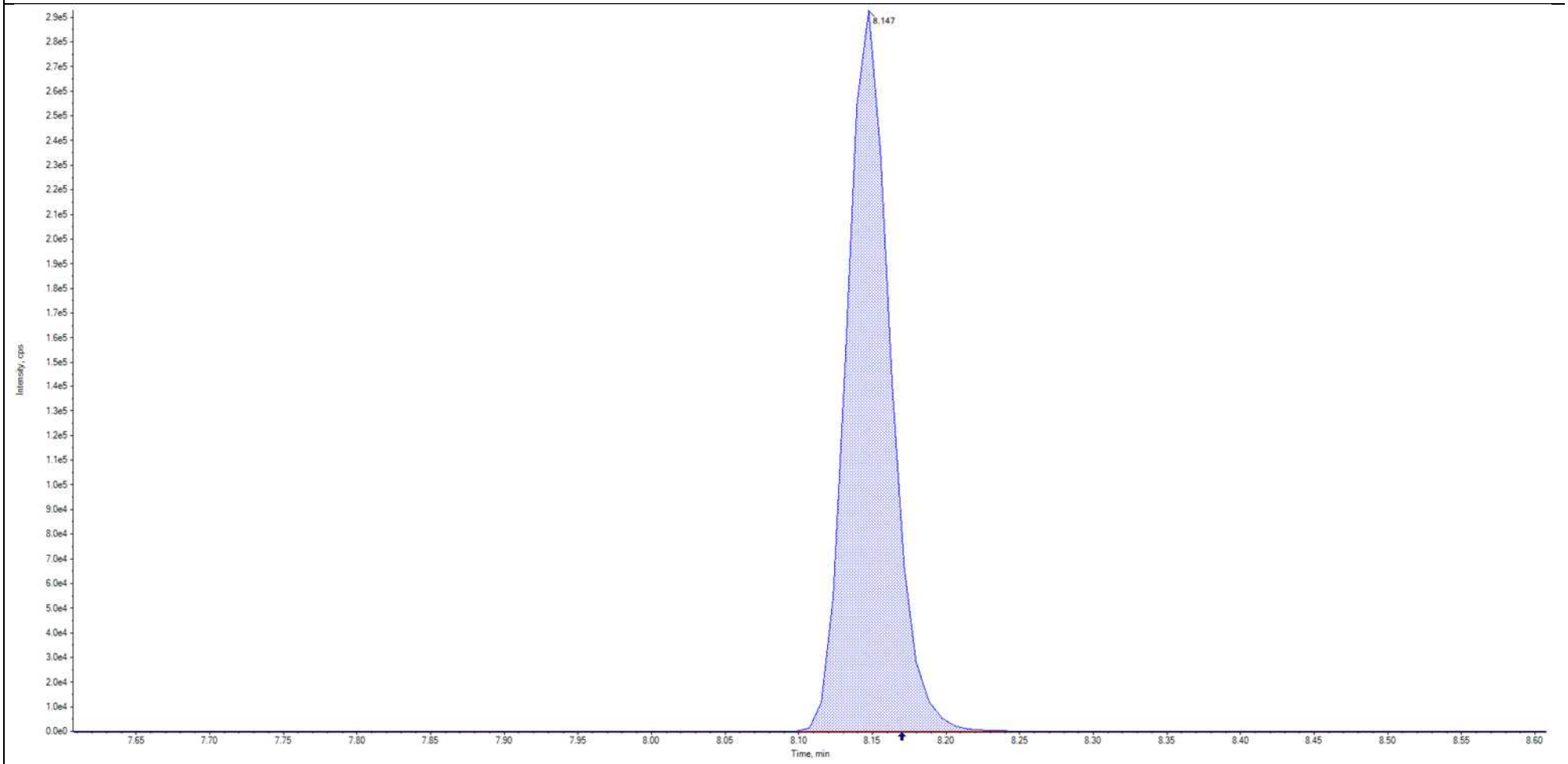
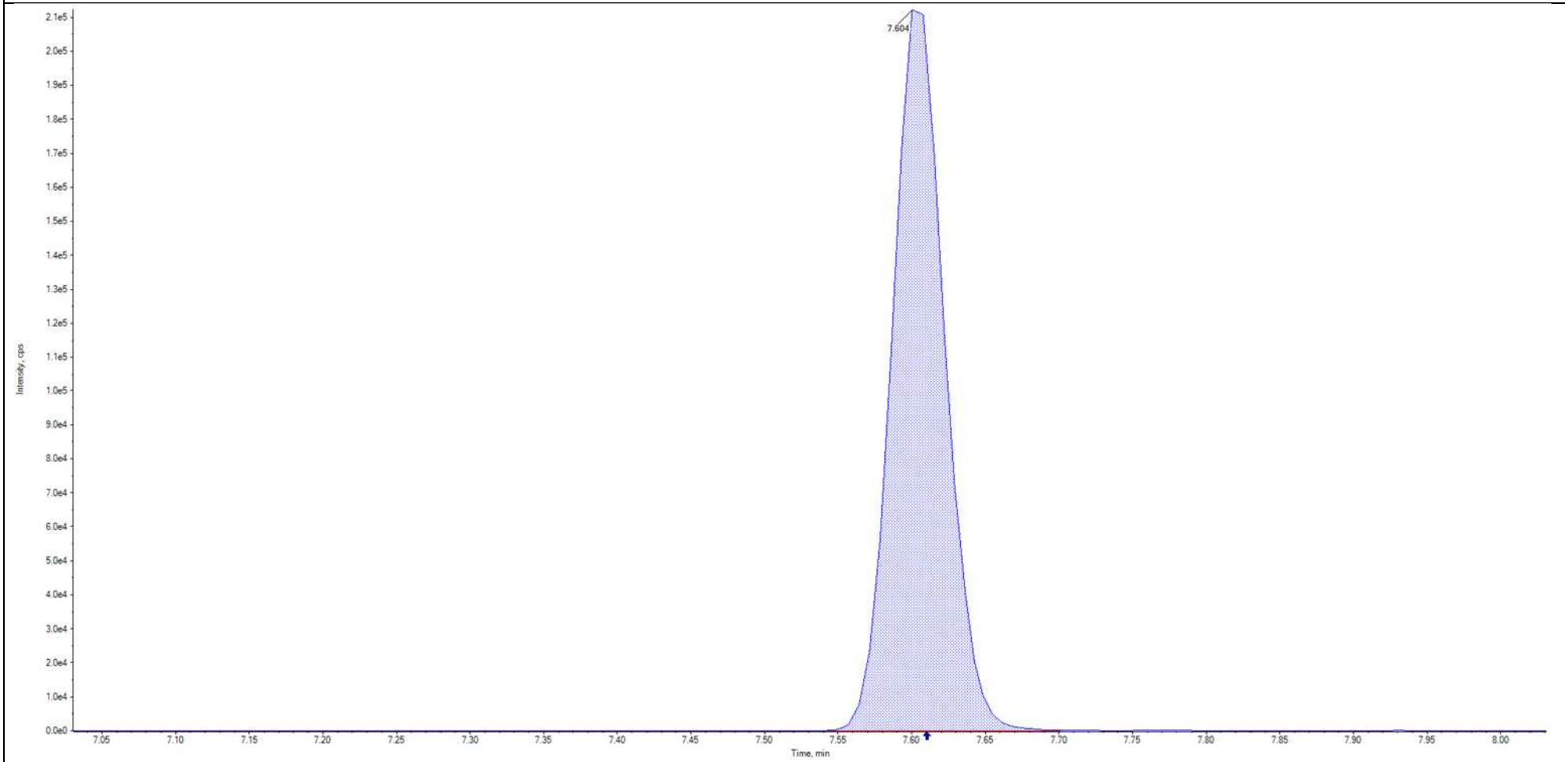


18O2-PFHxS
Sample: L2447503-07



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Alpha Analytical Inc.
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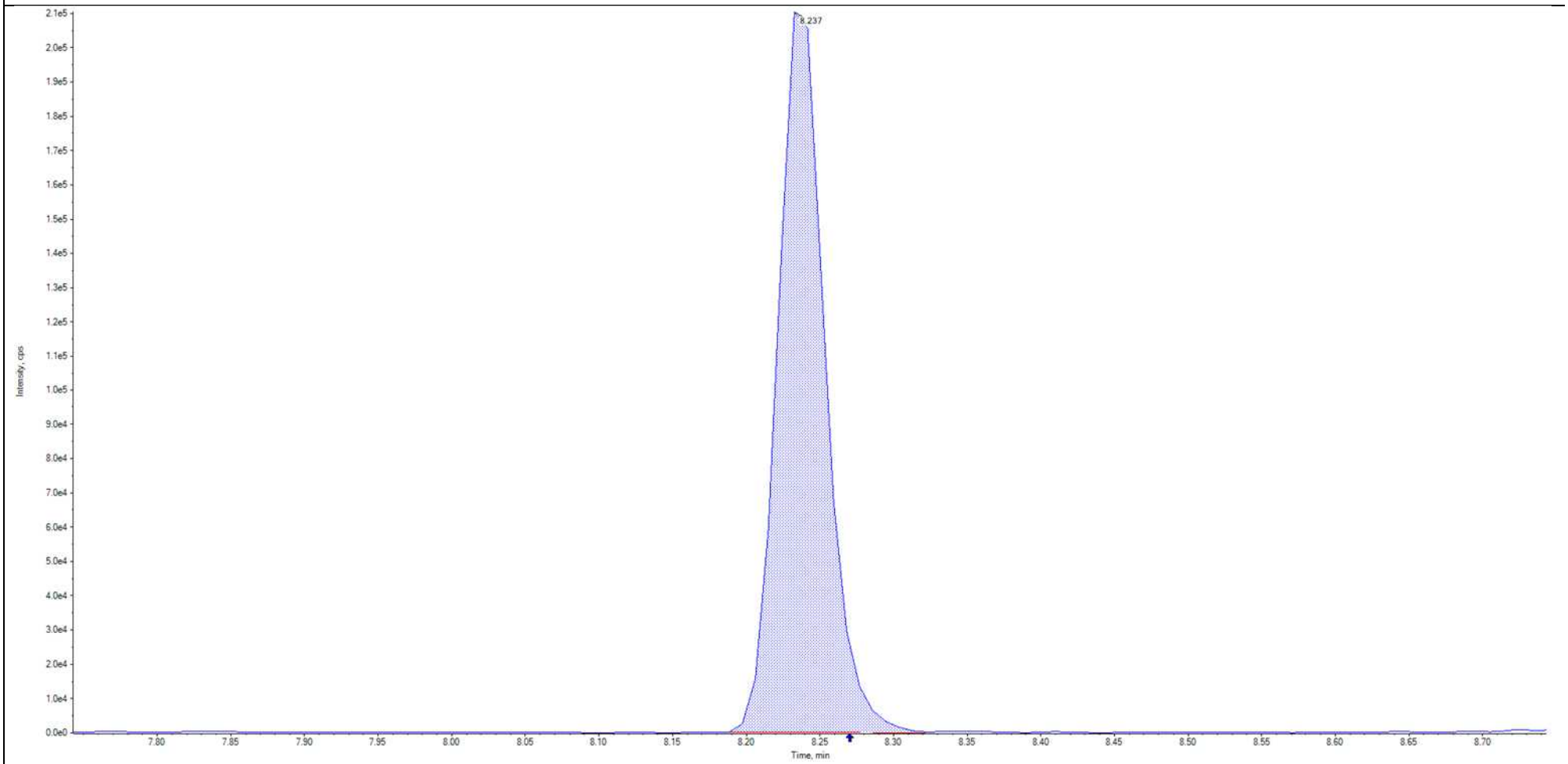
13C4-PFOS
Sample: L2447503-07



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Method: EPA1633_NIS_CALC.qmethod
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Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.83	213.0 / 169.0	159436		0.949	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	4.66	263.0 / 219.0	249450		1.198	0.007	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	4.66	263.0 / 68.9	1858		1.264	0.007	0.007	N/A	N/A
4	PFHxA	307-24-4	5.35	313.0 / 269.0	574466		1.290	0.074	0.072	Pass	N/A
5	PFHxA_2	307-24-4	5.35	313.0 / 119.0	42467		1.291	0.074	0.072	Pass	N/A
6	PFHpA	375-85-9	6.27	363.1 / 319.0	498456		1.179	0.301	0.297	Pass	N/A
7	PFHpA_2	375-85-9	6.26	363.1 / 169.0	150232		1.162	0.301	0.297	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.49	413.1 / 369.1	1089047	M5	4.284	0.492	0.586	Pass	N/A
9	PFOA_2	335-67-1	7.49	413.1 / 169.0	535297	M7	3.843	0.492	0.586	Pass	N/A
10	PFNA	375-95-1	7.93	462.8 / 418.9	102913		0.310	0.254	0.313	Pass	N/A
11	PFNA_2	375-95-1	7.93	462.8 / 218.9	26168		0.258	0.254	0.313	Pass	N/A
12	PFDA	335-76-2	8.15	513.1 / 469.1	42585		0.122	0.178	0.142	Pass	N/A
13	PFDA_2	335-76-2	8.15	513.1 / 219.0	7586	M7	0.145	0.178	0.142	Pass	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	5.33	299.1 / 80.1	90058	M4	0.312	0.442	0.396	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.32	299.1 / 99.1	39818		0.346	0.442	0.396	Pass	N/A
24	PFPeS	2706-91-4	6.35	349.1 / 80.1	19562		0.088	0.275	0.299	Pass	N/A
25	PFPeS_2	2706-91-4	6.35	349.1 / 99.1	5371		0.080	0.275	0.299	Pass	N/A
26	PFHxS	355-46-4	7.60	399.1 / 80.1	177417	M5	0.854	0.304	0.315	Pass	N/A
27	PFHxS_2	355-46-4	7.60	399.1 / 99.1	53987	M7	0.837	0.304	0.315	Pass	N/A
28	PFHpS	375-92-8	7.99	449.1 / 80.1	6979	M4	0.038	0.253	0.287	Pass	N/A
29	PFHpS_2	375-92-8	7.99	449.1 / 99.1	1768		0.032	0.253	0.287	Pass	N/A
30	PFOS	1763-23-1	8.24	499.1 / 80.1	281096	M5	1.422	0.213	0.238	Pass	N/A
31	PFOS_2	1763-23-1	8.24	499.1 / 99.1	59858		1.236	0.213	0.238	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	9.38	498.1 / 78.1	15088	M5	0.100	0.090	0.025	Fail	N/A
45	PFOSA_2	754-91-6	9.30	498.1 / 478.0	1360	M7	0.342	0.090	0.025	Fail	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.487	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	5.62	285.0 / 169.0	9407		0.045	0.403	0.464	Pass	N/A
57	HFPO-DA_2	13252-13-6	5.61	285.0 / 184.9	3787	M7	0.039	0.403	0.464	Pass	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.82	217.0 / 172.0	2071346		8.464	NA	NA	NA	84.6

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.65	268.0 / 223.0	1129622		3.797	NA	NA	NA	75.9
	13C5-PFHxA	EIS	5.35	318.0 / 273.0	913481		2.338	NA	NA	NA	93.5
	13C4-PFHpA	EIS	6.26	367.0 / 322.0	902182		2.306	NA	NA	NA	92.2
	13C8-PFOA	EIS	7.49	421.0 / 376.0	1221531		1.918	NA	NA	NA	76.7
	13C9-PFNA	EIS	7.92	472.0 / 427.0	567674		0.963	NA	NA	NA	77.1
	13C6-PFDA	EIS	8.14	519.0 / 474.0	505129		0.913	NA	NA	NA	73.1
	13C7-PFUnA	EIS	8.42	570.0 / 525.0	362620		0.810	NA	NA	NA	64.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	283296		0.973	NA	NA	NA	77.9
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	209309		0.662	NA	NA	NA	53.0
	13C3-PFBS	EIS	5.32	302.1 / 80.1	688308		2.023	NA	NA	NA	86.8
	13C3-PFHxS	EIS	7.60	402.1 / 80.1	520237		1.925	NA	NA	NA	81.2
	13C8-PFOS	EIS	8.23	507.1 / 80.1	481334		1.711	NA	NA	NA	71.5
	13C2-4:2FTS	EIS	5.15	329.1 / 81.1	507211		8.354	NA	NA	NA	178.1
	13C2-6:2FTS	EIS	7.10	429.2 / 81.1	193974		4.360	NA	NA	NA	91.7
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	316782		4.865	NA	NA	NA	101.3

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.51	506.1 / 78.1	566524		1.515	NA	NA	NA	60.6
	d3-NMeFOSA	EIS	10.14	515.2 / 219.0	89173		1.417	NA	NA	NA	56.7
	d5-NEtFOSA	EIS	10.35	531.2 / 219.0	79557		1.294	NA	NA	NA	51.8
	d3-NMeFOSAA	EIS	8.19	573.2 / 419.1	283401		1.992	NA	NA	NA	39.8
	d5-NEtFOSAA	EIS	8.32	589.3 / 419.1	215893		2.887	NA	NA	NA	57.7
	d7-NMeFOSE	EIS	10.05	623.2 / 58.9	776560		15.977	NA	NA	NA	63.9
	d9-NEtFOSE	EIS	10.24	639.2 / 58.9	1187026		16.564	NA	NA	NA	66.3

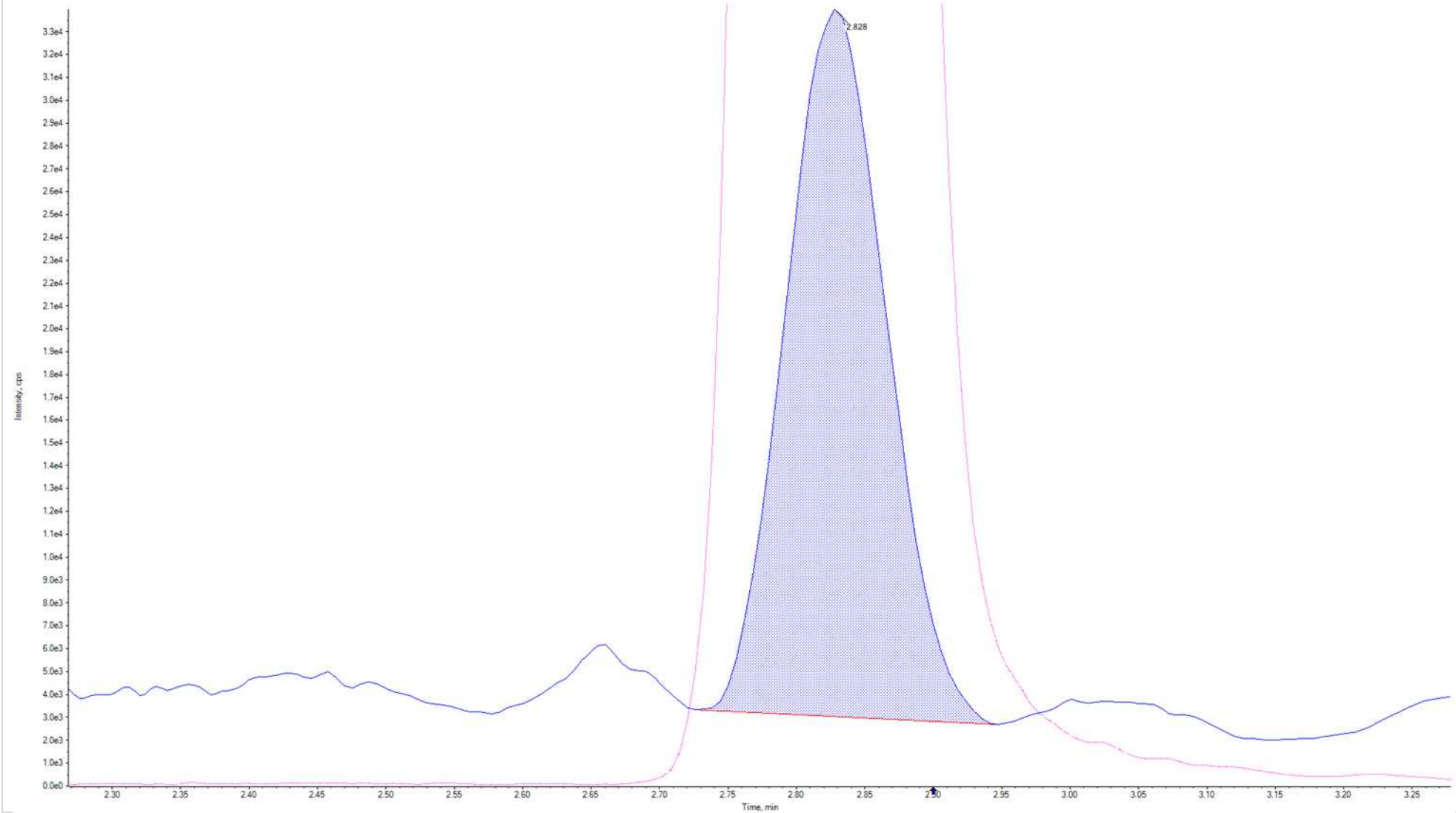
	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.61	287.0 / 169.0	2301697		8.888	NA	NA	NA	88.9
	13C3-PFBA	NIS	2.82	216.0 / 172.0	1070478		5.006	NA	NA	NA	100.1
	13C2-PFHxA	NIS	5.34	315.0 / 270.0	1160290		2.370	NA	NA	NA	94.8
	13C4-PFOA	NIS	7.49	417.0 / 372.0	833321		2.662	NA	NA	NA	106.5
	13C5-PFNA	NIS	7.92	468.0 / 423.0	718047		1.311	NA	NA	NA	104.9
	13C2-PFDA	NIS	8.14	515.1 / 470.1	649634		1.268	NA	NA	NA	101.4
	18O2-PFHxS	NIS	7.59	403.1 / 84.1	549213		2.344	NA	NA	NA	98.9
	13C4-PFOS	NIS	8.23	503.1 / 80.1	497486		2.363	NA	NA	NA	98.7

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

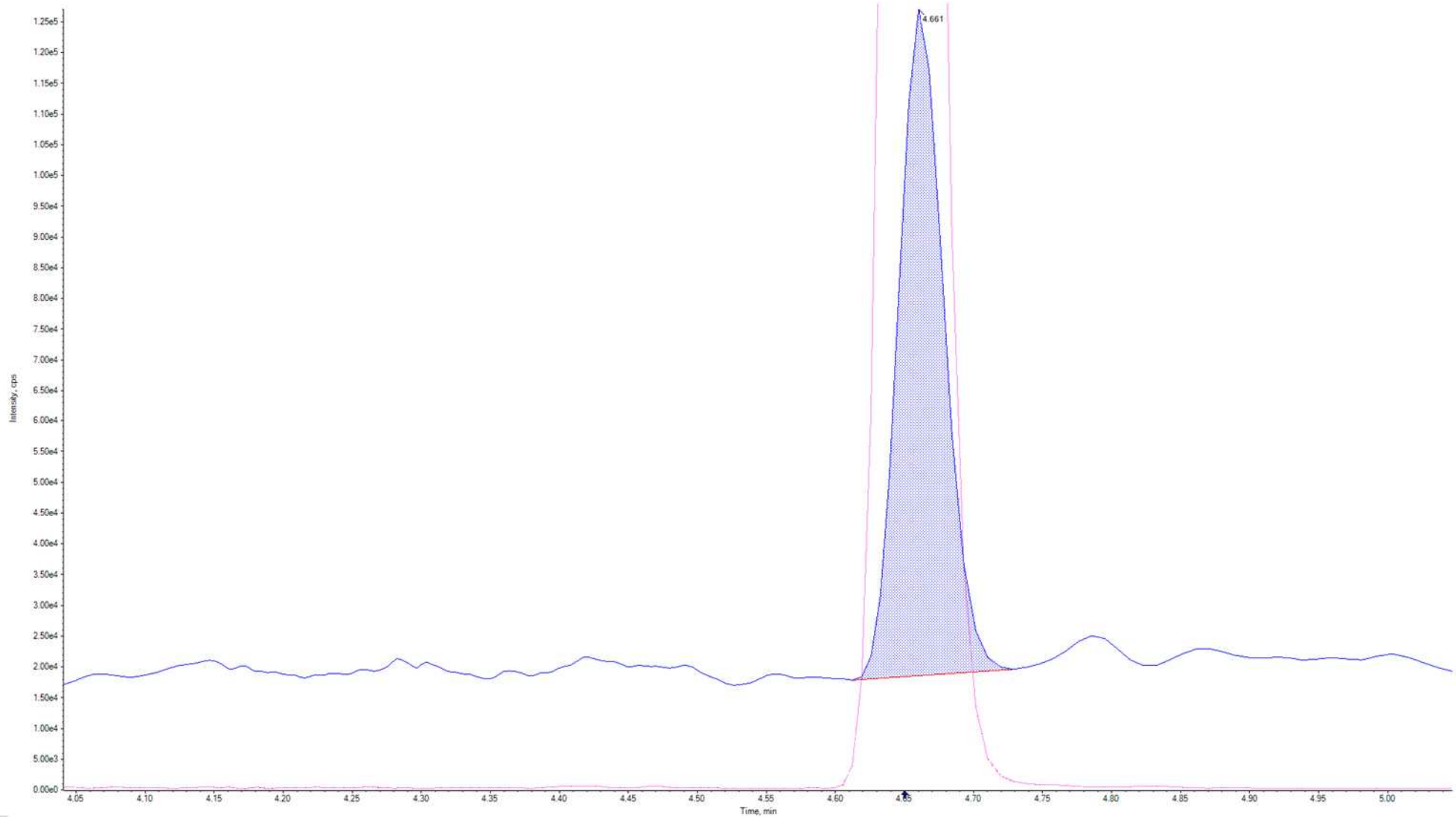
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBA
Sample: L2447503-08 S/N:319.0 Points Across peak:38



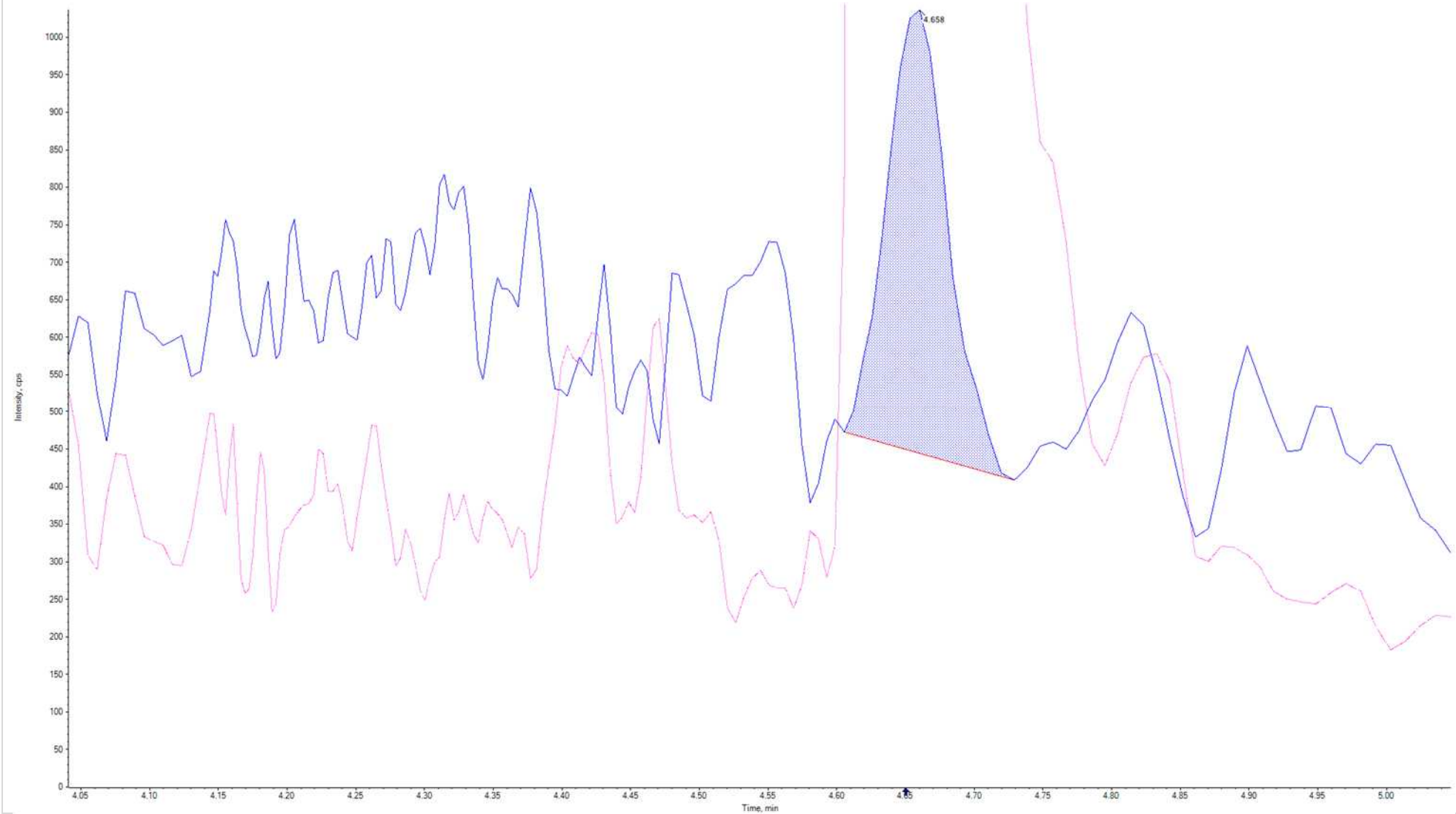
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeA
Sample: L2447503-08 S/N:118.0 Points Across peak:16



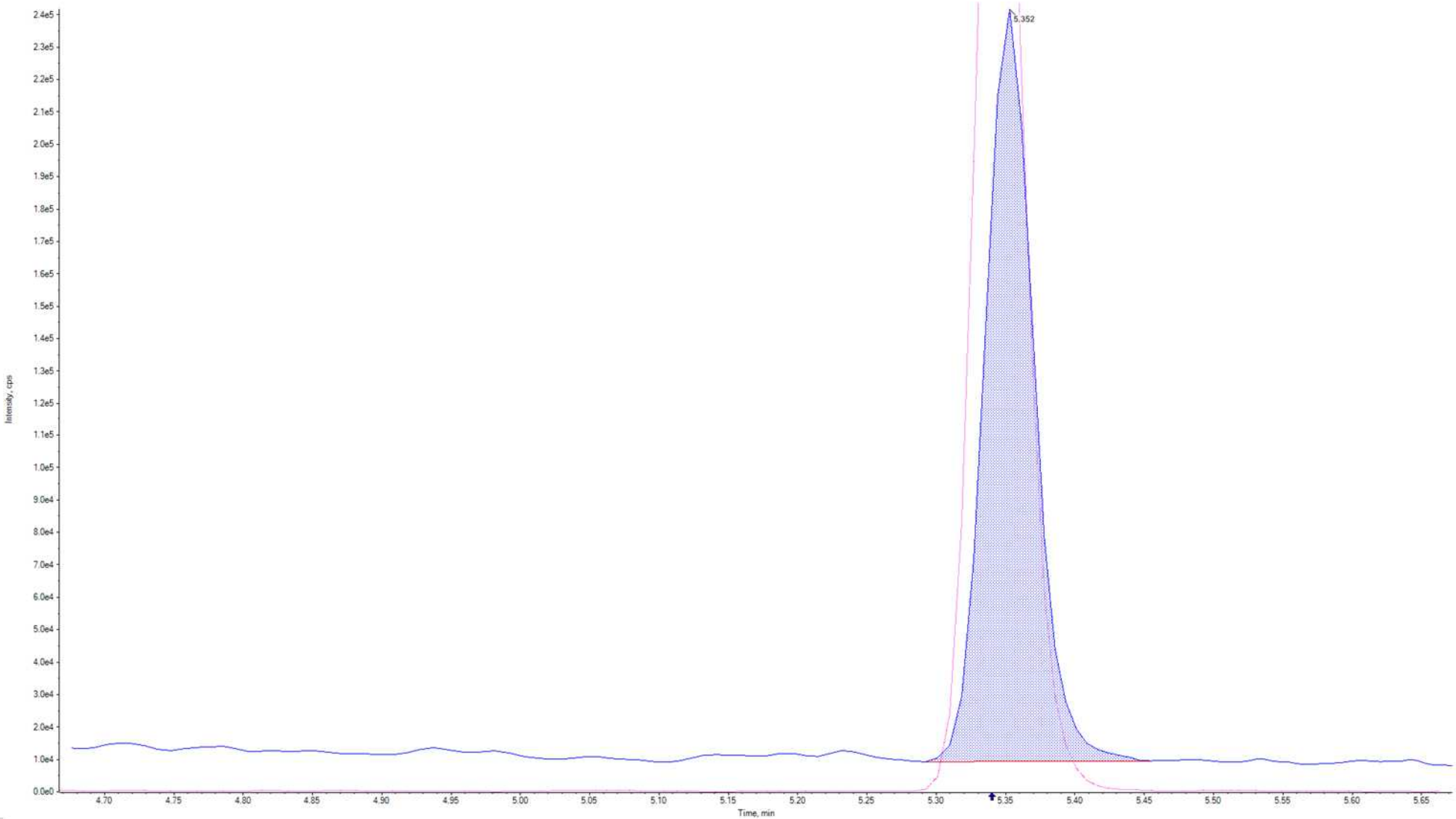
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeA_2
Sample: L2447503-08 S/N:20.3 Points Across peak:17



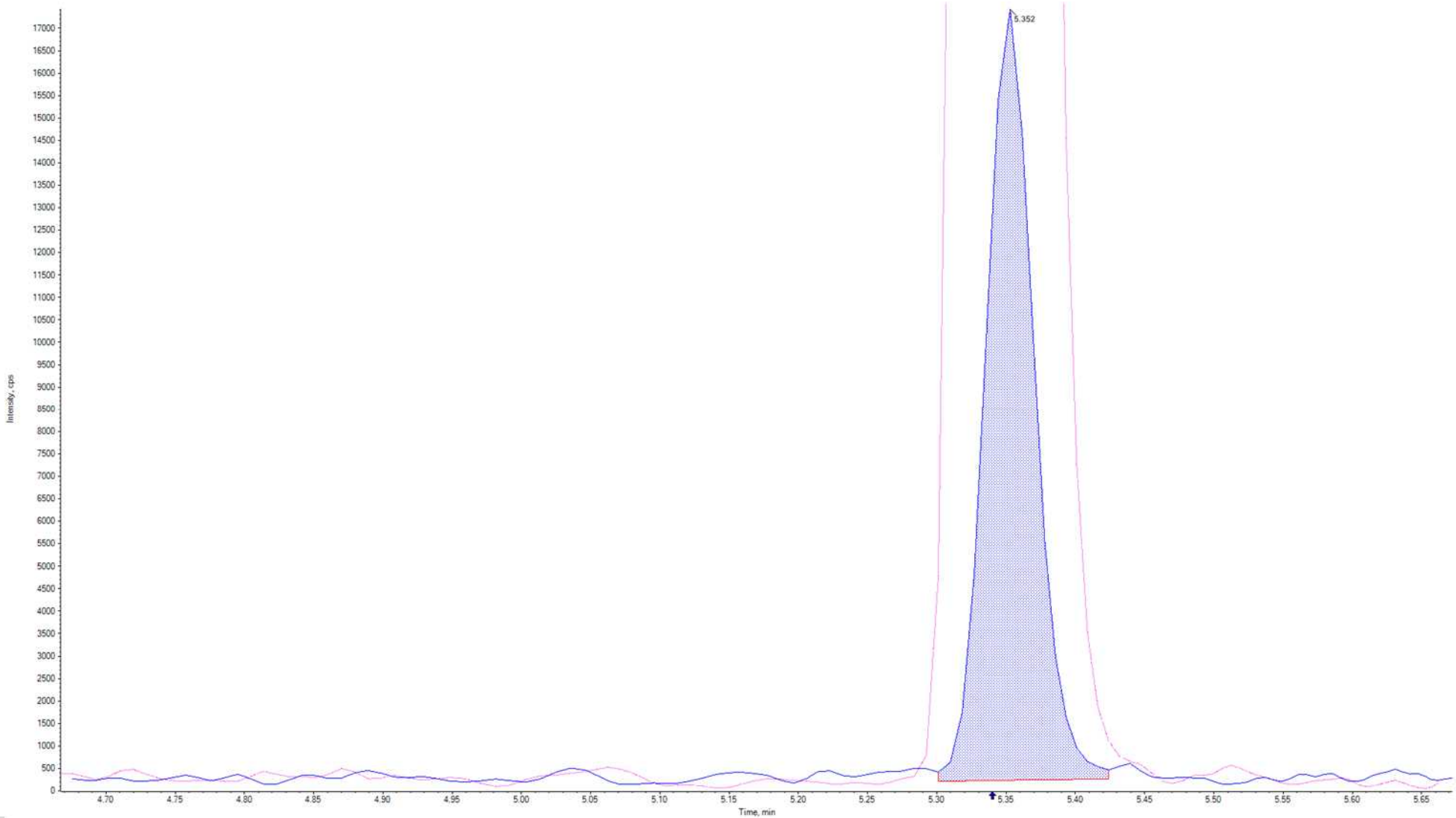
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxA
Sample: L2447503-08 S/N:211.3 Points Across peak:21



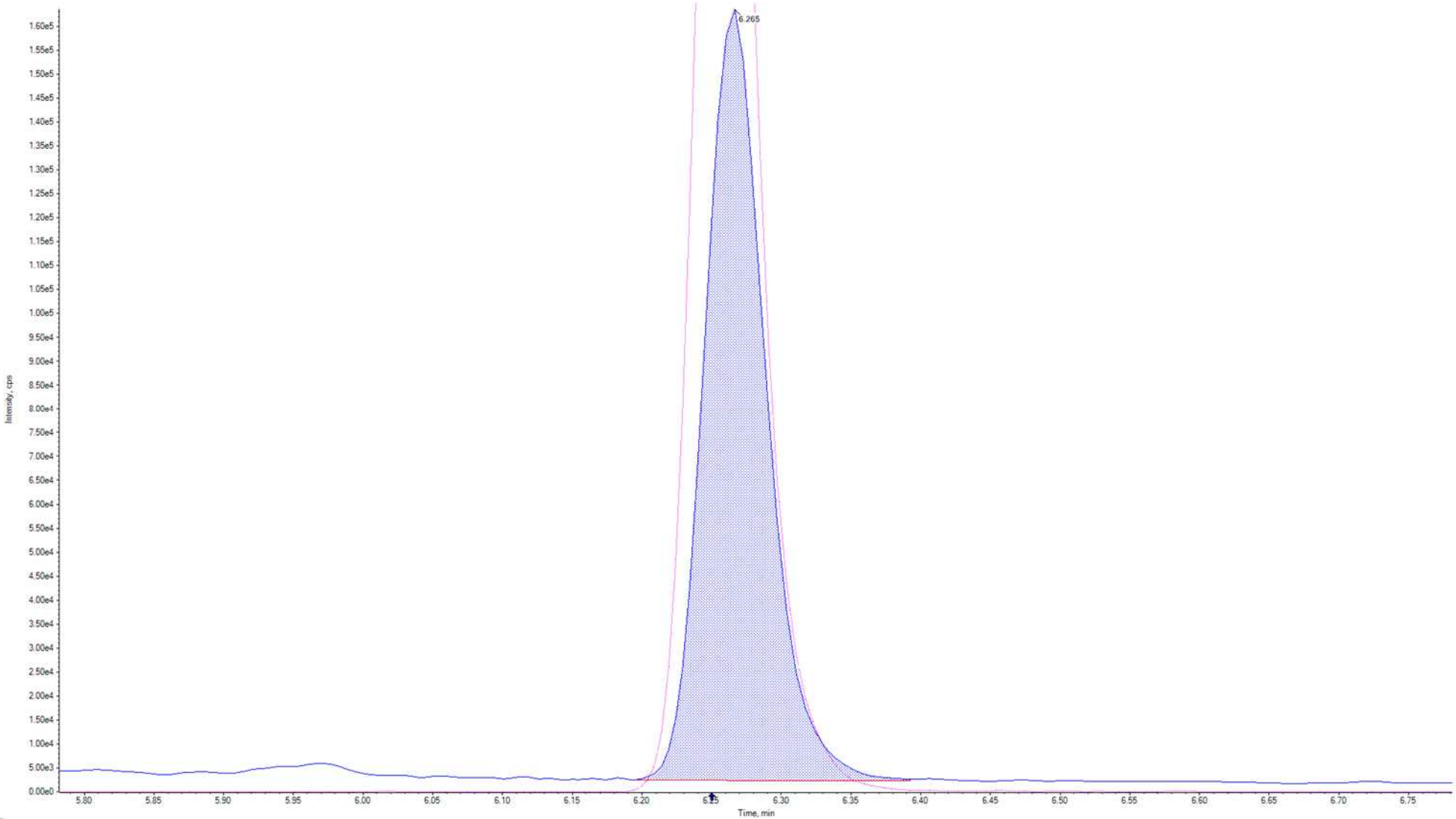
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxA_2
Sample: L2447503-08 S/N:324.9 Points Across peak:16



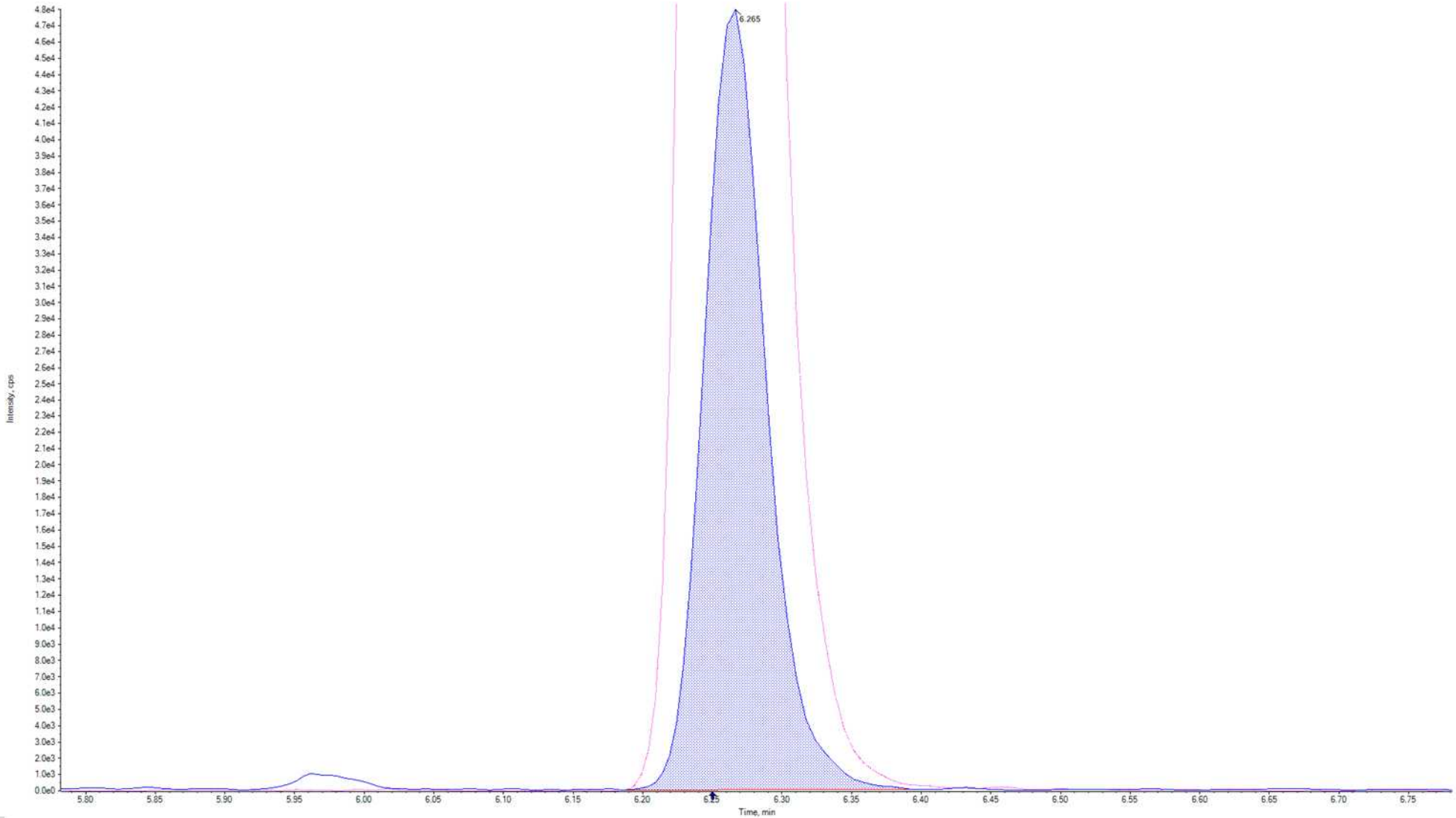
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpA
Sample: L2447503-08 S/N:695.0 Points Across peak:34



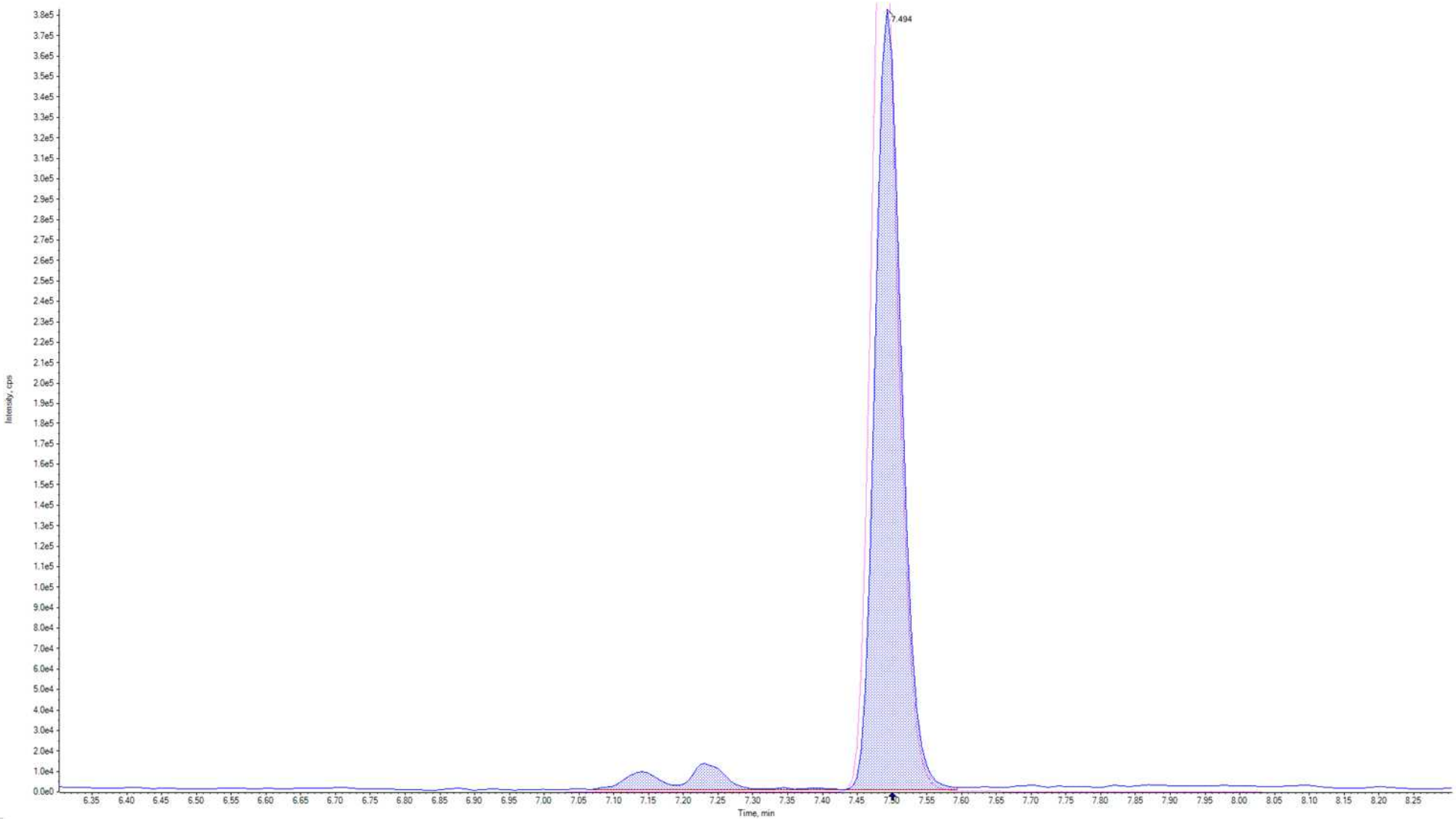
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpA_2
Sample: L2447503-08 S/N:1760.9 Points Across peak:37



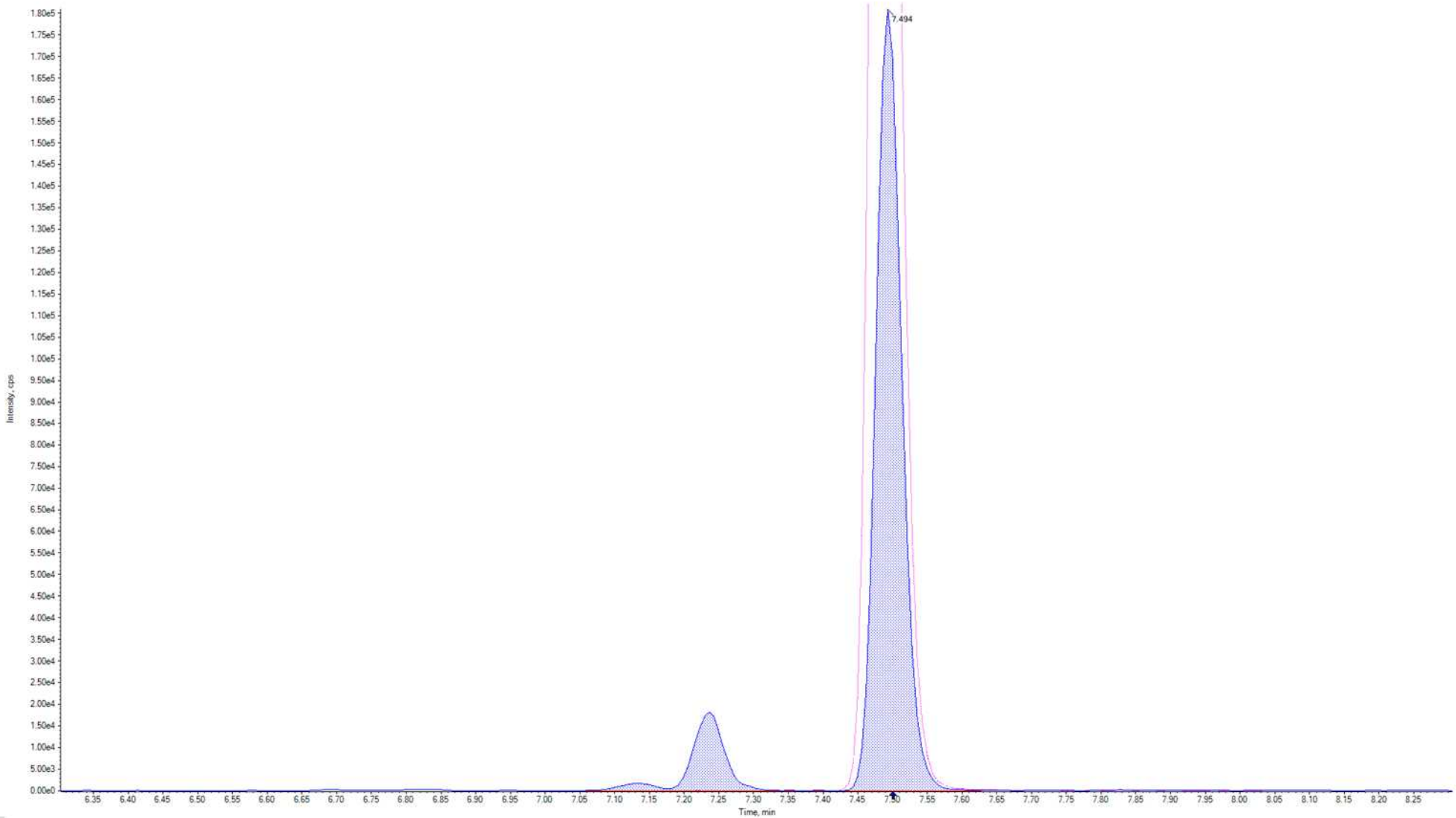
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOA
Sample: L2447503-08 S/N:2060.7 Points Across peak:85



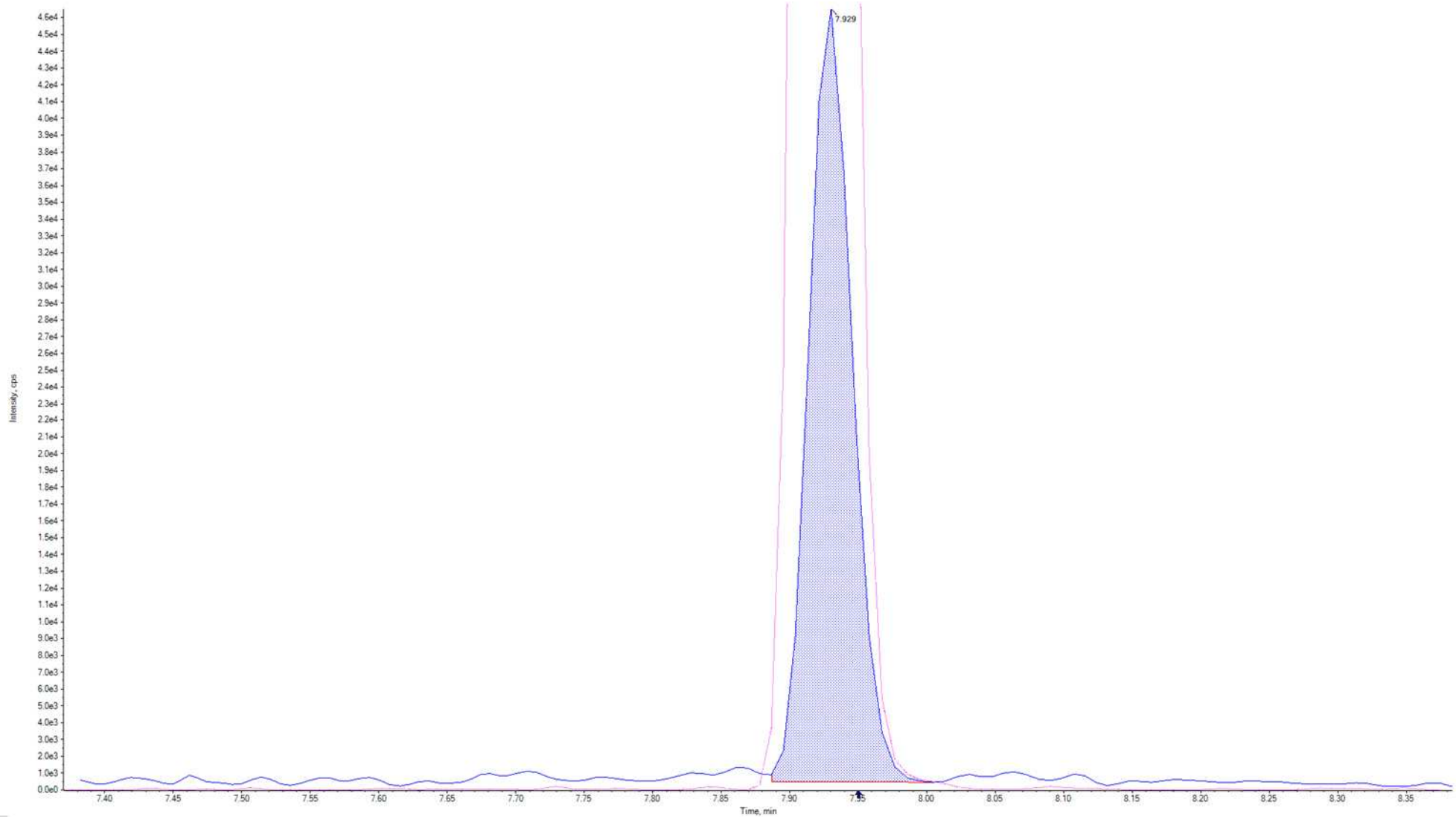
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOA_2
Sample: L2447503-08 S/N:8816.7 Points Across peak:93



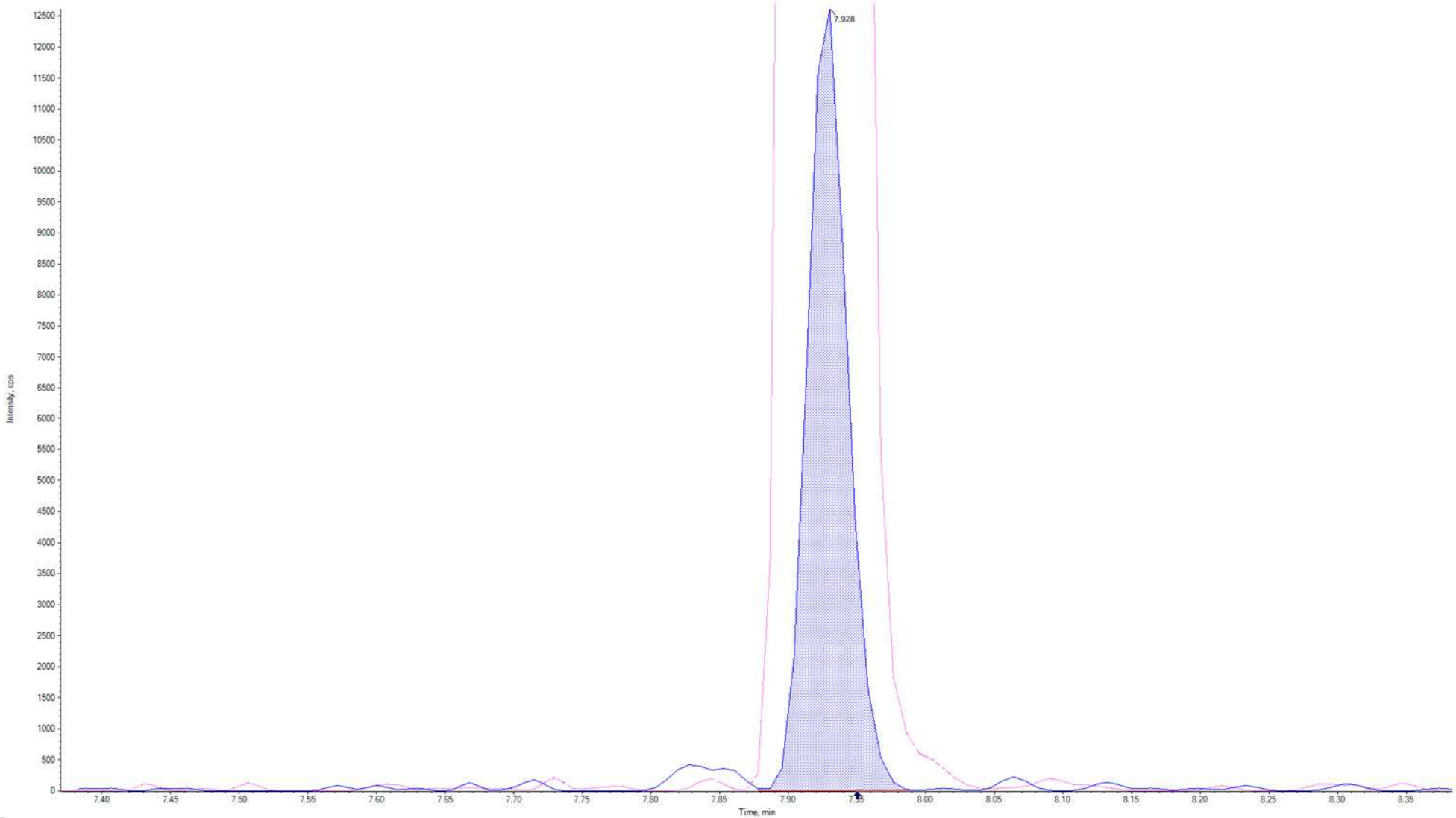
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNA
Sample: L2447503-08 S/N:440.3 Points Across peak:14



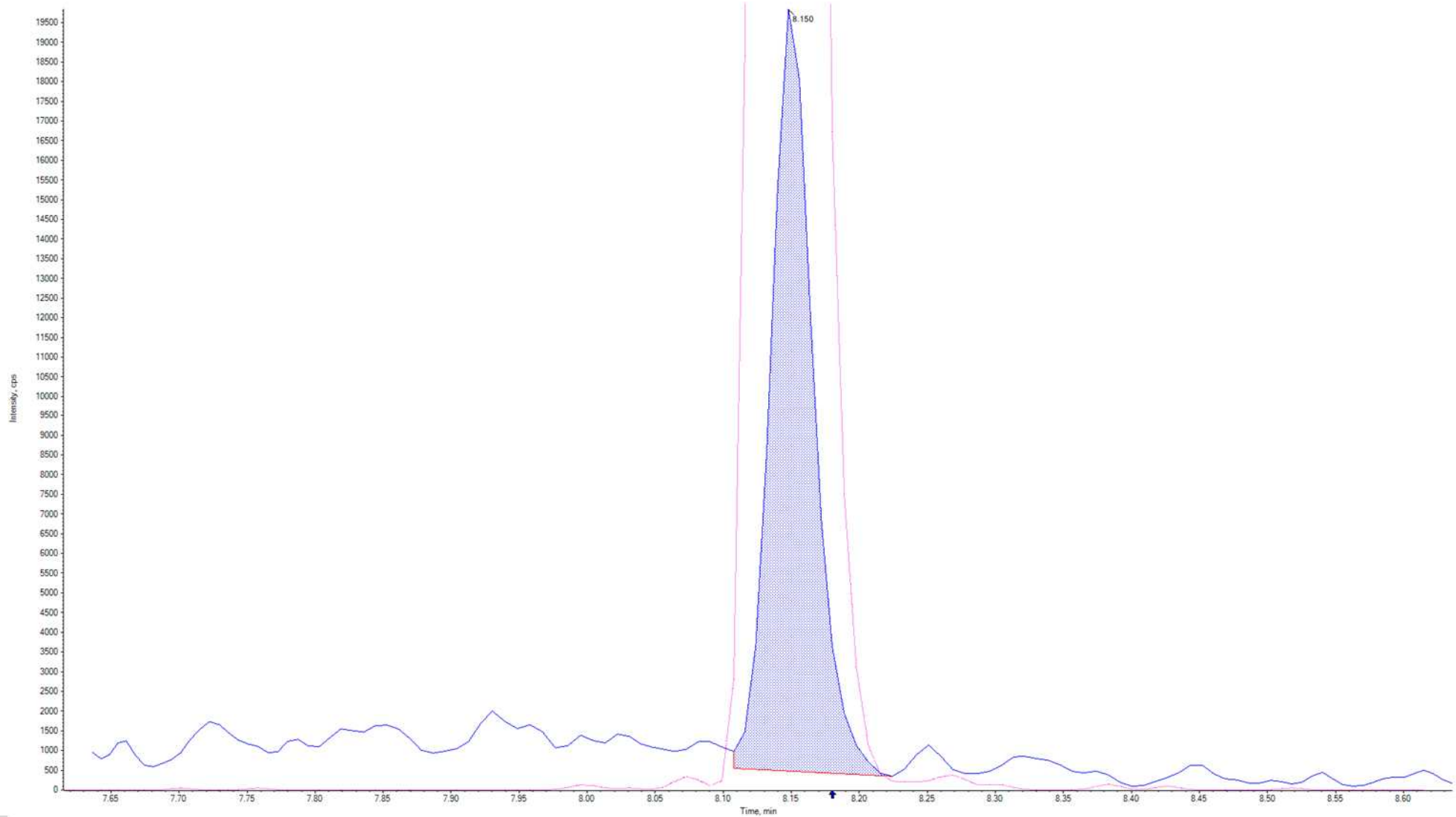
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNA_2
Sample: L2447503-08 S/N:437.4 Points Across peak:14



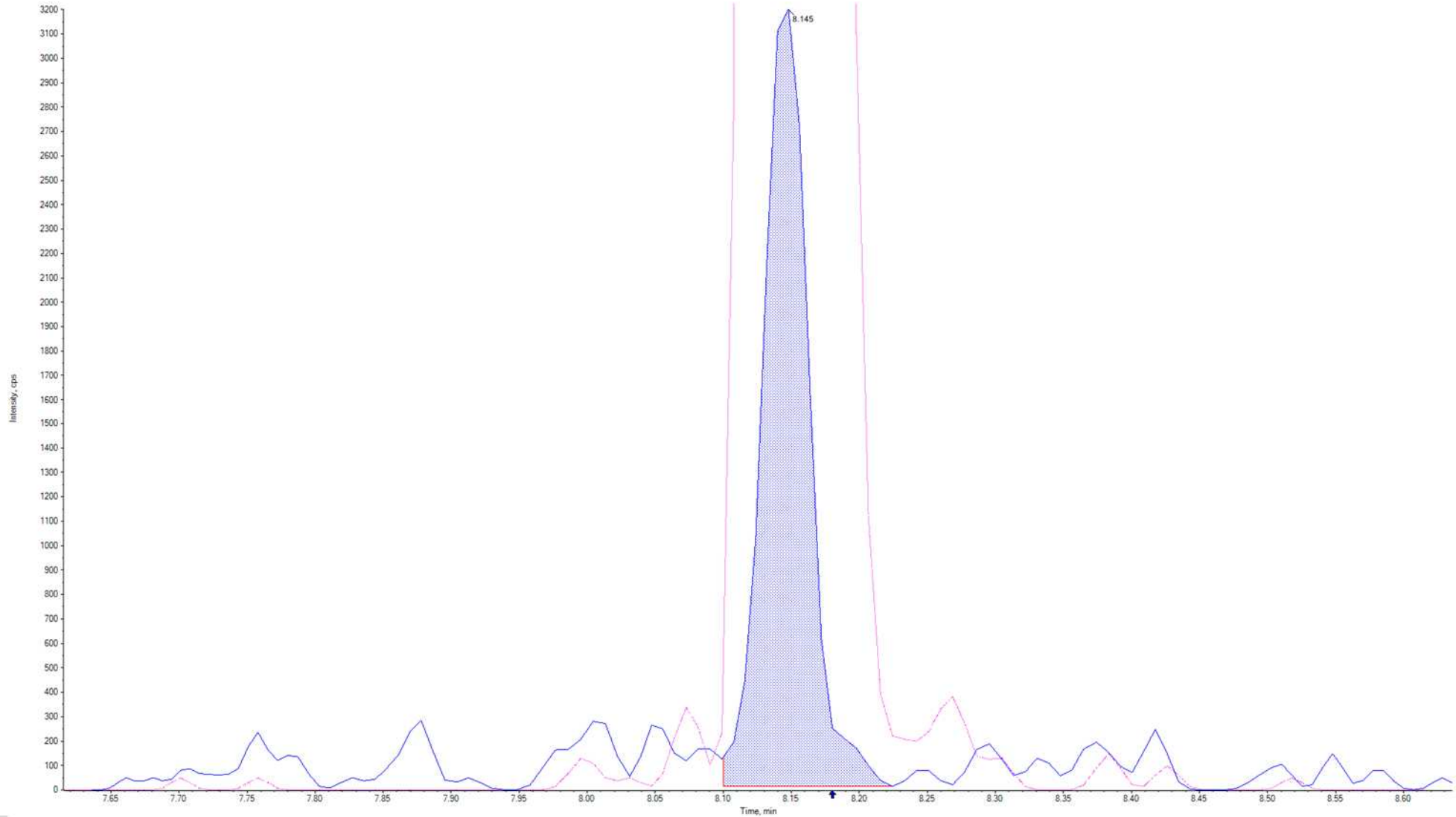
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDA
Sample: L2447503-08 S/N:327.0 Points Across peak:15



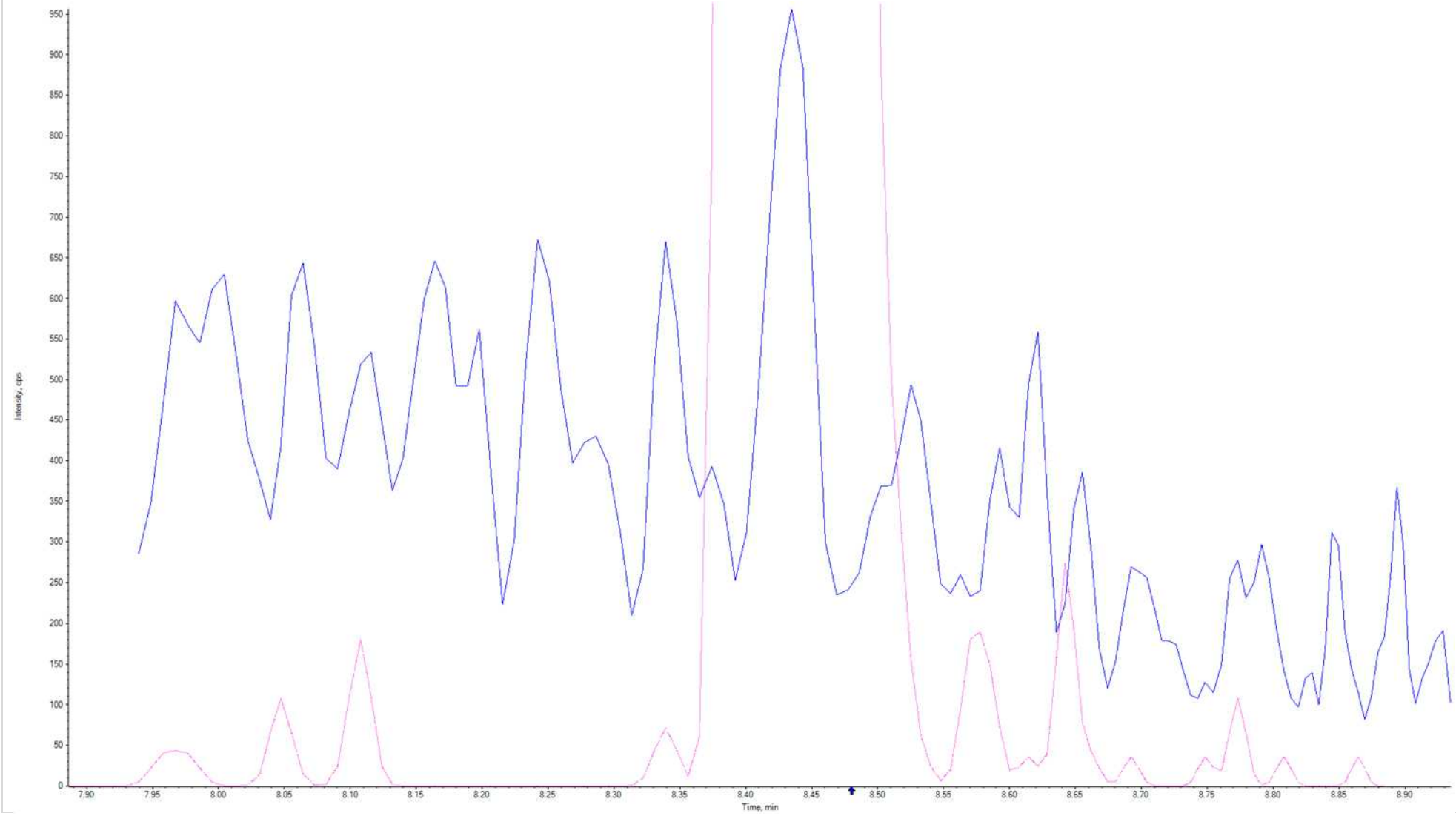
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDA_2
Sample: L2447503-08 S/N:5665.3 Points Across peak:17



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFUnA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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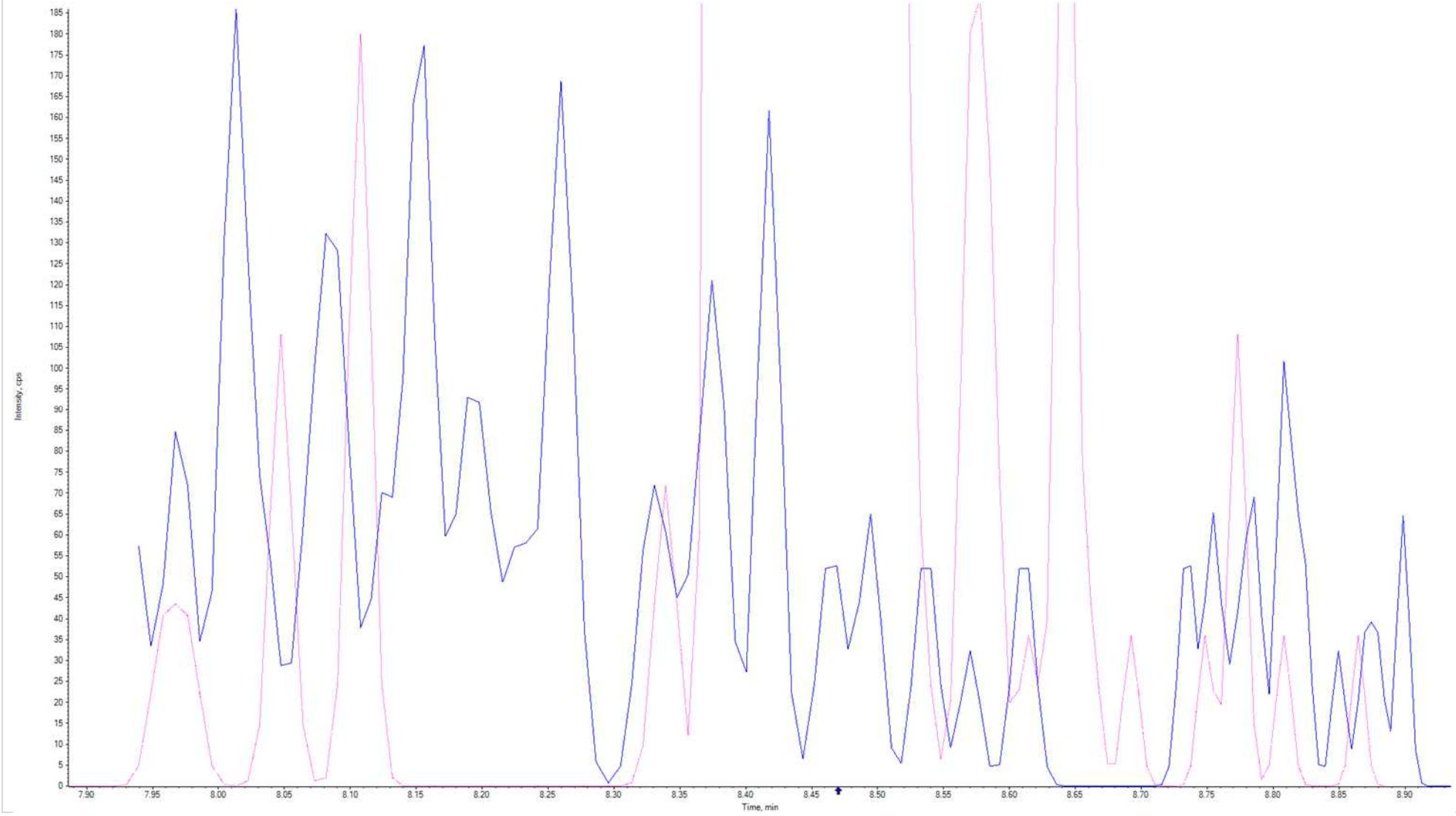
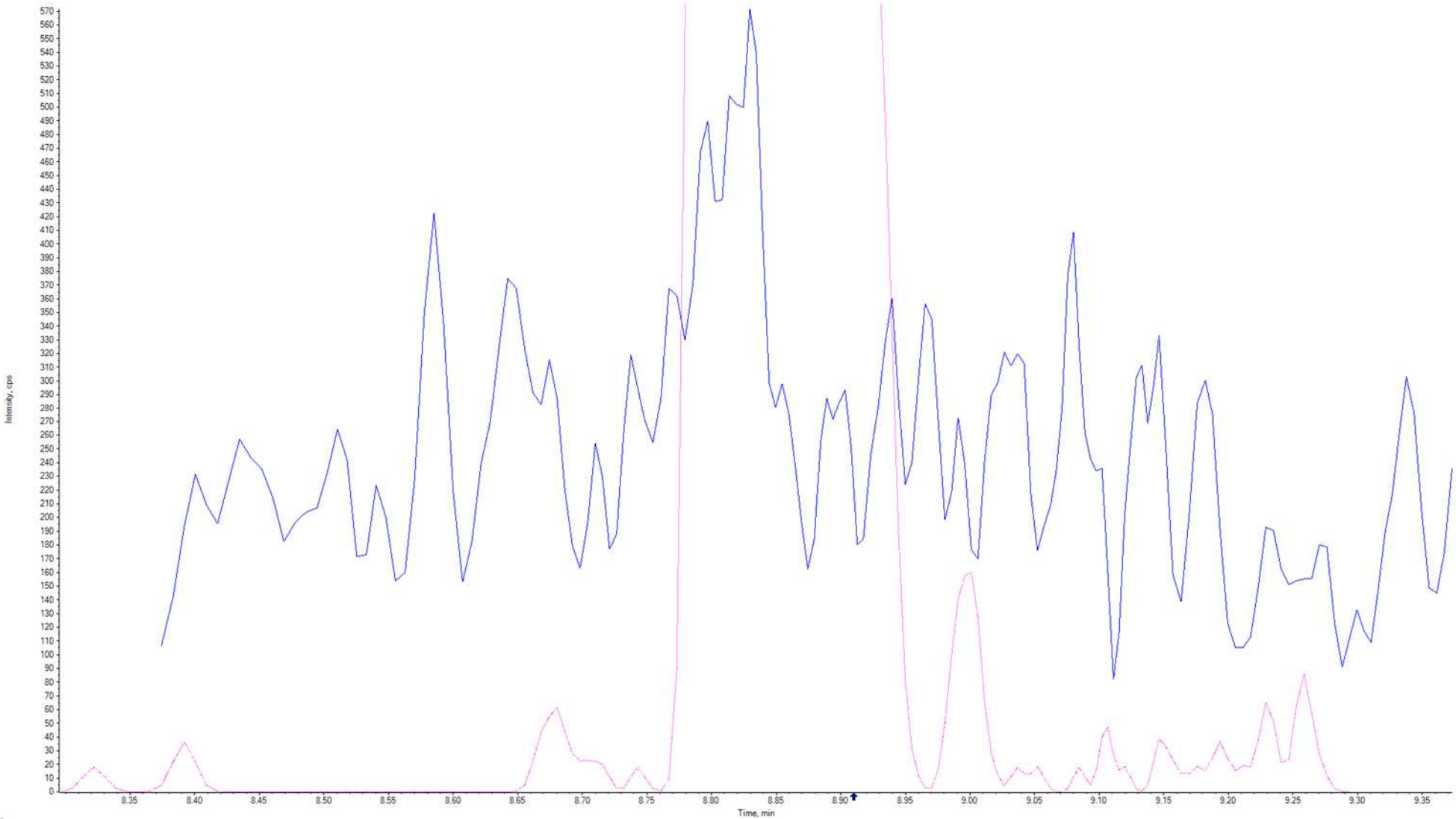
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFUnA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



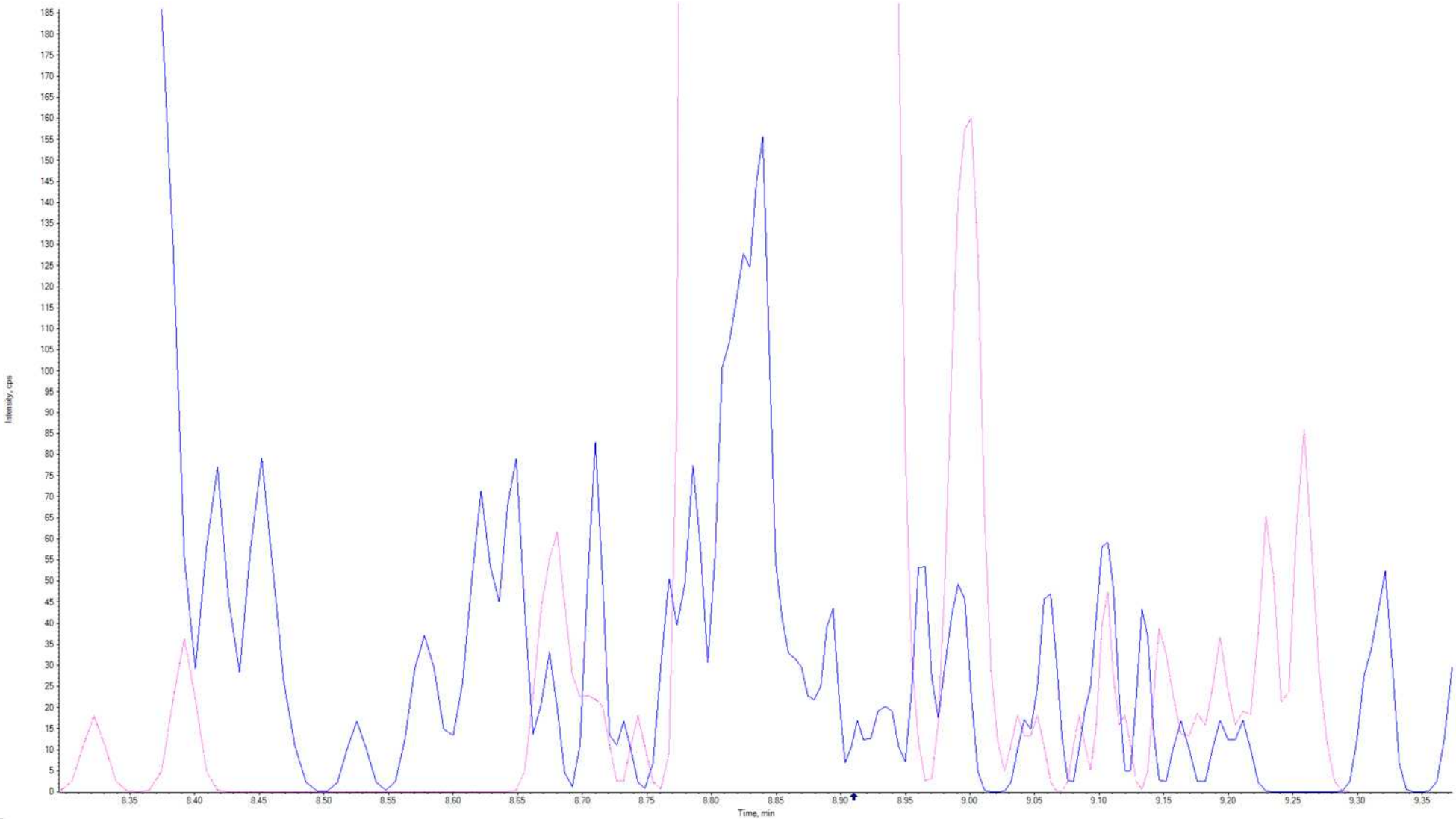
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



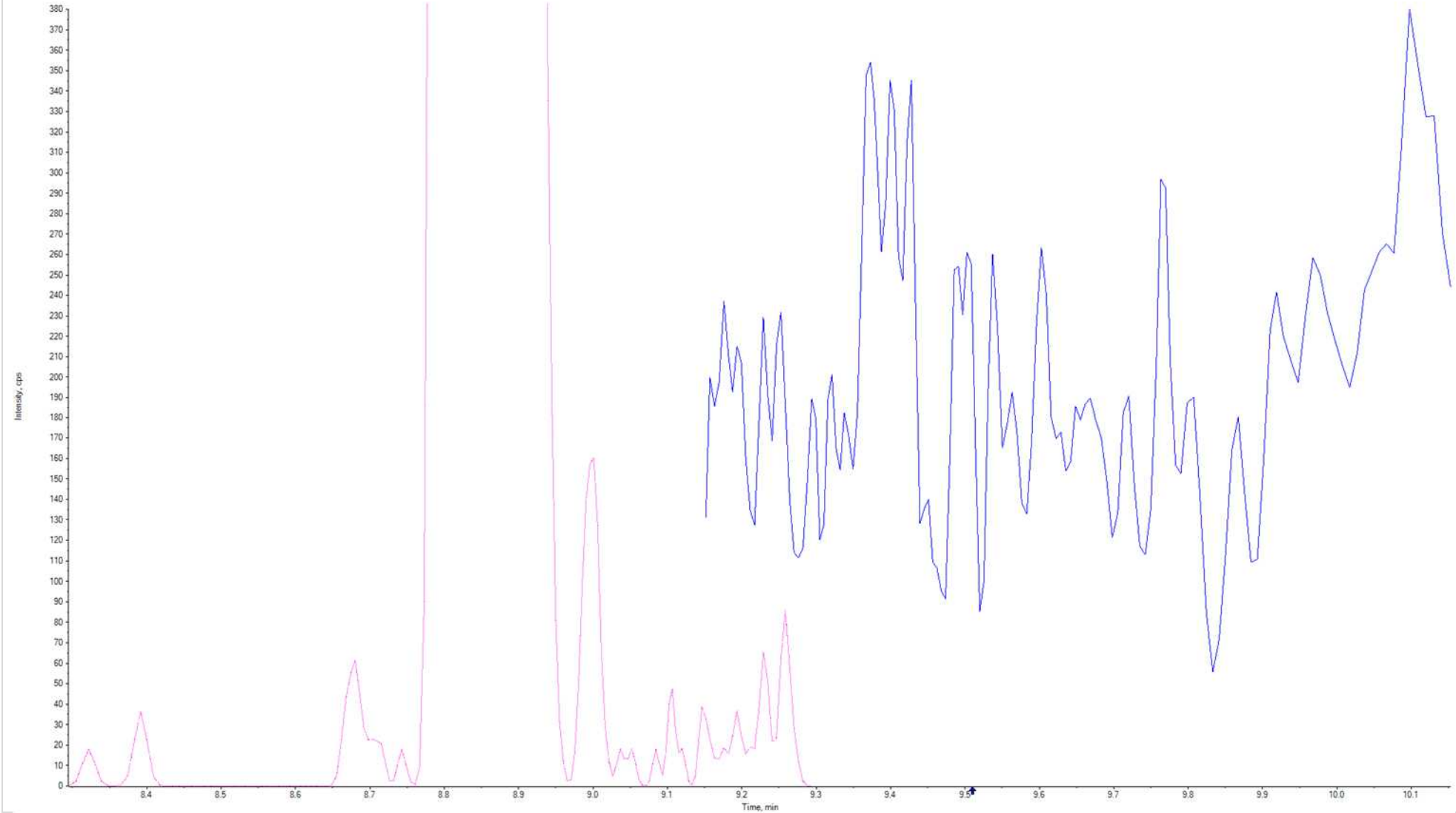
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



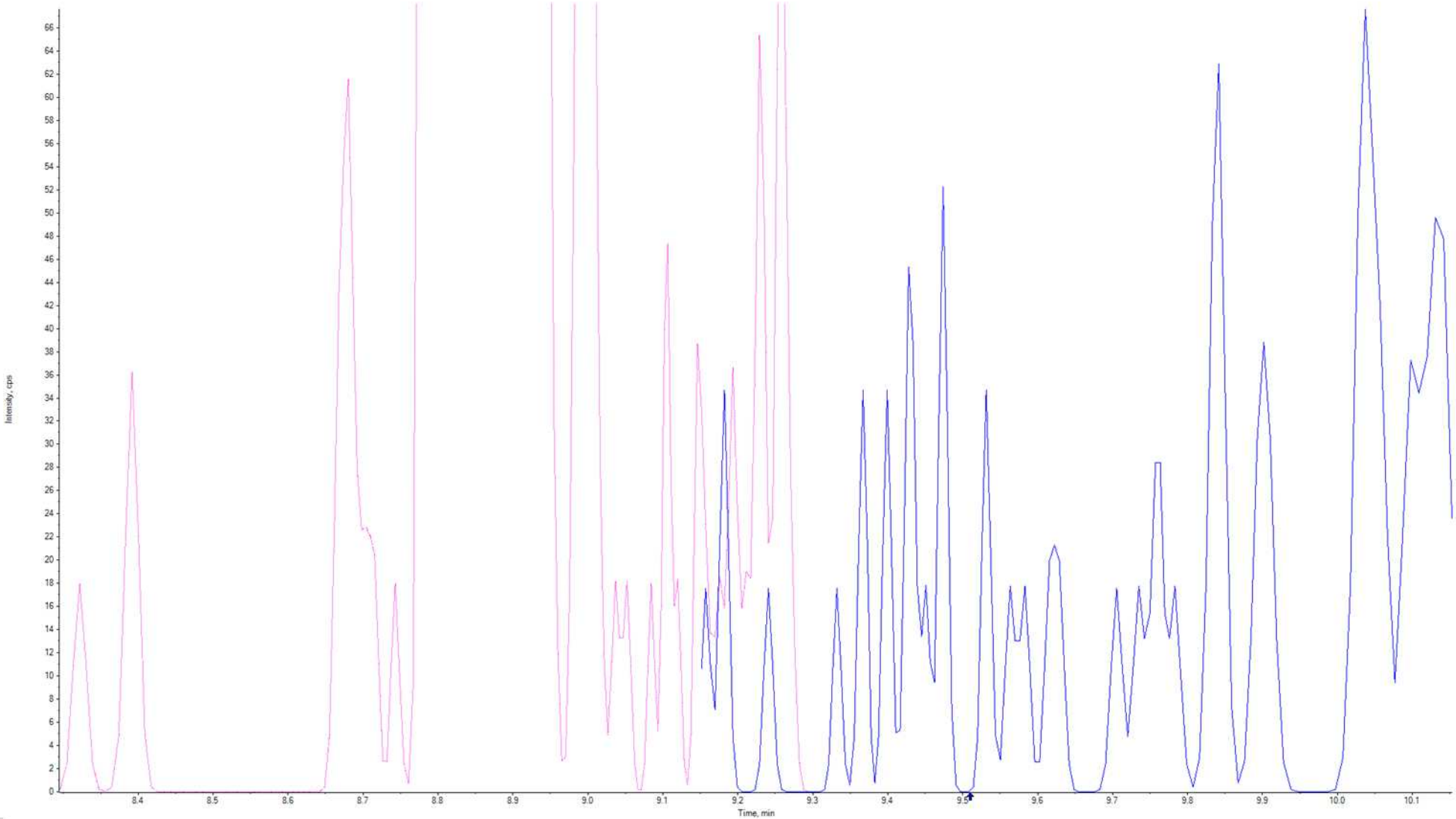
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTrDA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



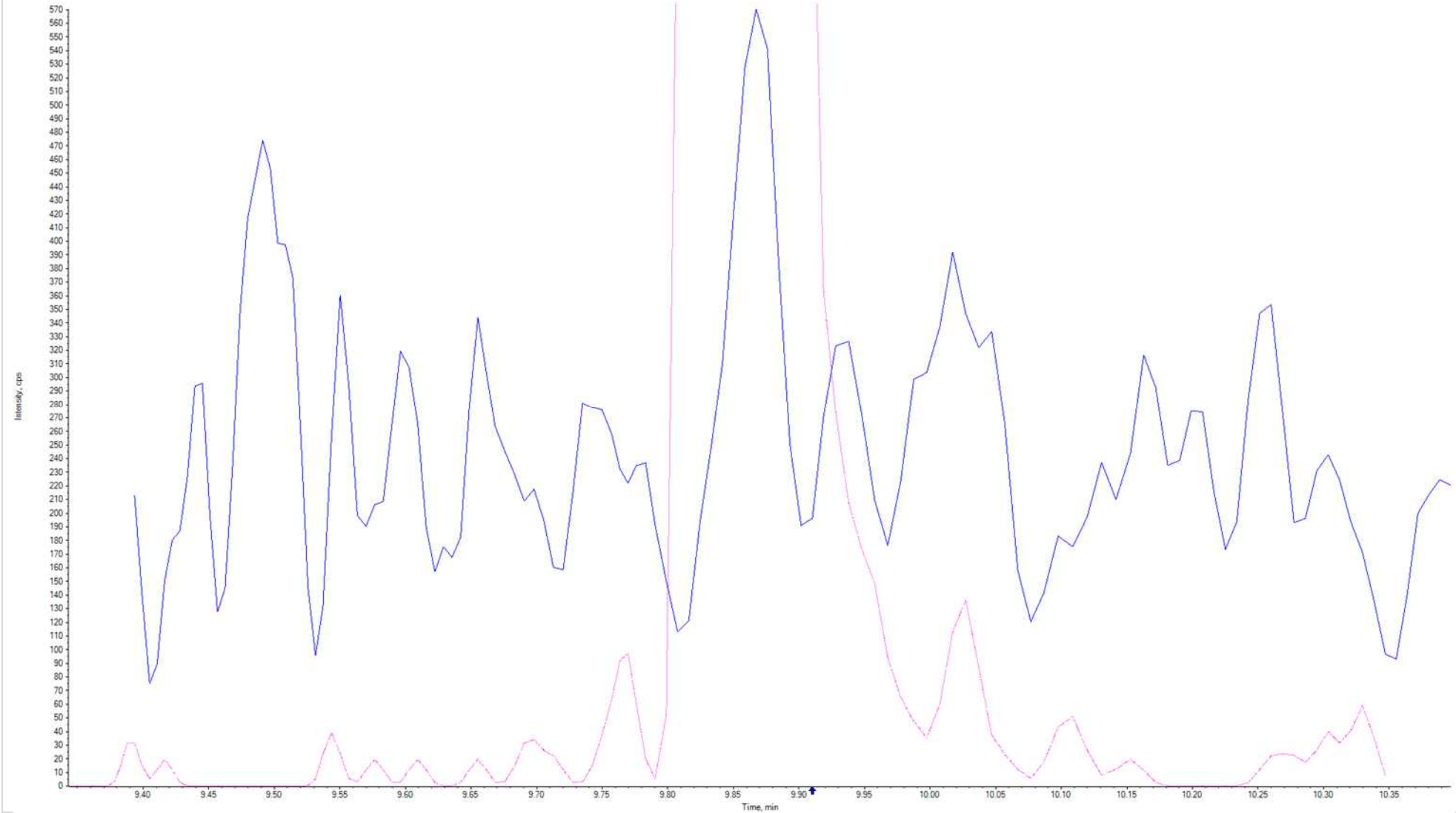
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTrDA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



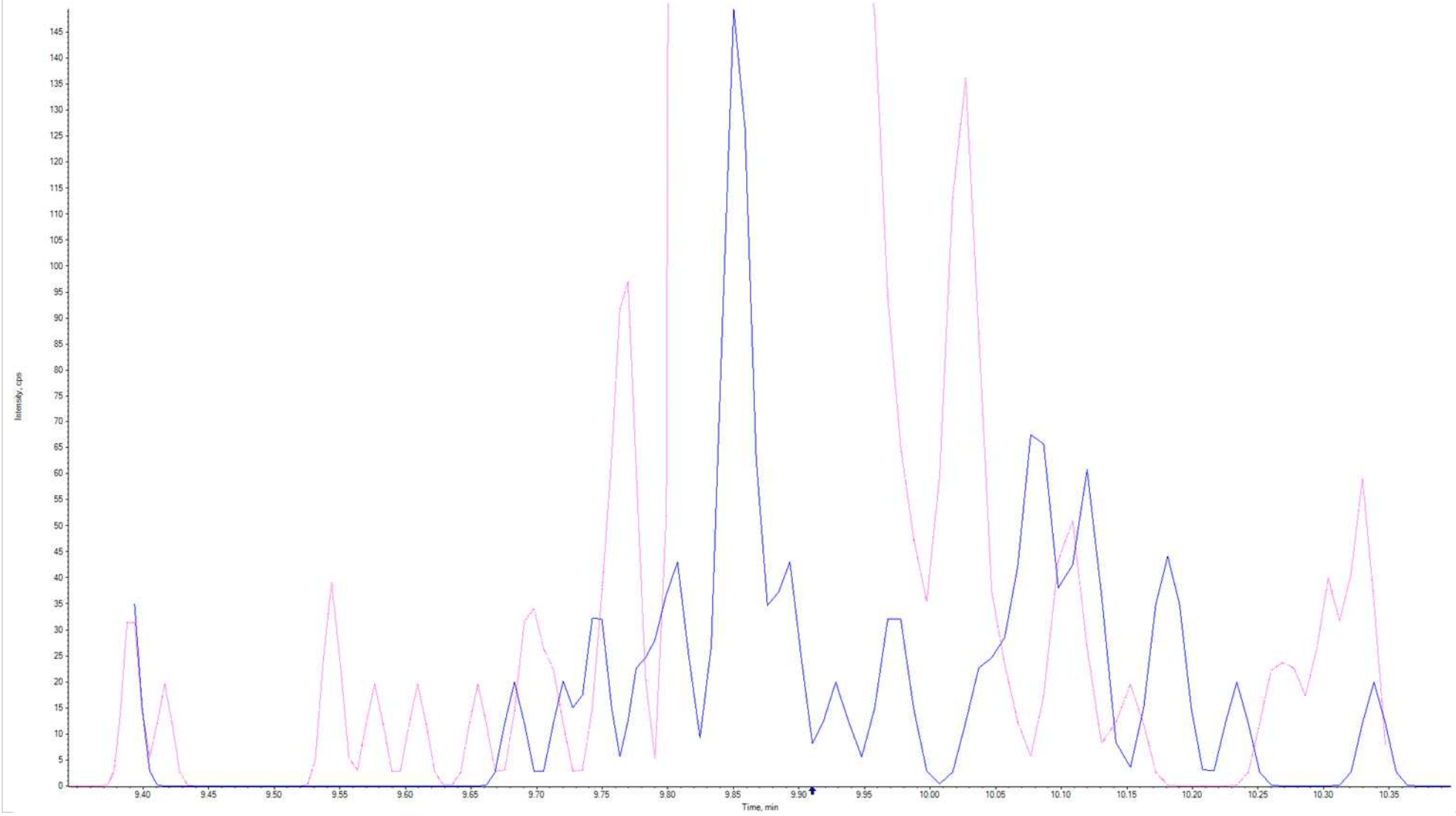
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTeDA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTeDA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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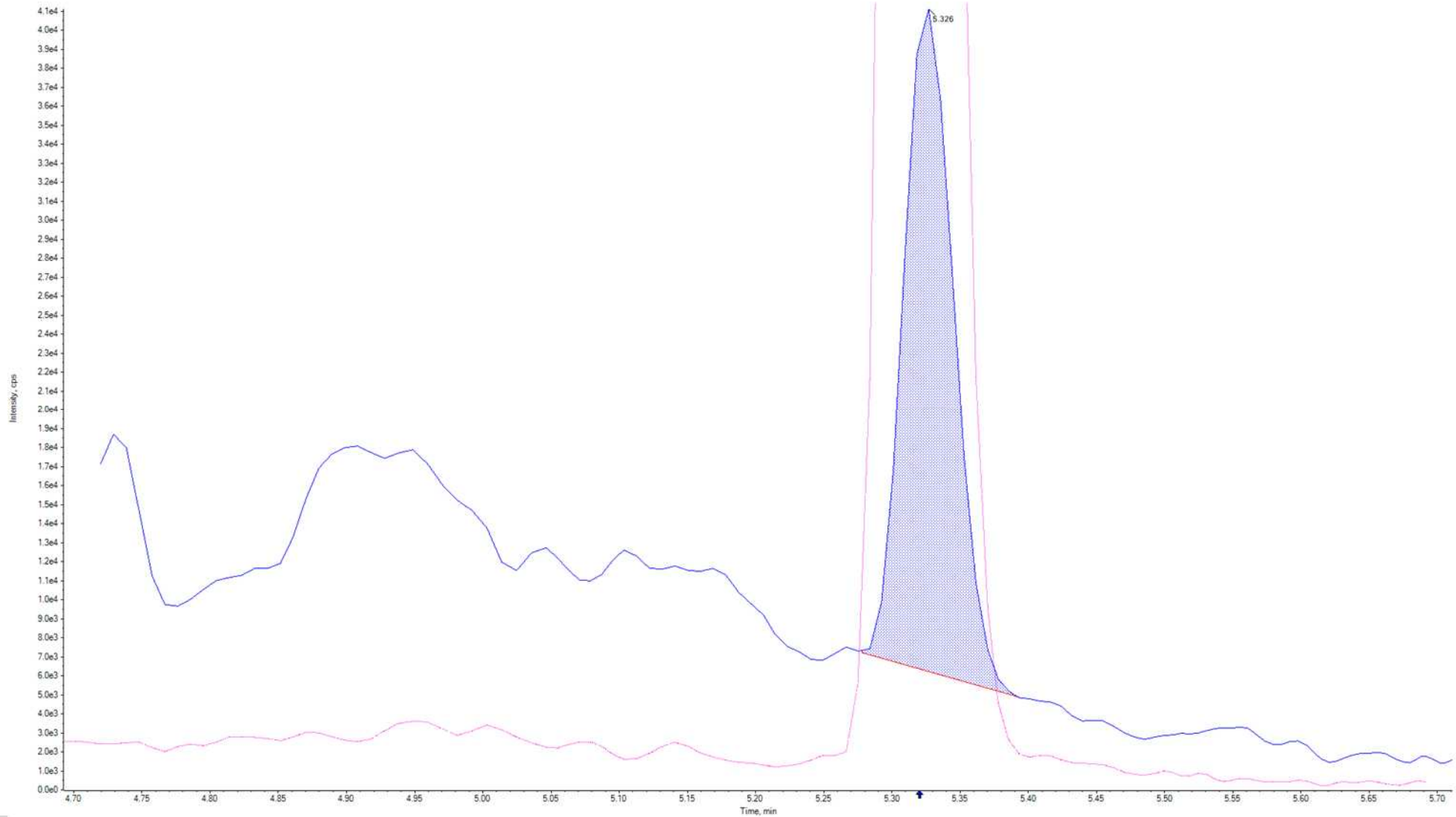
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBS
Sample: L2447503-08 S/N:40.4 Points Across peak:15



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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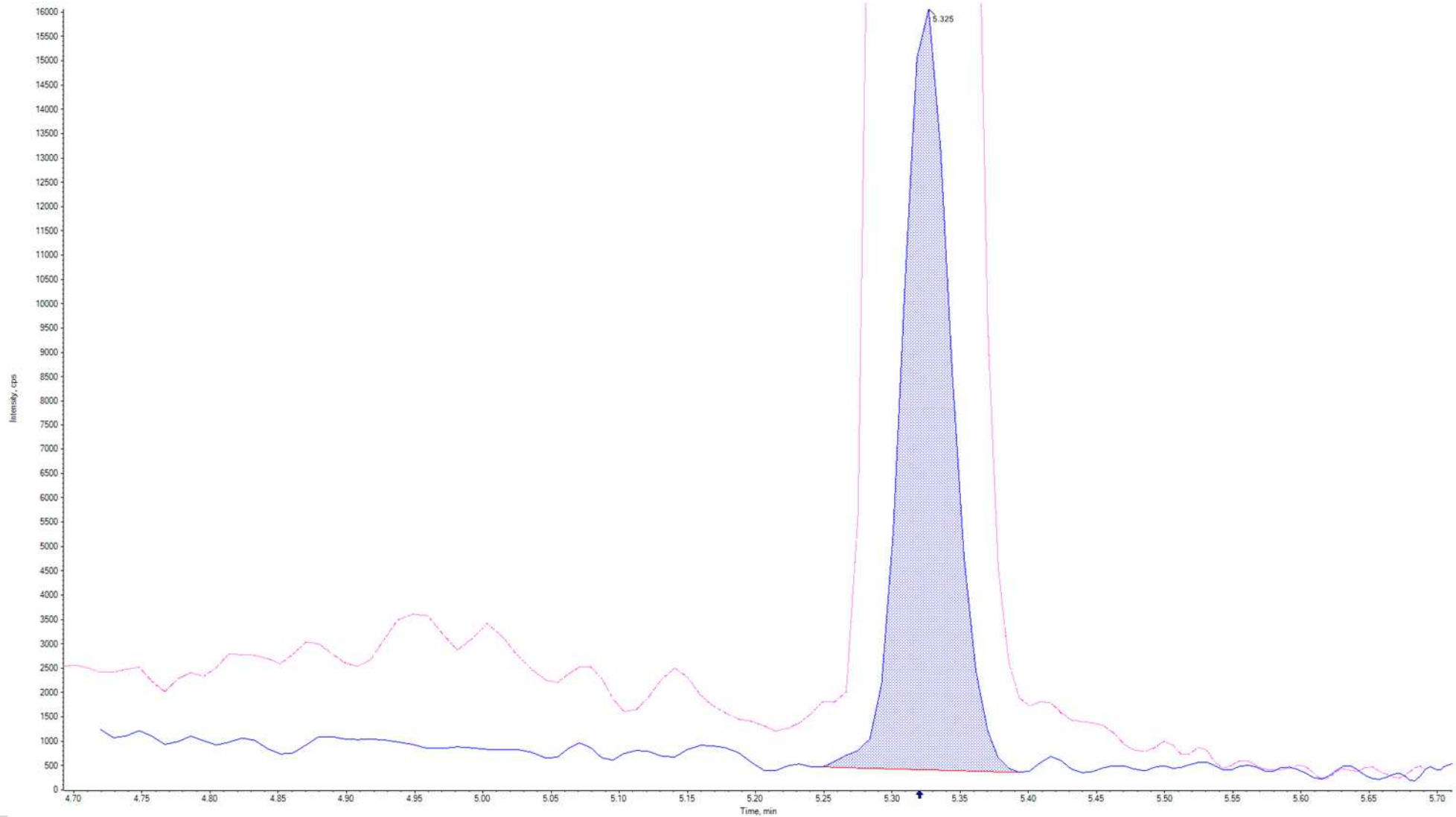
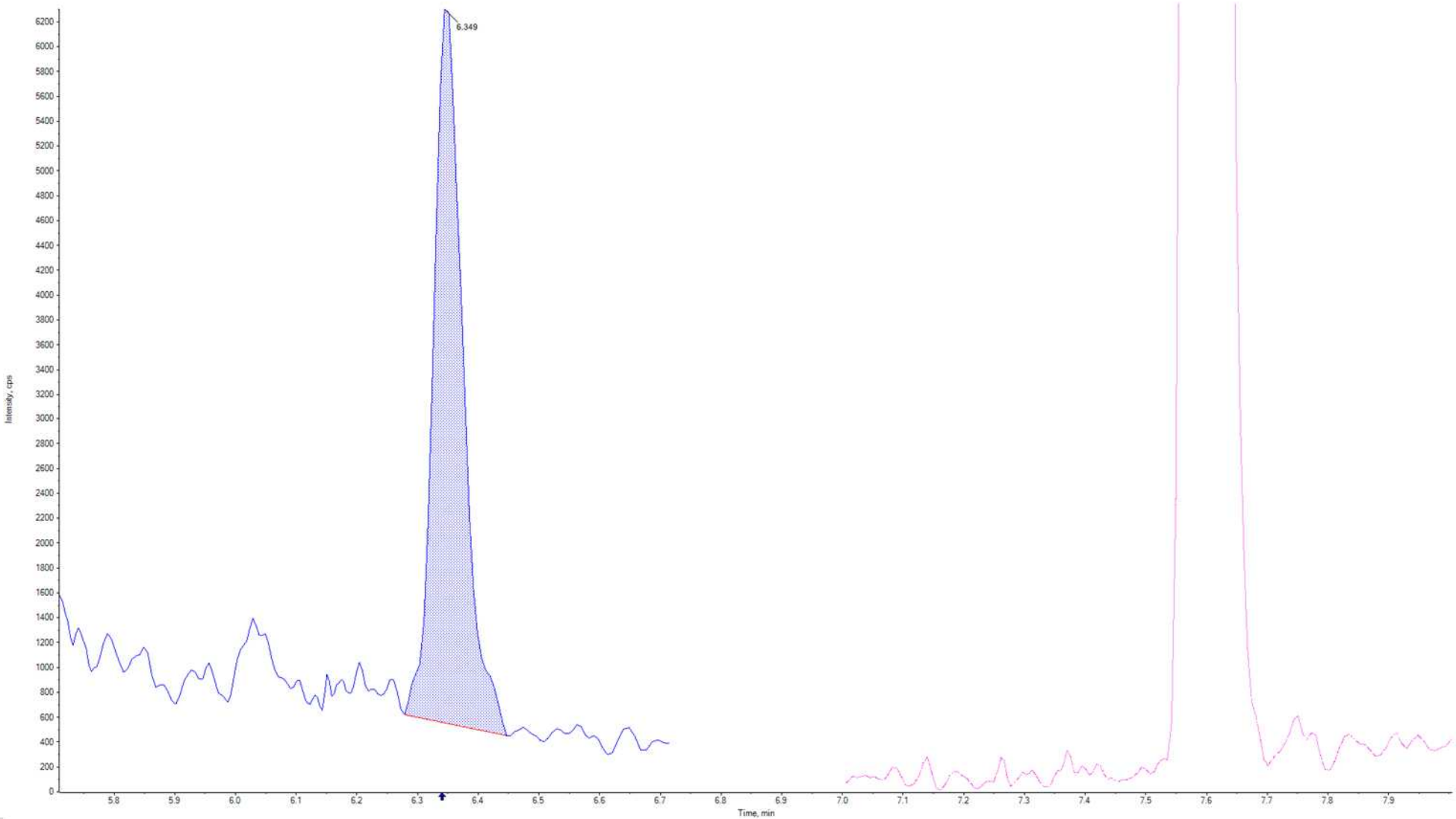
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBS_2
Sample: L2447503-08 S/N:253.6 Points Across peak:18



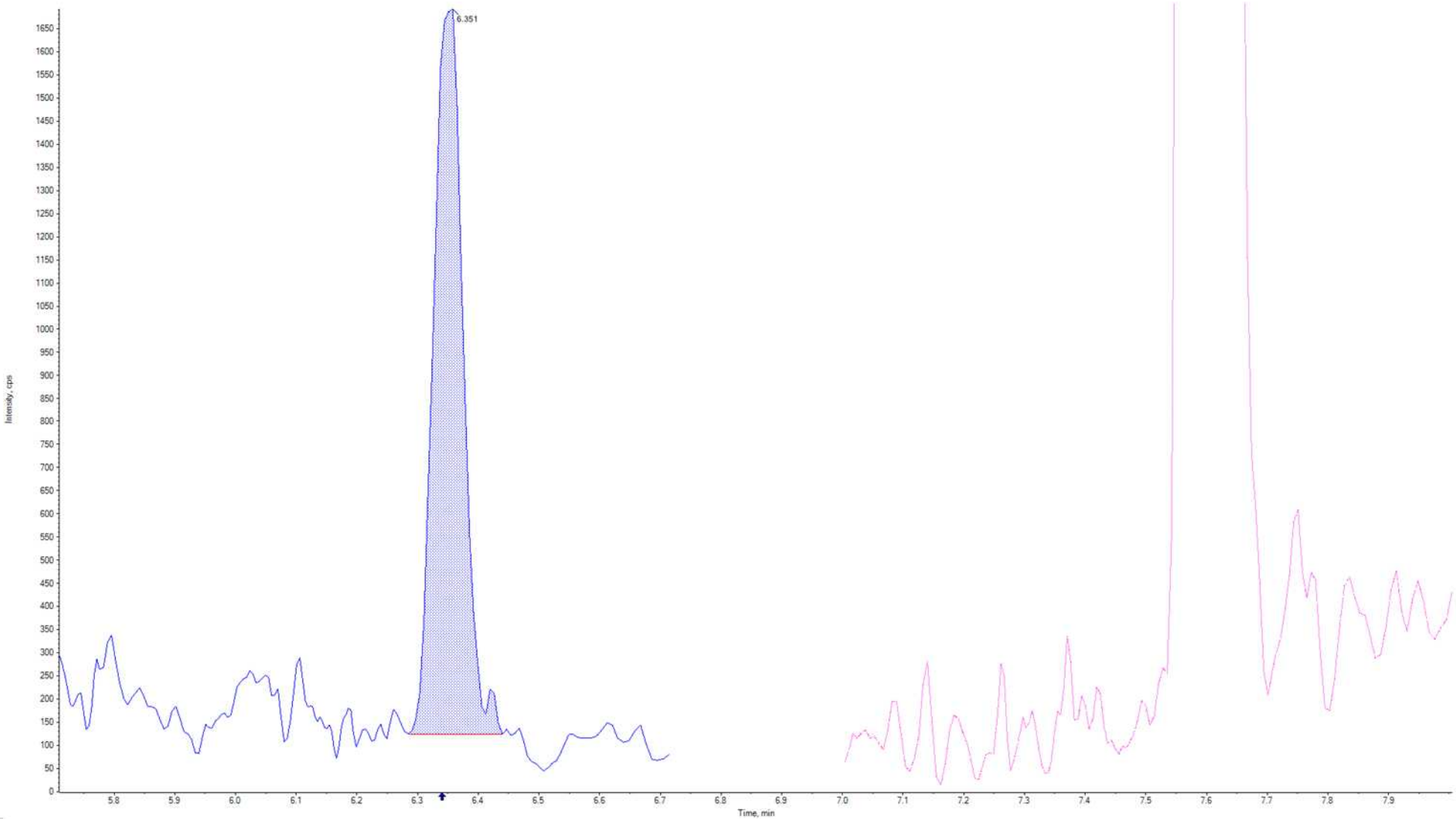
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeS
Sample: L2447503-08 S/N:157.8 Points Across peak:26



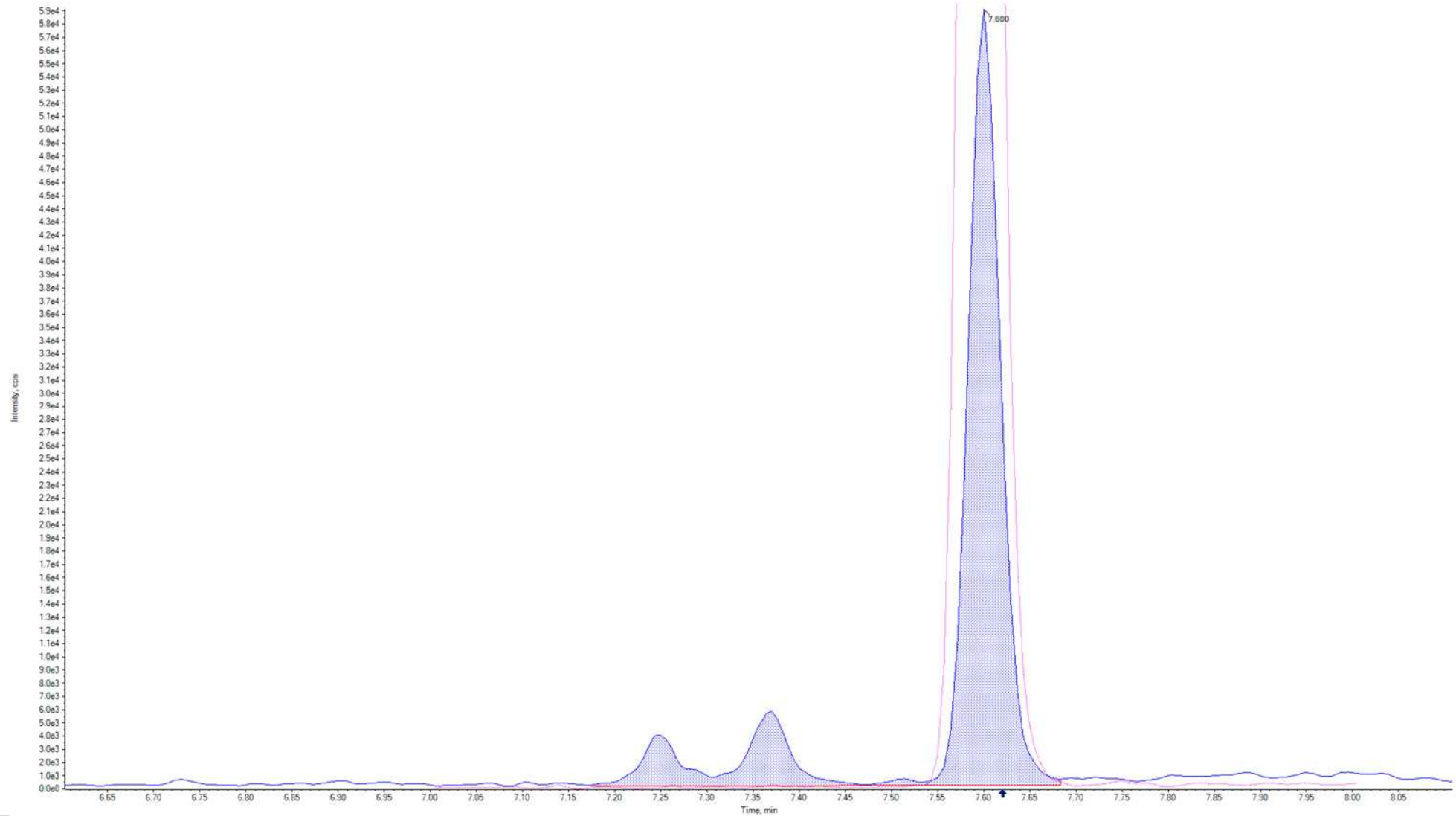
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeS_2
Sample: L2447503-08 S/N:138.7 Points Across peak:24



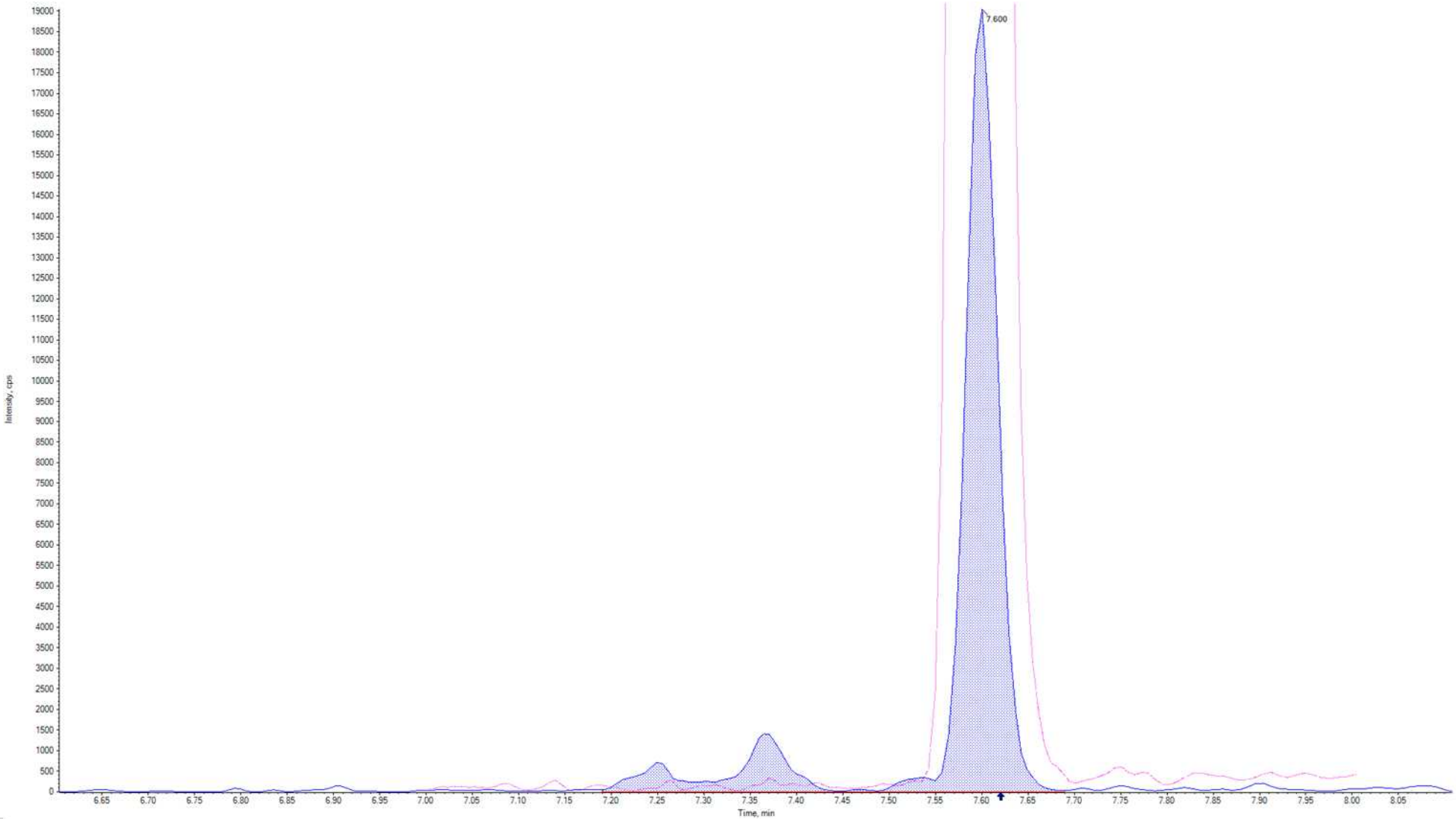
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxS
Sample: L2447503-08 S/N:765.5 Points Across peak:84



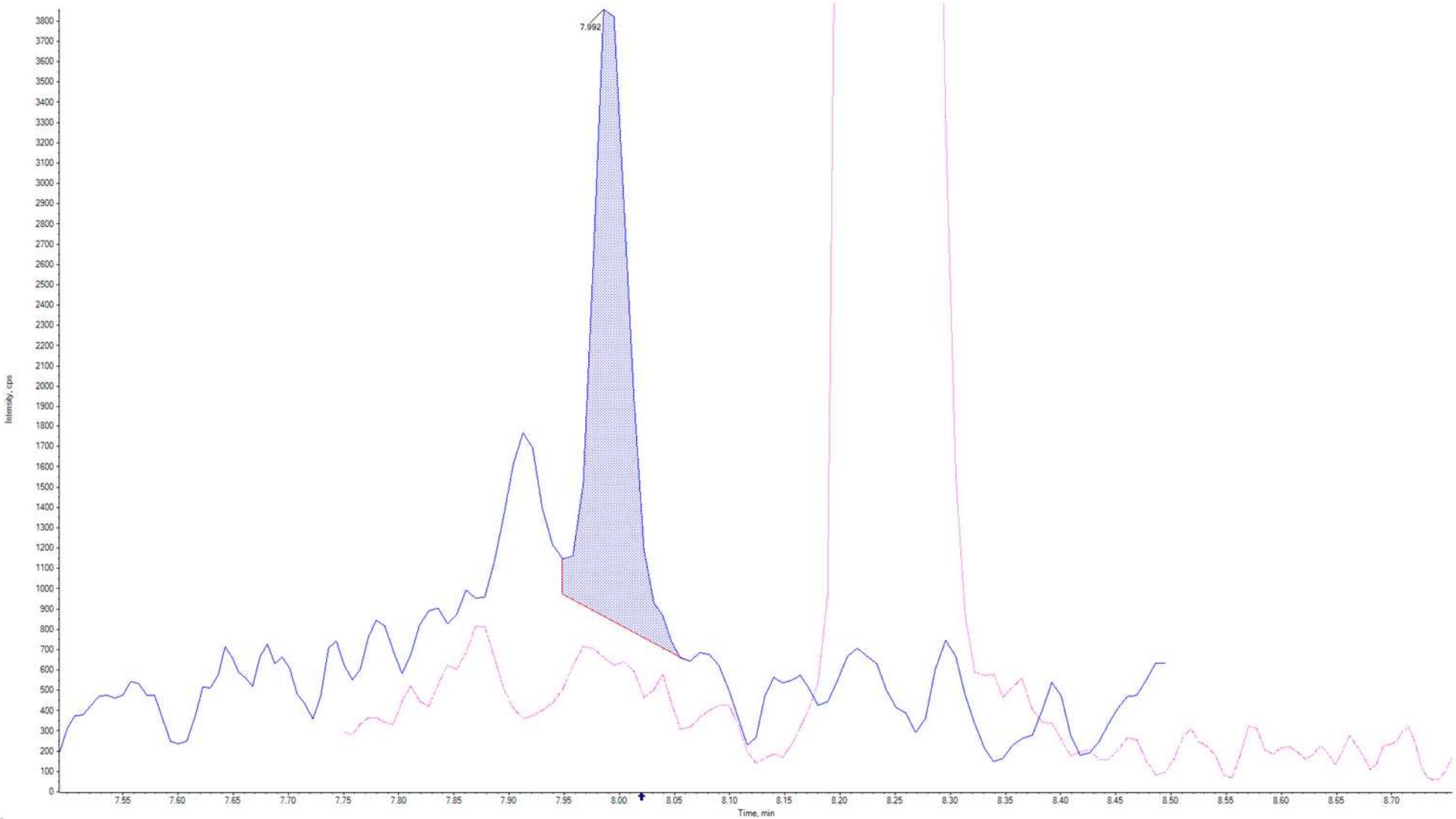
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxS_2
Sample: L2447503-08 S/N:62732.0 Points Across peak:83



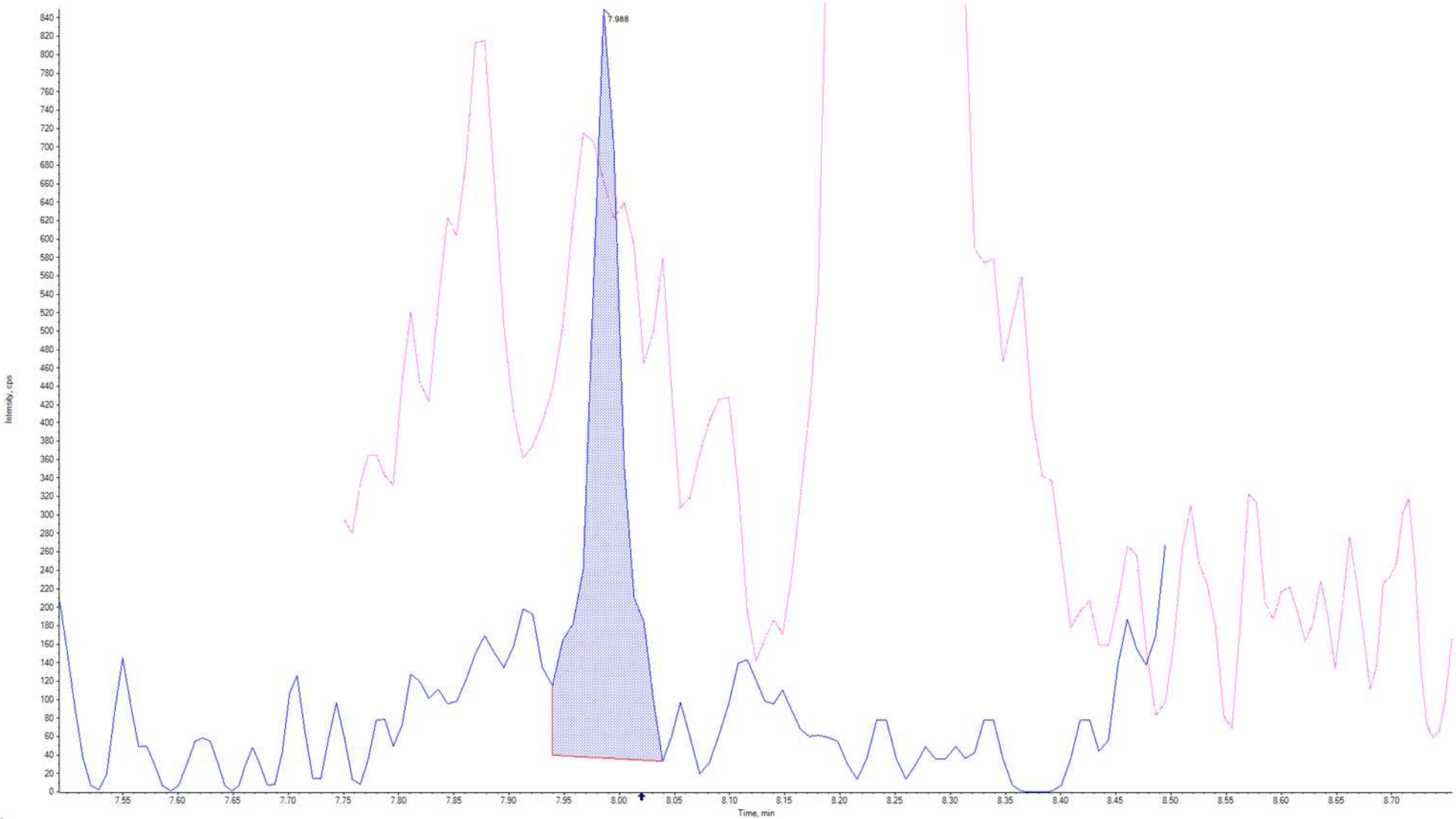
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpS
Sample: L2447503-08 S/N:62.4 Points Across peak:15



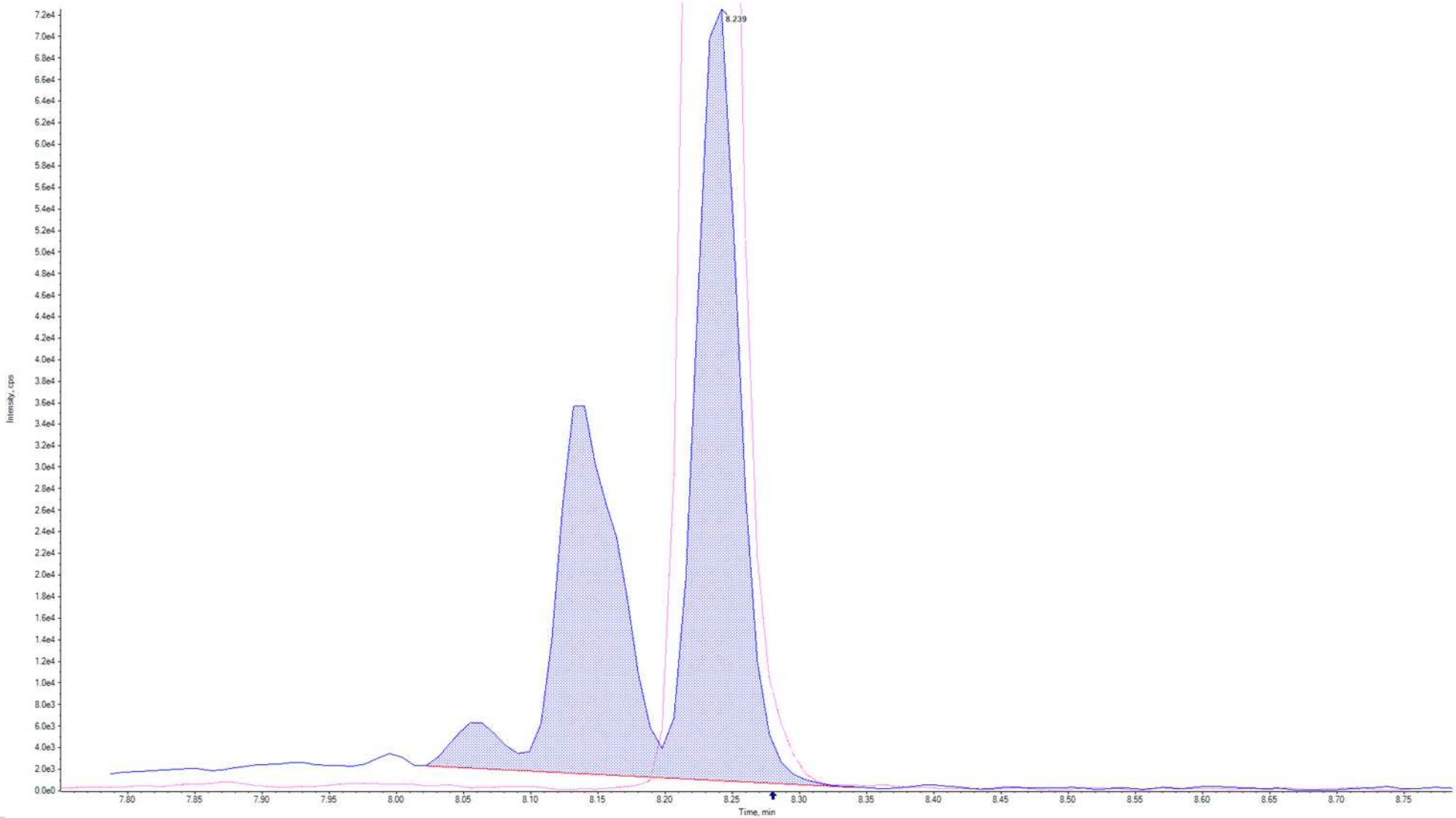
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpS_2
Sample: L2447503-08 S/N:2067.3 Points Across peak:12



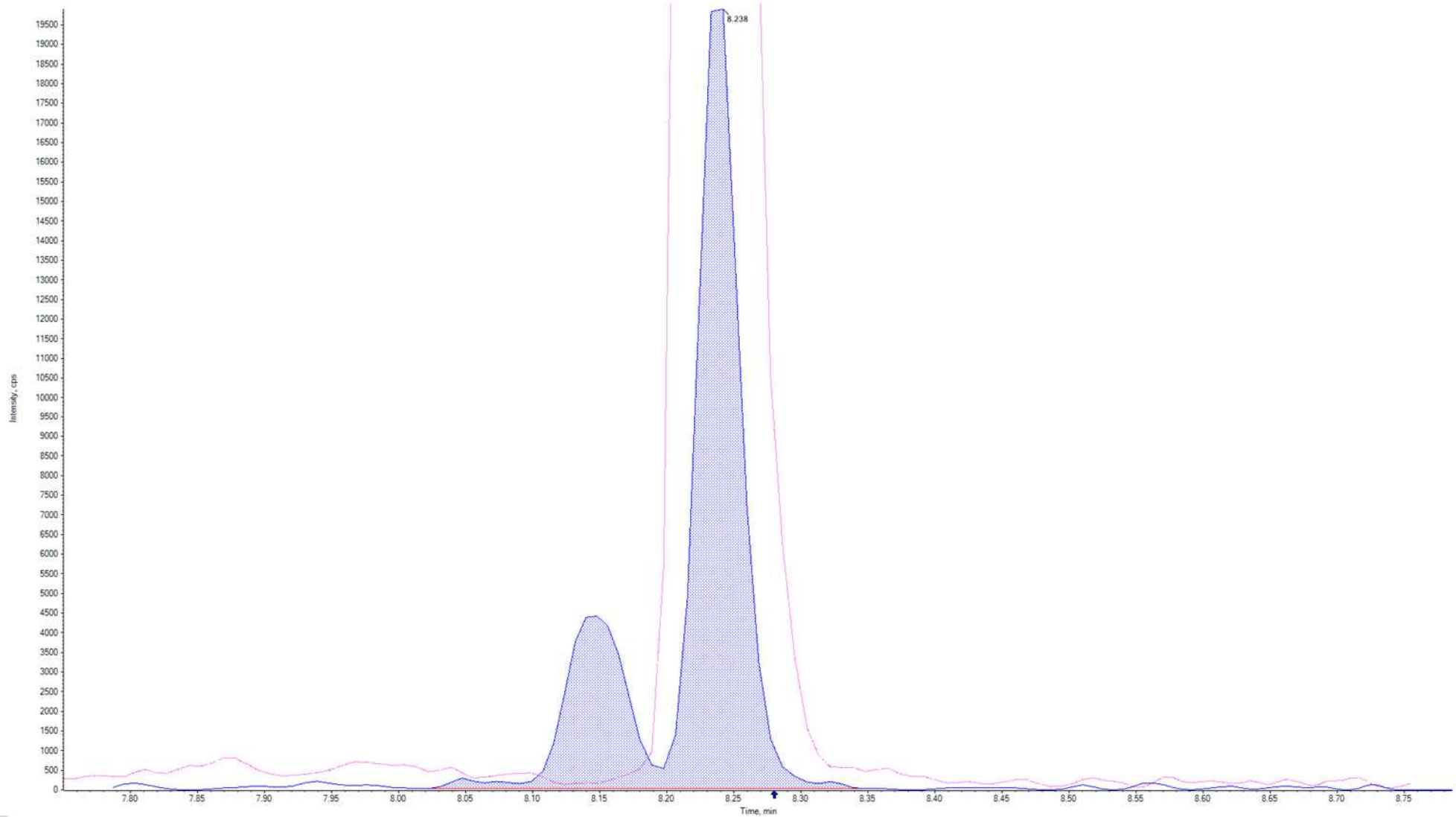
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOS
Sample: L2447503-08 S/N:671.1 Points Across peak:39



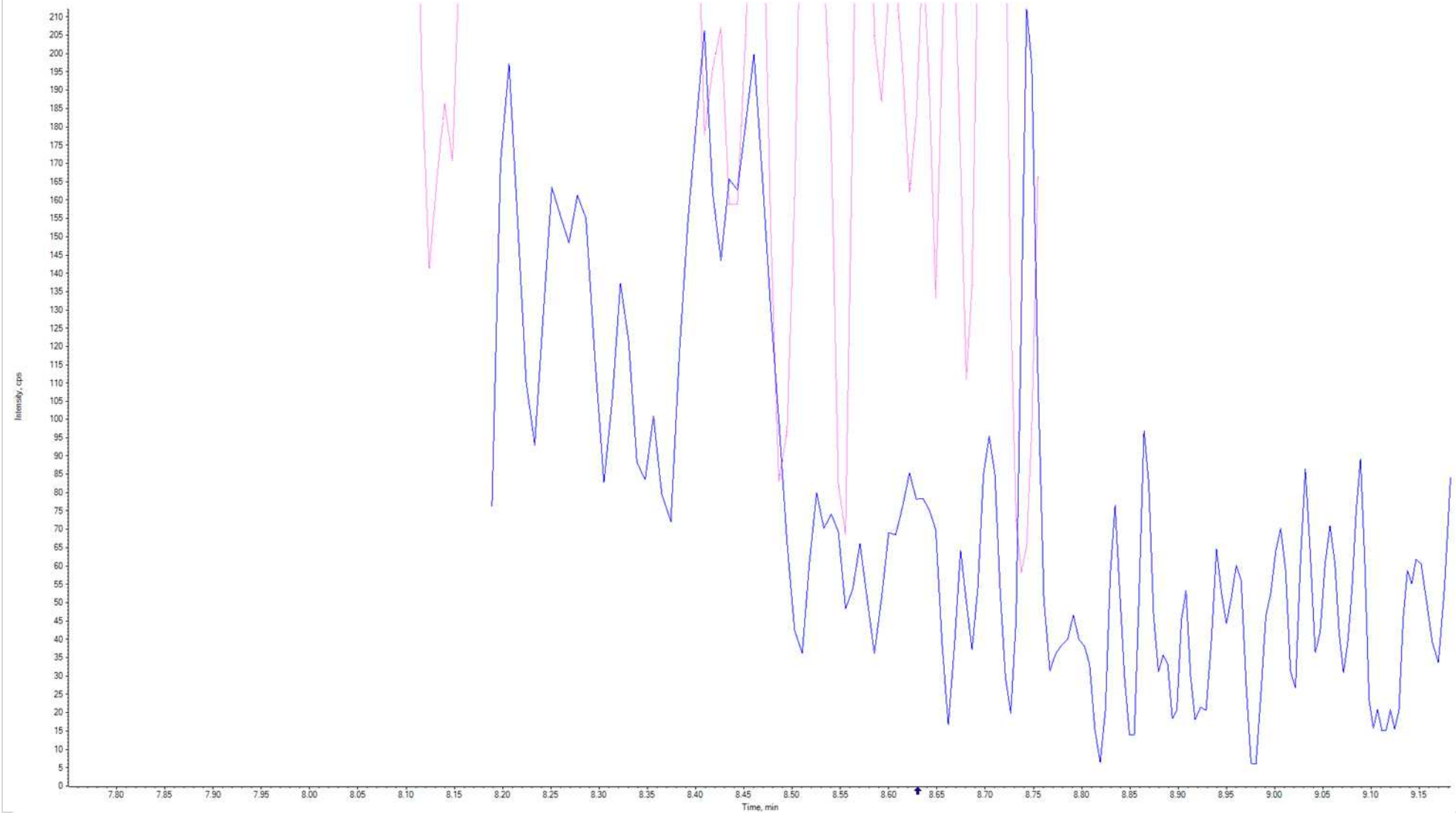
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOS_2
Sample: L2447503-08 S/N:341.9 Points Across peak:40



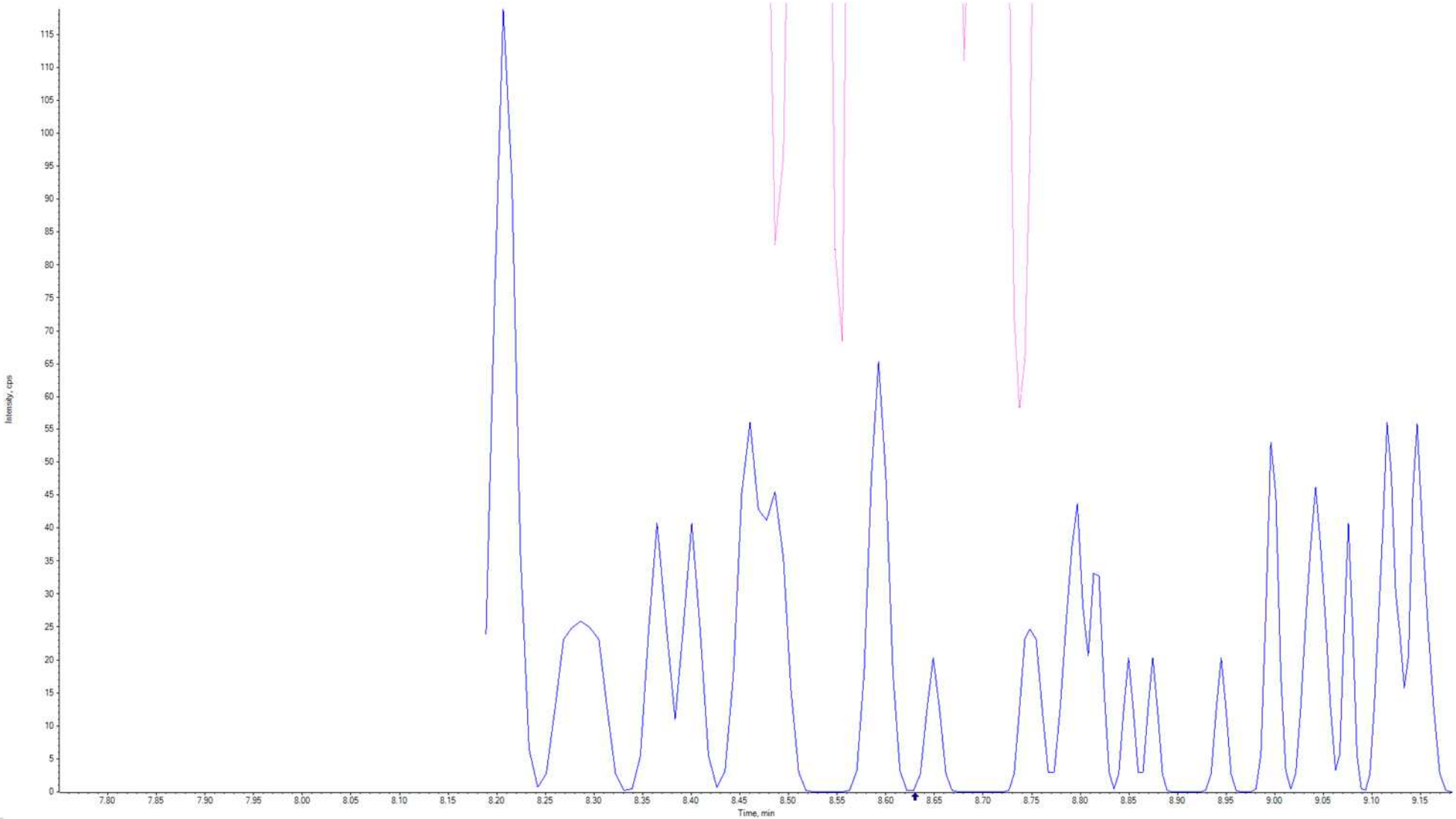
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNS
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

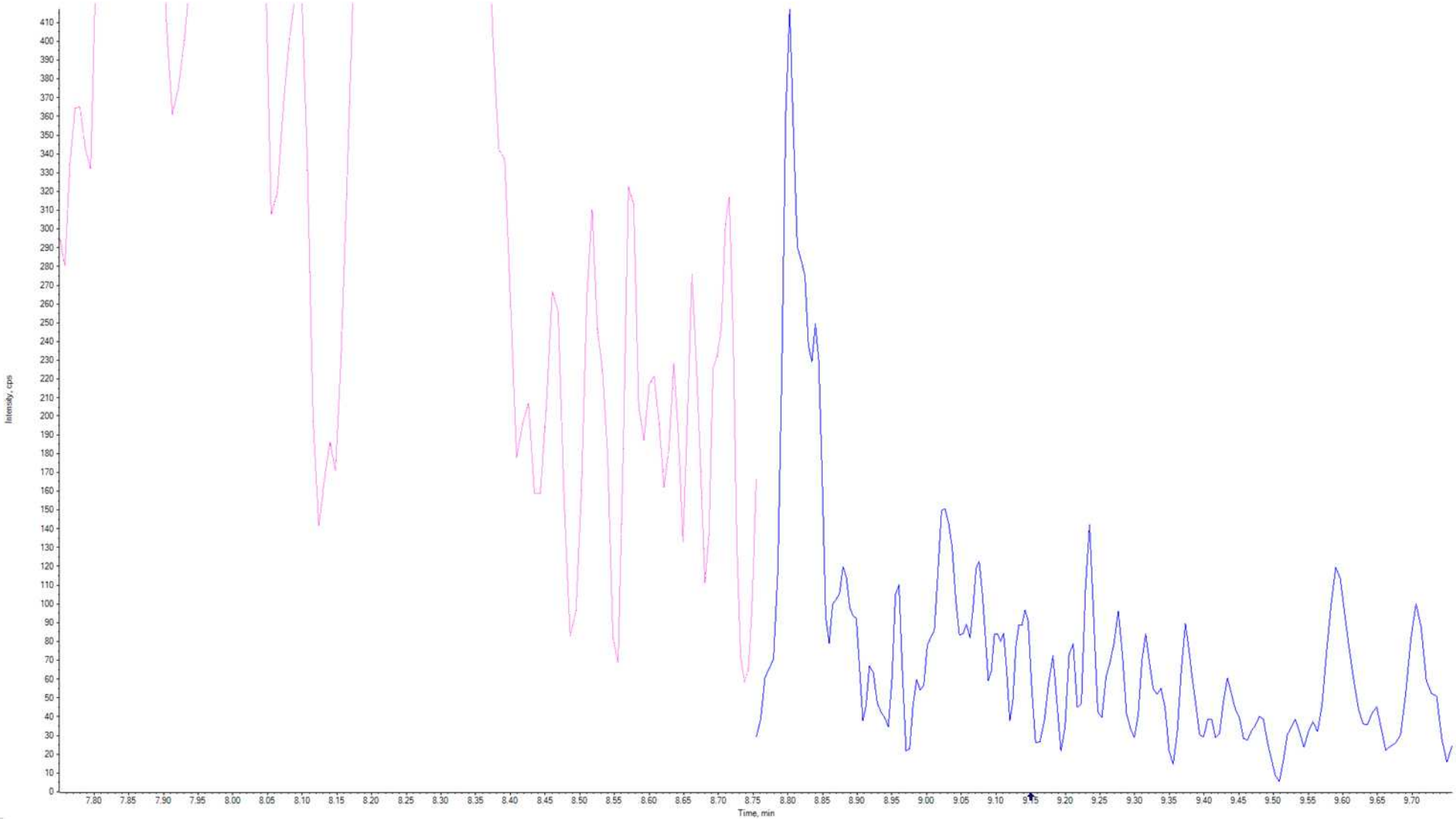


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNS_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

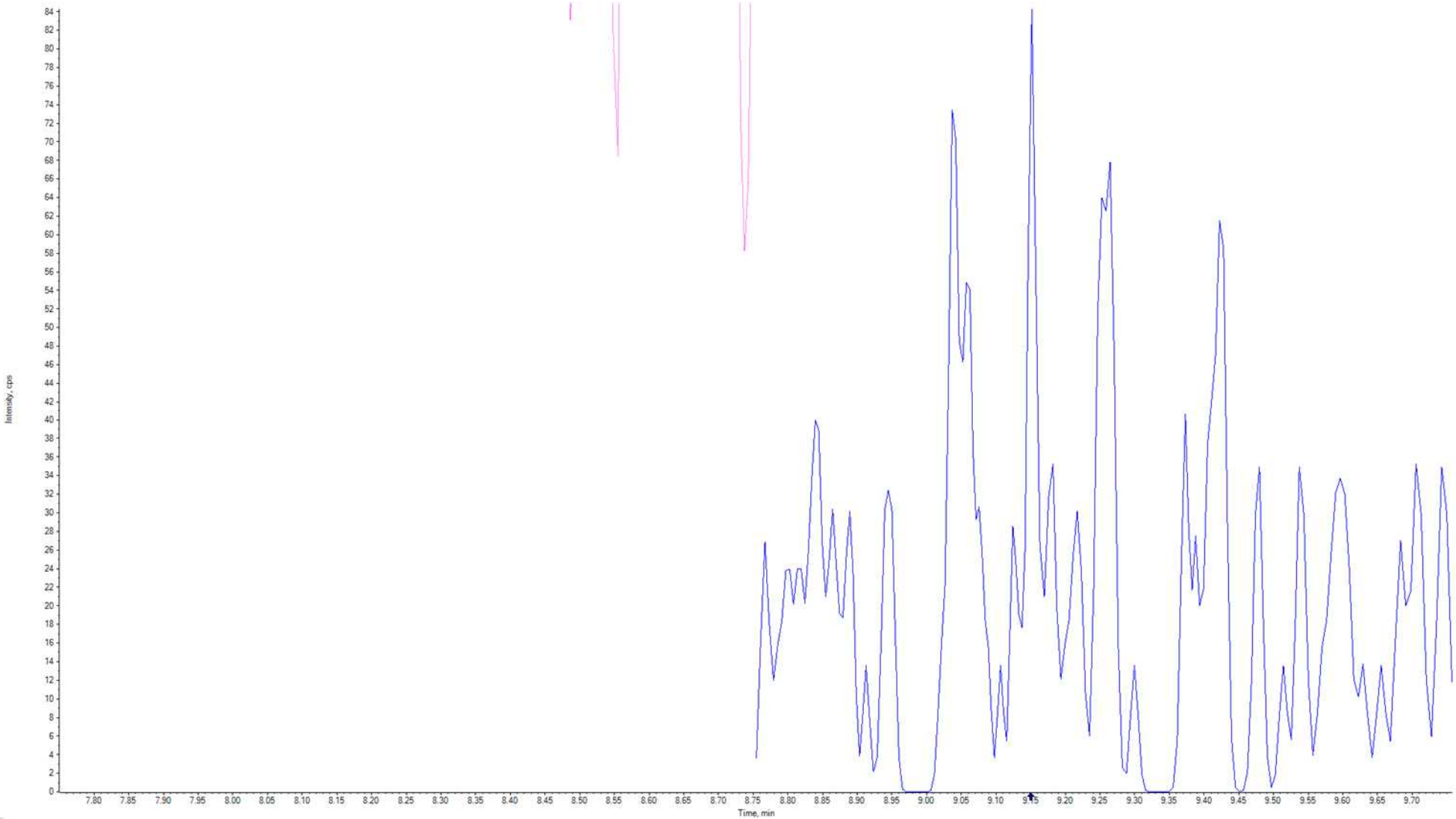


PFDS
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



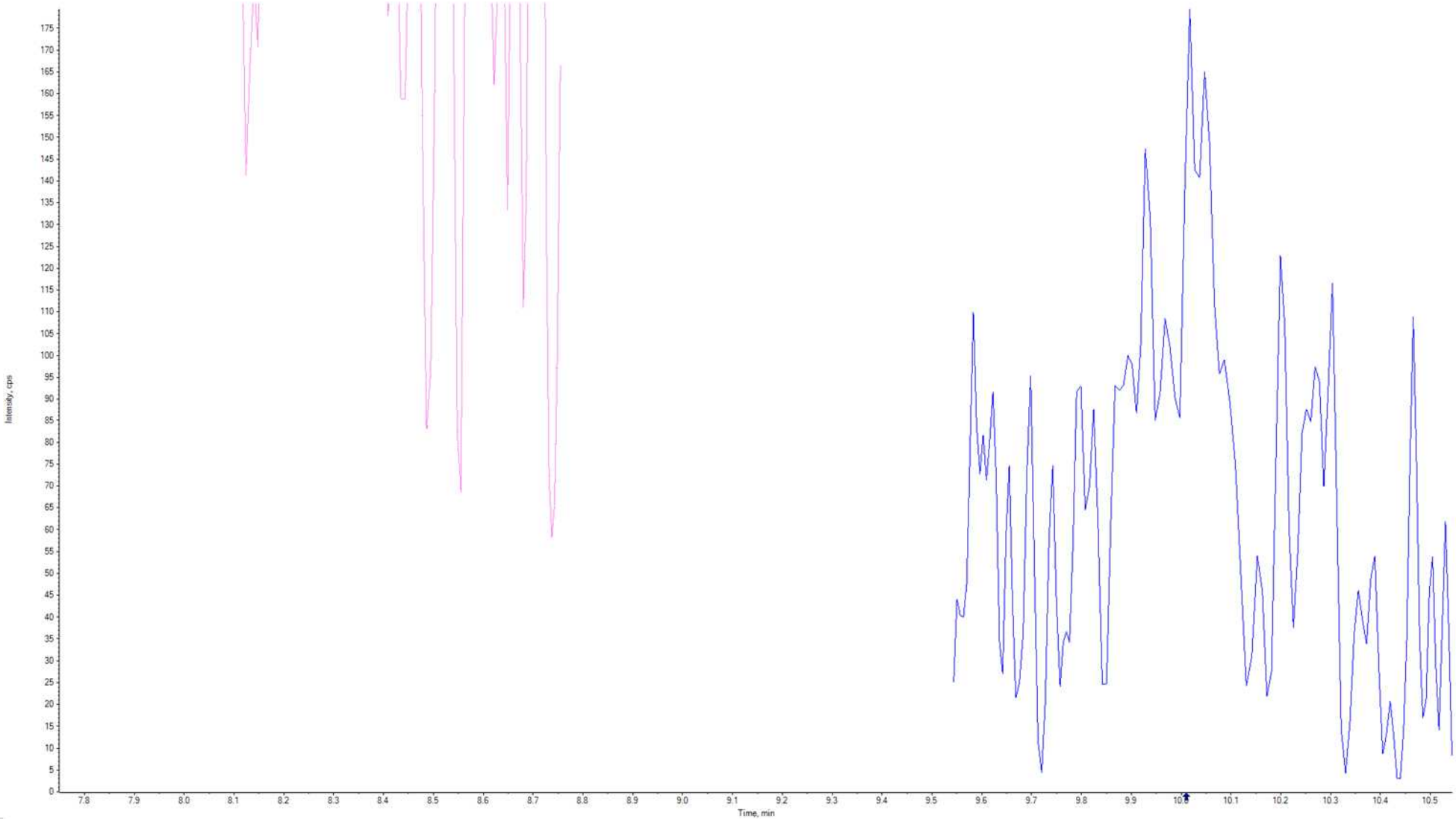
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDS_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



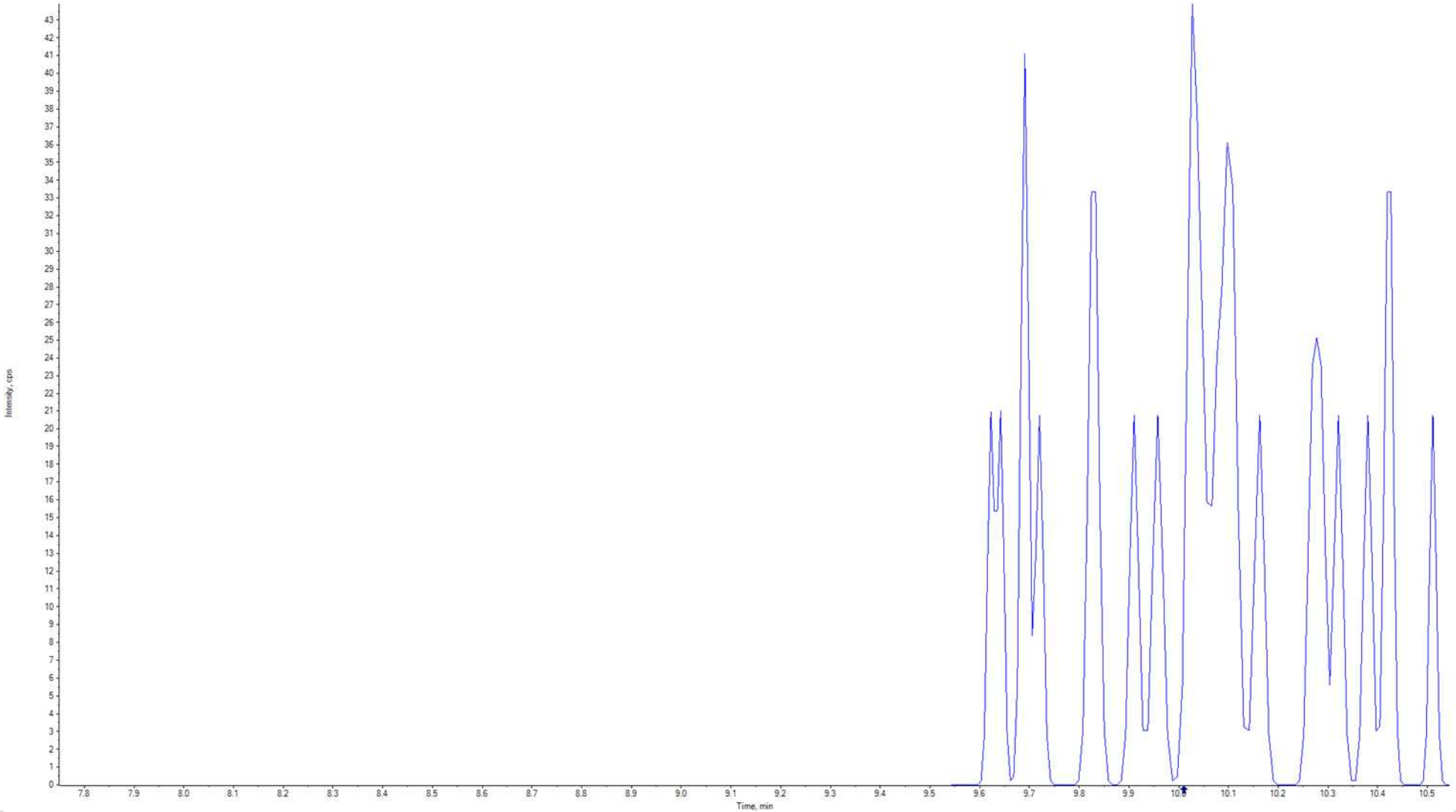
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoS
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



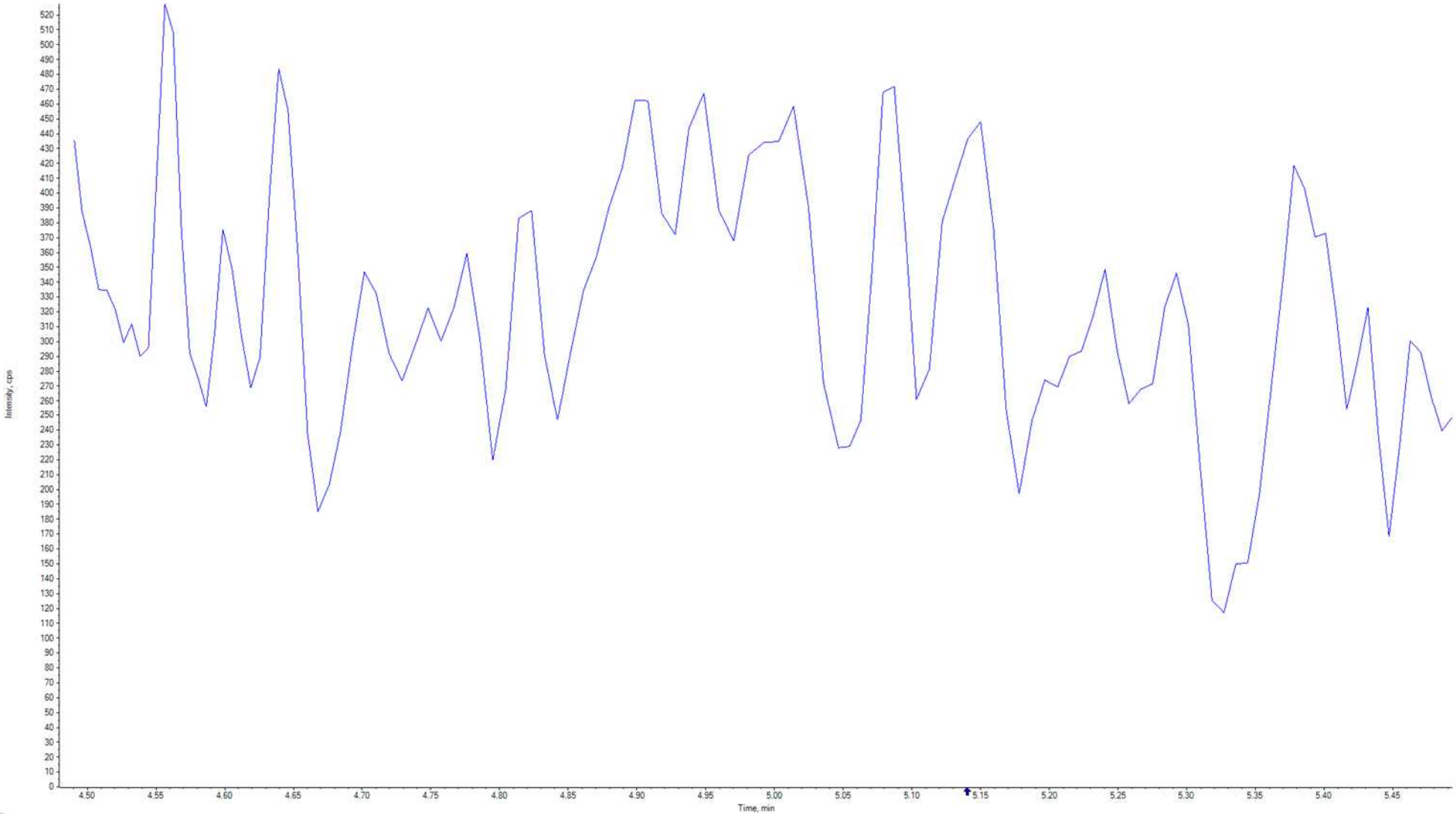
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoS_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

4:2FTS
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

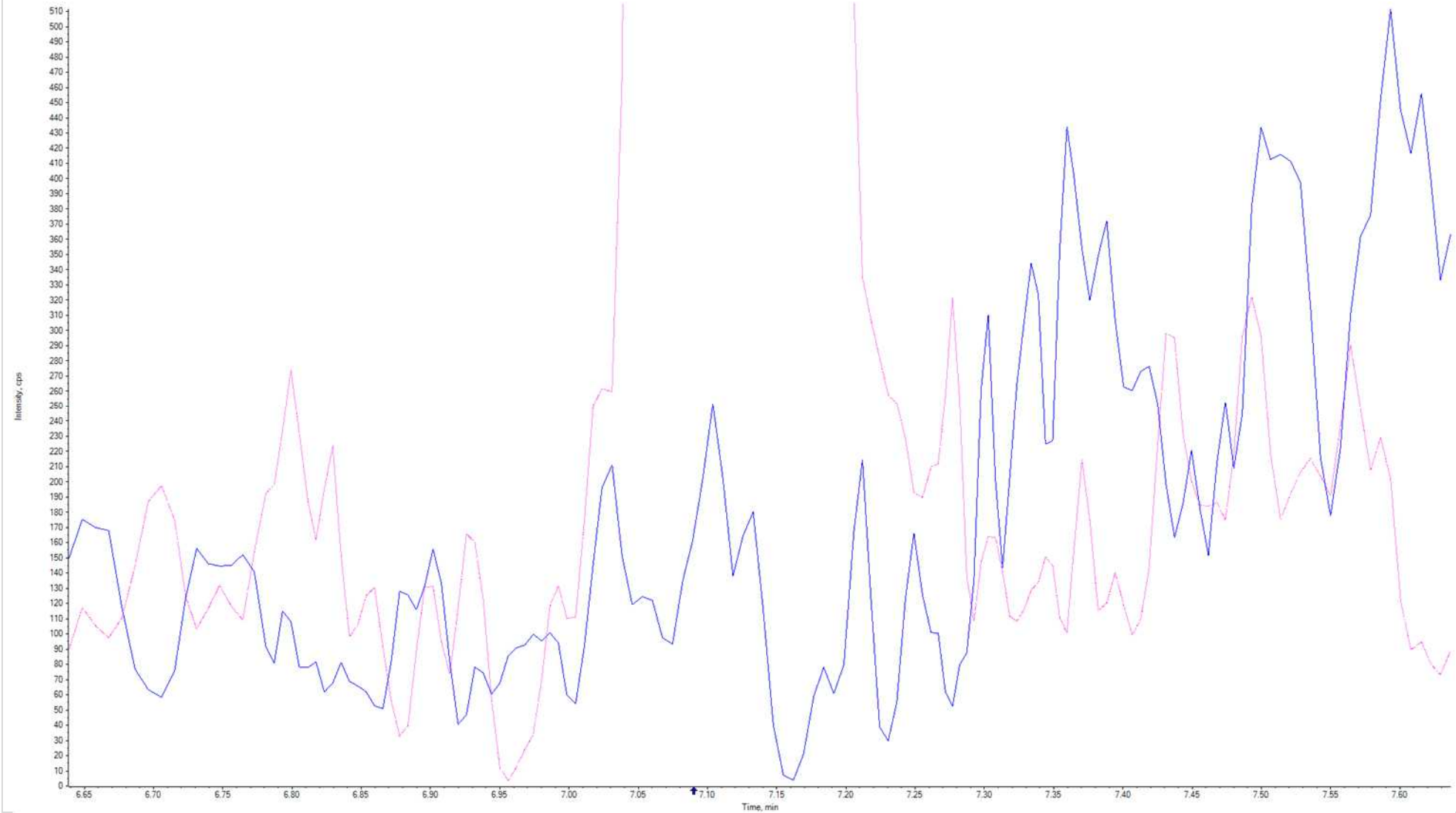


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

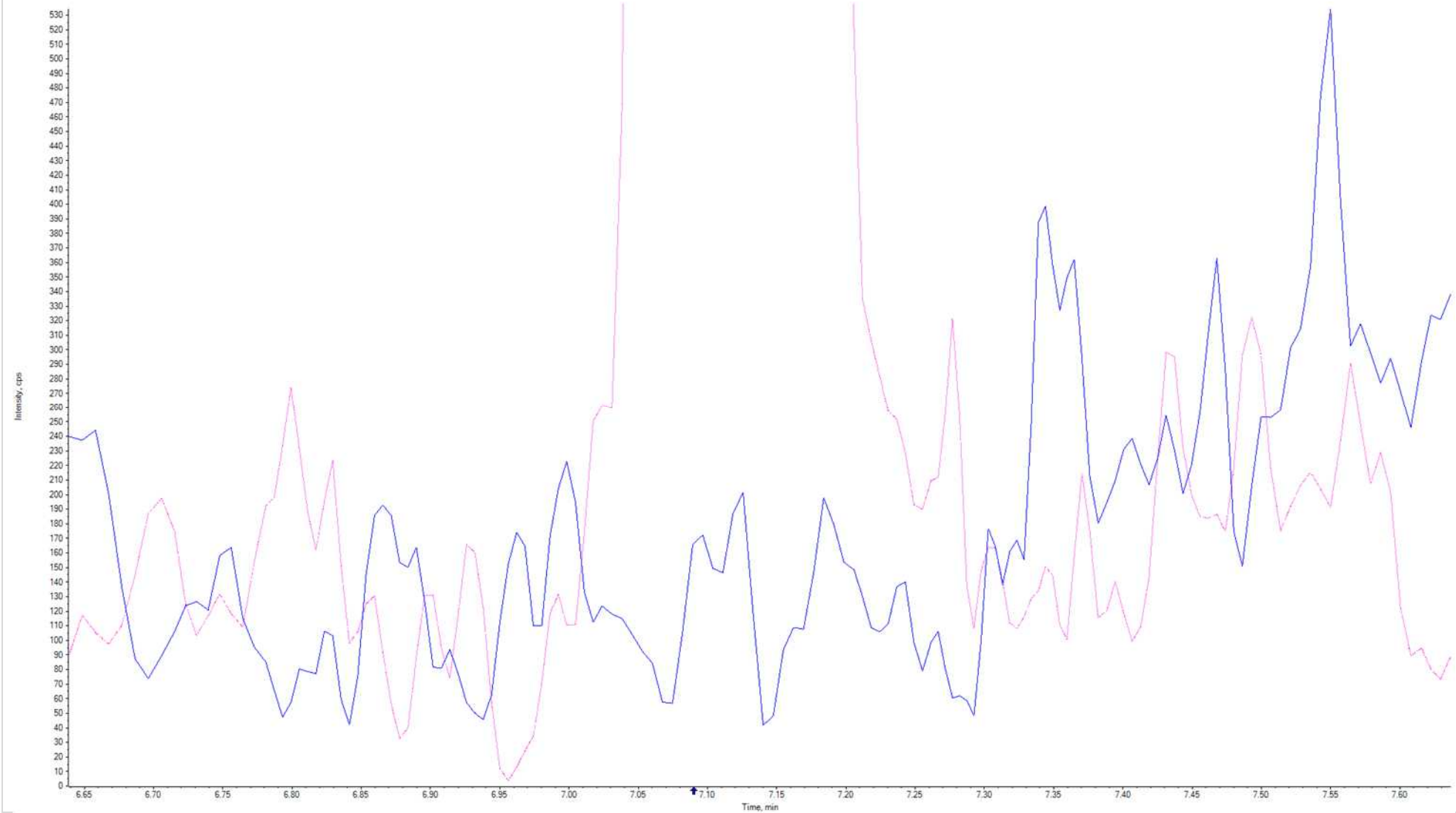
4:2FTS_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

6:2FTS
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

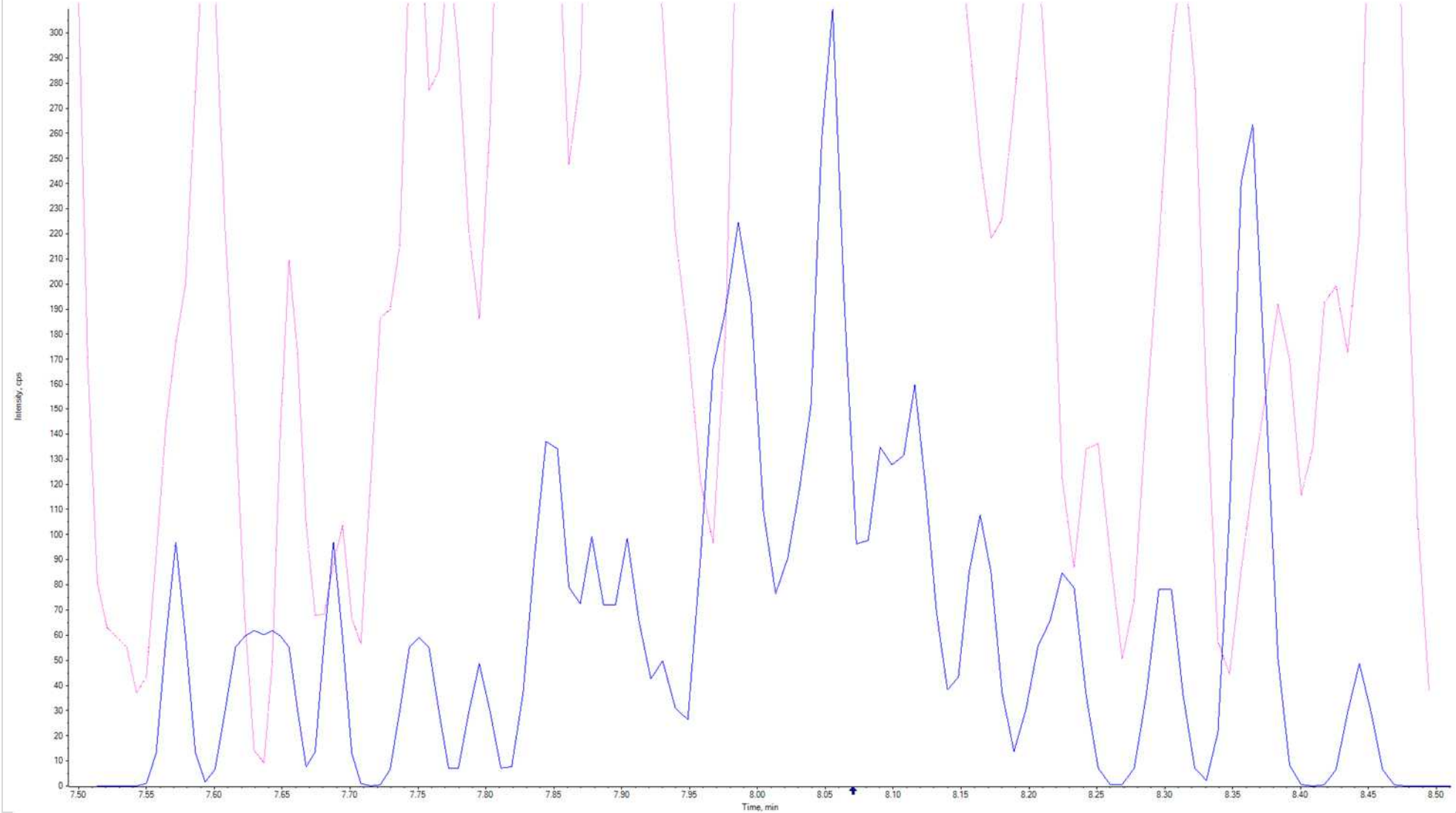


6:2FTS_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

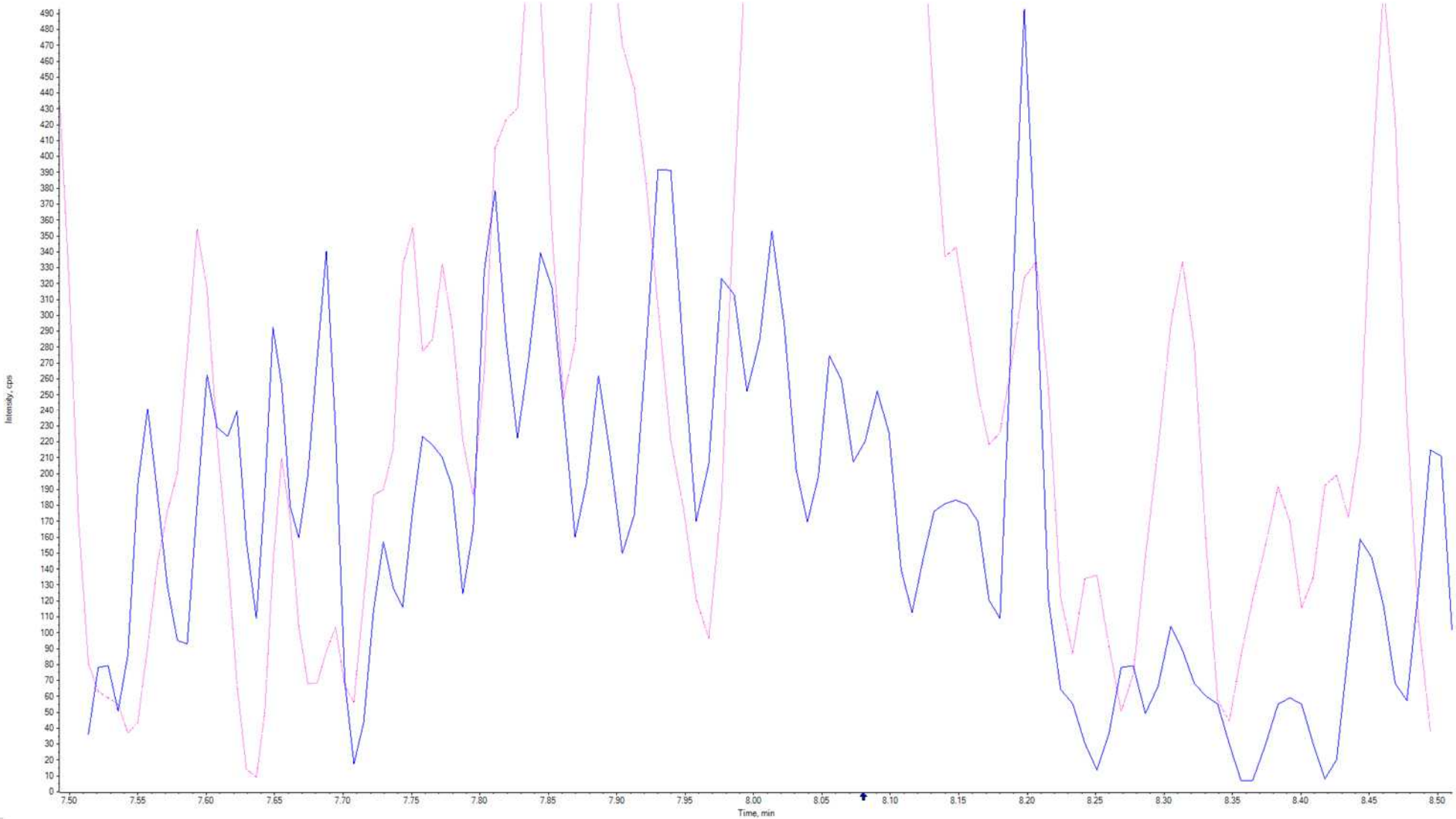


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

8:2FTS
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

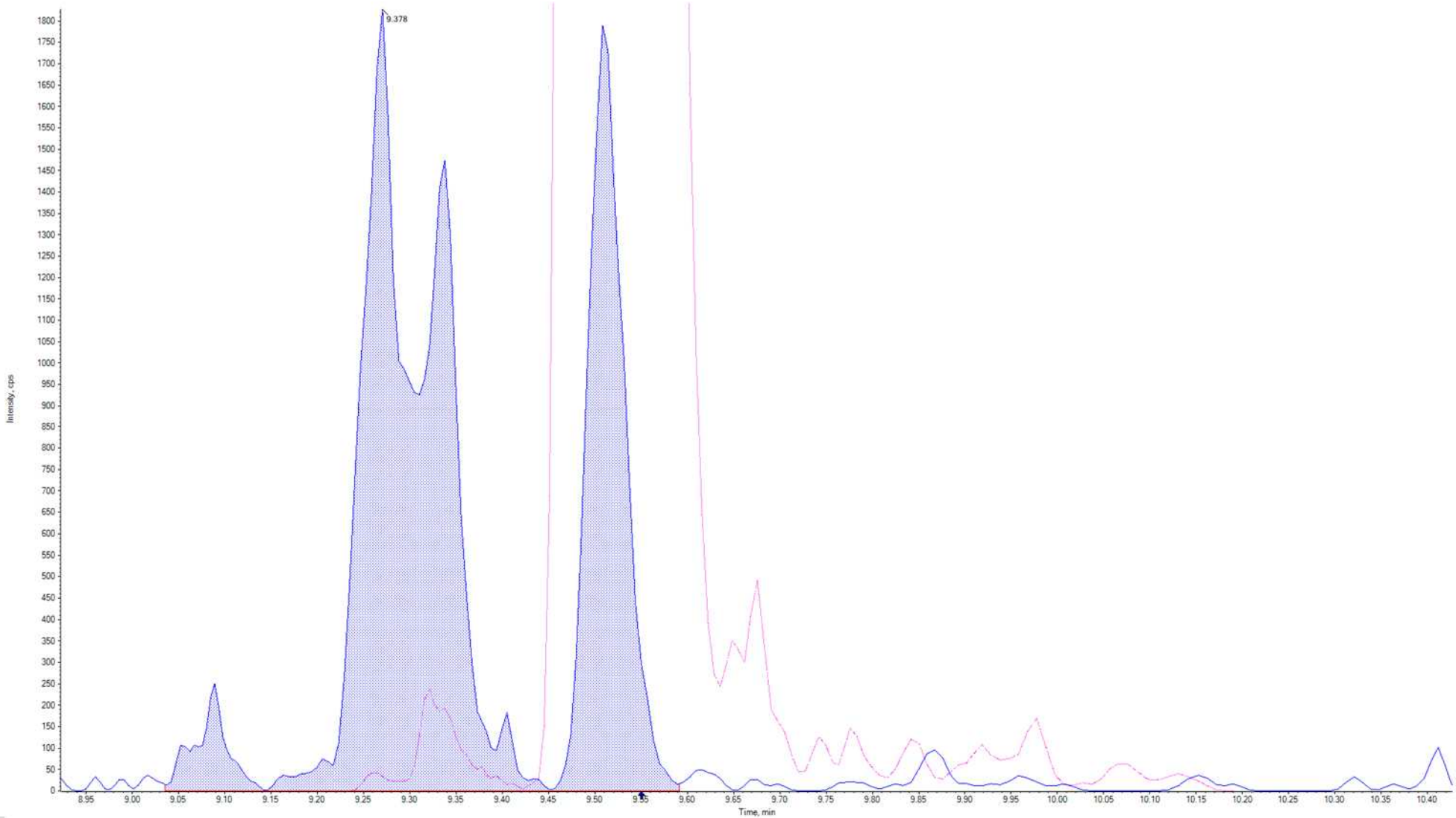


8:2FTS_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



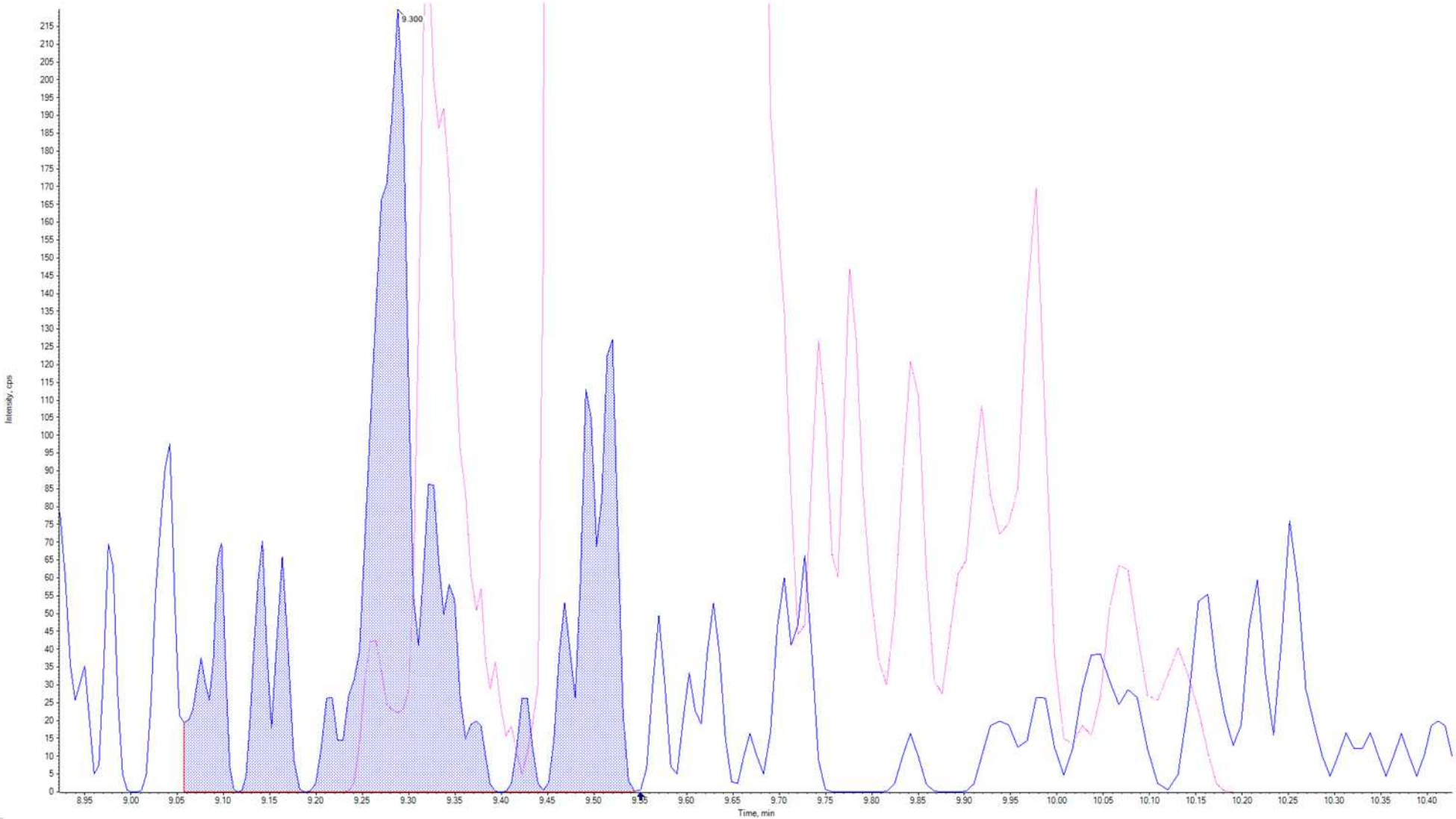
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOSA
Sample: L2447503-08 S/N:1725294.8 Points Across peak:103



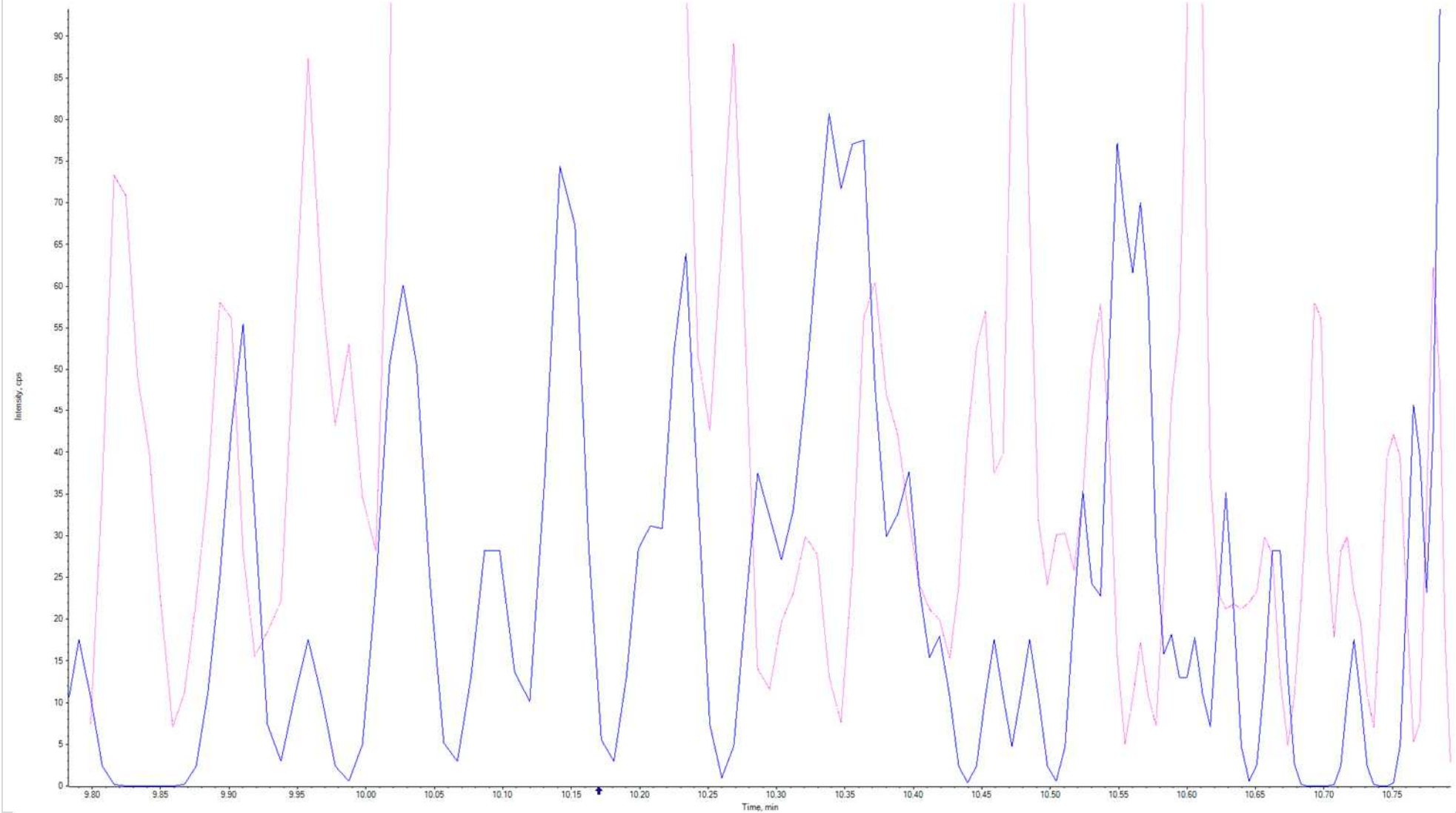
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOSA_2
Sample: L2447503-08 S/N:209490.1 Points Across peak:90

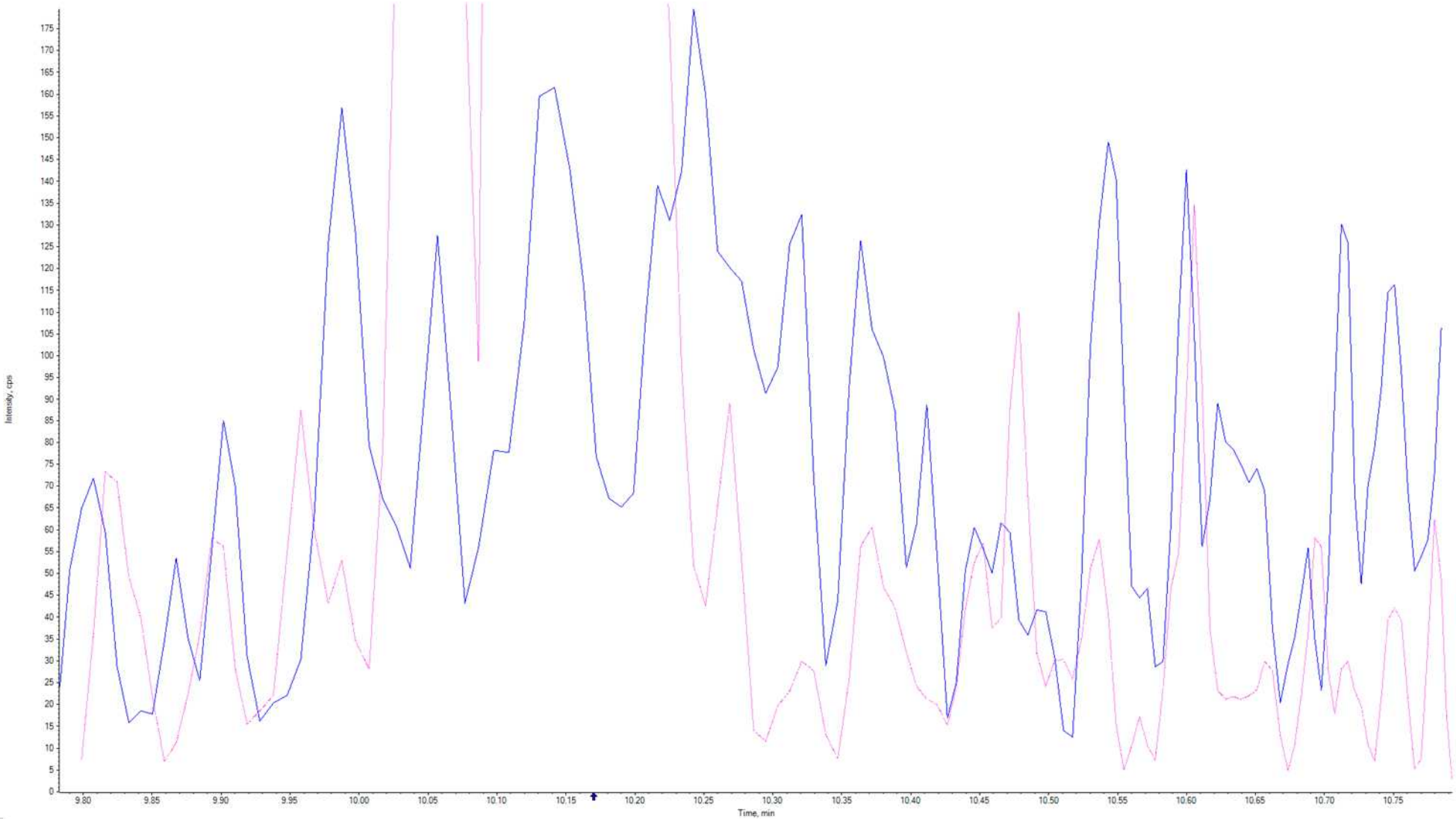


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

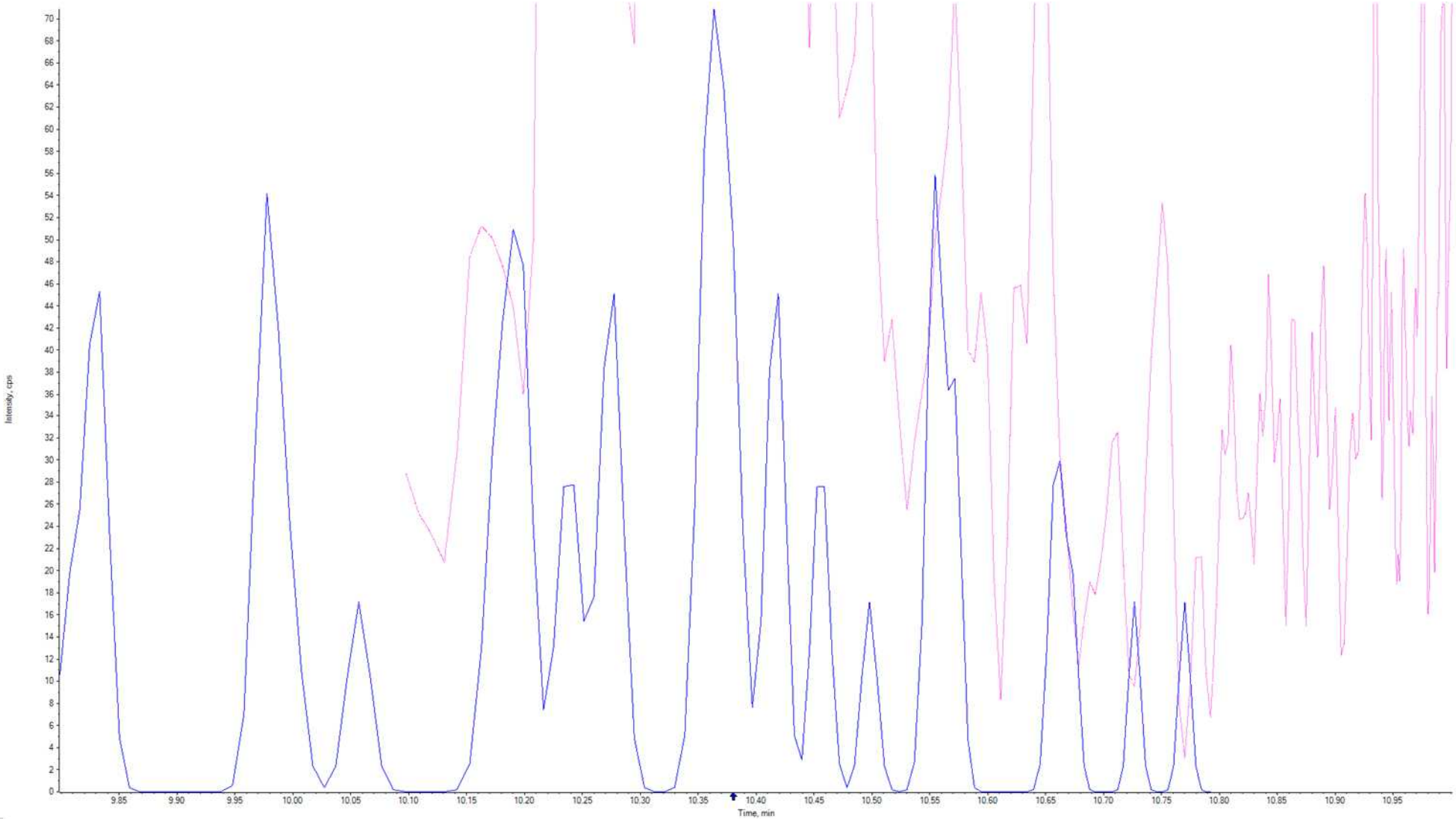


NMeFOSA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



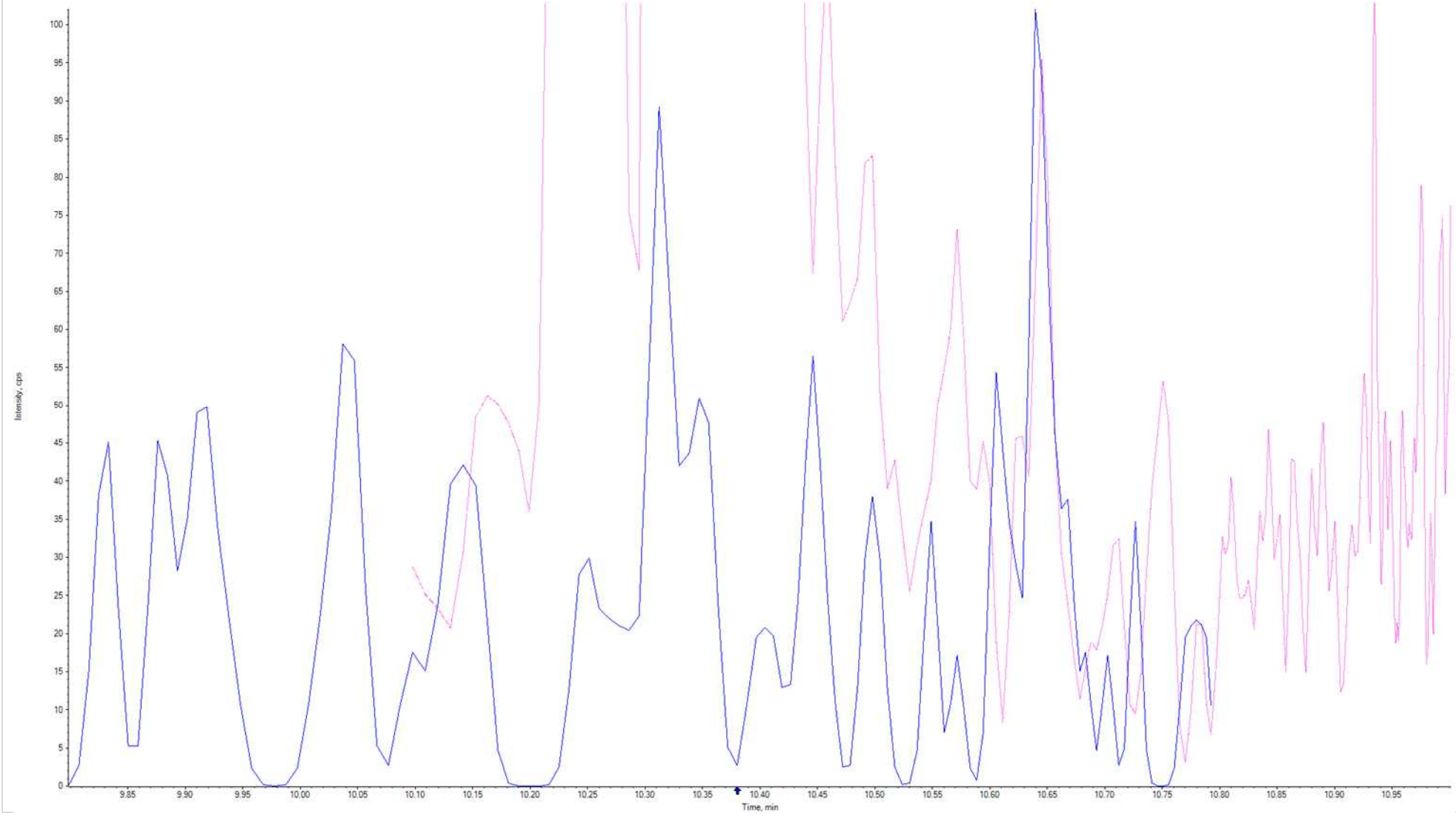
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



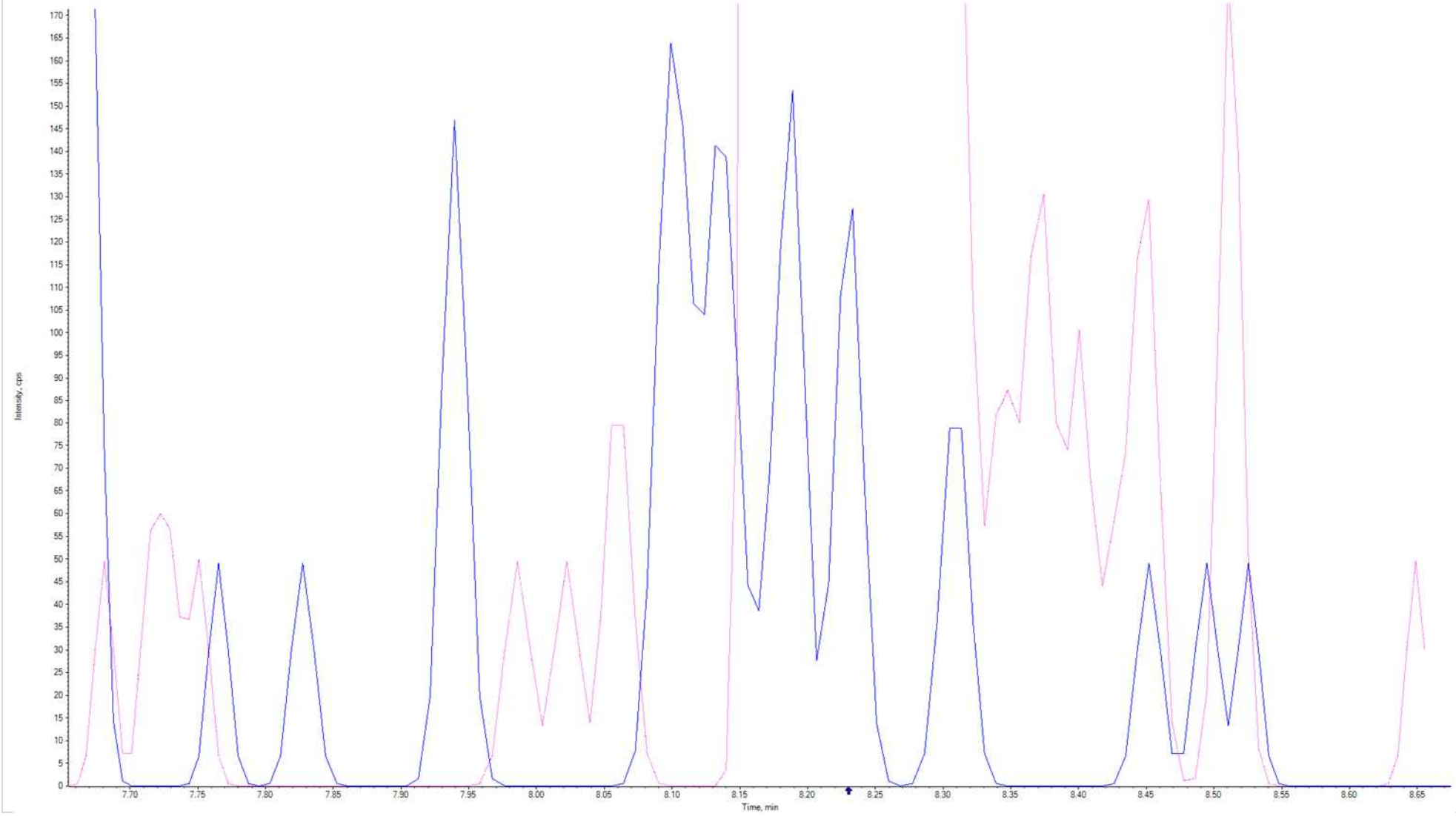
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



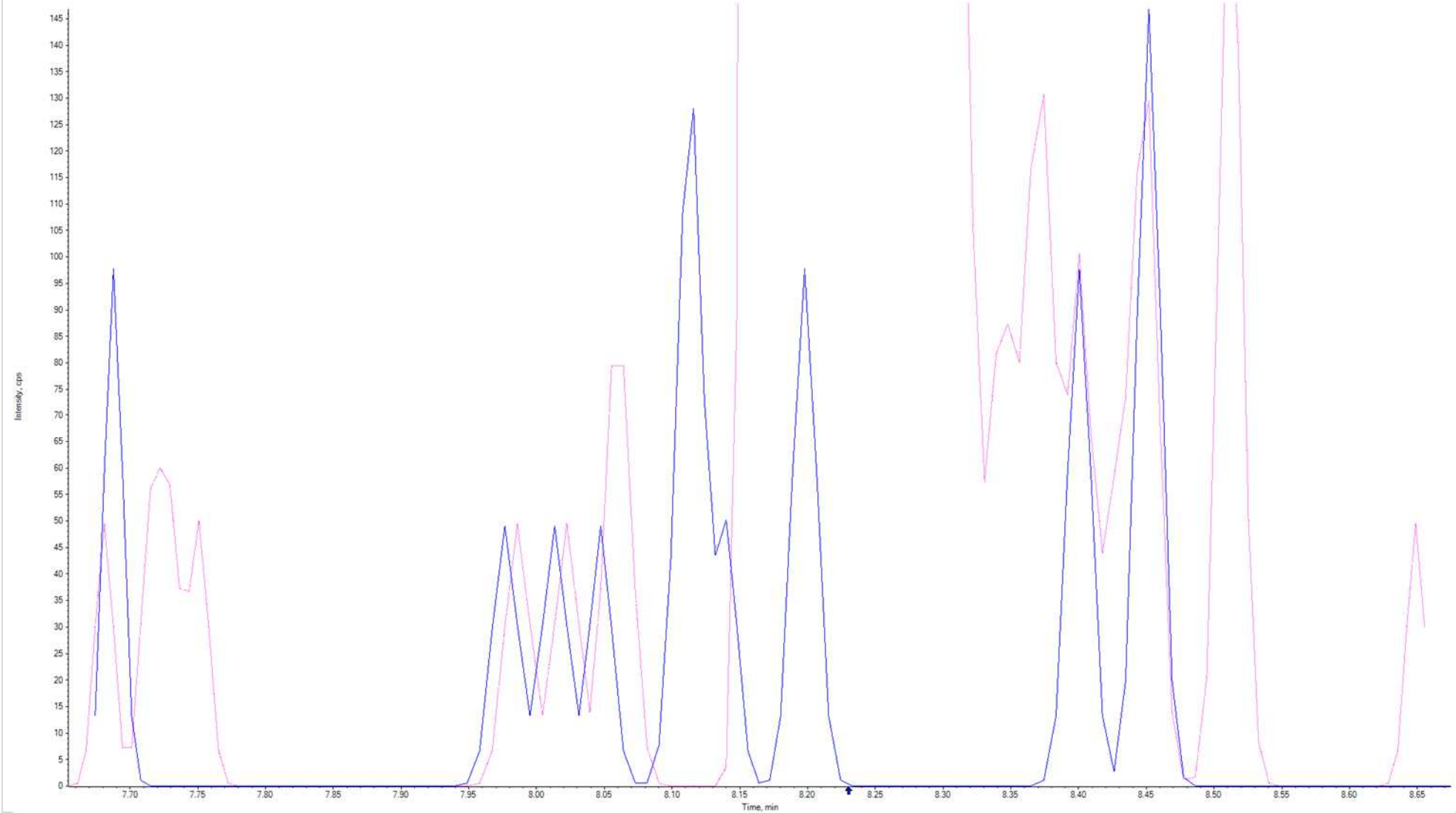
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSAA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

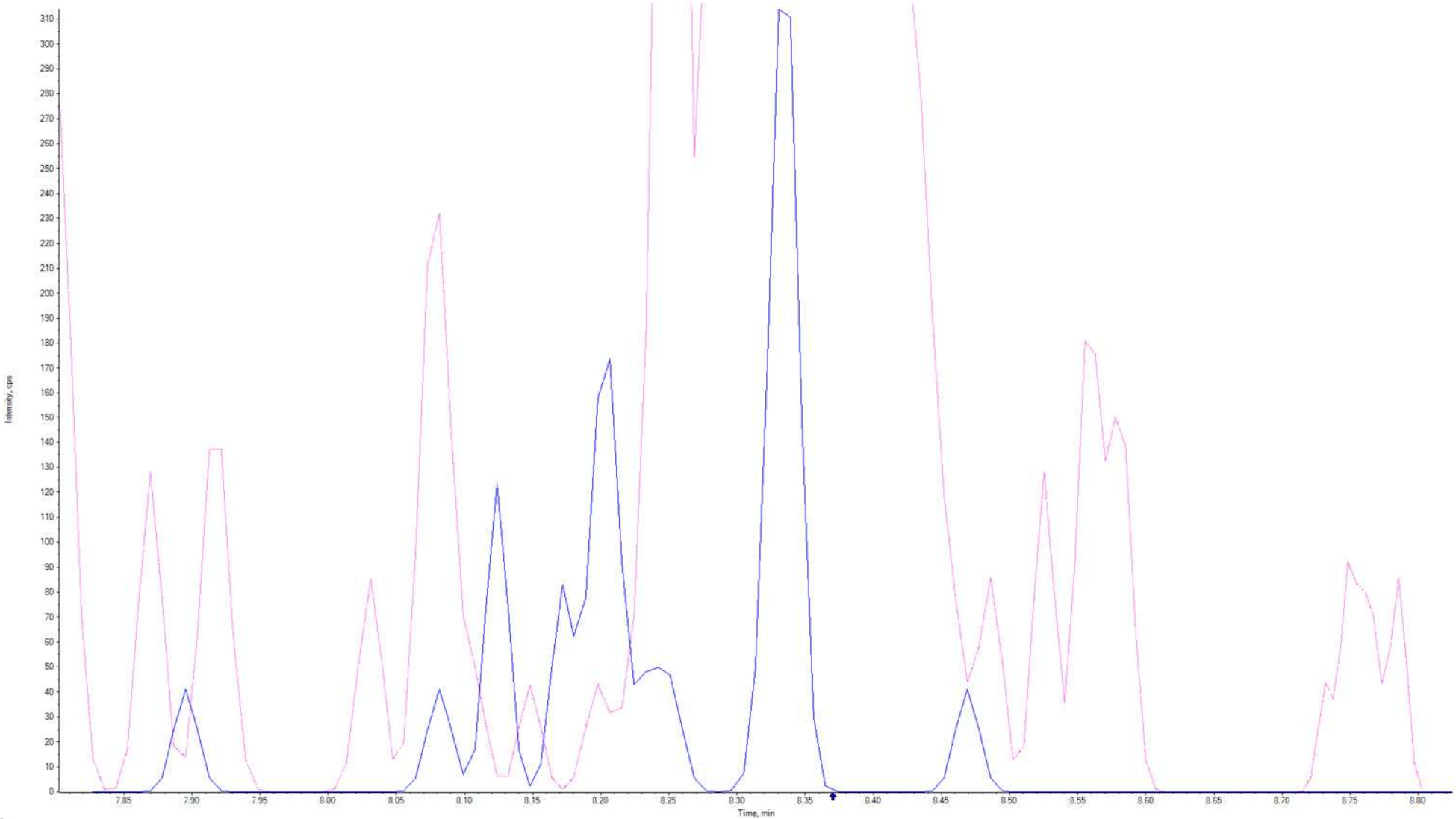


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSAA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

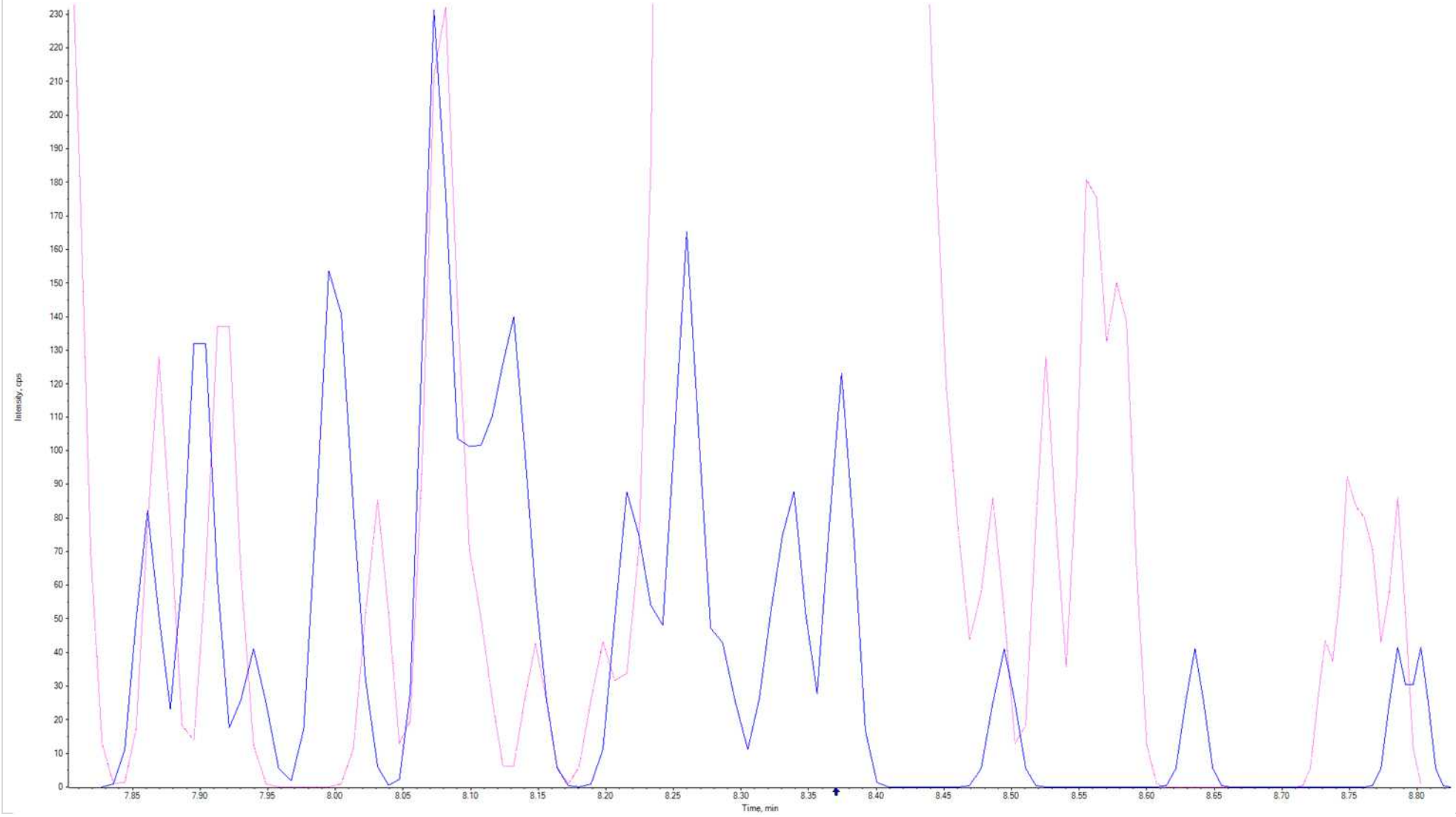


NEtFOSAA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



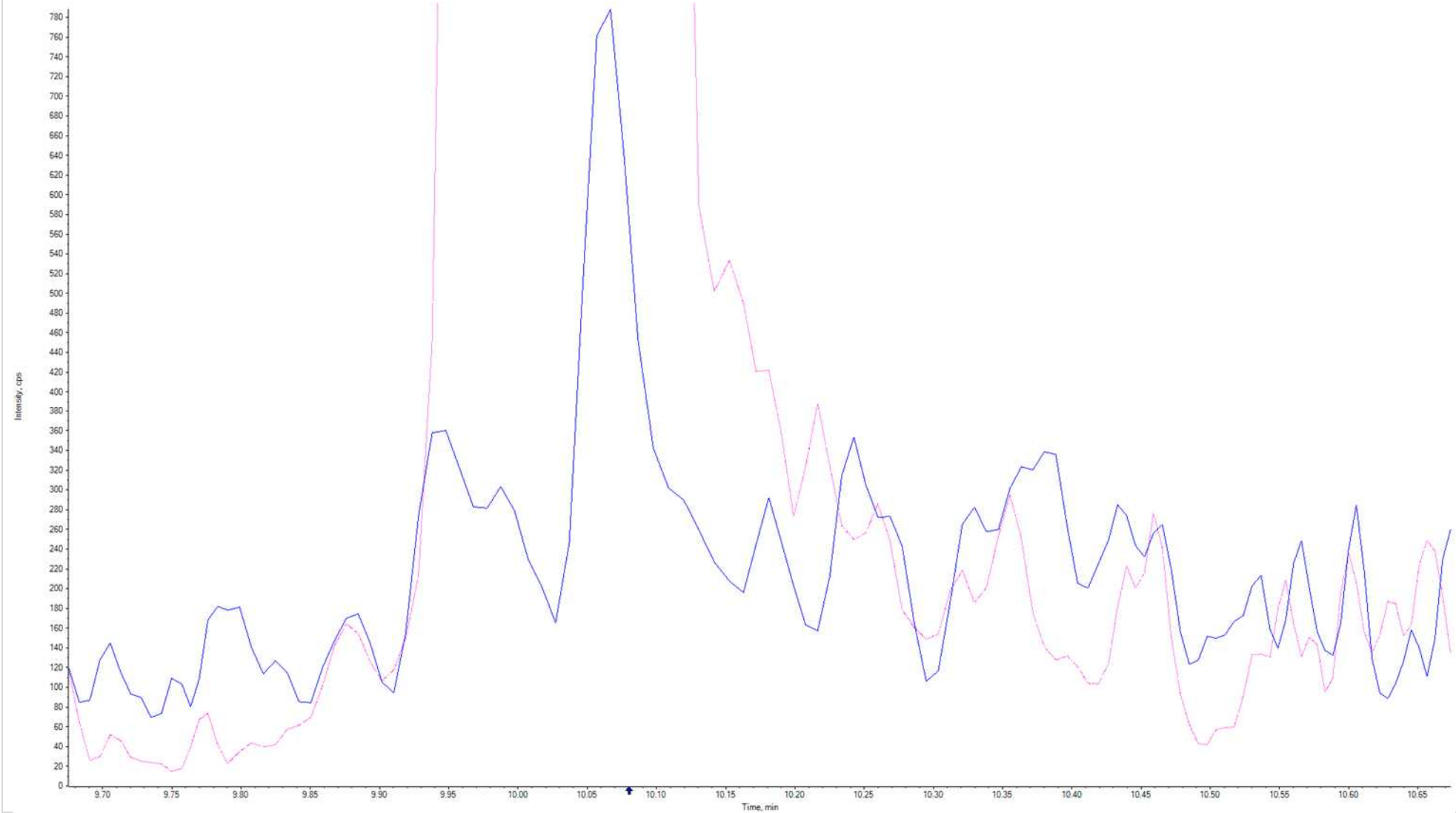
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSAA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



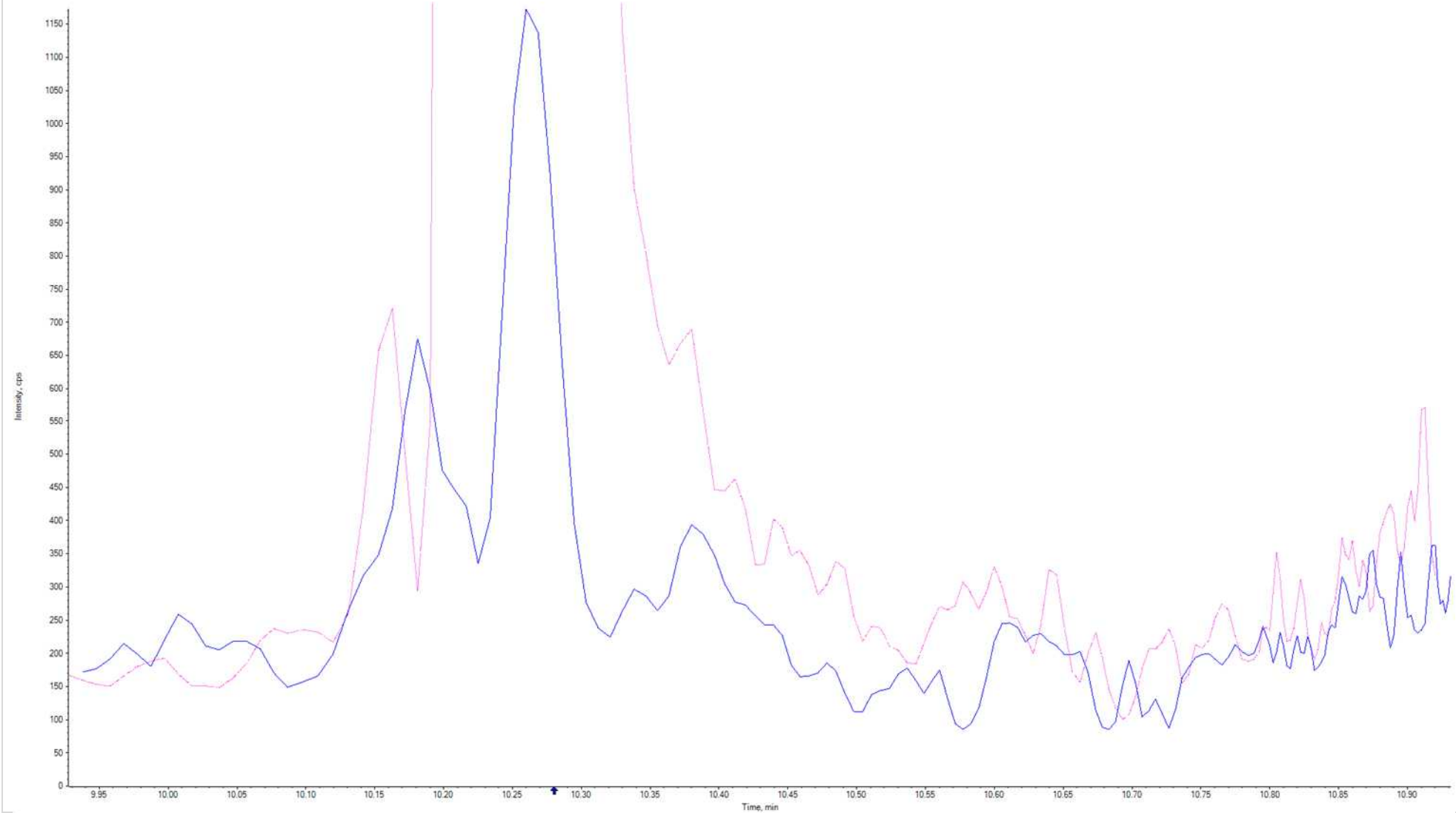
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSE
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



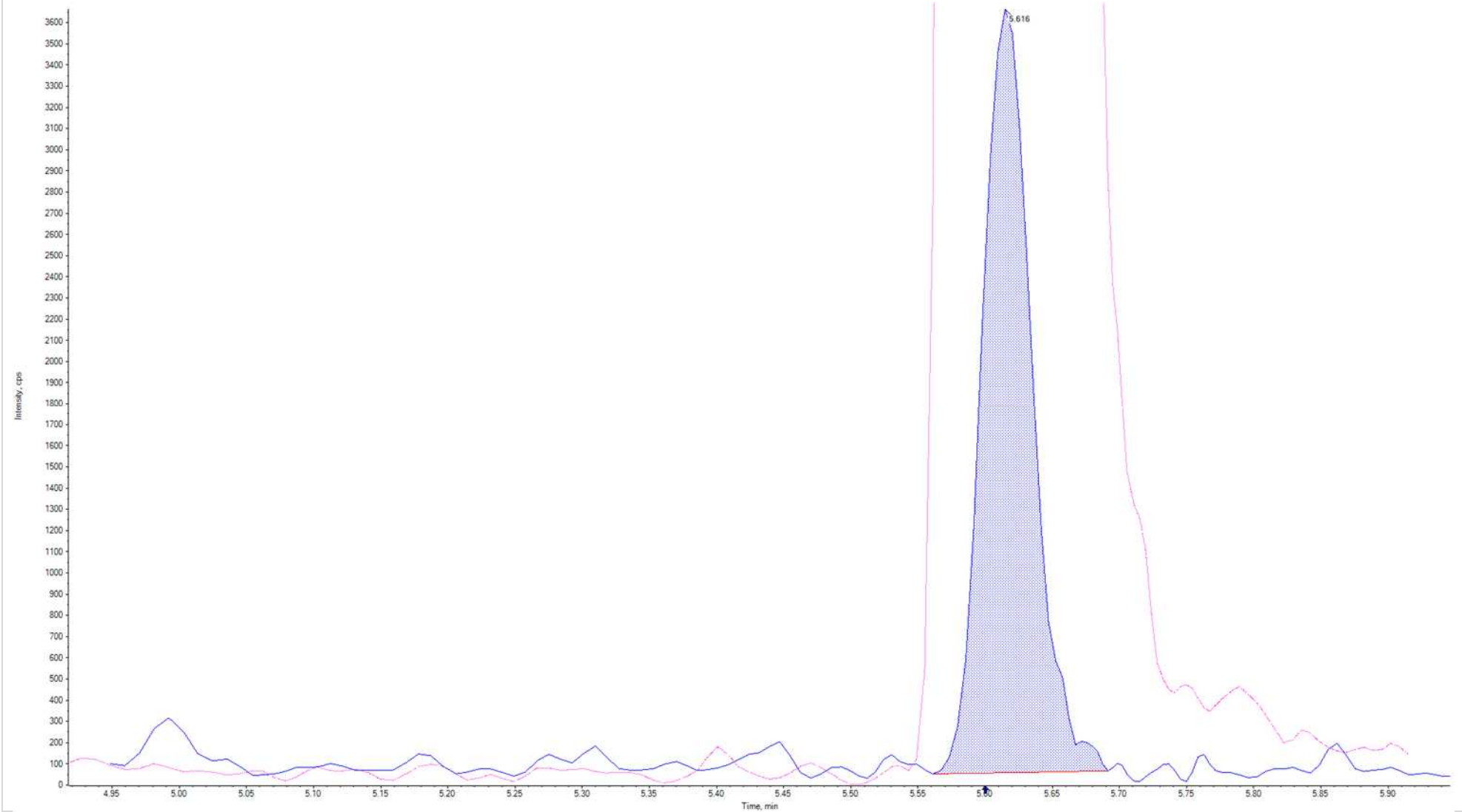
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSE
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



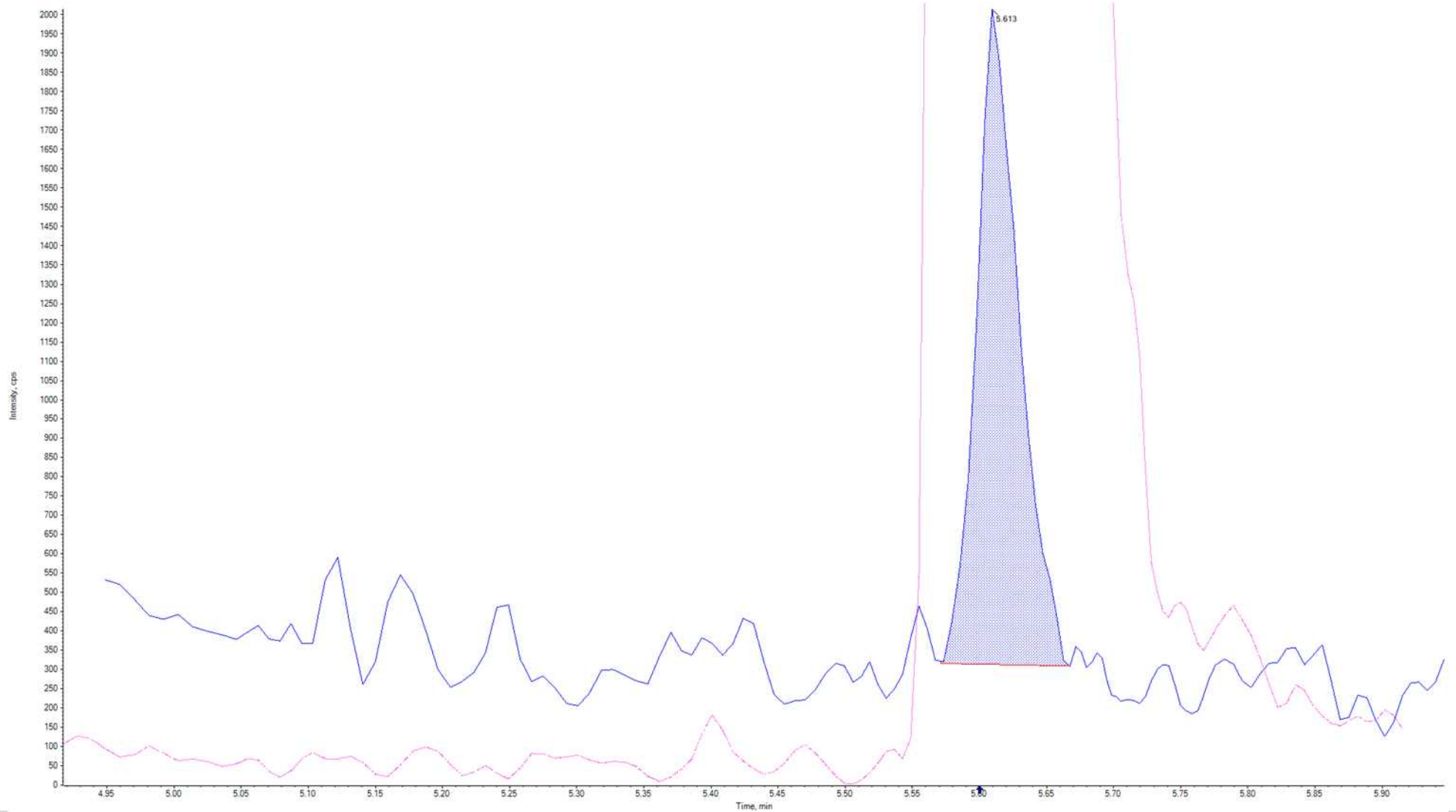
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

HFPO-DA
Sample: L2447503-08 S/N:316.4 Points Across peak:26



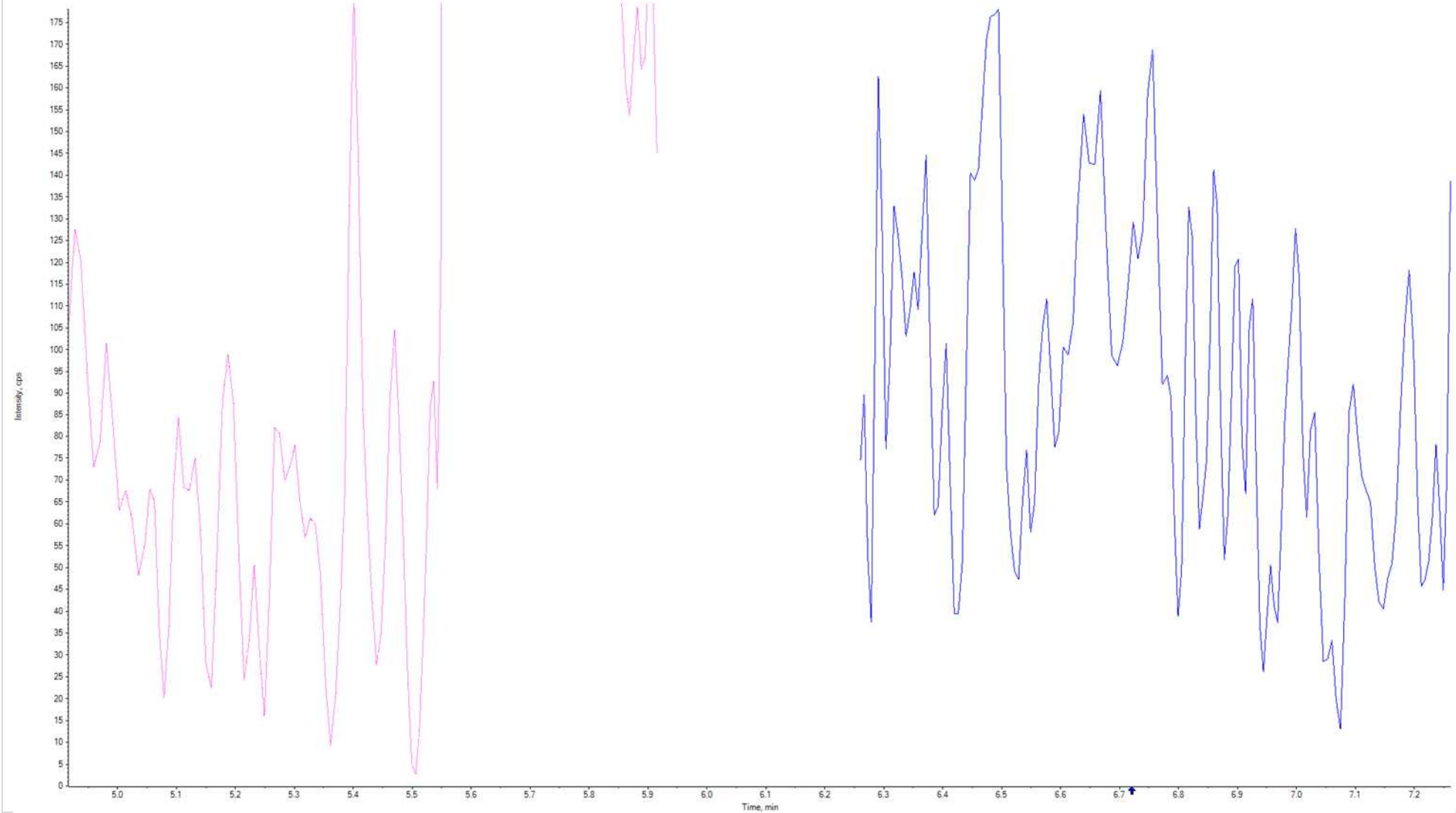
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

HFPO-DA_2
Sample: L2447503-08 S/N:64.7 Points Across peak:19



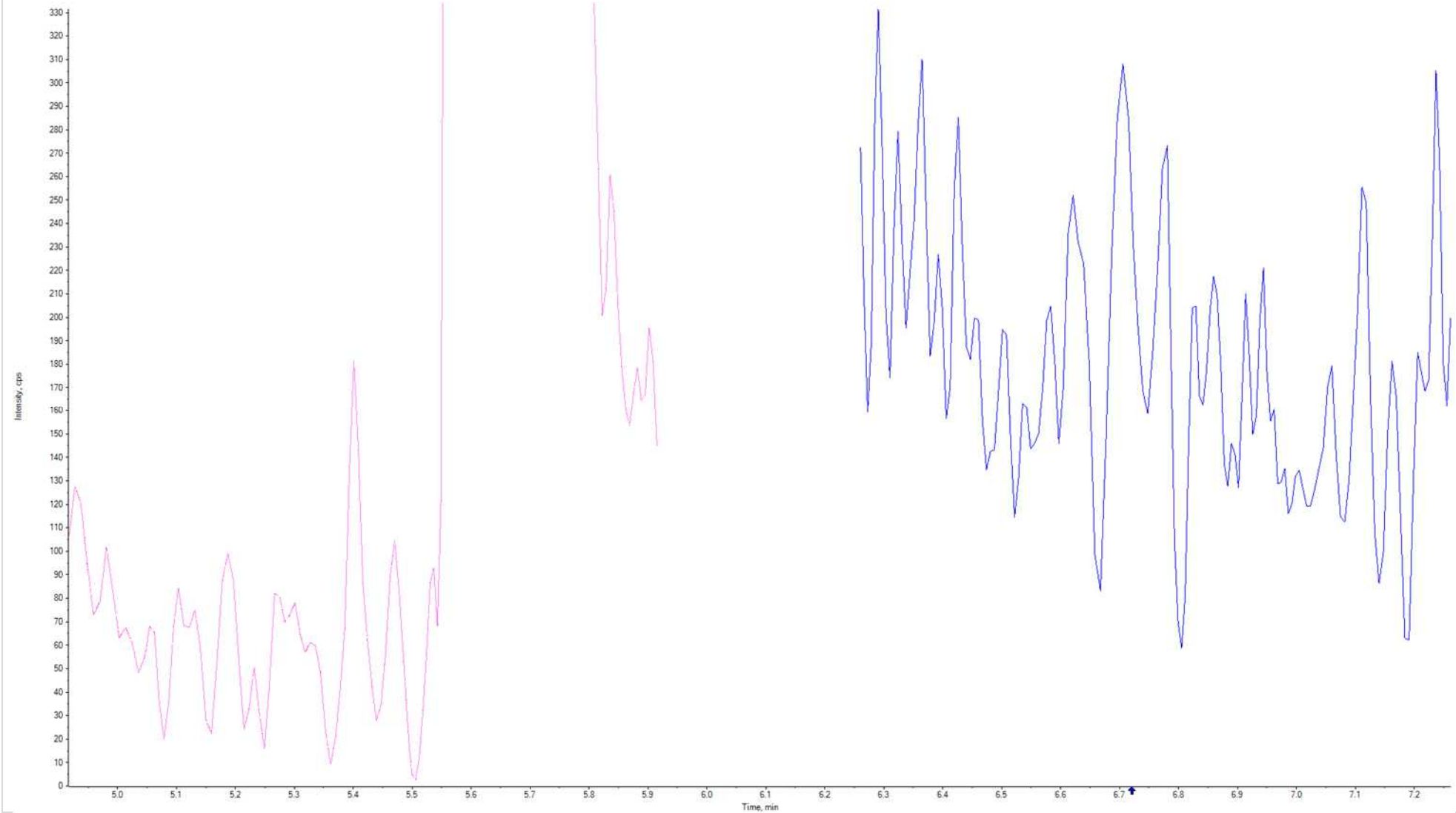
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

ADONA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



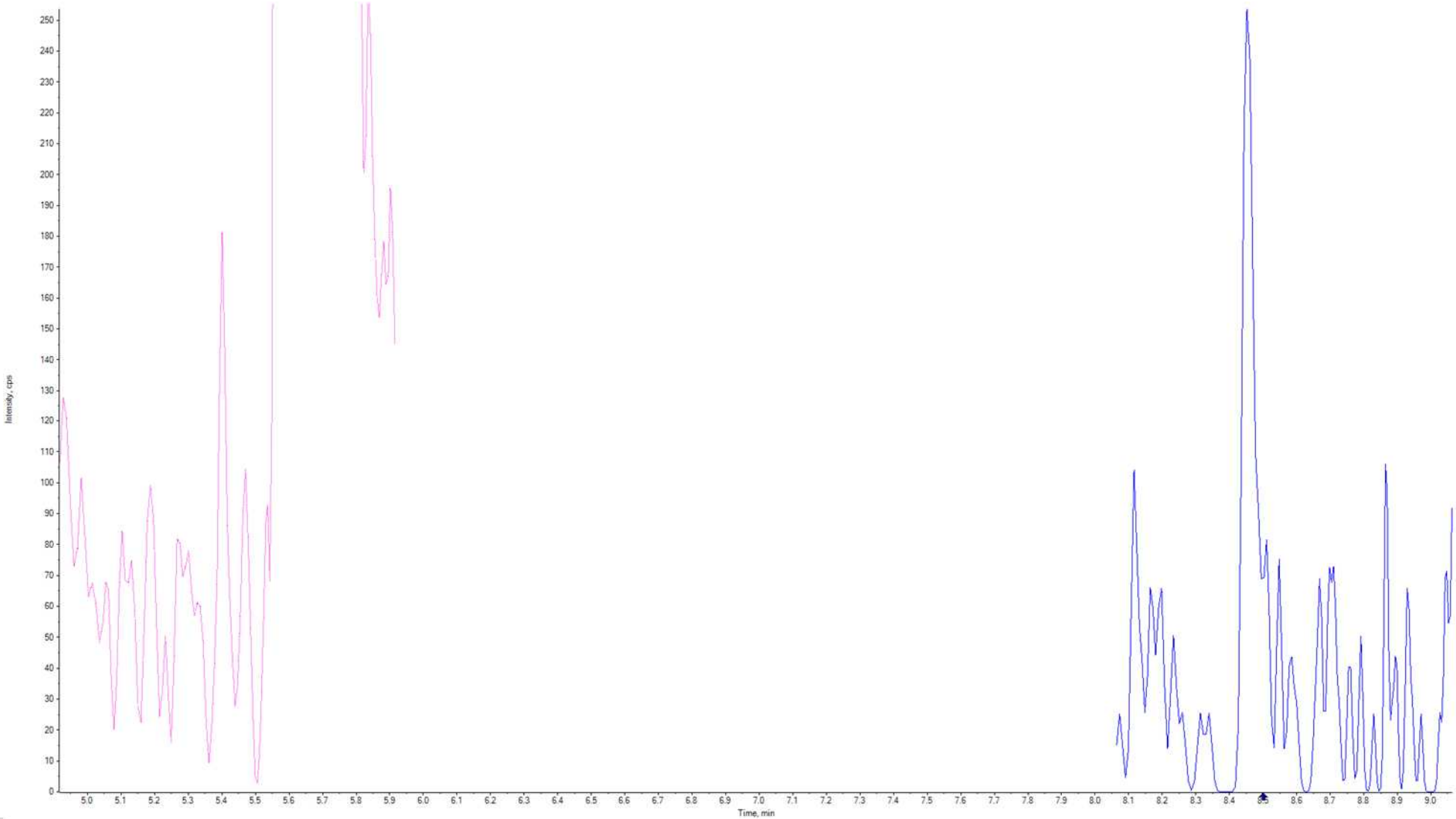
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

ADONA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



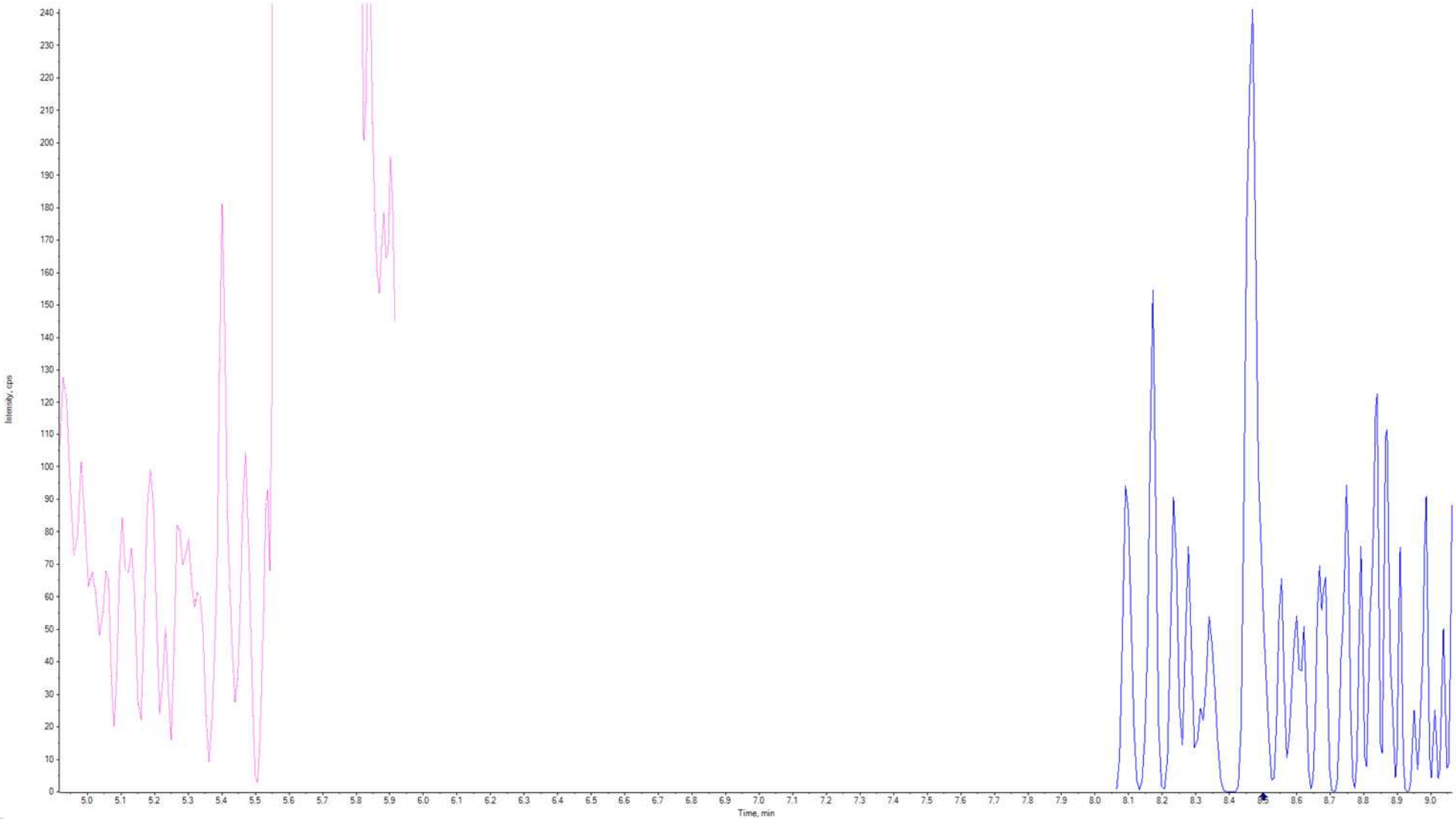
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

9Cl-PF3ONS
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

9Cl-PF3ONS_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

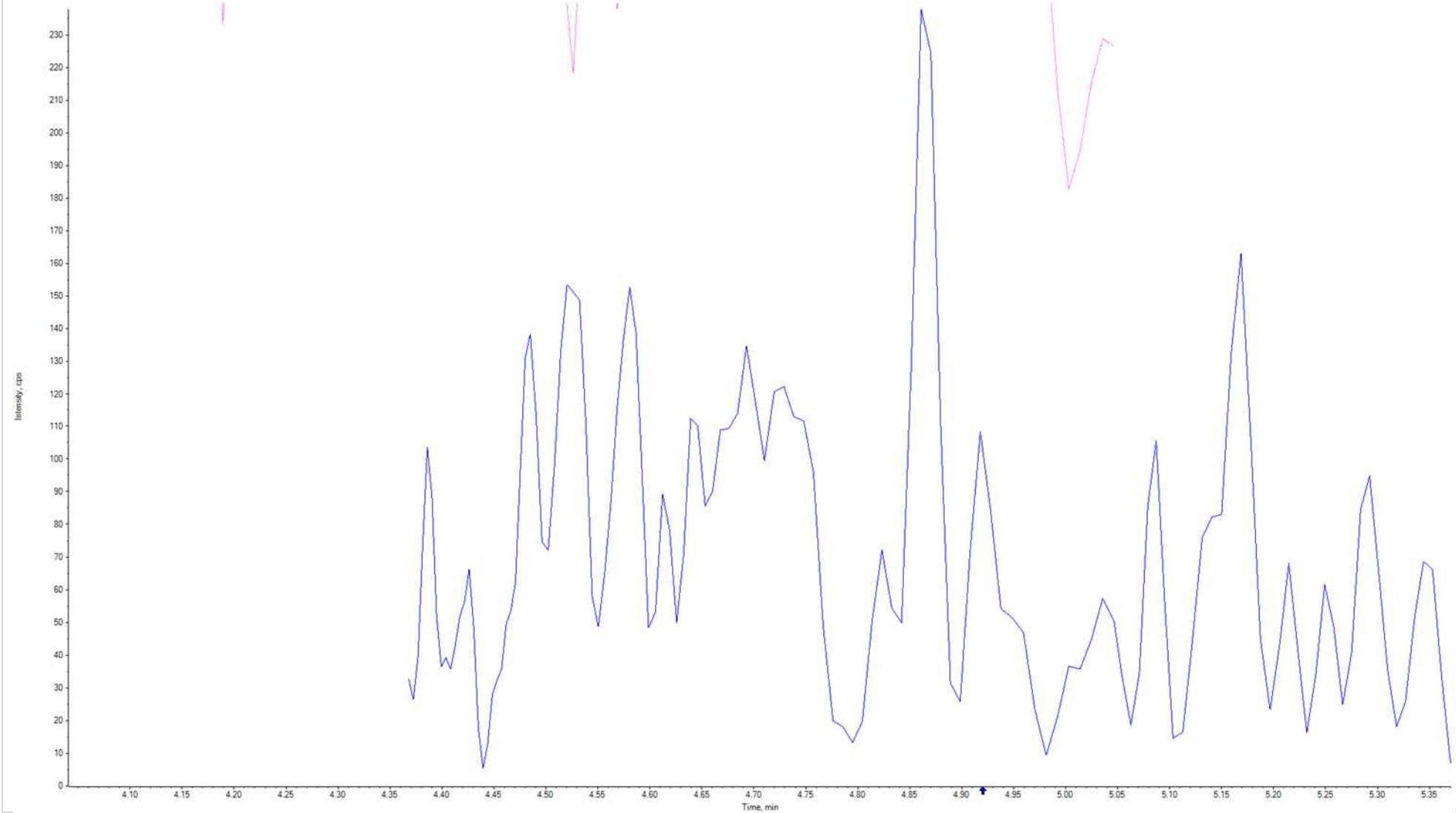
11Cl-PF3OUdS
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

11Cl-PF3OUdS_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

3:3FTCA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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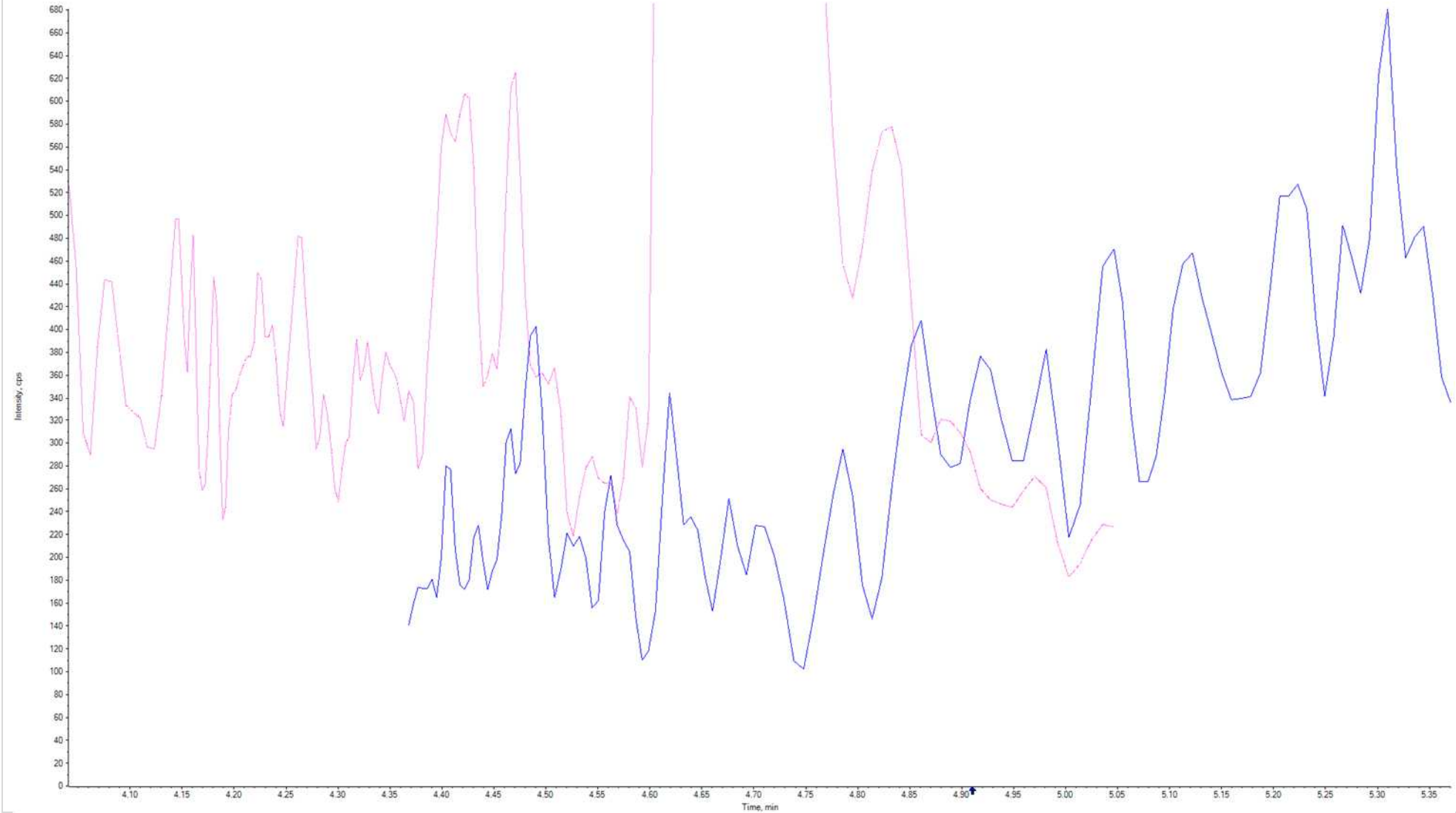
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

3:3FTCA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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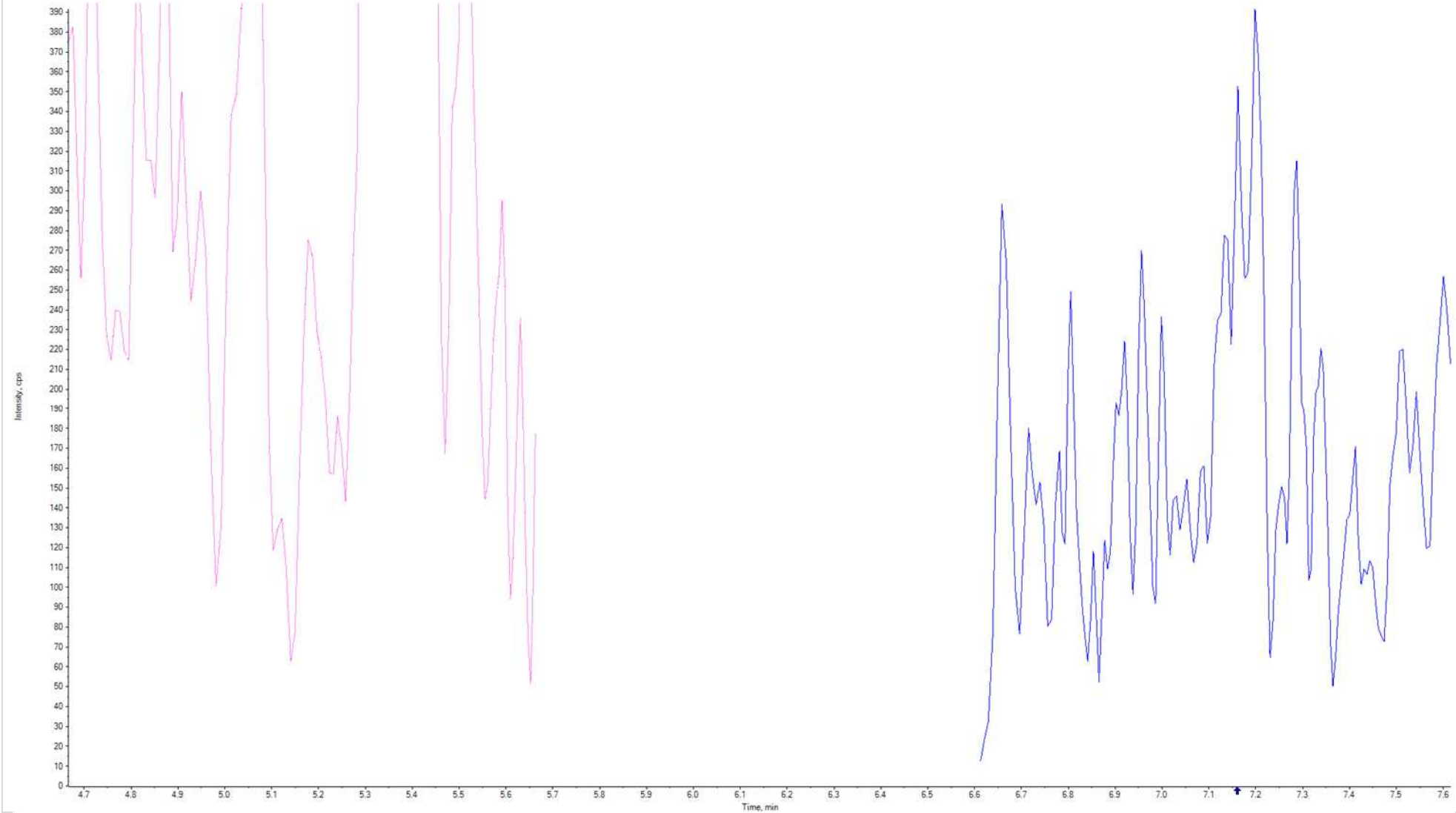
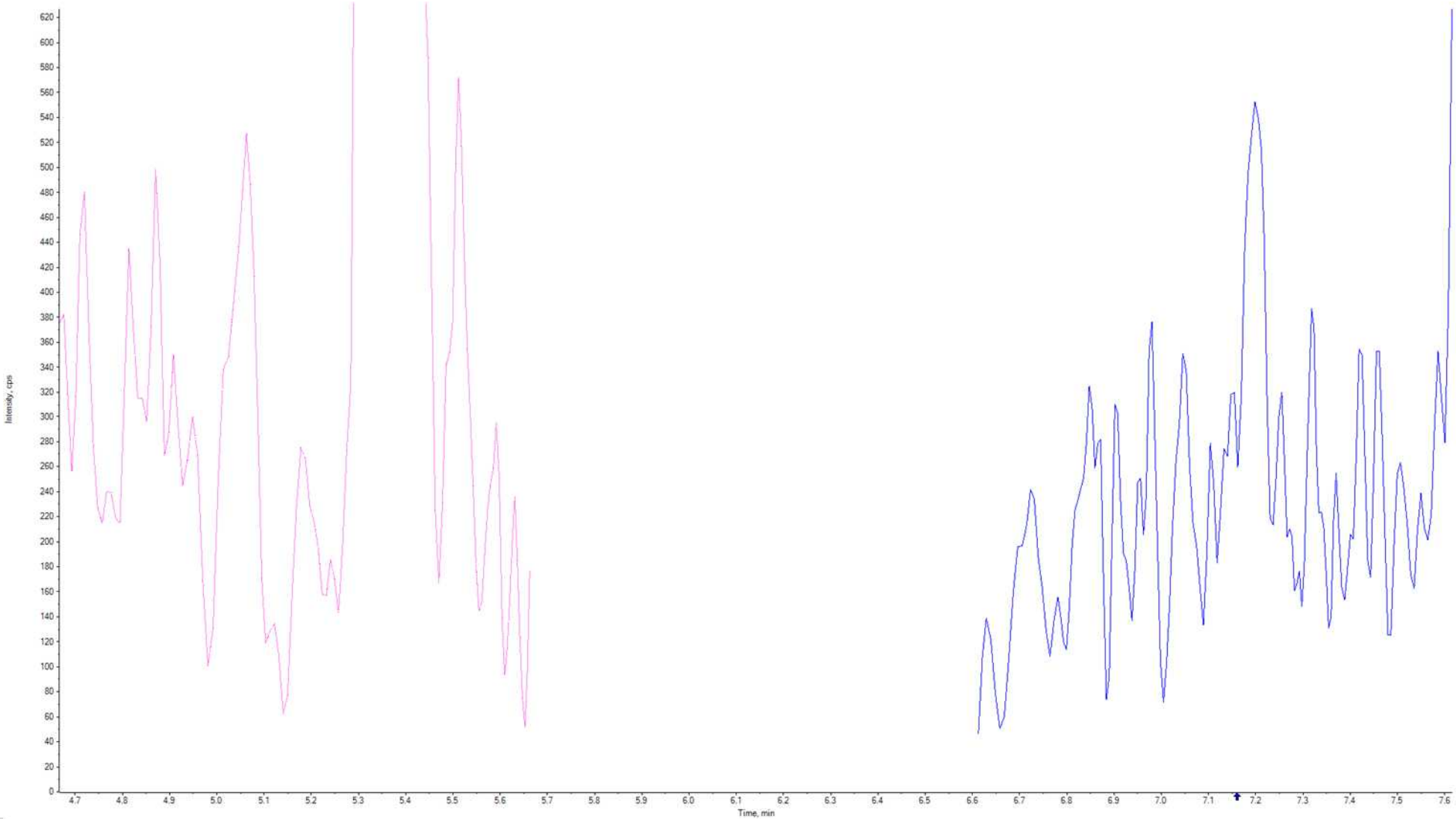
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

5:3FTCA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



5:3FTCA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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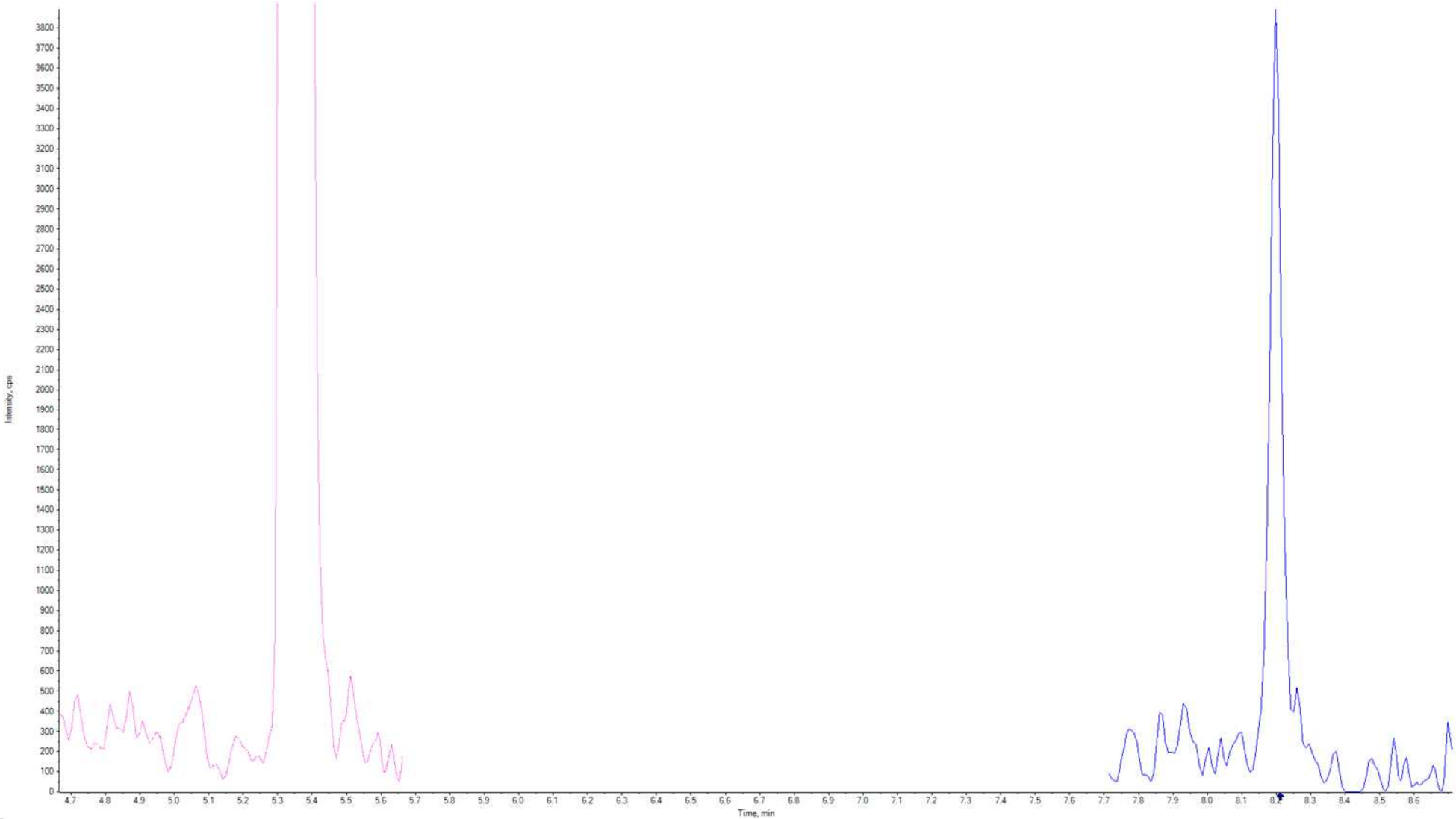
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

7:3FTCA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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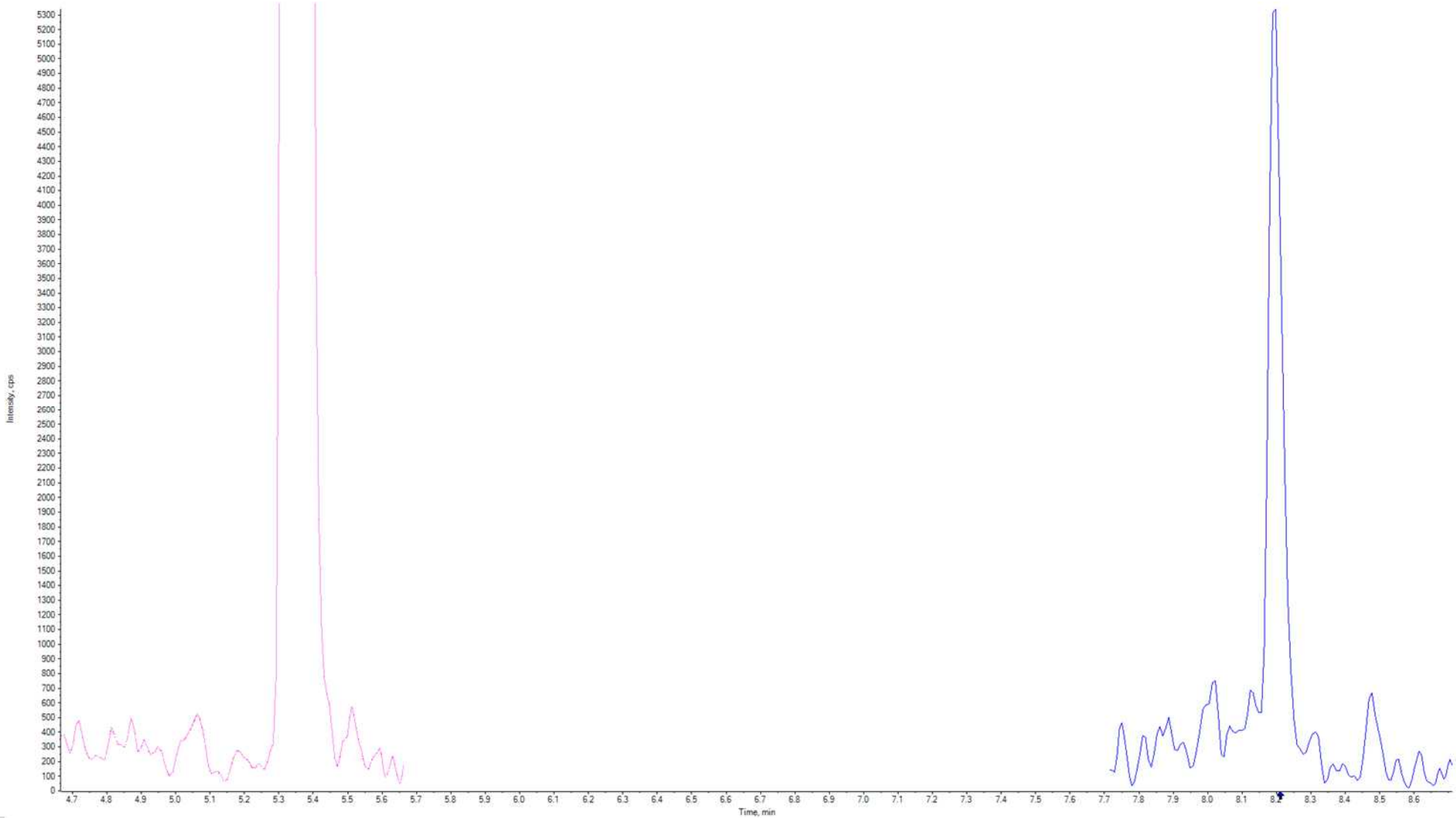
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

7:3FTCA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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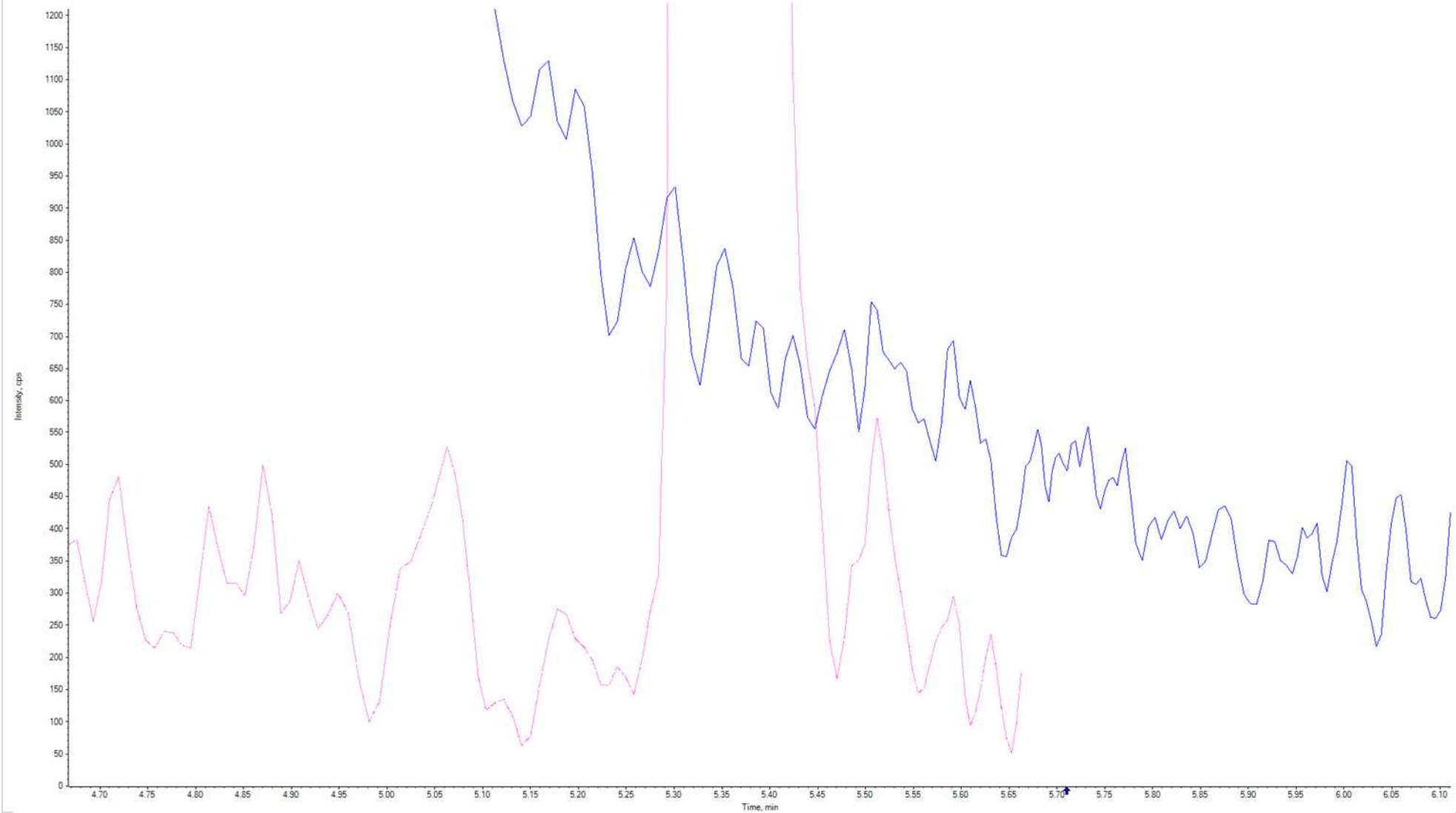
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFEESA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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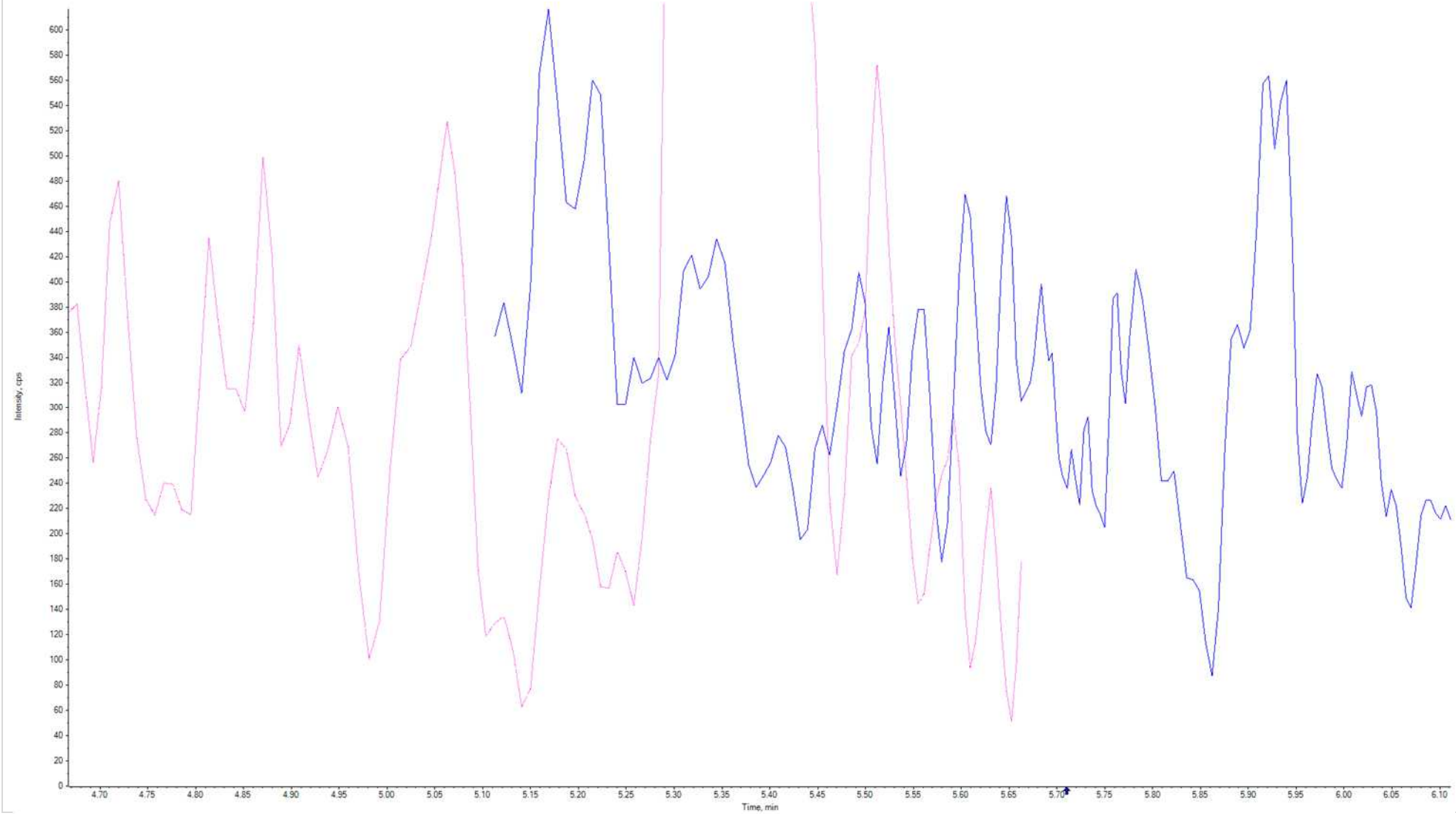
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFEESA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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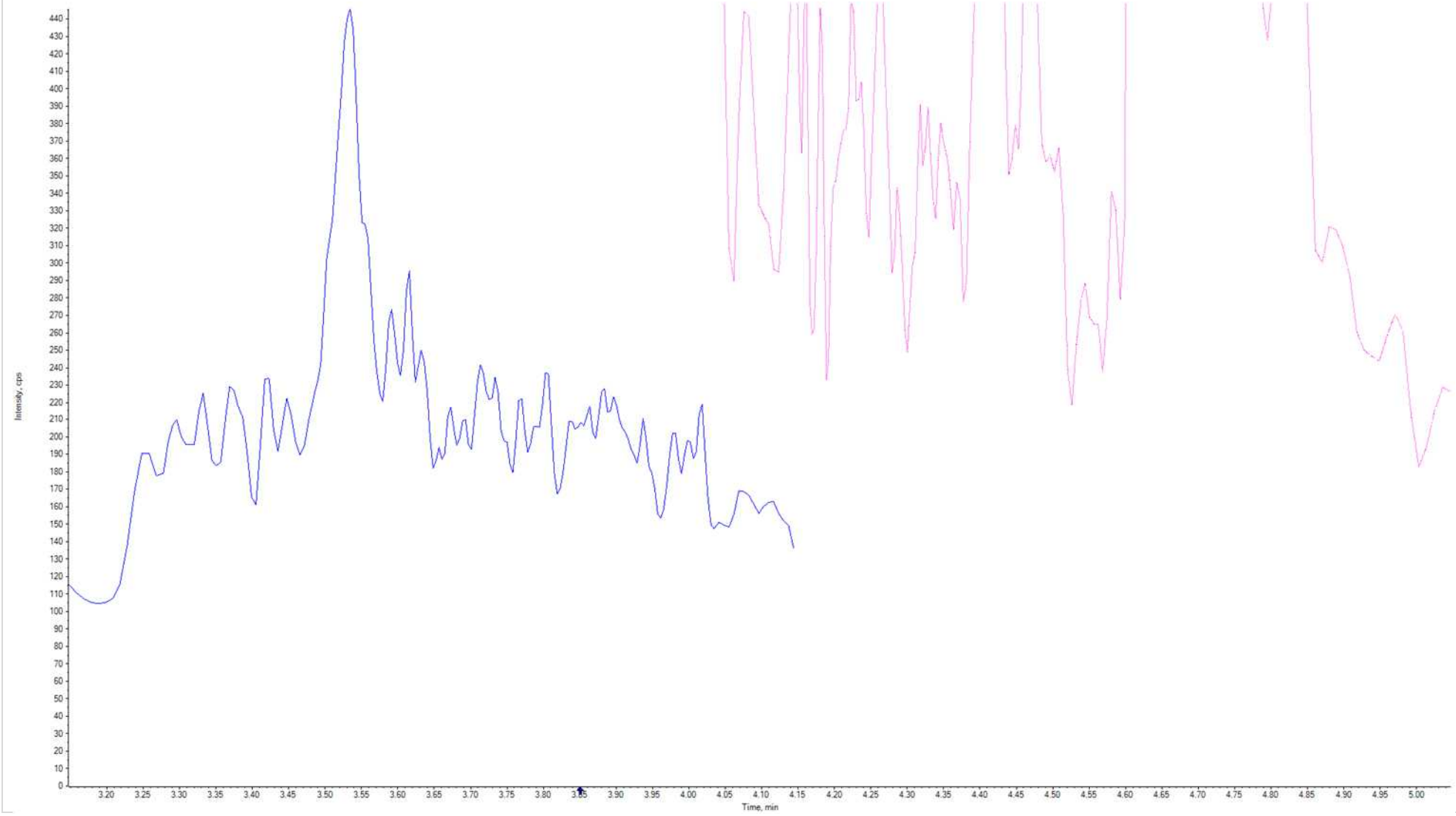
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFMPA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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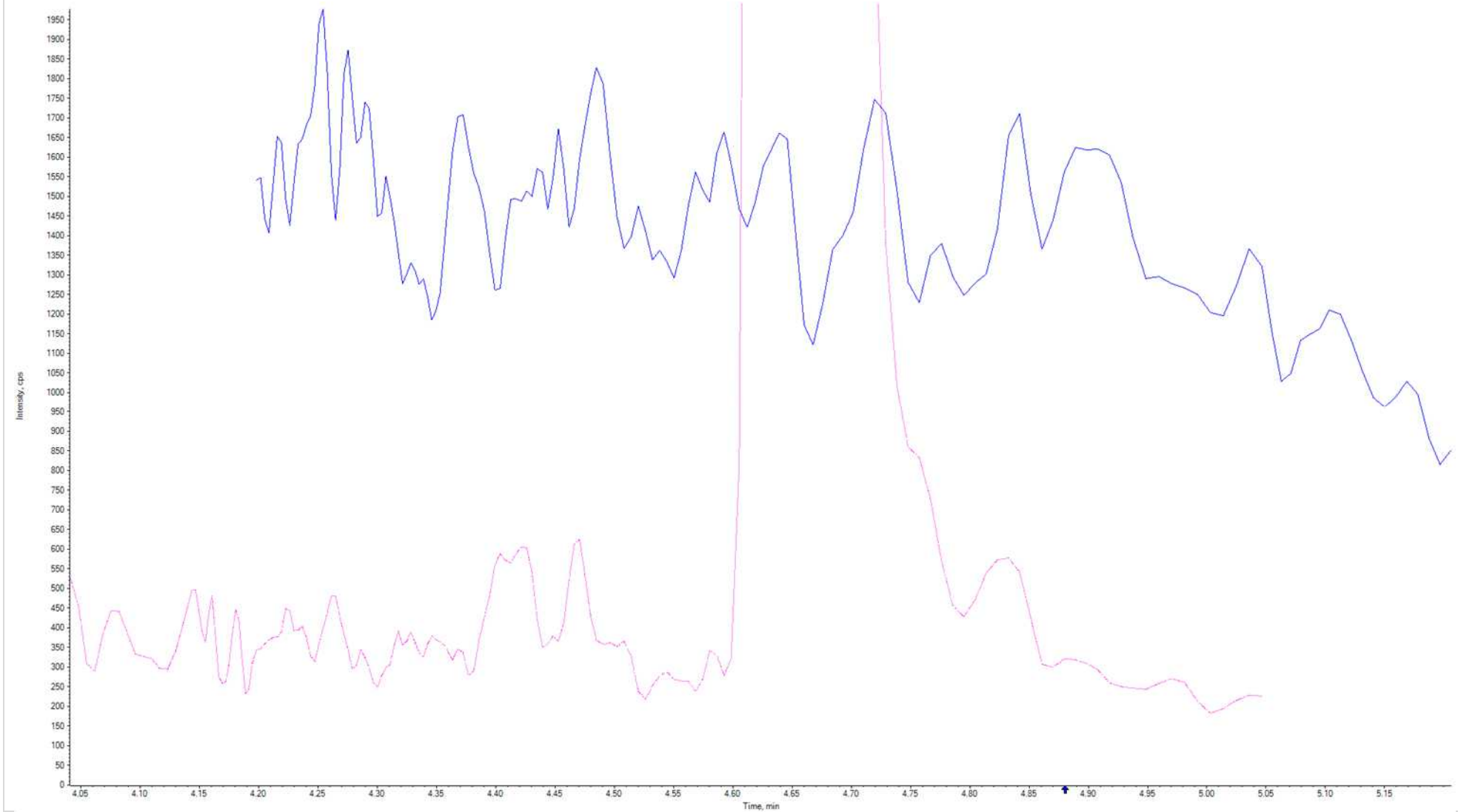
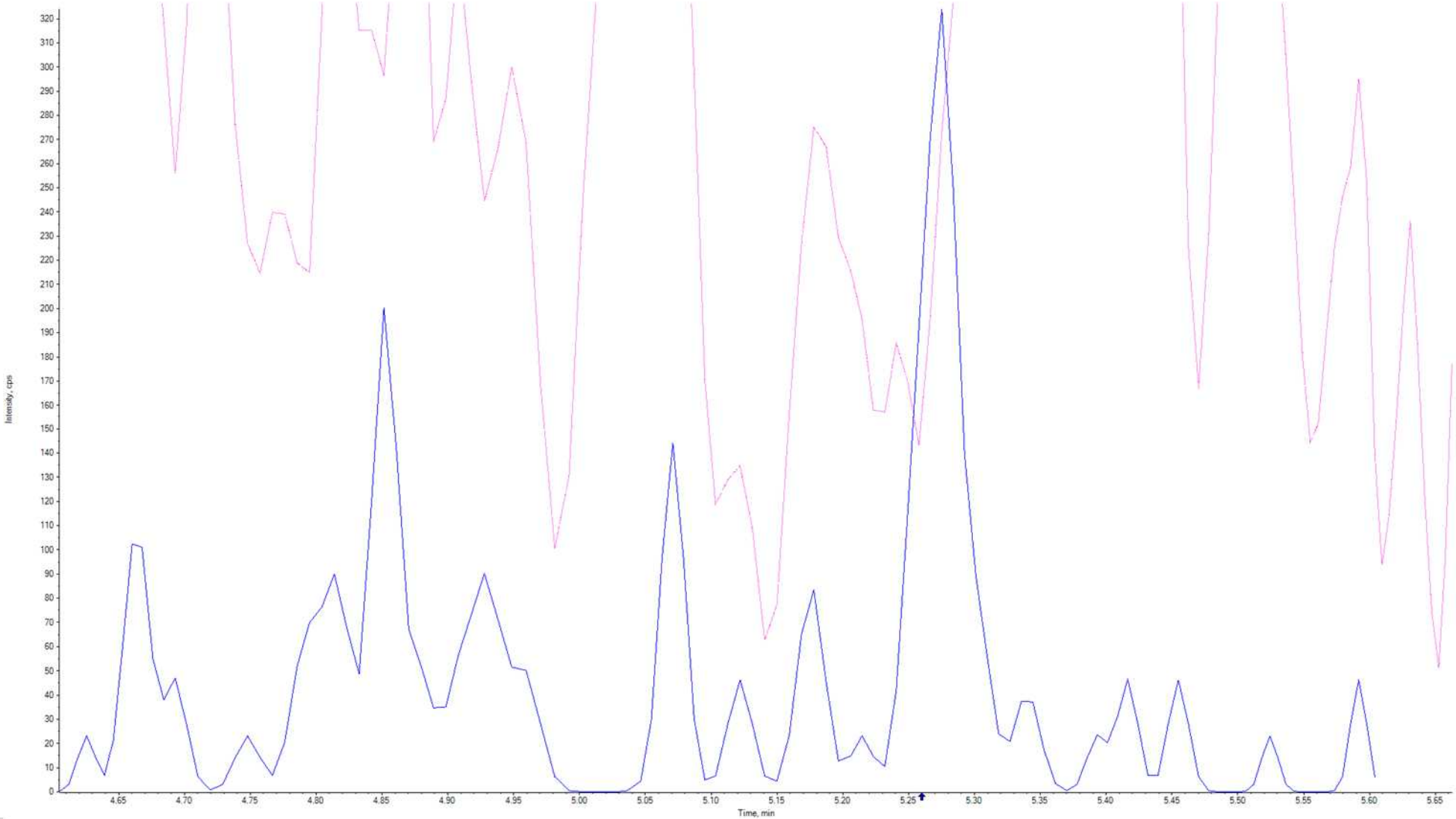
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

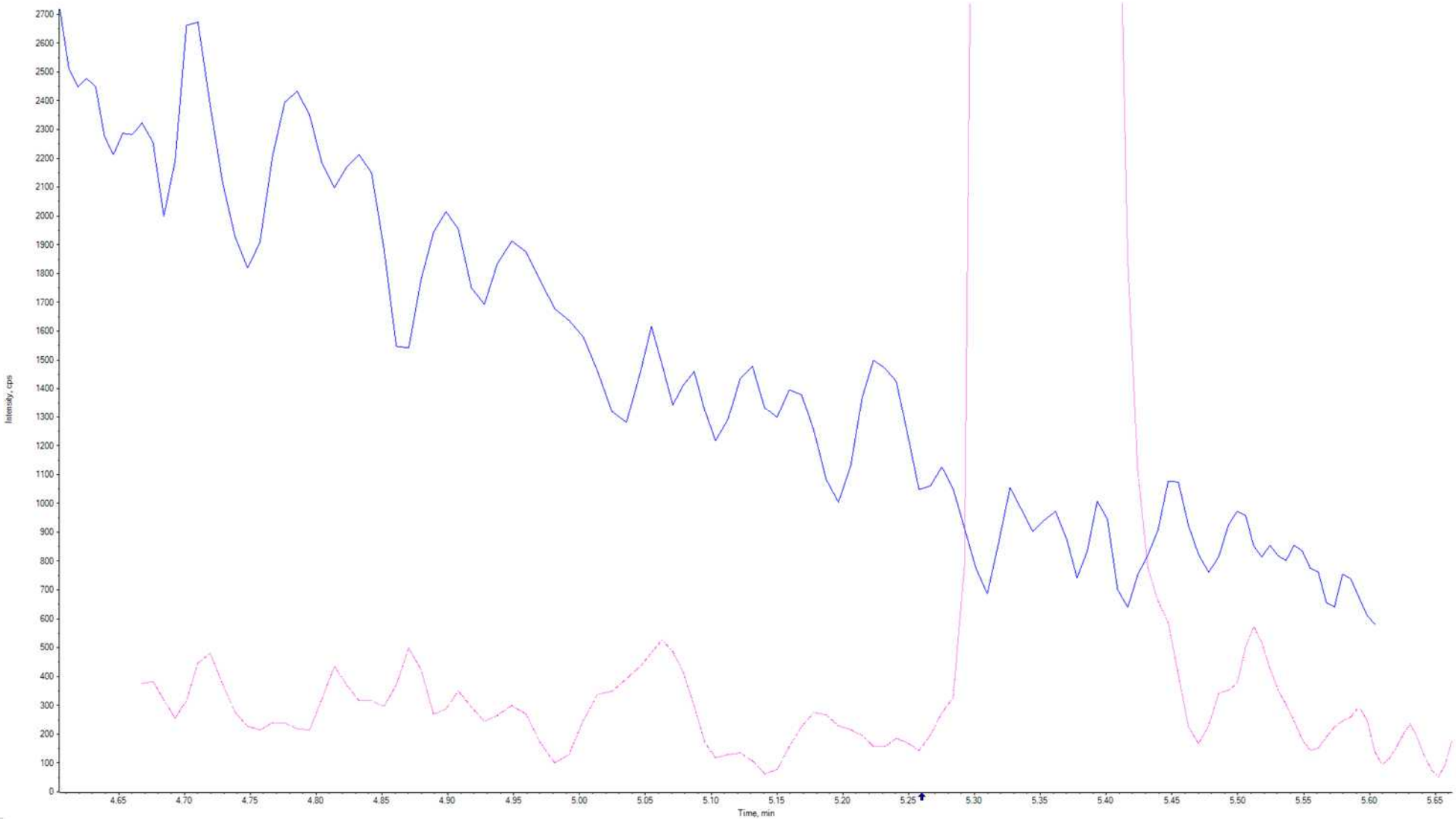
PFMBA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



NFDHA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A

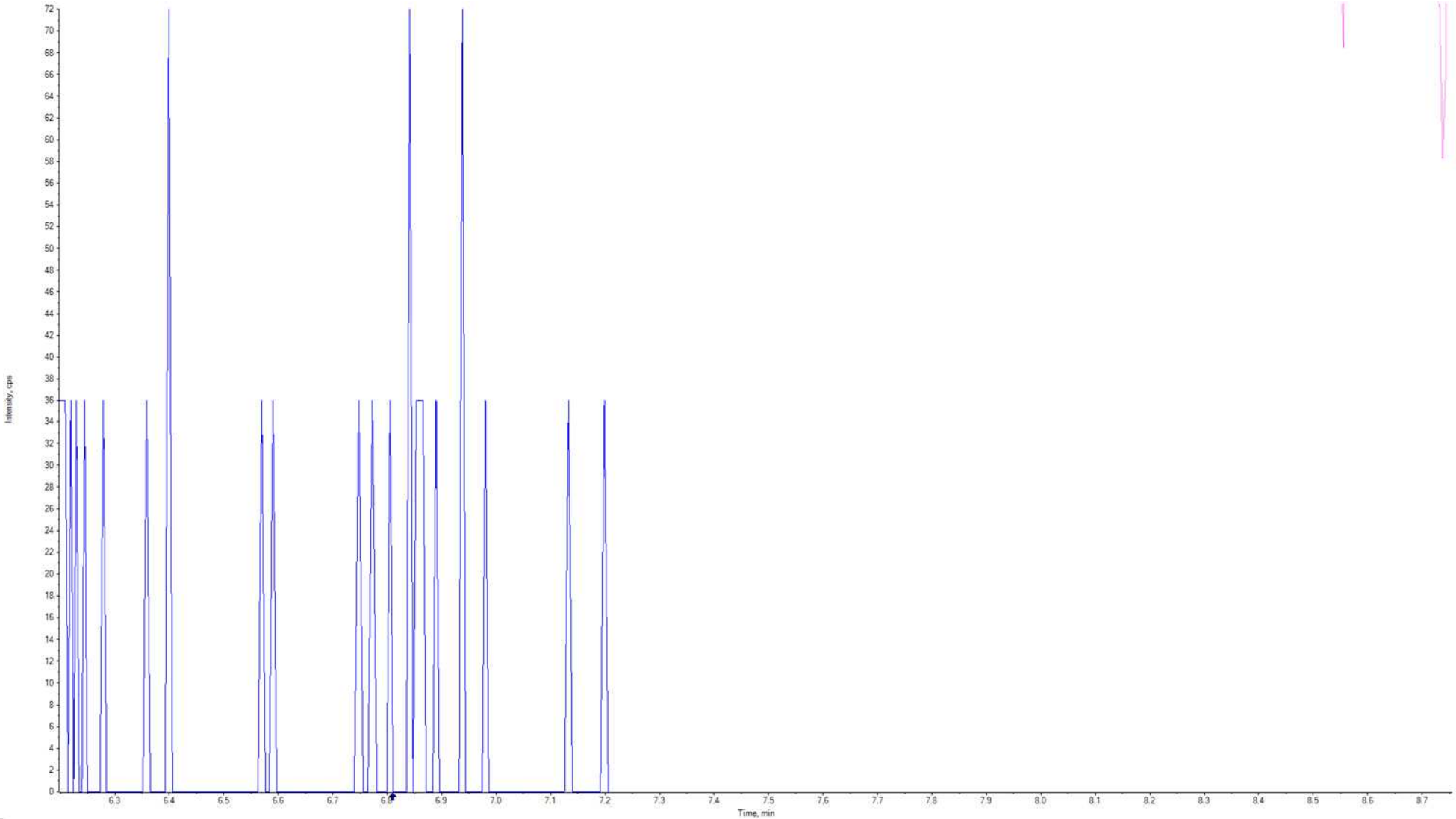


NFDHA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

TDCA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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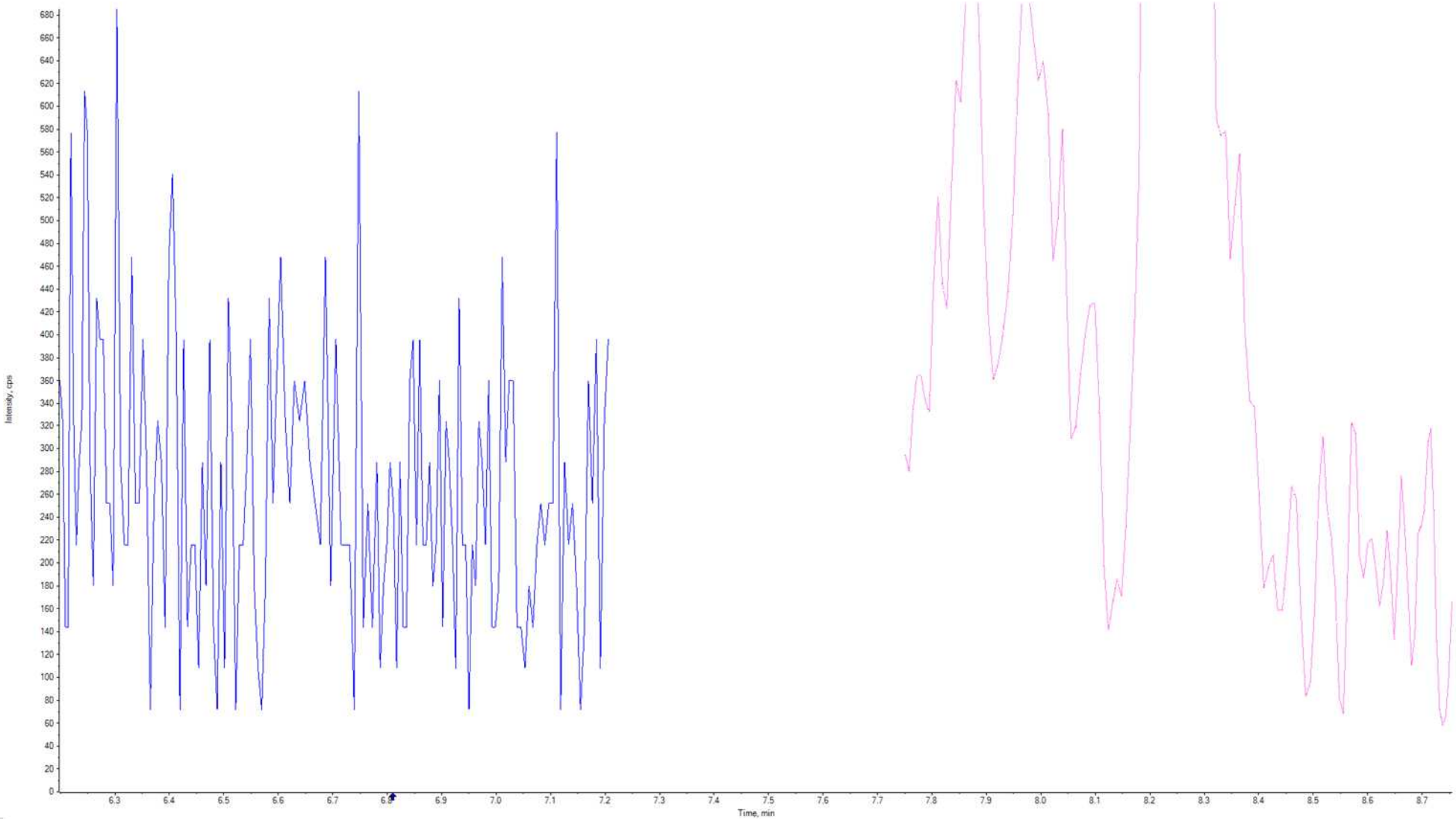
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

TDCA_2
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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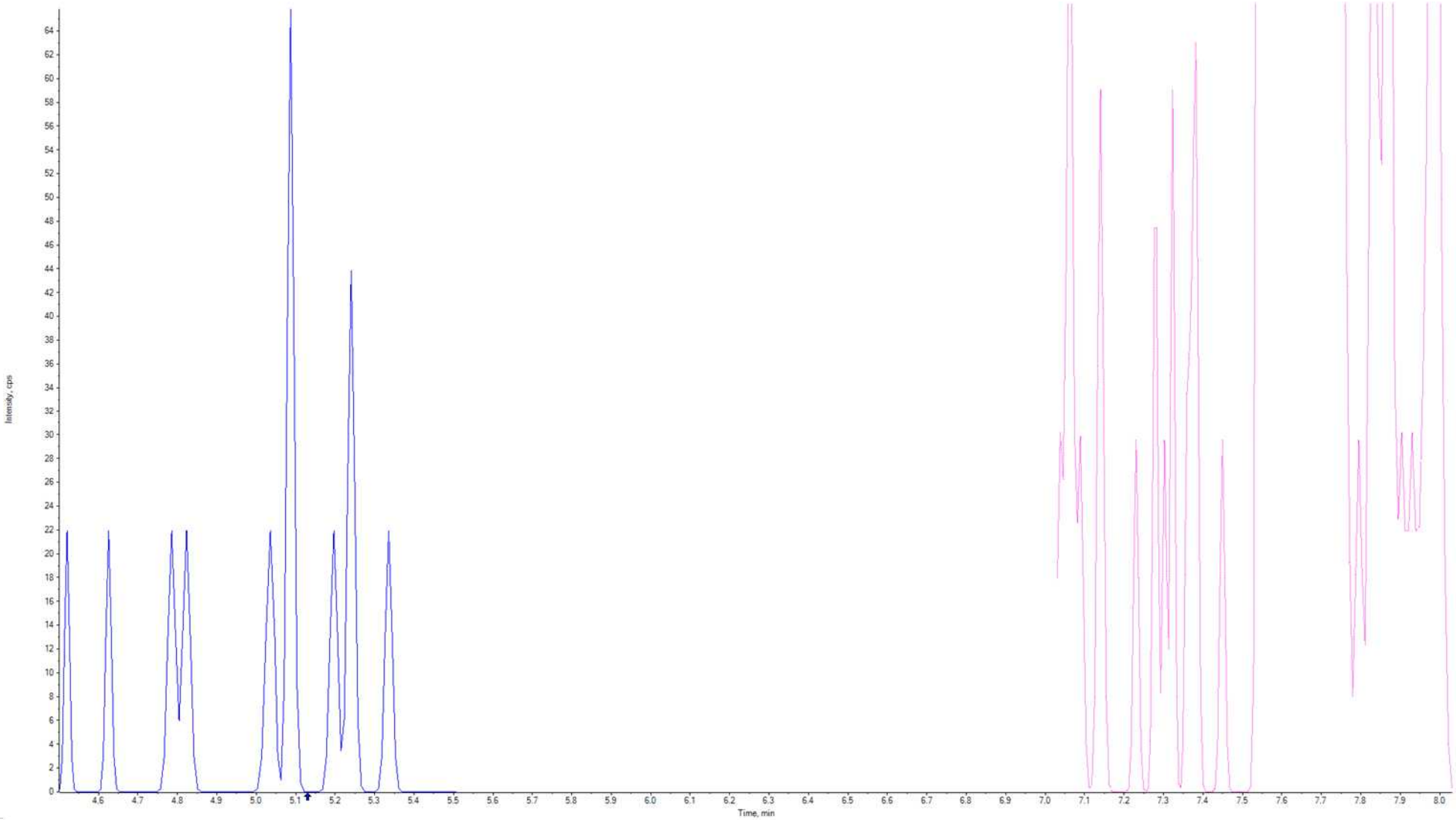
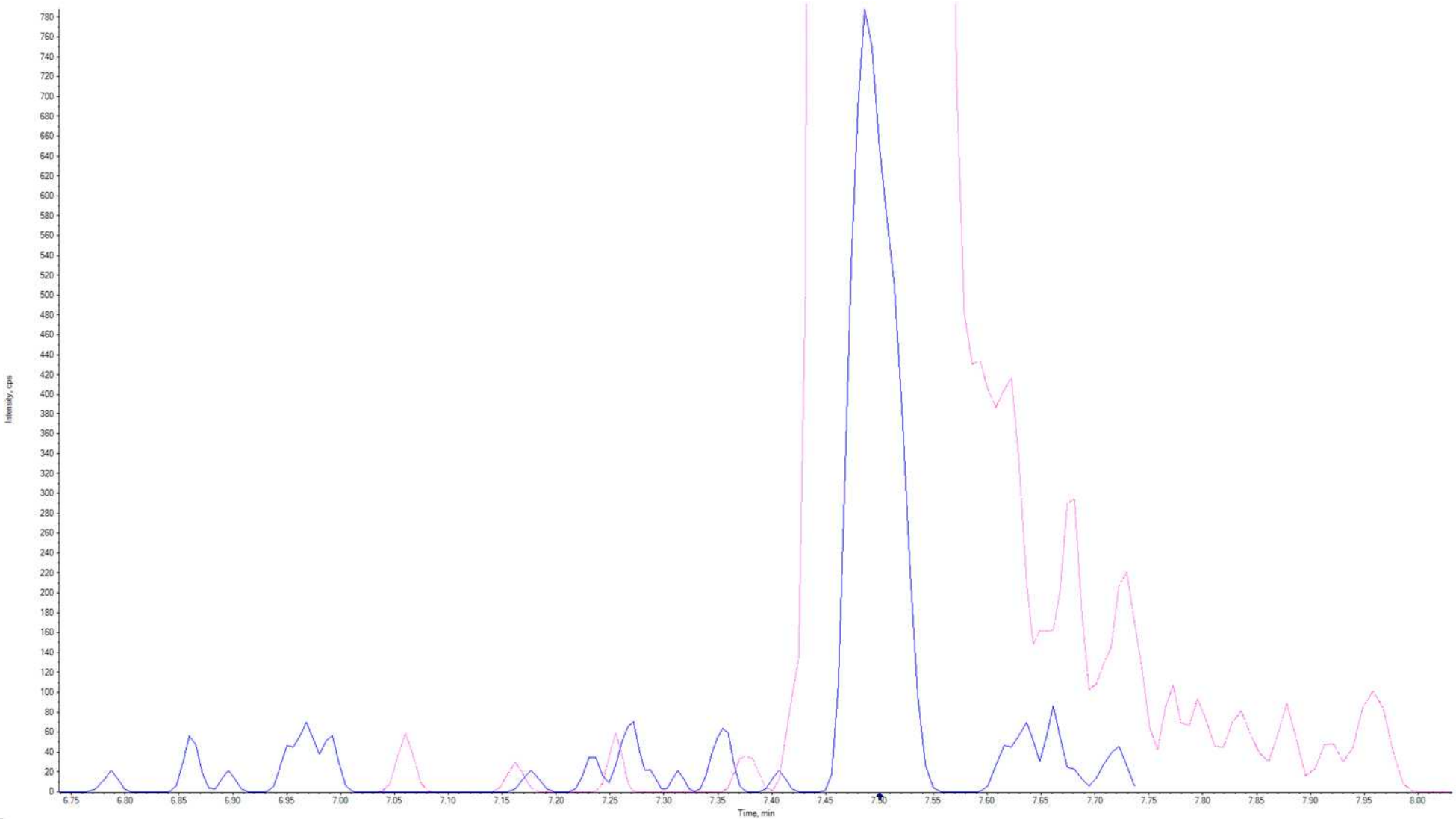
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C2D4-4:2FTS
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C2-PFOA
Sample: L2447503-08 S/N:N/A Points Across peak:N/A



13C4-PFBA
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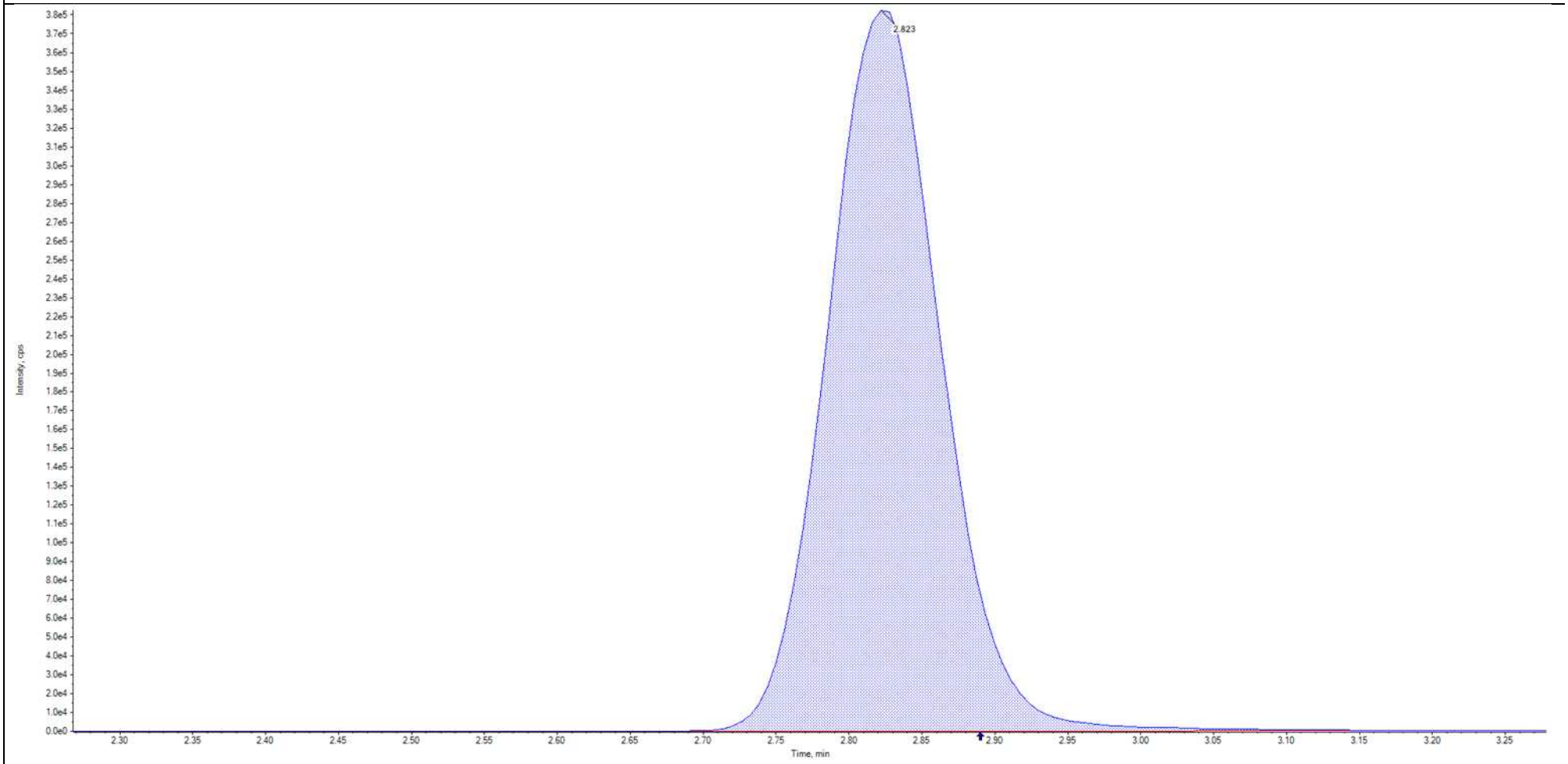
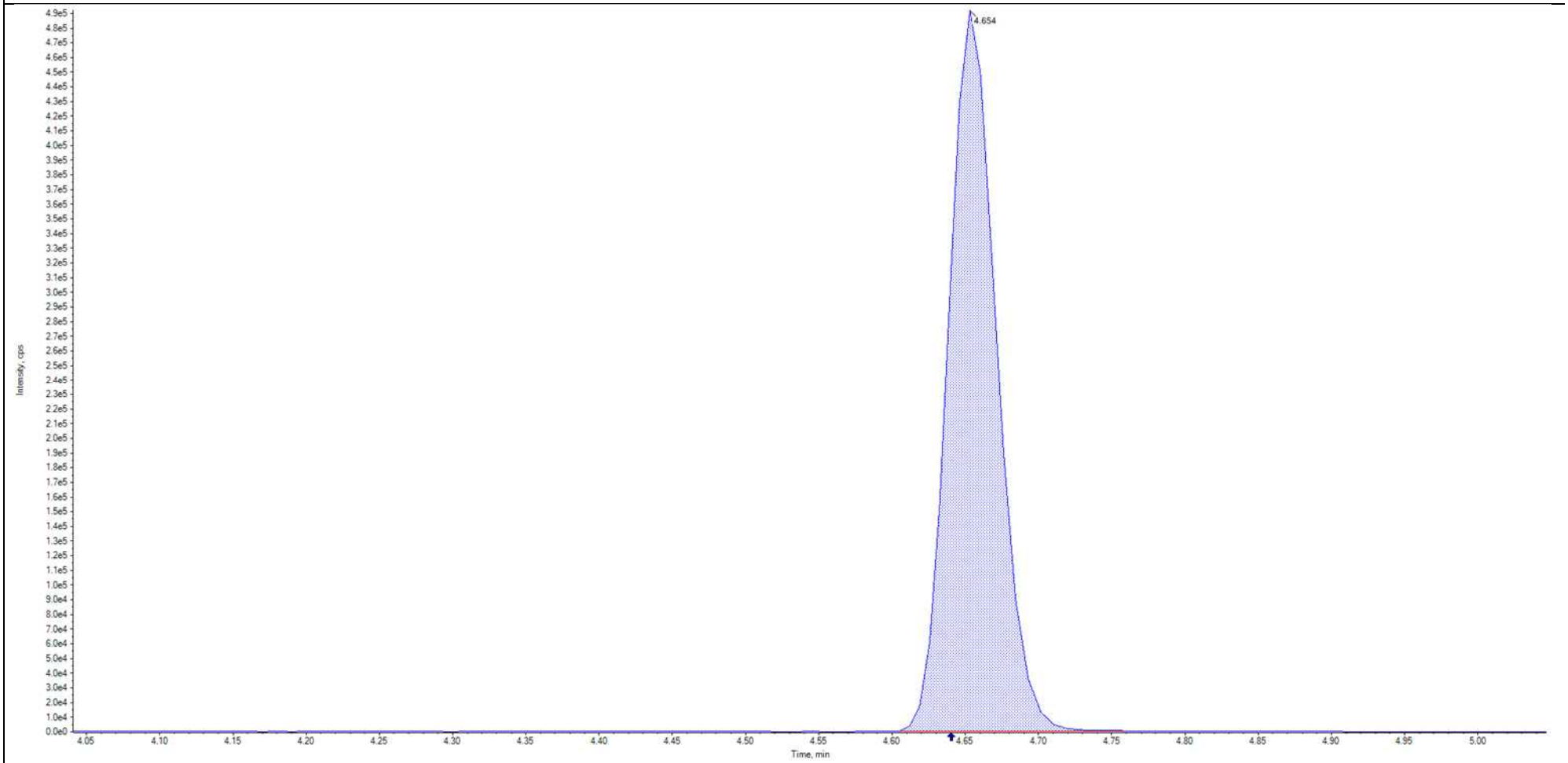
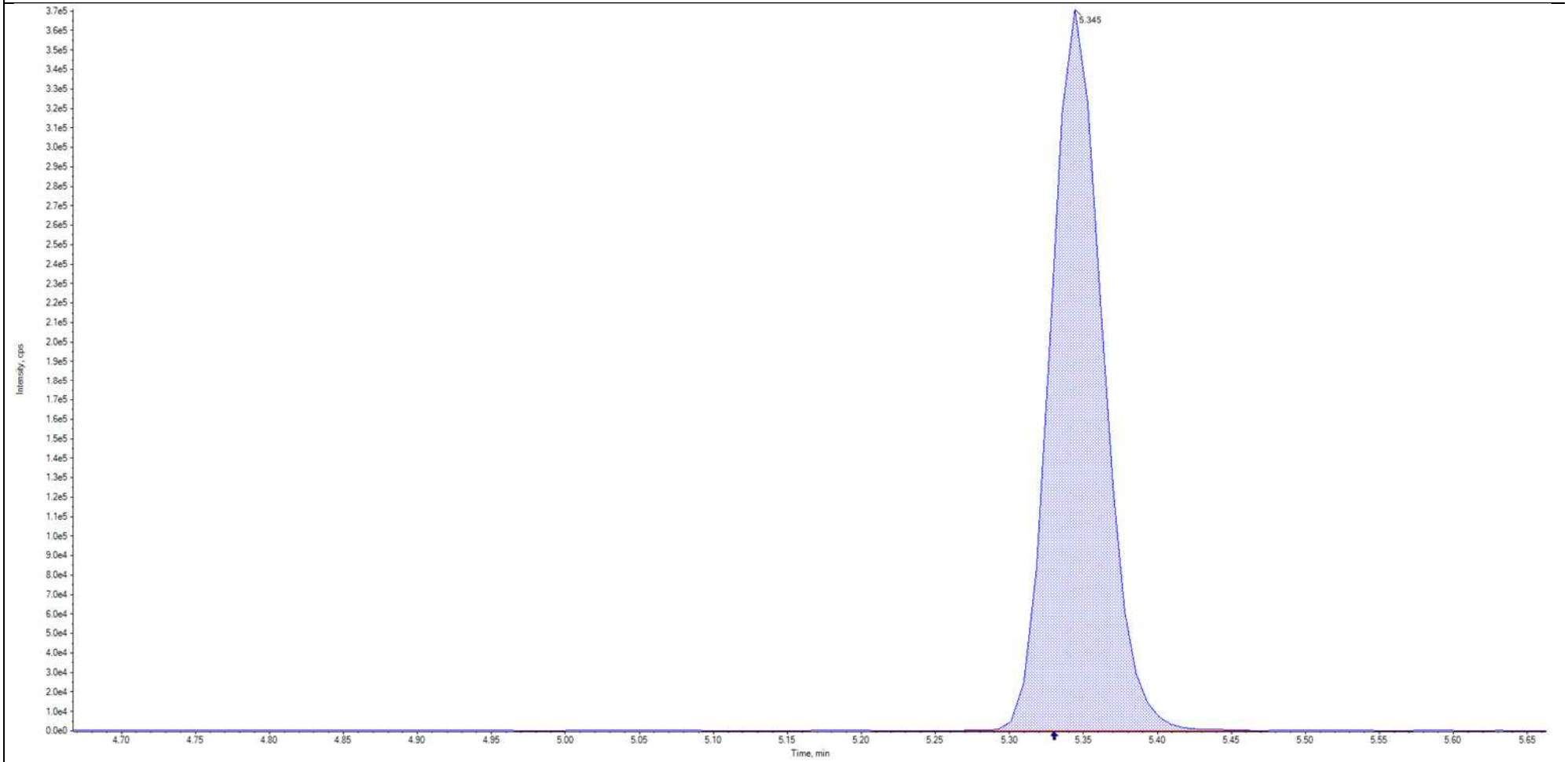


13C5-PFPeA
Sample: L2447503-08



13C5-PFHxA
Sample: L2447503-08



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
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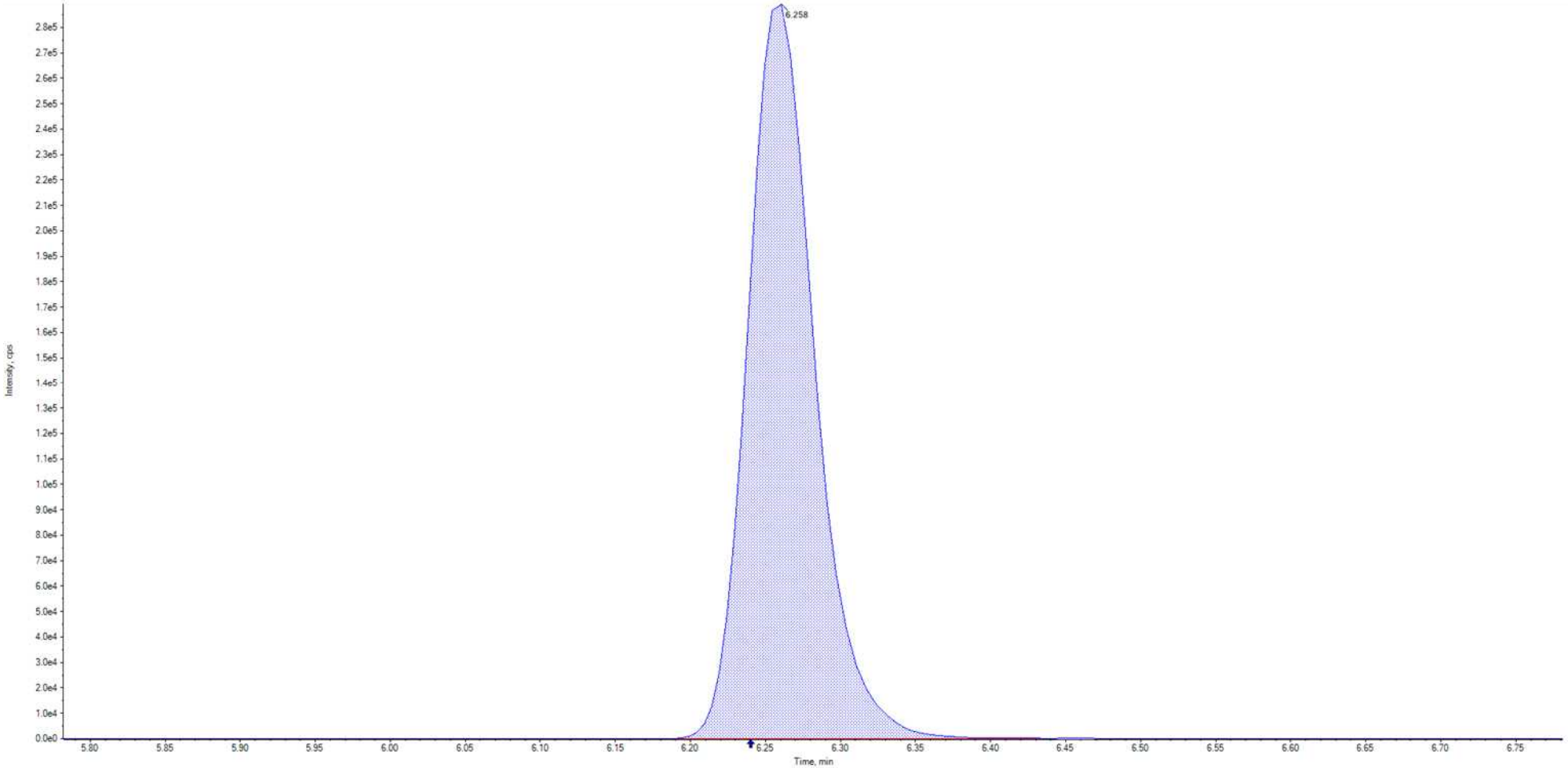
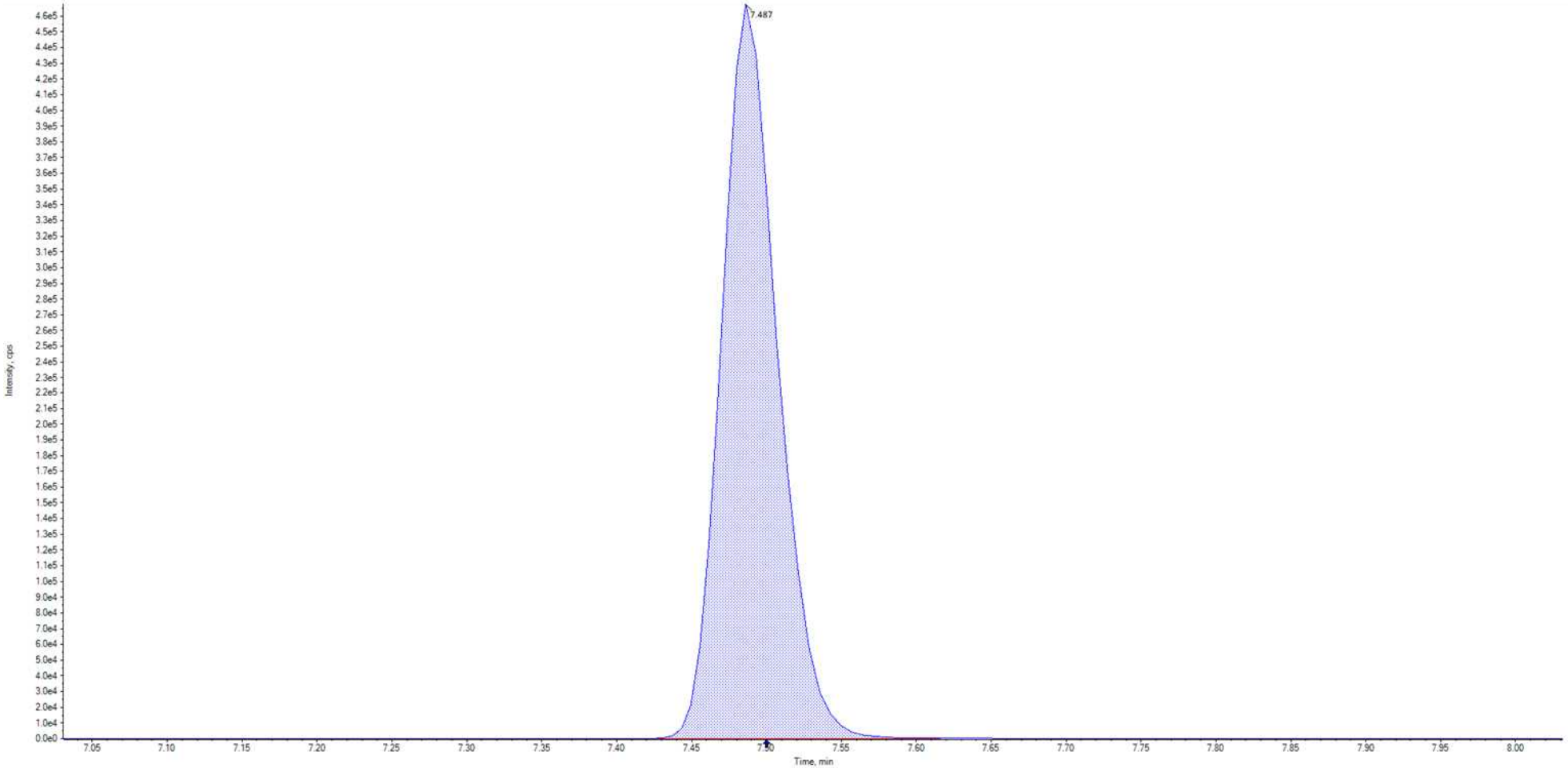
Generated: 9/17/2024 6:15:27 AM

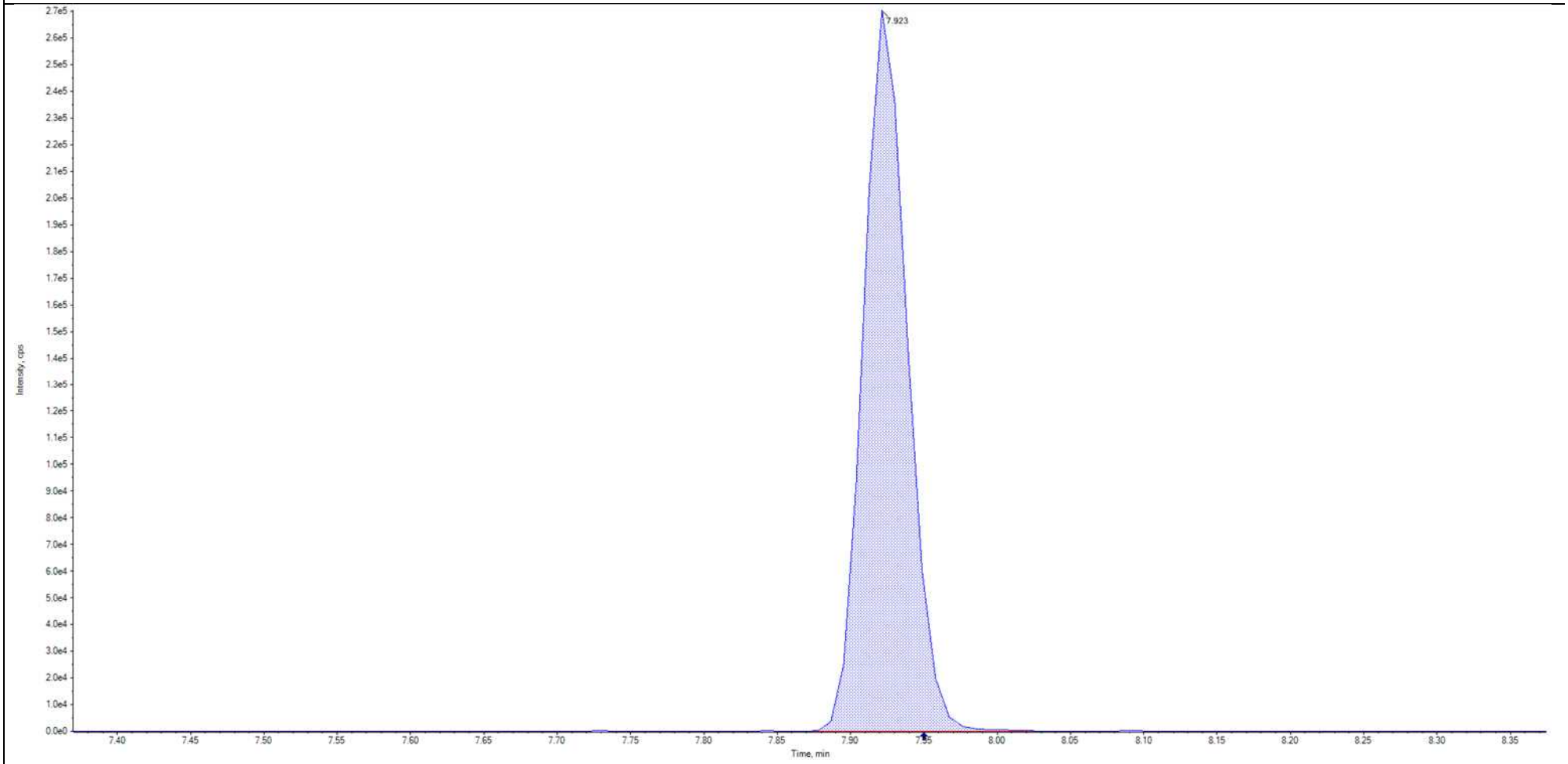
13C4-PFHpA
Sample: L2447503-08



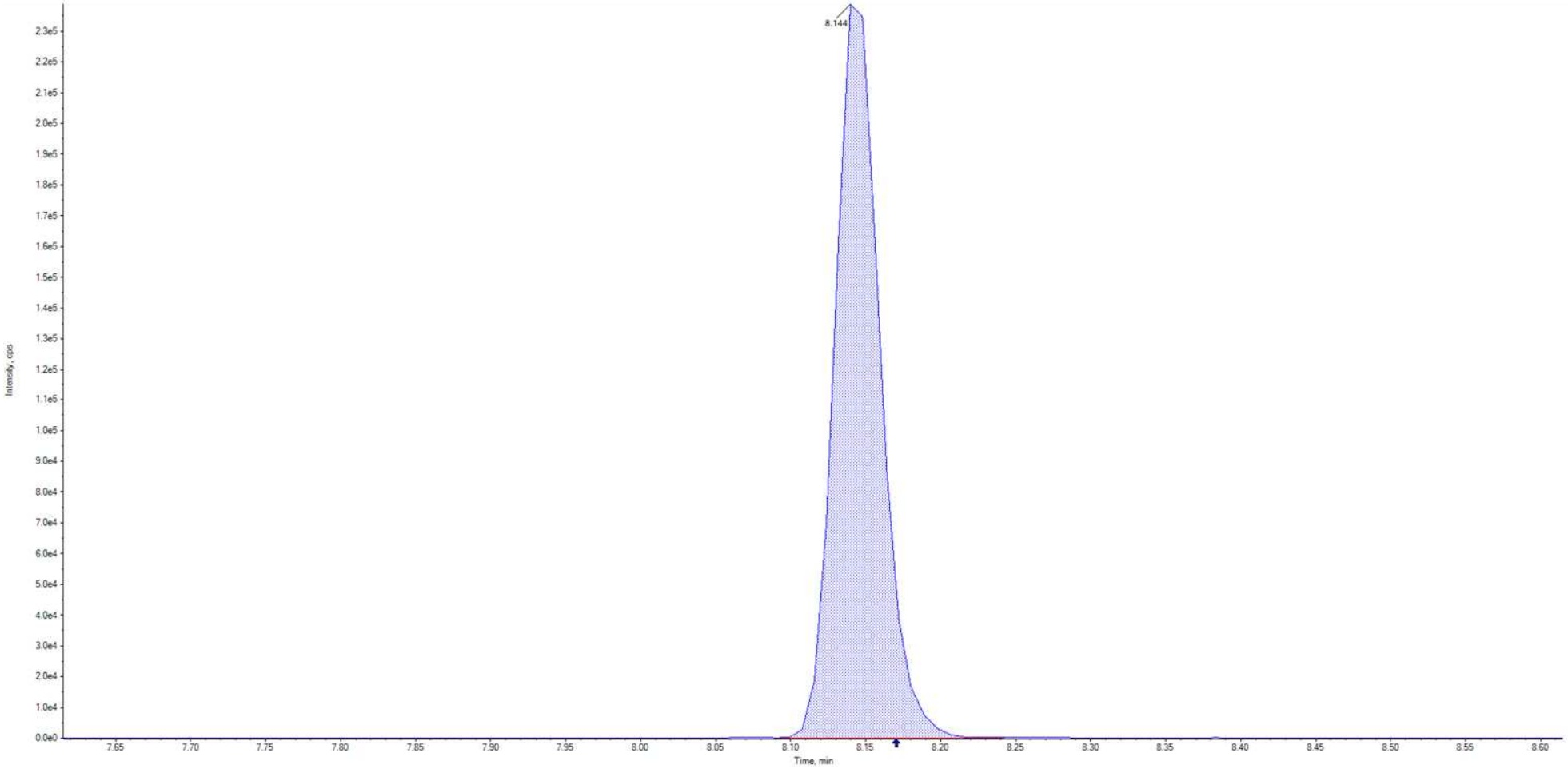
13C8-PFOA
Sample: L2447503-08



13C9-PFNA
Sample: L2447503-08



13C6-PFDA
Sample: L2447503-08



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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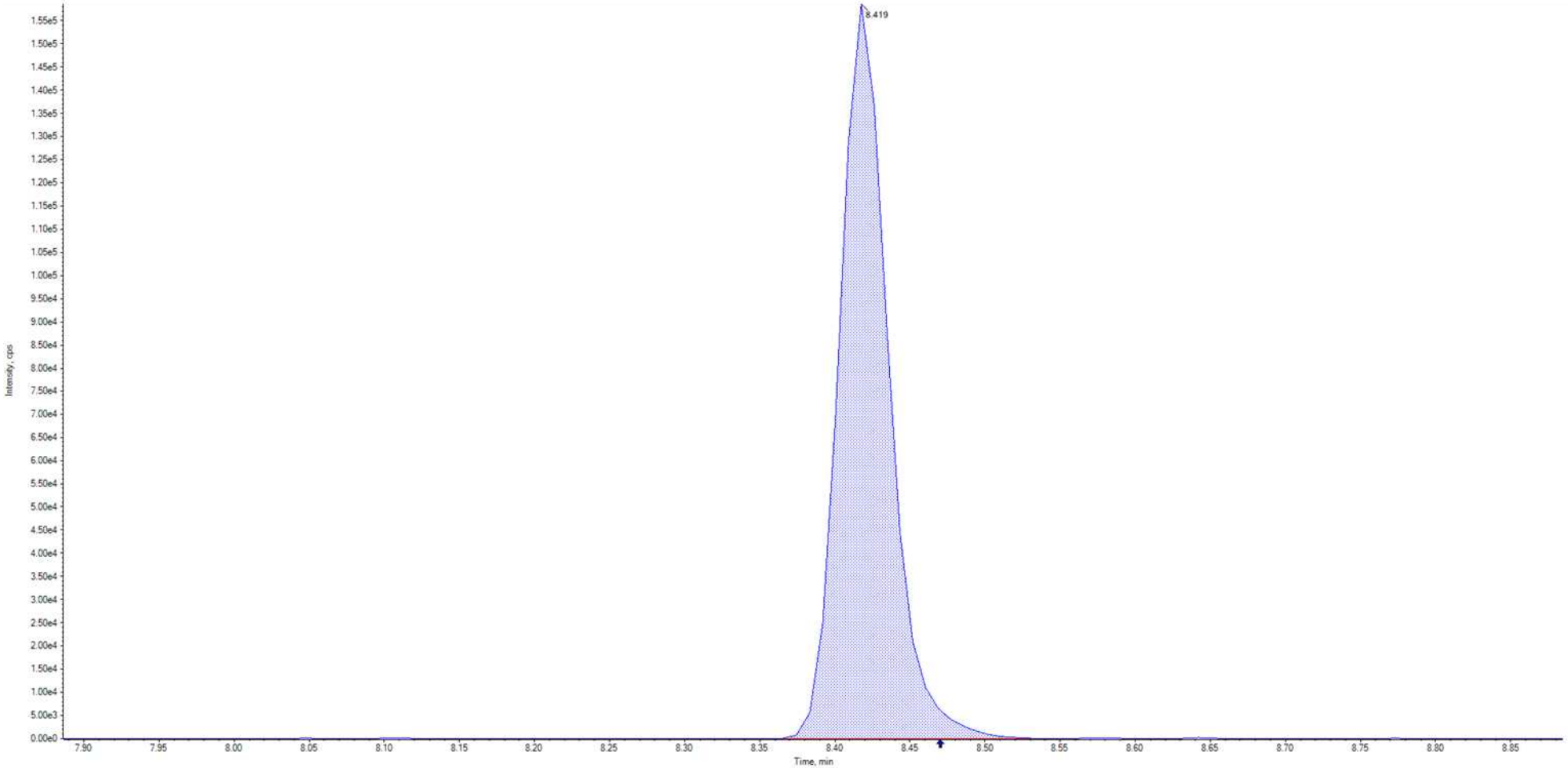
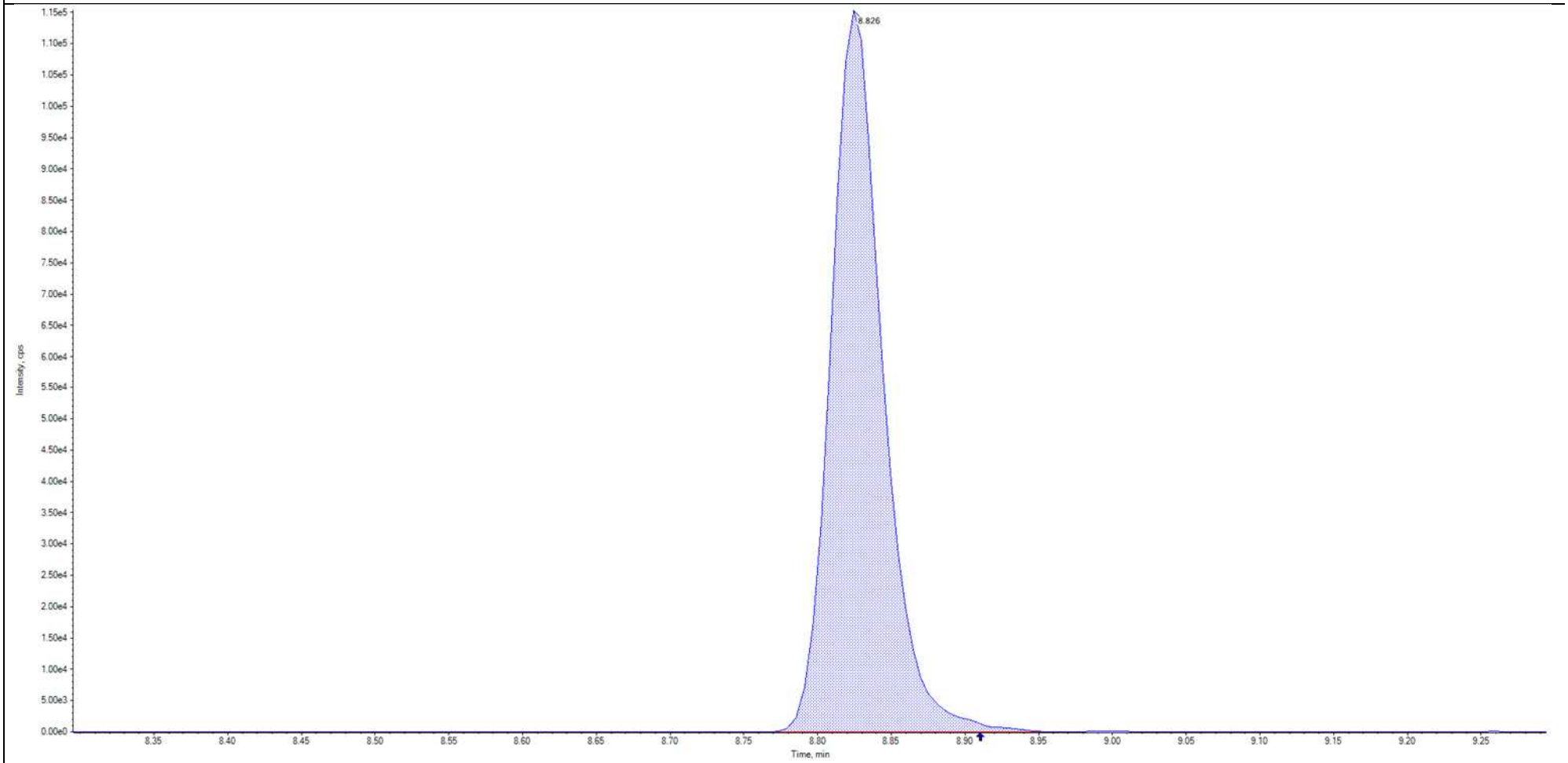
Generated: 9/17/2024 6:15:27 AM

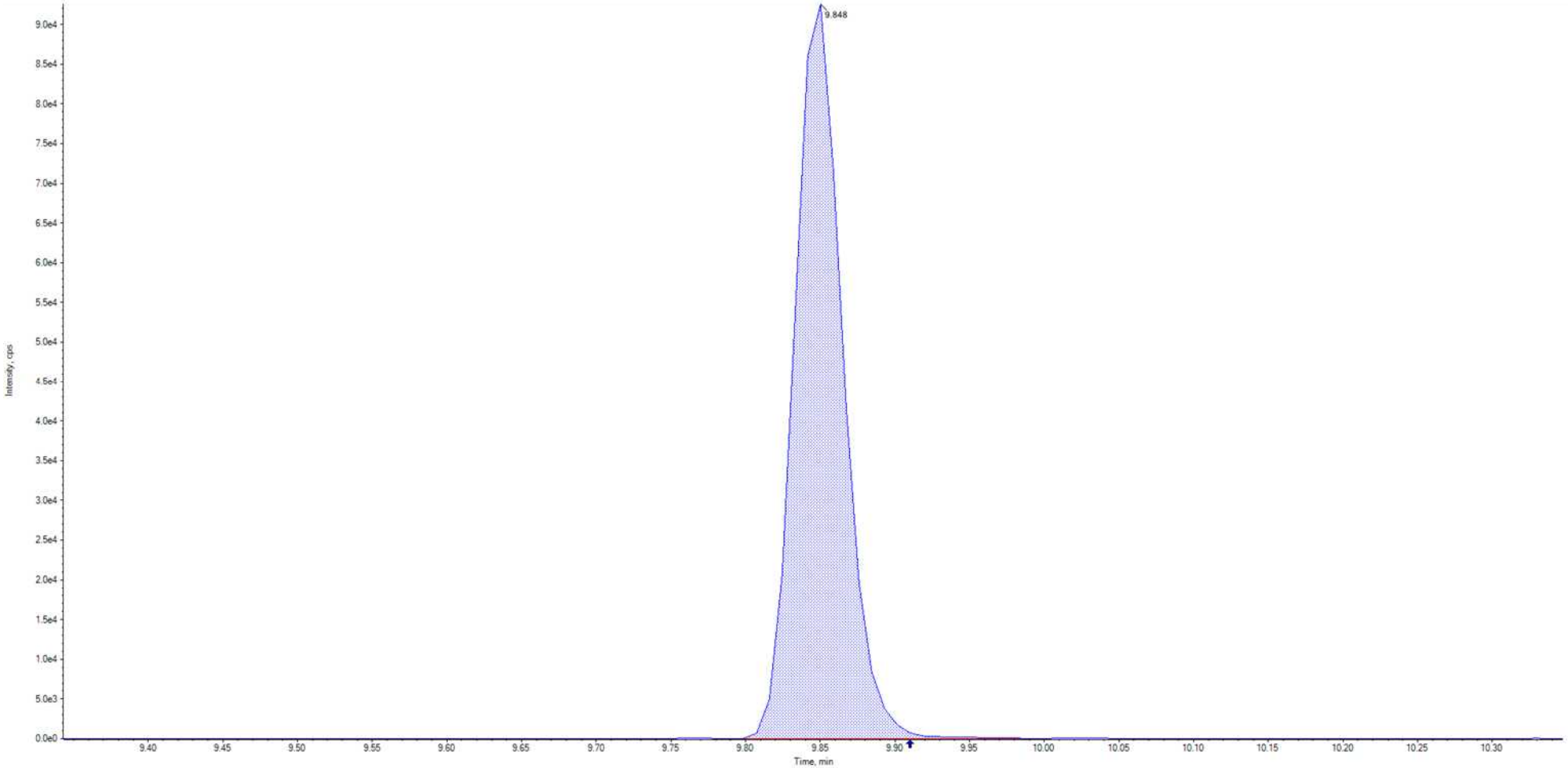
13C7-PFUnA
Sample: L2447503-08



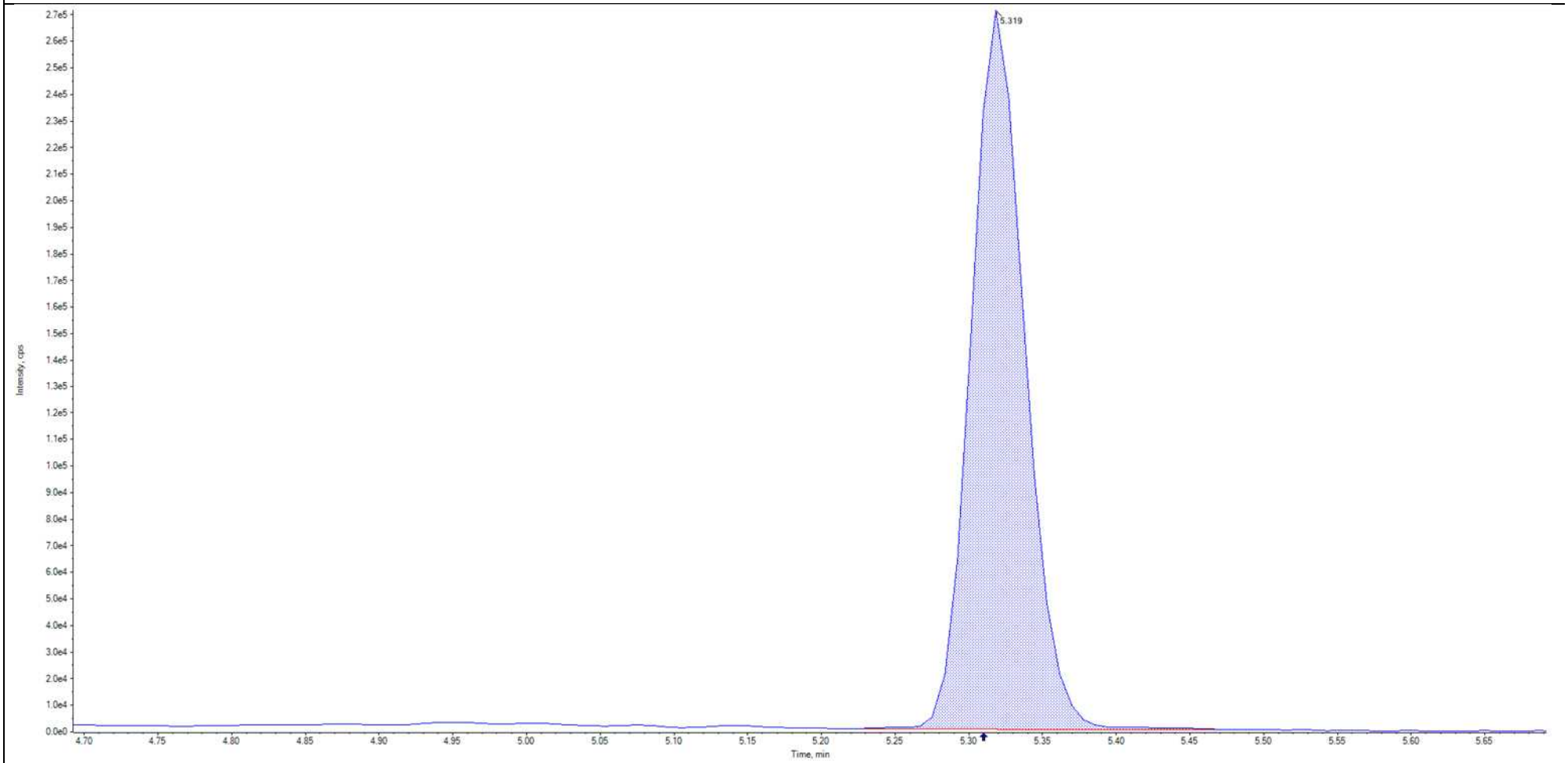
13C2-PFDoA
Sample: L2447503-08



13C2-PFTeDA
Sample: L2447503-08



13C3-PFBS
Sample: L2447503-08



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
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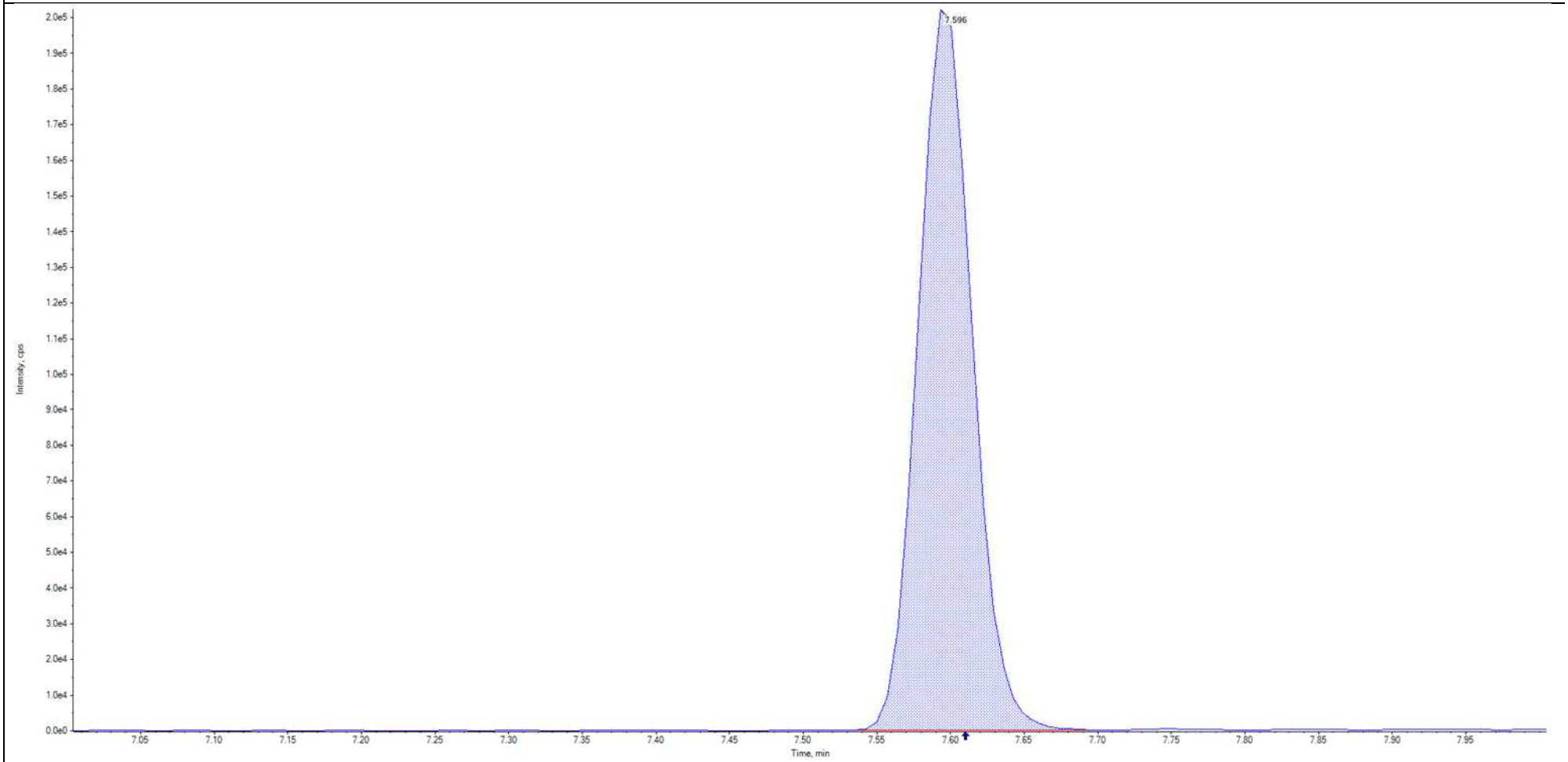
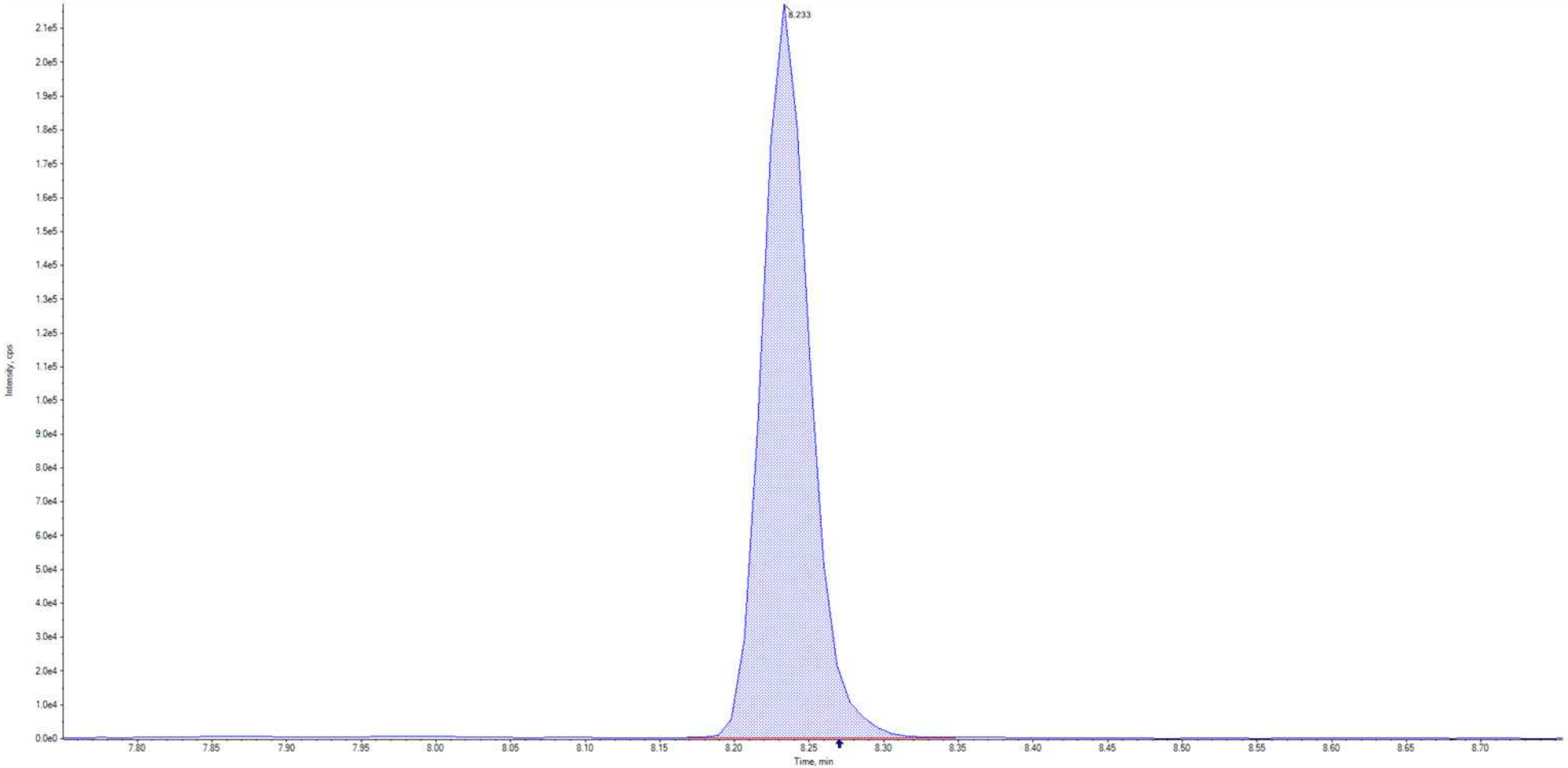
Generated: 9/17/2024 6:15:27 AM

13C3-PFHxS
Sample: L2447503-08

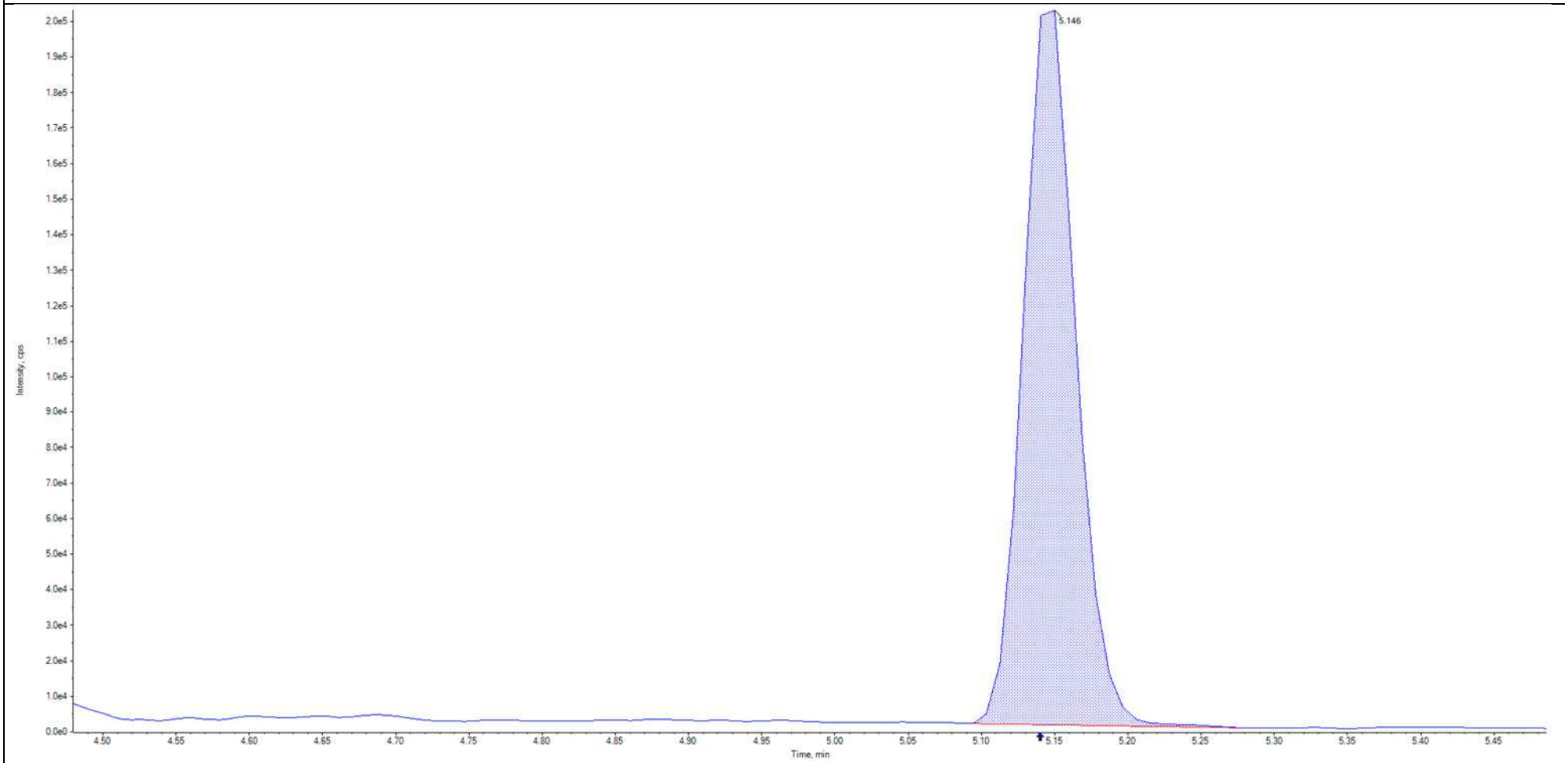


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C8-PFOS
Sample: L2447503-08

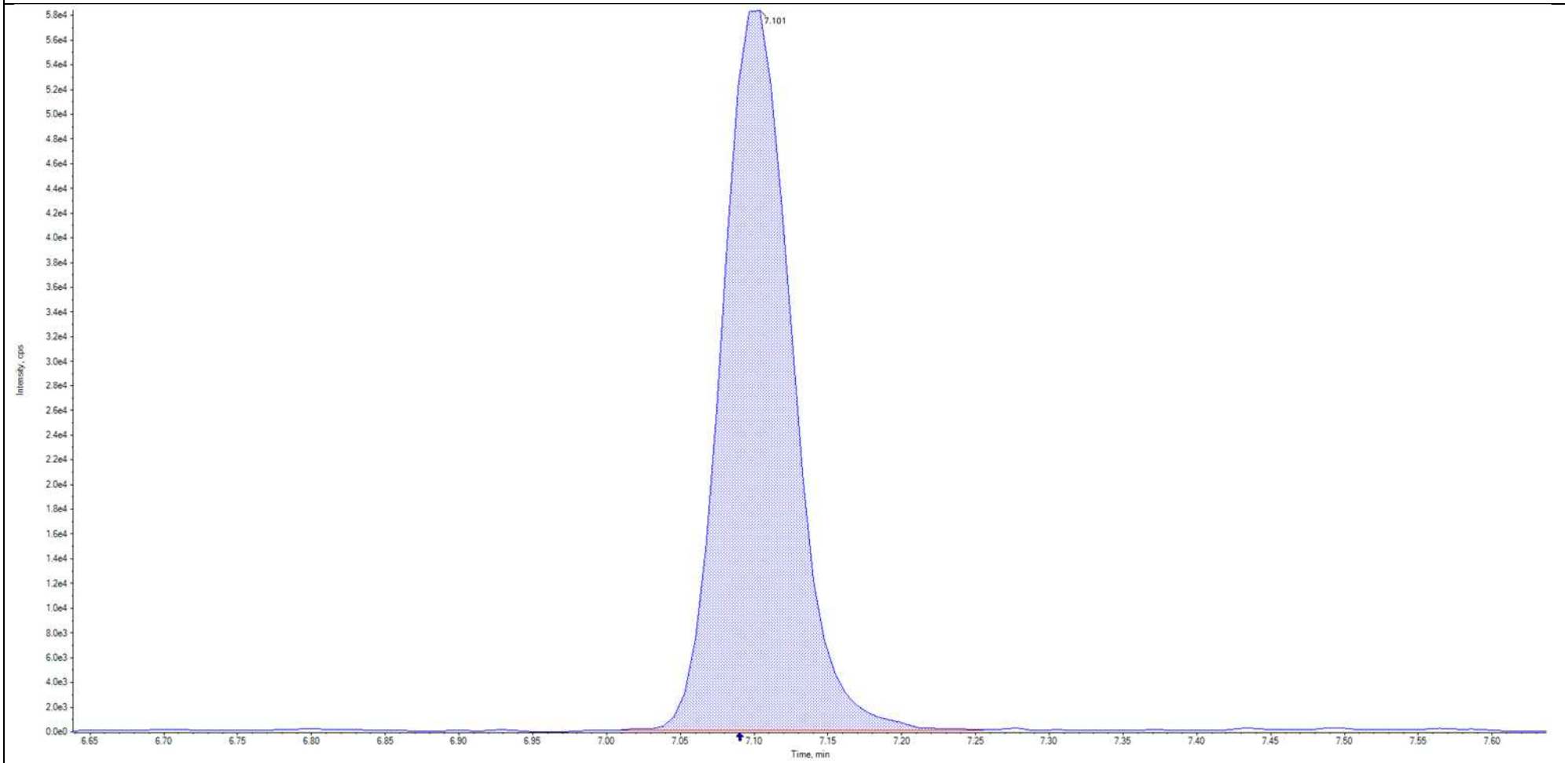


13C2-4:2FTS
Sample: L2447503-08

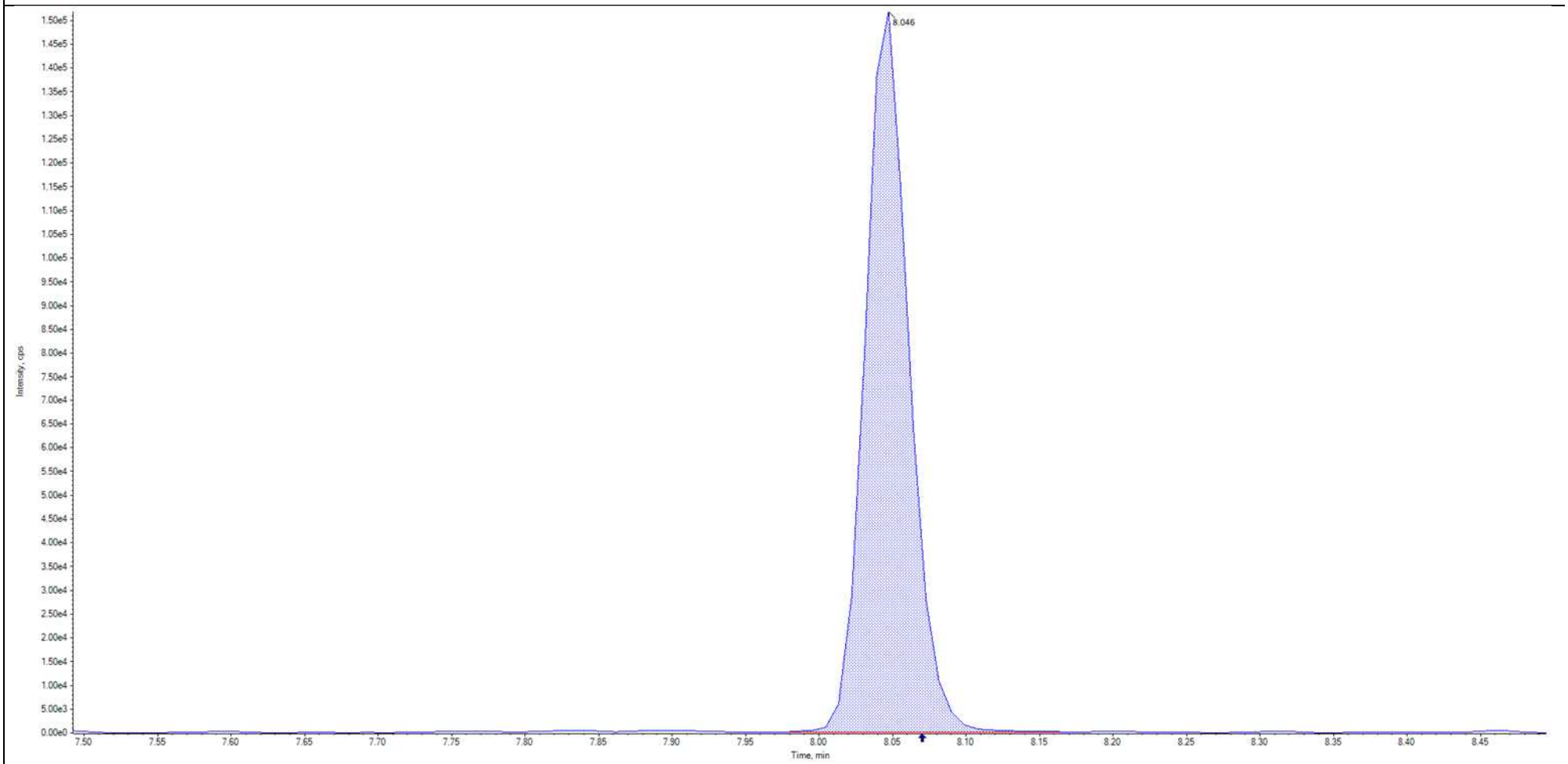


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_23.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

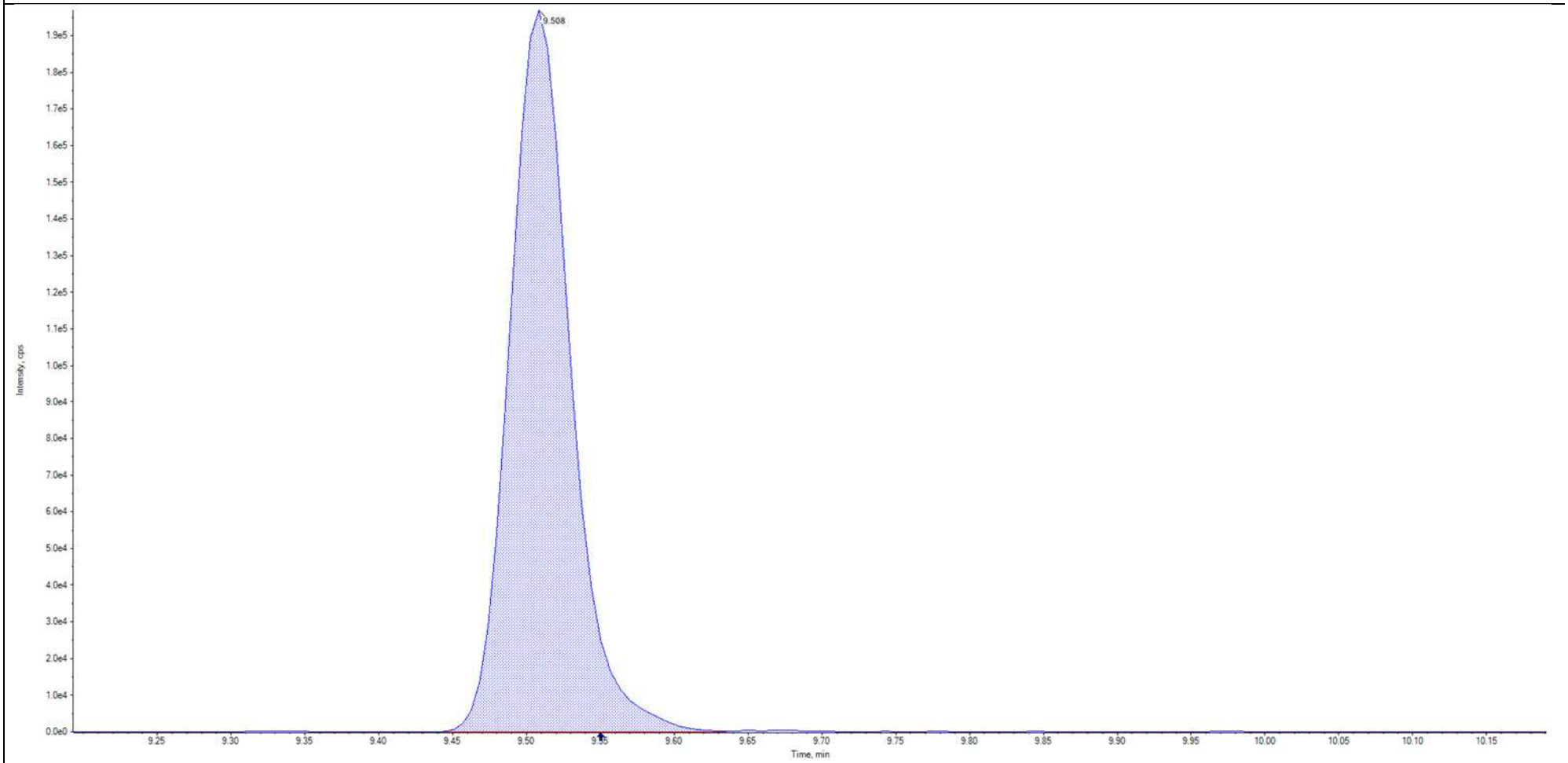
13C2-6:2FTS
Sample: L2447503-08



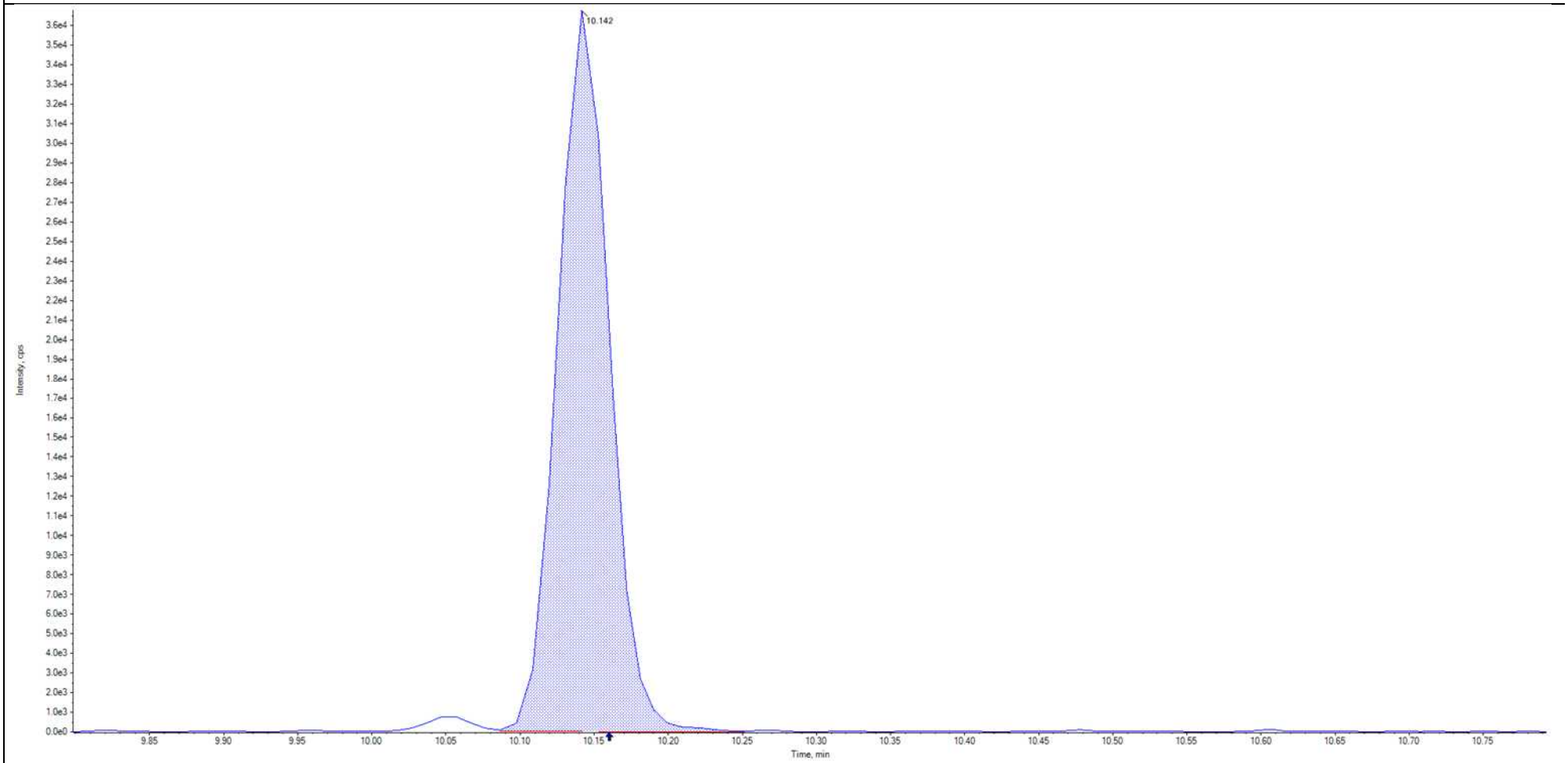
13C2-8:2FTS
Sample: L2447503-08



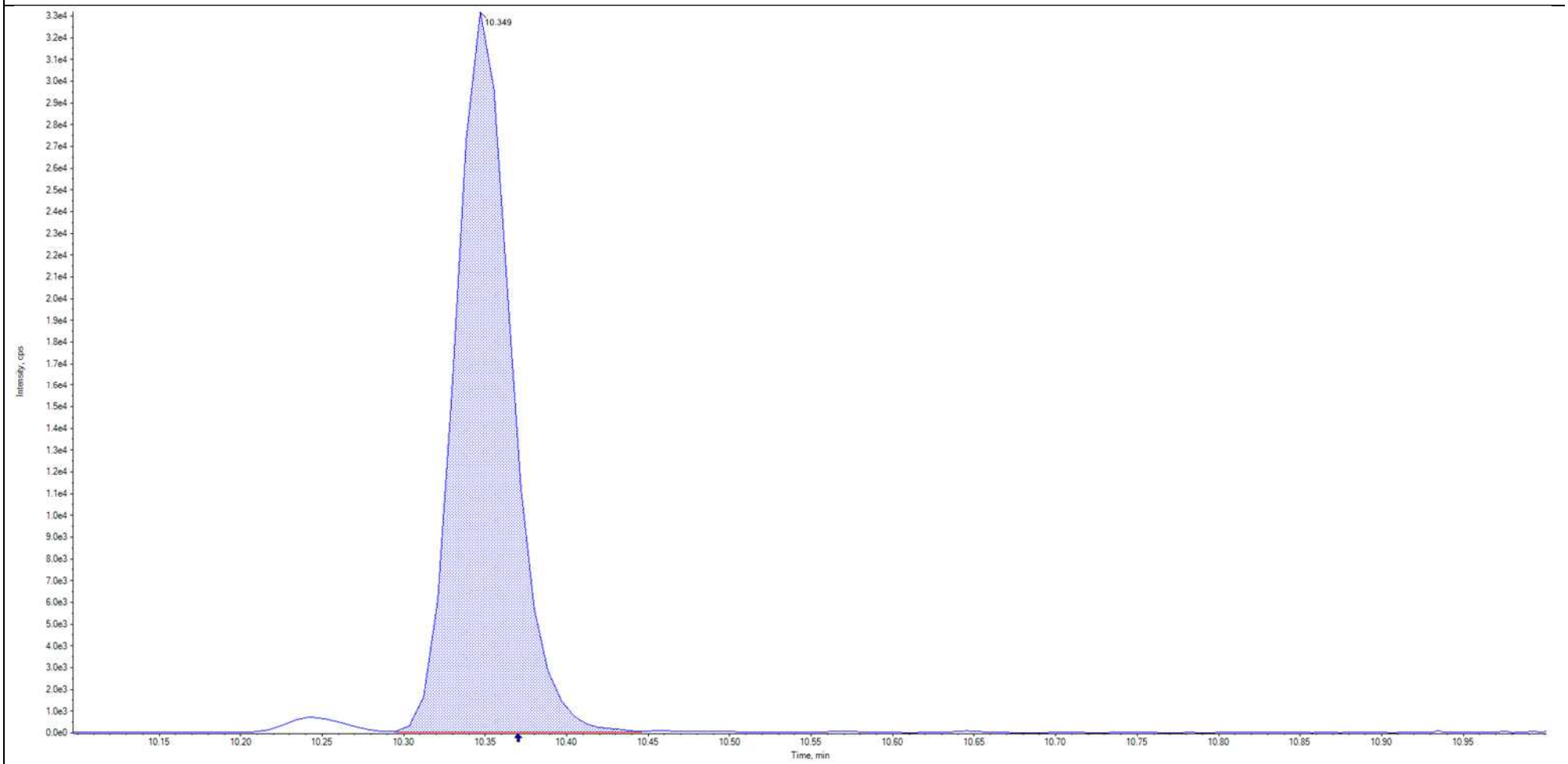
13C8-PFOSA
Sample: L2447503-08



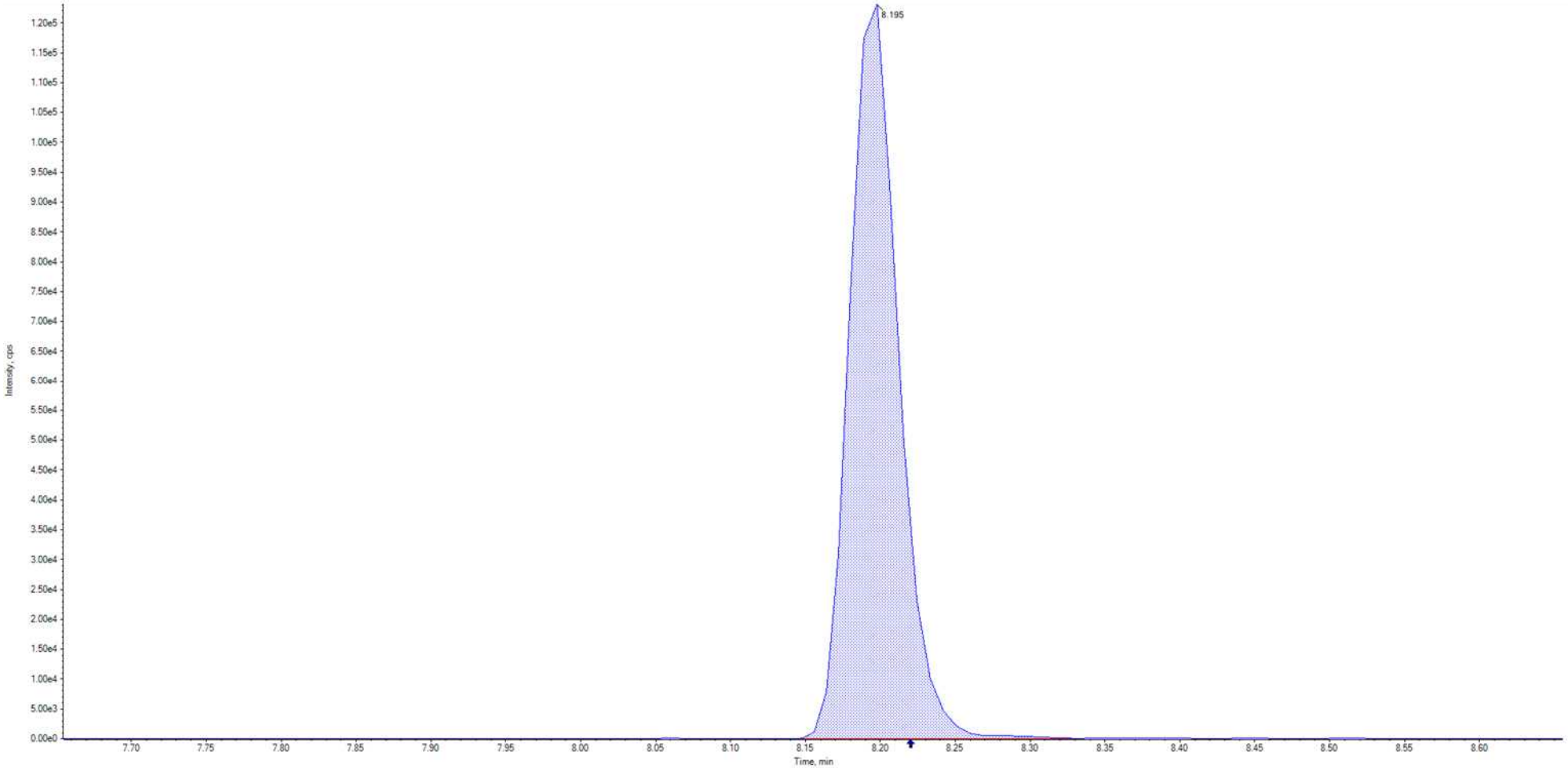
d3-NMeFOSA
Sample: L2447503-08



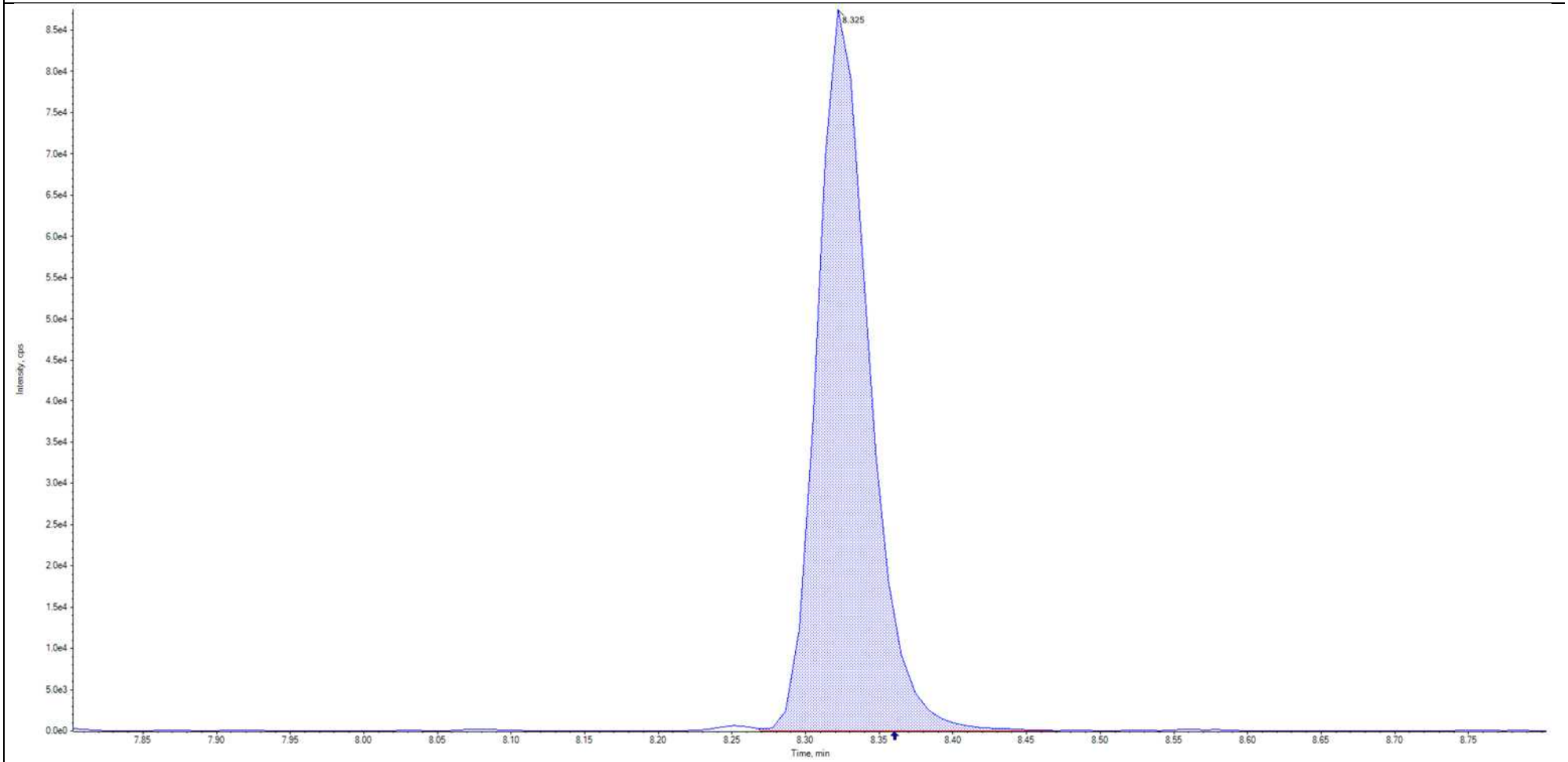
d5-NEtFOSA
Sample: L2447503-08



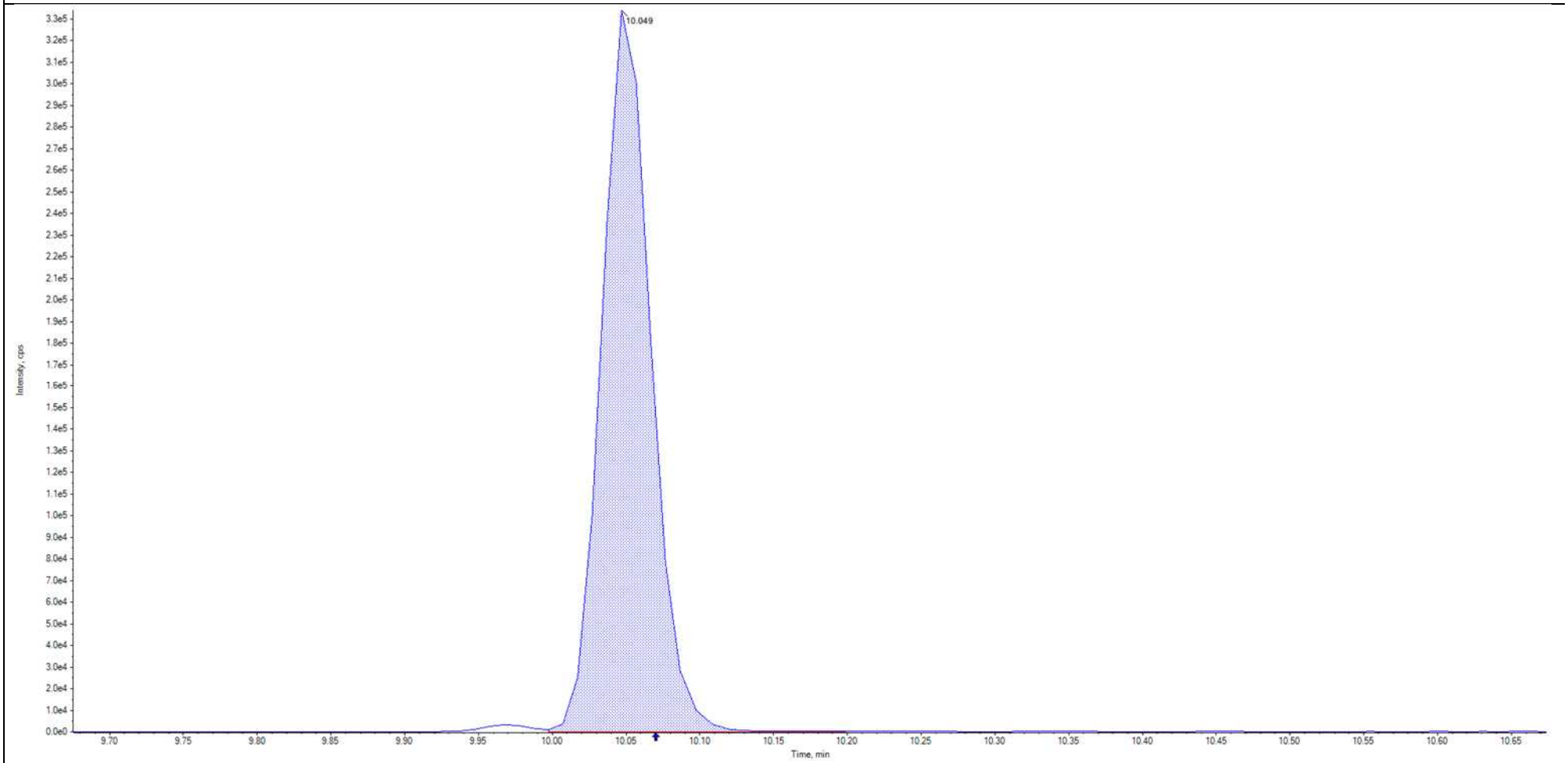
d3-NMeFOSAA
Sample: L2447503-08



d5-NEtFOSAA
Sample: L2447503-08



d7-NMeFOSE
Sample: L2447503-08



d9-NEtFOSE
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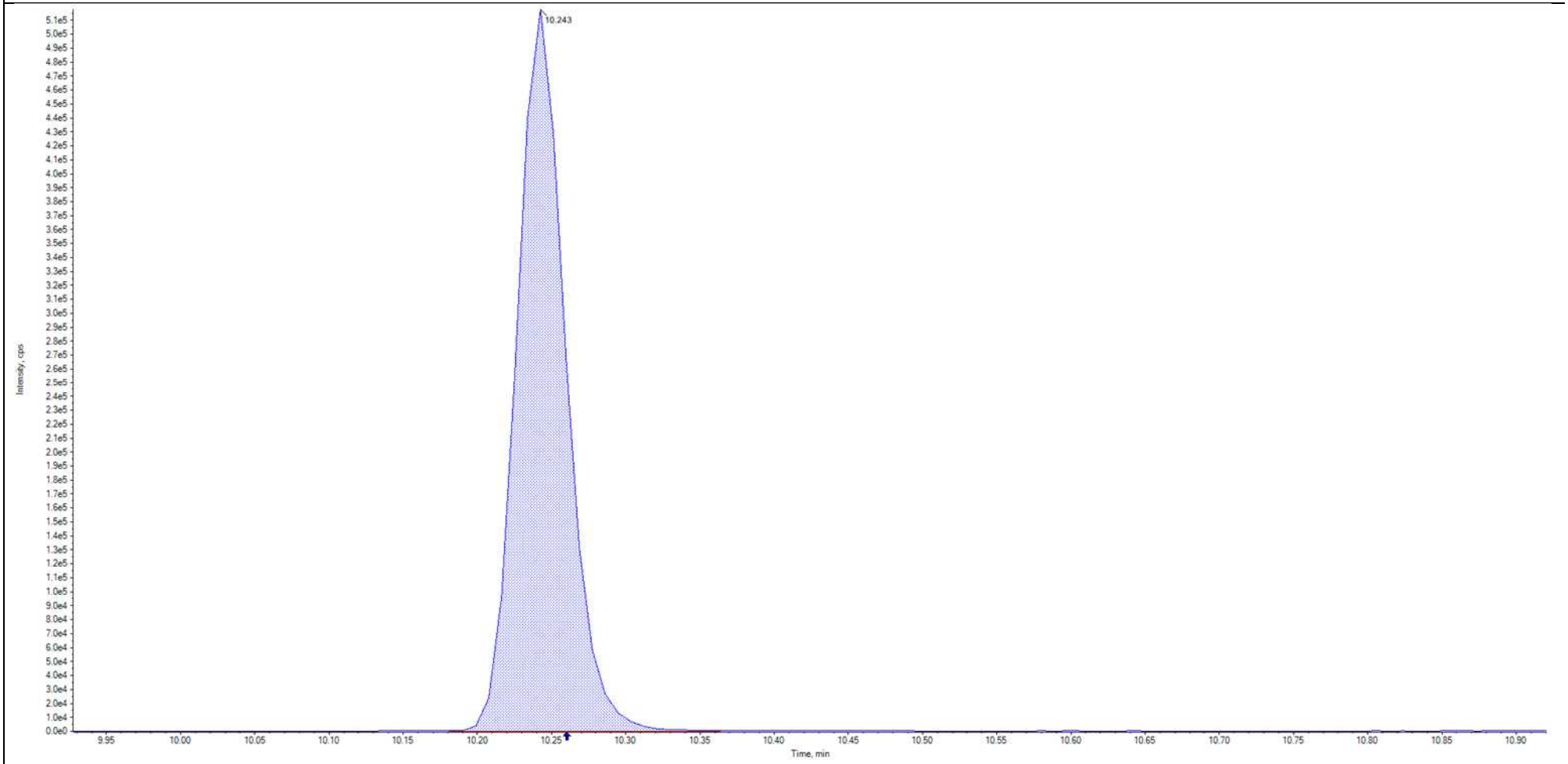
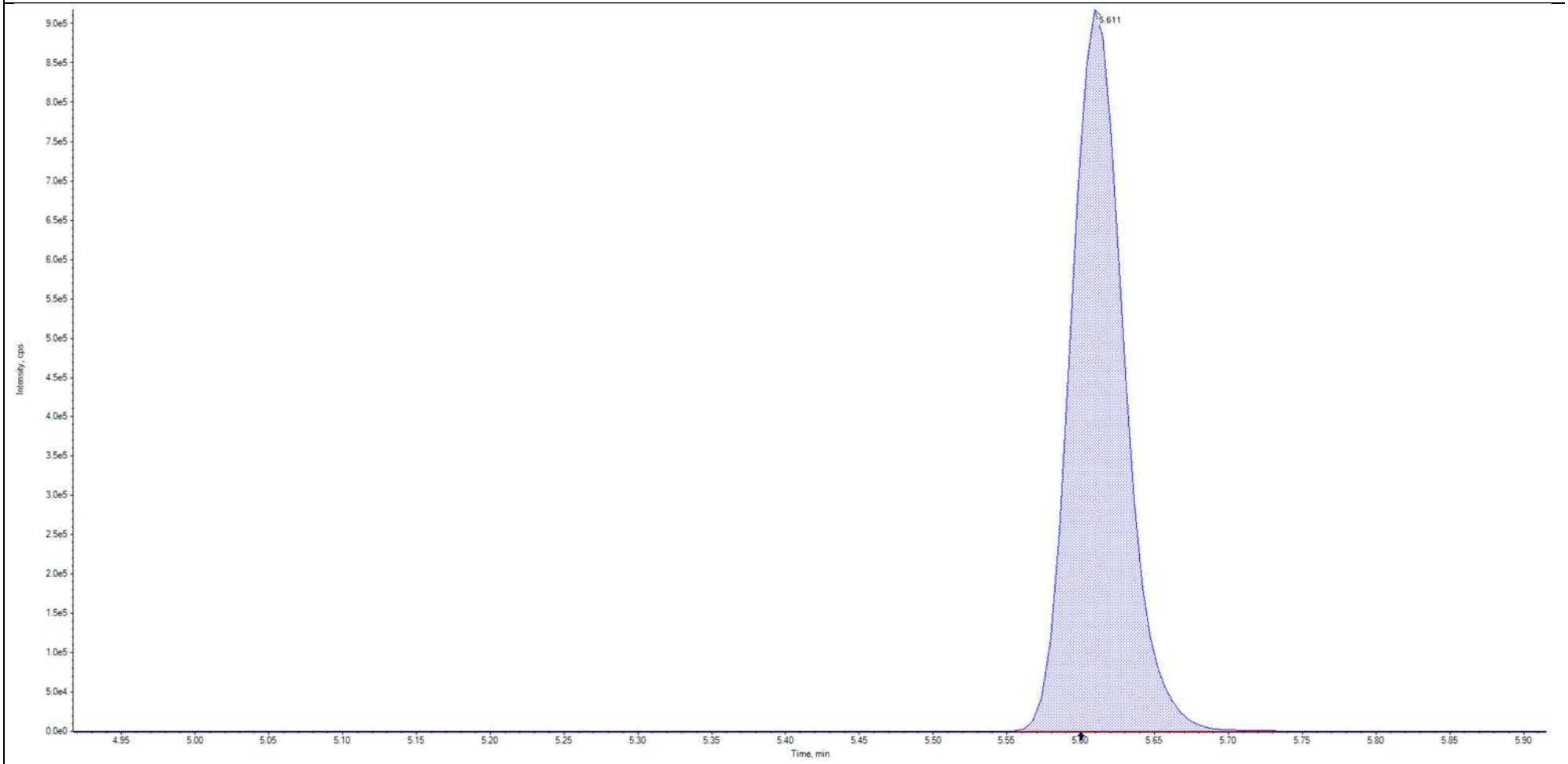
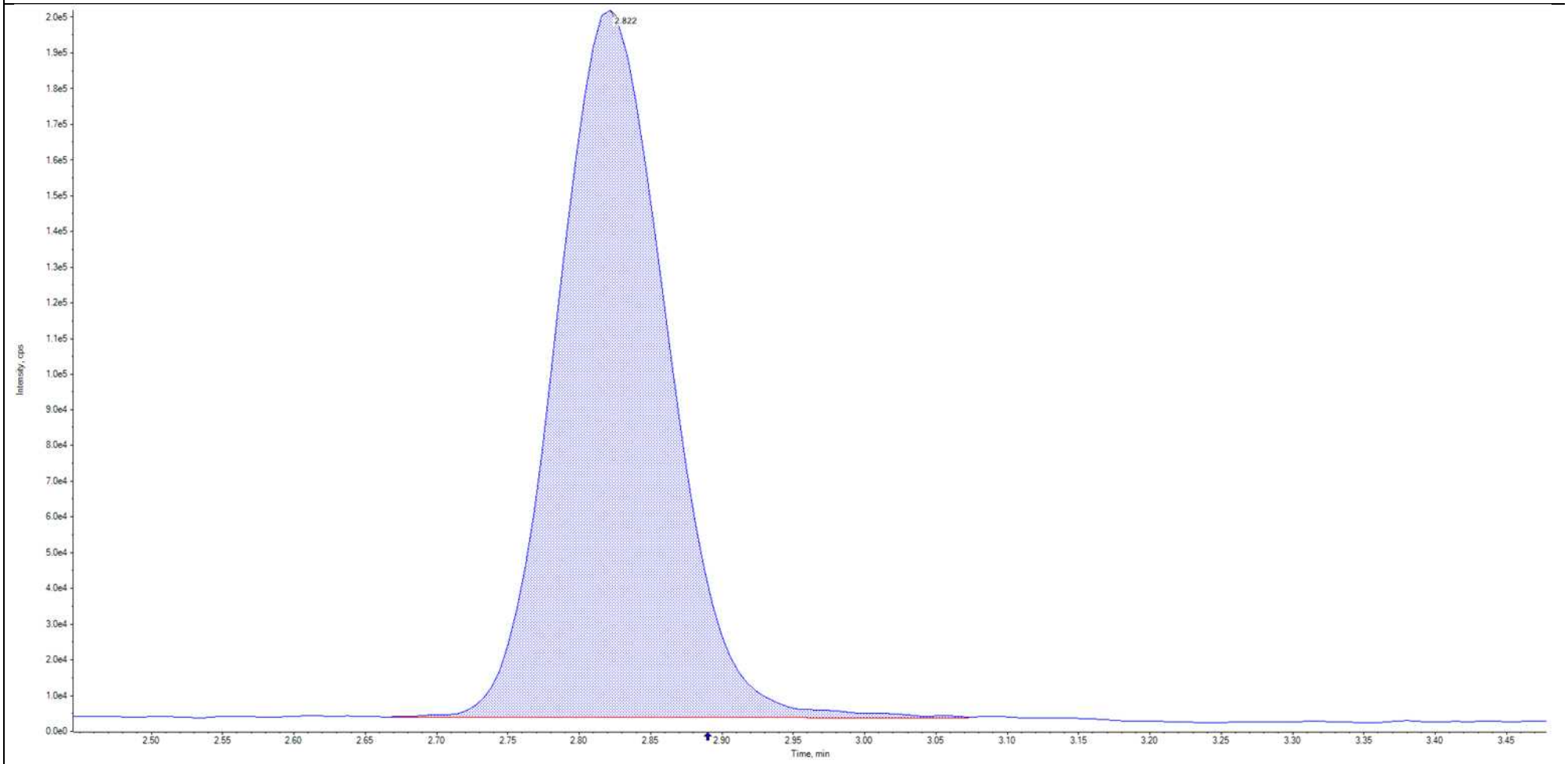


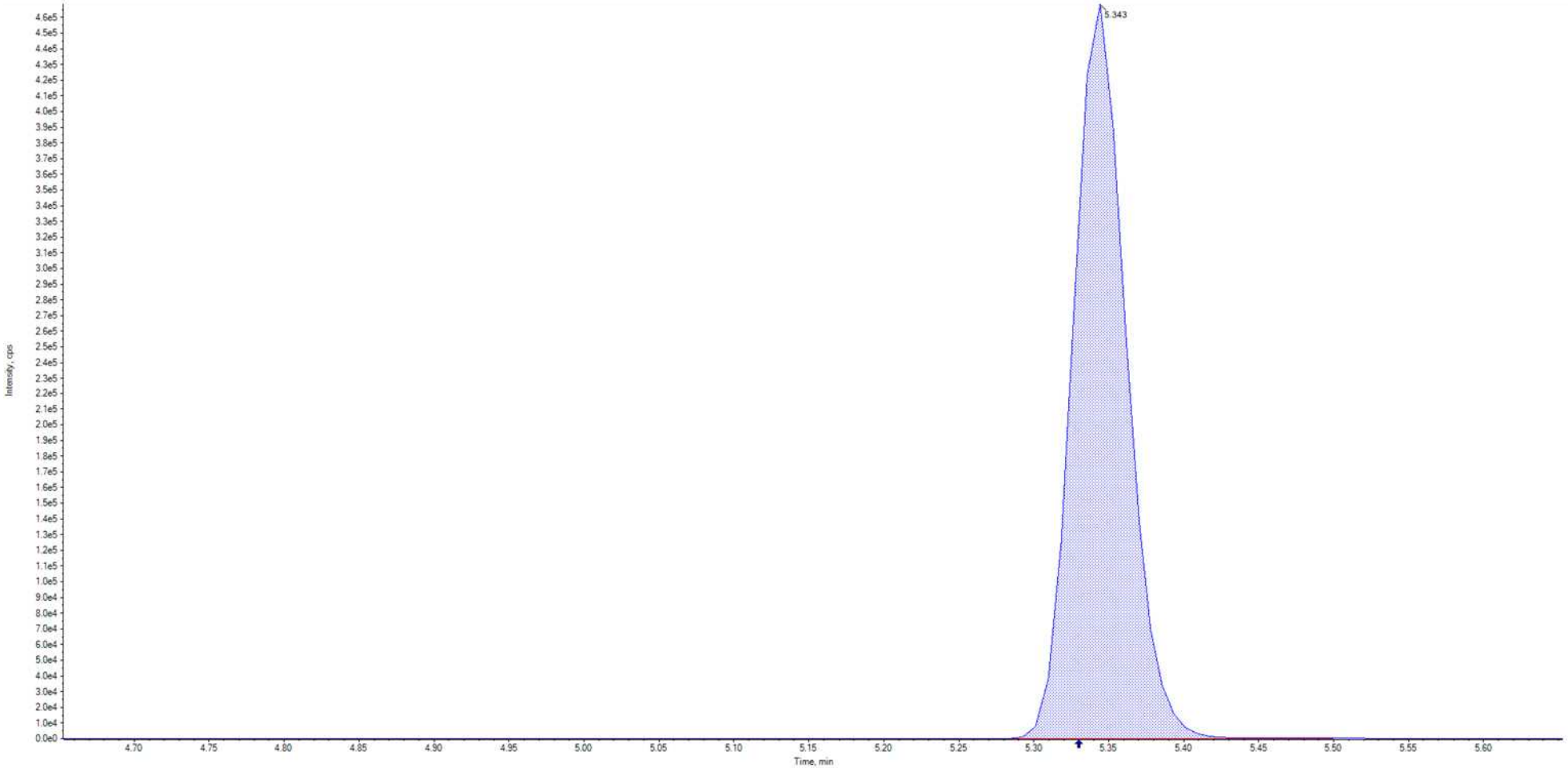
13C3-HFPO-DA
Sample: L2447503-08



13C3-PFBA
Sample: L2447503-08



13C2-PFHxA
Sample: L2447503-08



13C4-PFOA
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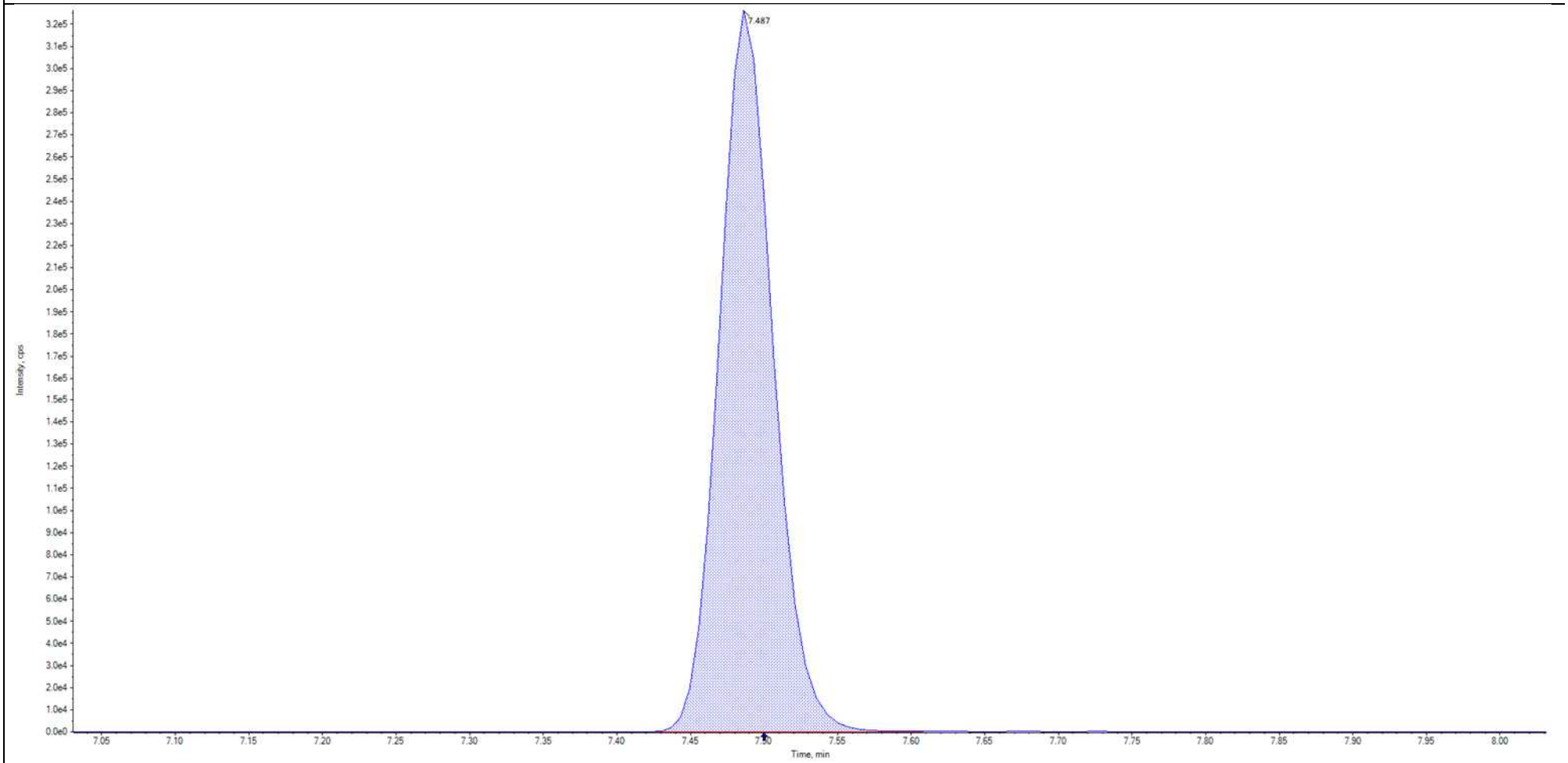

13C5-PFNA
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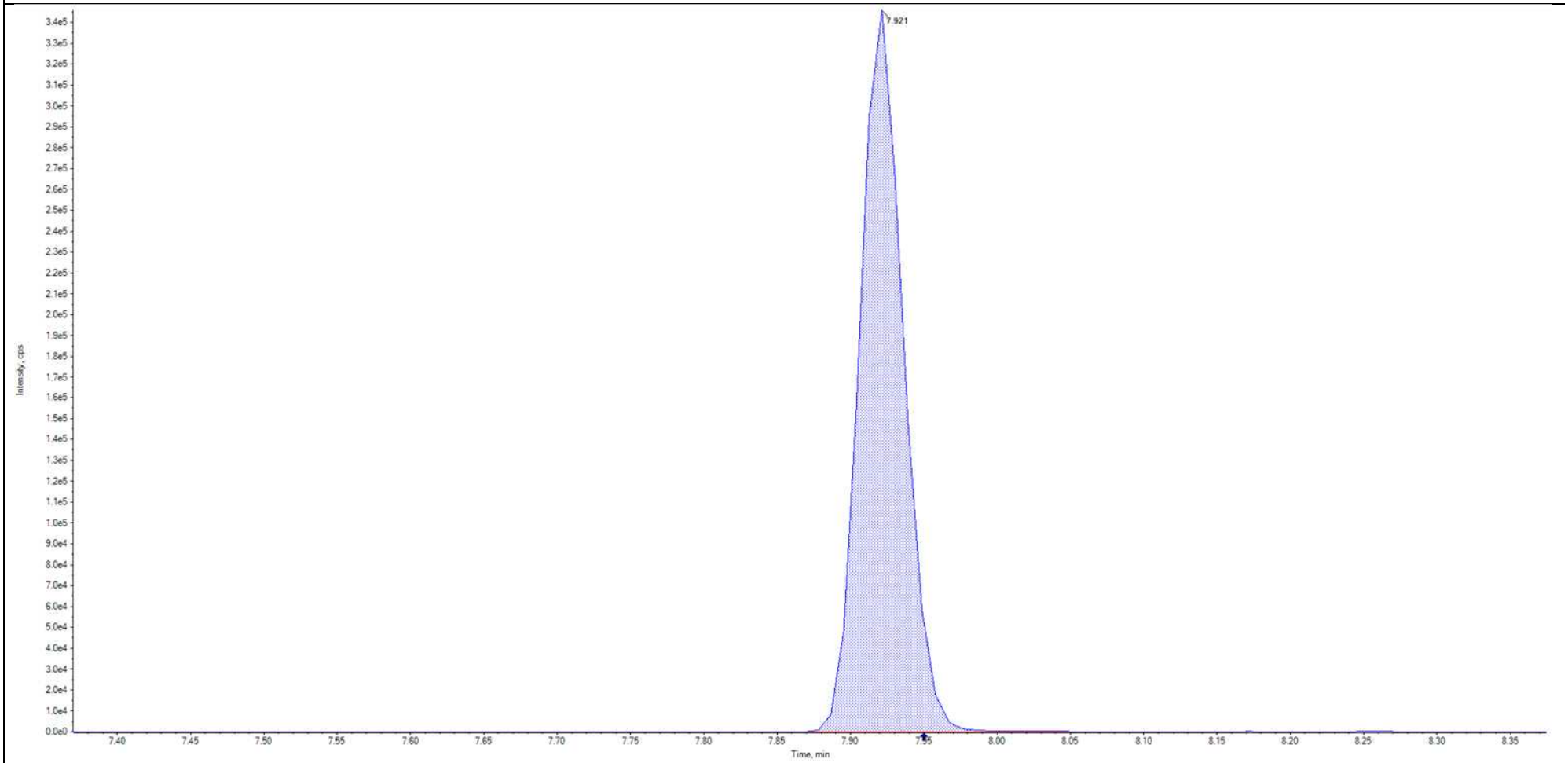

13C2-PFDA
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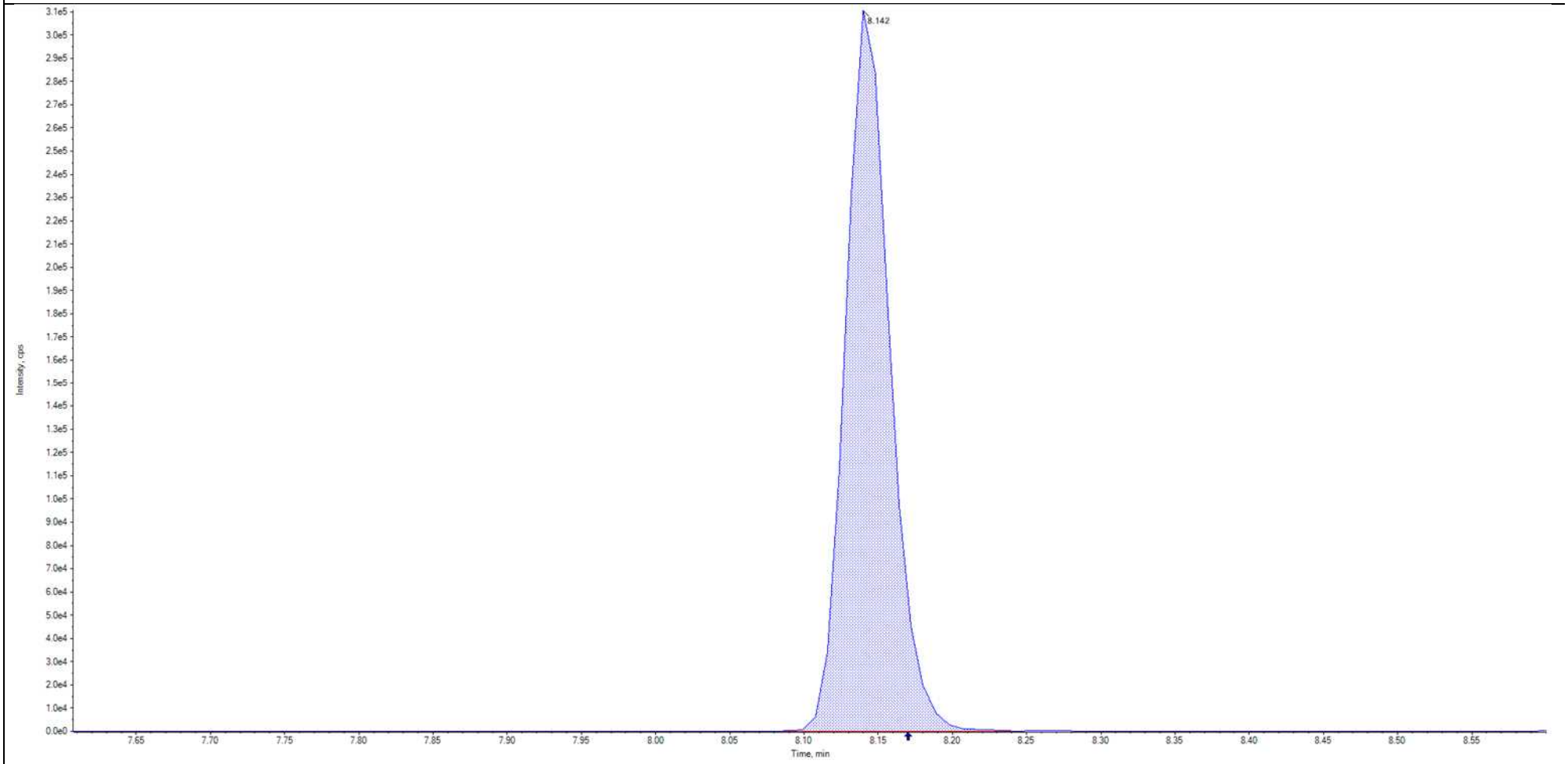

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18O2-PFHxS
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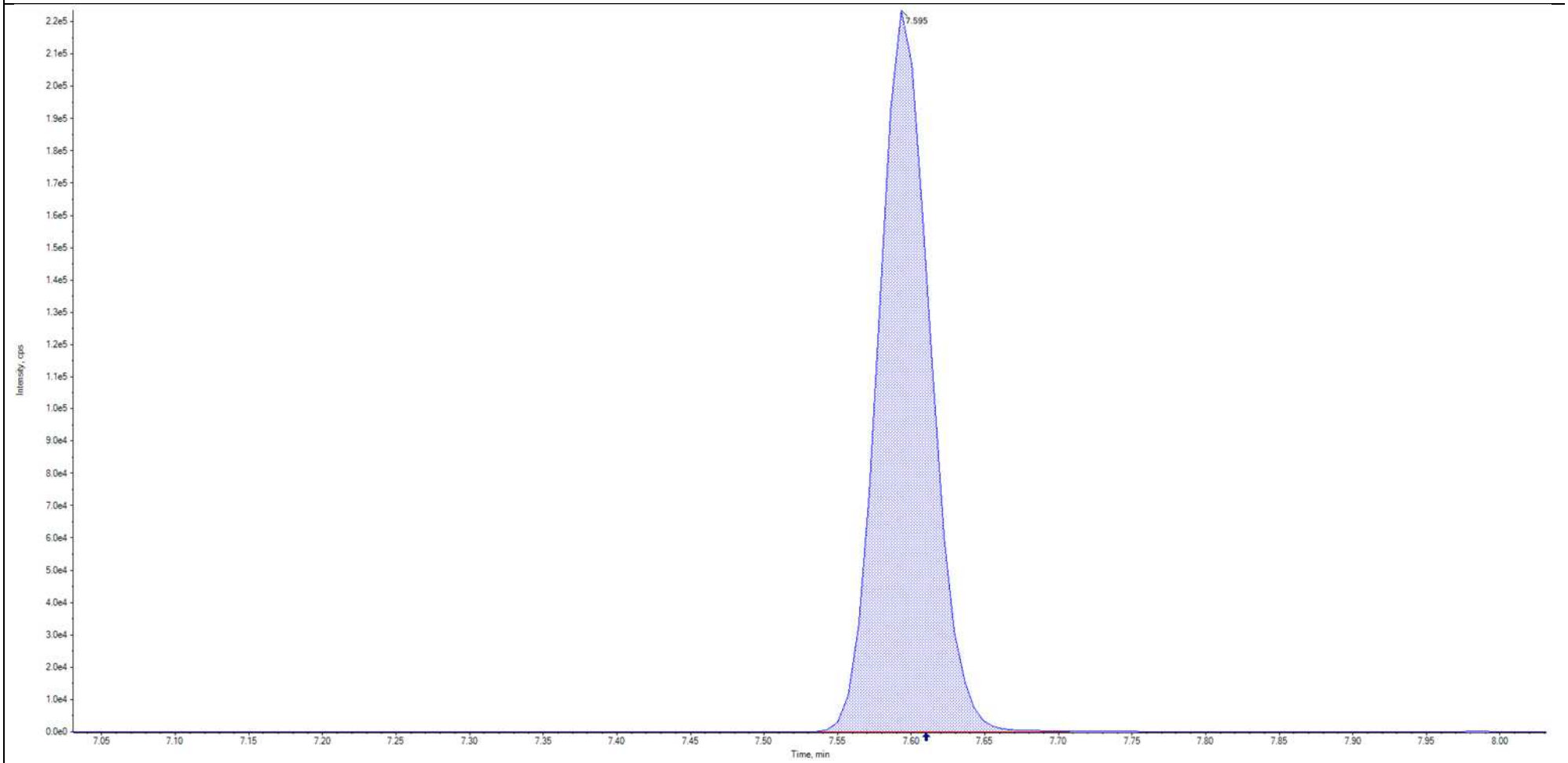

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13C4-PFOS
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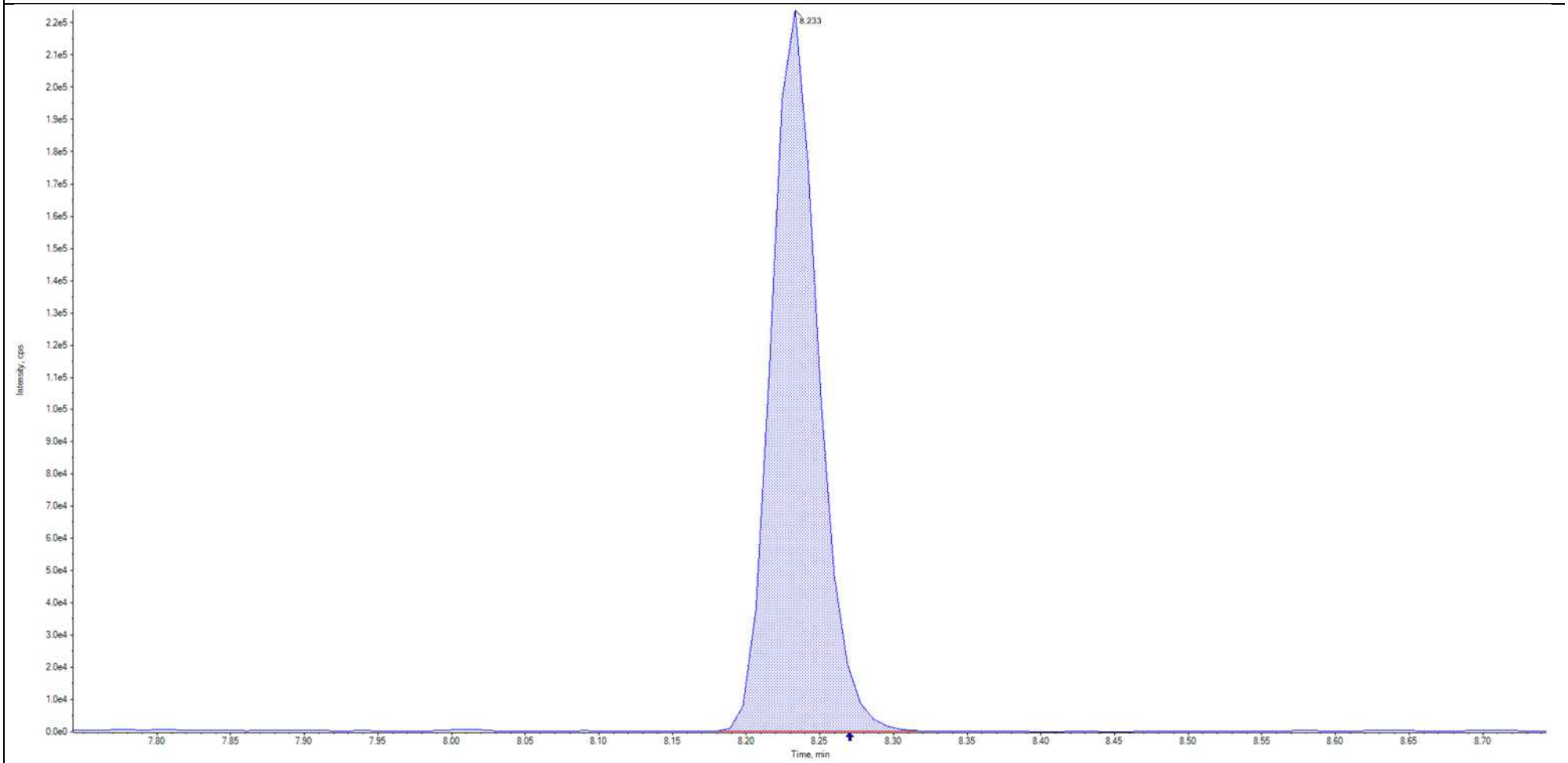

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Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

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Description: WG1972379,WG1971858,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	2.84	213.0 / 169.0	29595		0.161	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	4.67	263.0 / 219.0	57470		0.209	0.012	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	4.67	263.0 / 68.9	702		0.362	0.012	0.007	N/A	N/A
4	PFHxA	307-24-4	5.36	313.0 / 269.0	85593		0.192	0.093	0.072	Pass	N/A
5	PFHxA_2	307-24-4	5.36	313.0 / 119.0	7984	M7	0.243	0.093	0.072	Pass	N/A
6	PFHpA	375-85-9	6.28	363.1 / 319.0	65983		0.162	0.307	0.297	Pass	N/A
7	PFHpA_2	375-85-9	6.28	363.1 / 169.0	20245		0.162	0.307	0.297	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	7.50	413.1 / 369.1	72188	M5	0.273	0.496	0.586	Pass	N/A
9	PFOA_2	335-67-1	7.50	413.1 / 169.0	35800	M7	0.247	0.496	0.586	Pass	N/A
10	PFNA	375-95-1	7.93	462.8 / 418.9	9982	M4	0.032	0.211	0.313	Pass	N/A
11	PFNA_2	375-95-1	7.94	462.8 / 218.9	2108	M7	0.022	0.211	0.313	Pass	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	5.34	299.1 / 80.1	19902		0.068	0.288	0.396	Pass	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	5.33	299.1 / 99.1	5723	M7	0.049	0.288	0.396	Pass	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	7.61	399.1 / 80.1	43038	M5	0.192	0.321	0.315	Pass	N/A
27	PFHxS_2	355-46-4	7.61	399.1 / 99.1	13825	M7	0.199	0.321	0.315	Pass	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	8.23	499.1 / 80.1	54690	M5	0.296	0.202	0.238	Pass	N/A
31	PFOS_2	1763-23-1	8.24	499.1 / 99.1	11030		0.244	0.202	0.238	Pass	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.487	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	N/A	285.0 / 169.0	N/A		N/A	N/A	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.83	217.0 / 172.0	2261996		8.228	NA	NA	NA	82.3

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	4.66	268.0 / 223.0	1488356		4.644	NA	NA	NA	92.9
13C5-PFHxA	EIS	5.35	318.0 / 273.0	912700		2.168	NA	NA	NA	86.7
13C4-PFHpA	EIS	6.27	367.0 / 322.0	869118		2.062	NA	NA	NA	82.5
13C8-PFOA	EIS	7.50	421.0 / 376.0	1271800		2.182	NA	NA	NA	87.3
13C9-PFNA	EIS	7.93	472.0 / 427.0	526521		0.825	NA	NA	NA	66.0
13C6-PFDA	EIS	8.15	519.0 / 474.0	417864		0.720	NA	NA	NA	57.6
13C7-PFUnA	EIS	8.42	570.0 / 525.0	301881		0.642	NA	NA	NA	51.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	257180		0.841	NA	NA	NA	67.3
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	209346		0.631	NA	NA	NA	50.5
	13C3-PFBS	EIS	5.33	302.1 / 80.1	700226		1.891	NA	NA	NA	81.1
	13C3-PFHxS	EIS	7.61	402.1 / 80.1	561627		1.909	NA	NA	NA	80.6
	13C8-PFOS	EIS	8.24	507.1 / 80.1	449245		1.433	NA	NA	NA	59.8
	13C2-4:2FTS	EIS	5.15	329.1 / 81.1	257825		3.901	NA	NA	NA	83.2
	13C2-6:2FTS	EIS	7.11	429.2 / 81.1	164369		3.393	NA	NA	NA	71.4
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	192670		2.718	NA	NA	NA	56.6

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C8-PFOSA	EIS	9.51	506.1 / 78.1	661033		1.586	NA	NA	NA	63.4
d3-NMeFOSA	EIS	10.15	515.2 / 219.0	104659		1.492	NA	NA	NA	59.7
d5-NEtFOSA	EIS	10.36	531.2 / 219.0	91542		1.336	NA	NA	NA	53.4
d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	269736		1.700	NA	NA	NA	34.0
d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	203322		2.439	NA	NA	NA	48.8
d7-NMeFOSE	EIS	10.06	623.2 / 58.9	934117		17.239	NA	NA	NA	69.0
d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1385156		17.338	NA	NA	NA	69.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.62	287.0 / 169.0	2465733		8.837	NA	NA	NA	88.4
	13C3-PFBA	NIS	2.83	216.0 / 172.0	1202579		5.624	NA	NA	NA	112.5
	13C2-PFHxA	NIS	5.35	315.0 / 270.0	1250049		2.553	NA	NA	NA	102.1
	13C4-PFOA	NIS	7.50	417.0 / 372.0	762648		2.436	NA	NA	NA	97.4
	13C5-PFNA	NIS	7.93	468.0 / 423.0	777856		1.420	NA	NA	NA	113.6
	13C2-PFDA	NIS	8.15	515.1 / 470.1	682206		1.331	NA	NA	NA	106.5
	18O2-PFHxS	NIS	7.60	403.1 / 84.1	597922		2.552	NA	NA	NA	107.7
	13C4-PFOS	NIS	8.24	503.1 / 80.1	554597		2.634	NA	NA	NA	110.0

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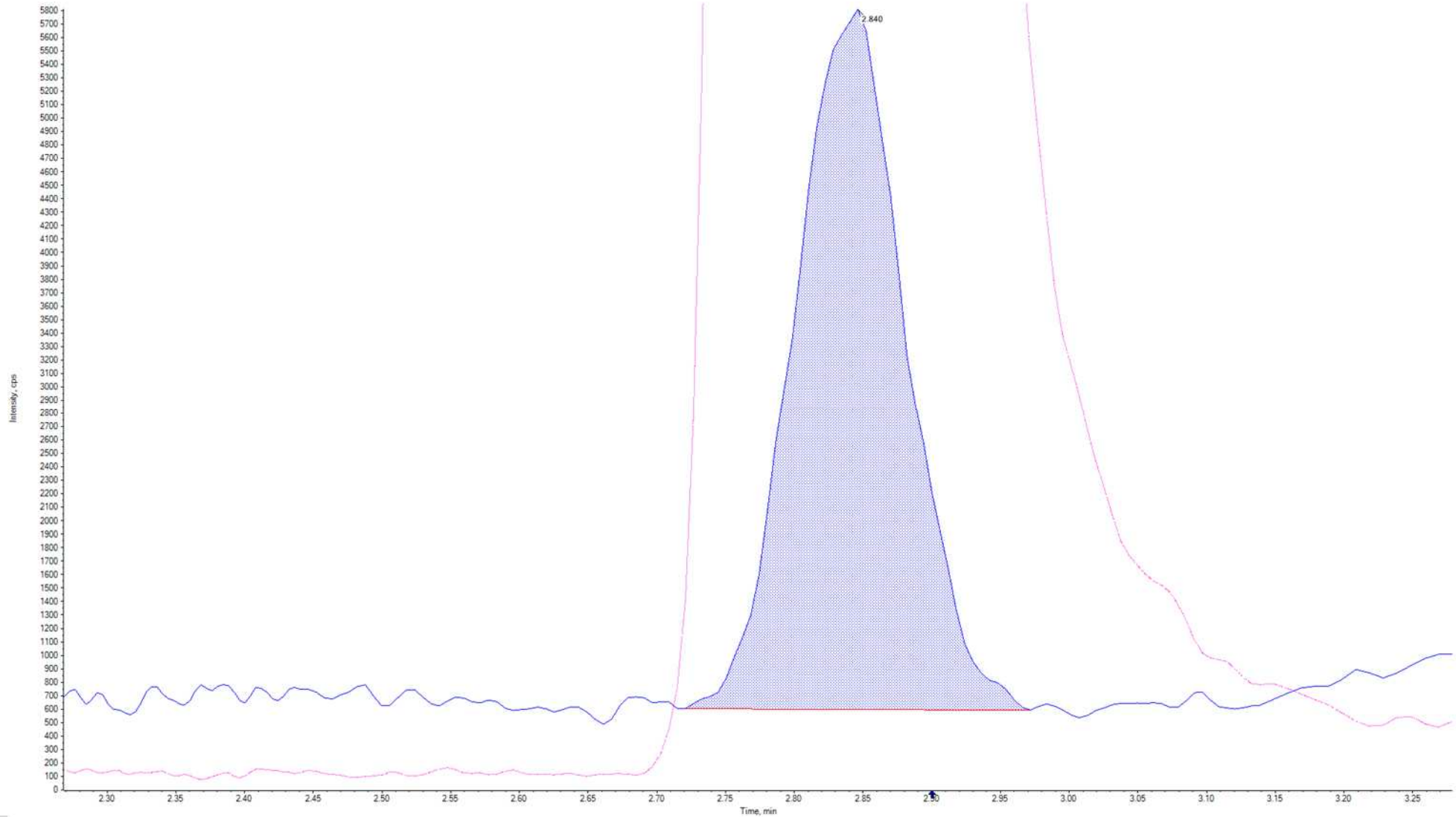
Generated: 9/17/2024 6:15:27 AM

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

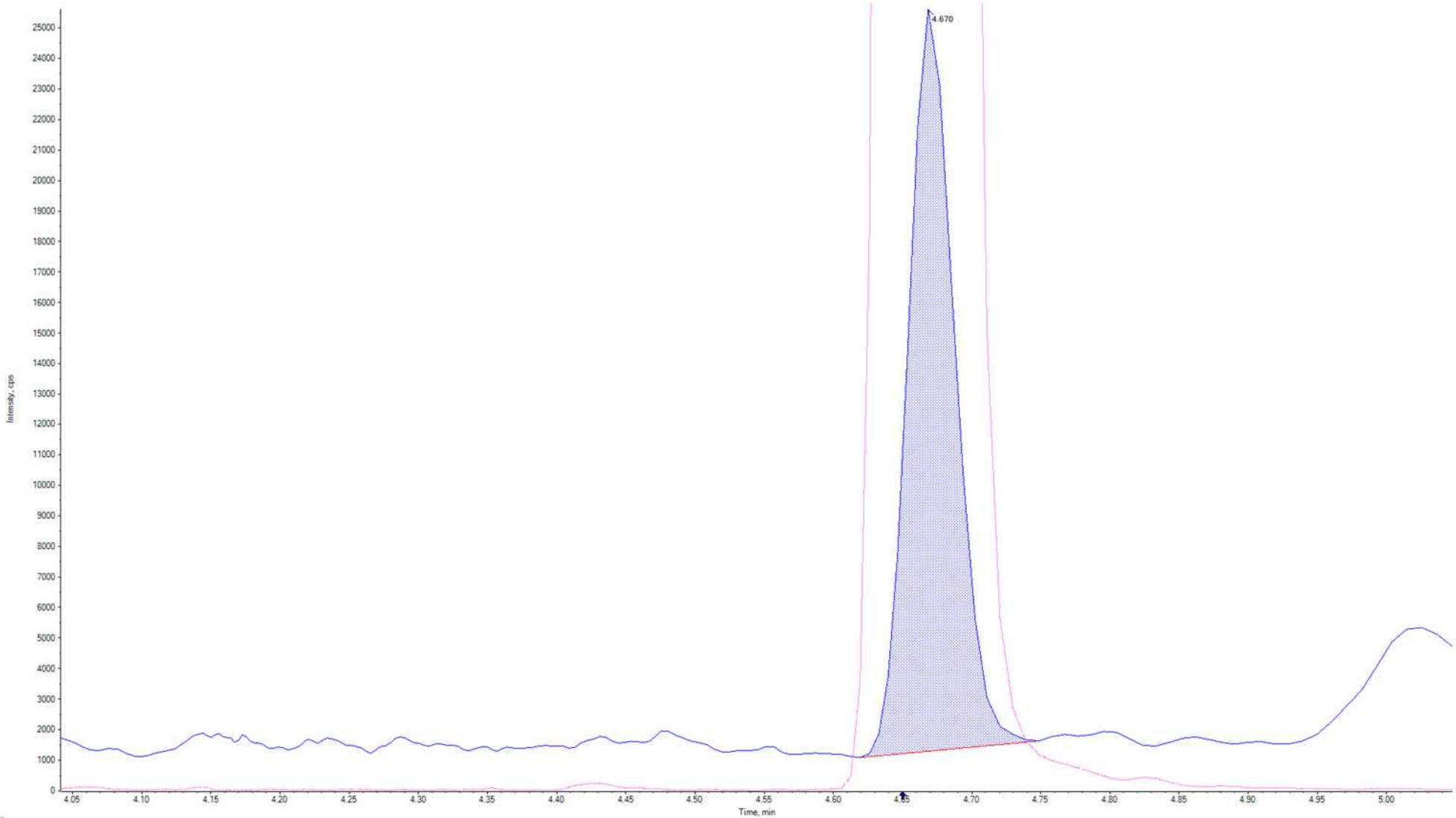
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBA
Sample: L2447503-09 S/N:173.0 Points Across peak:44



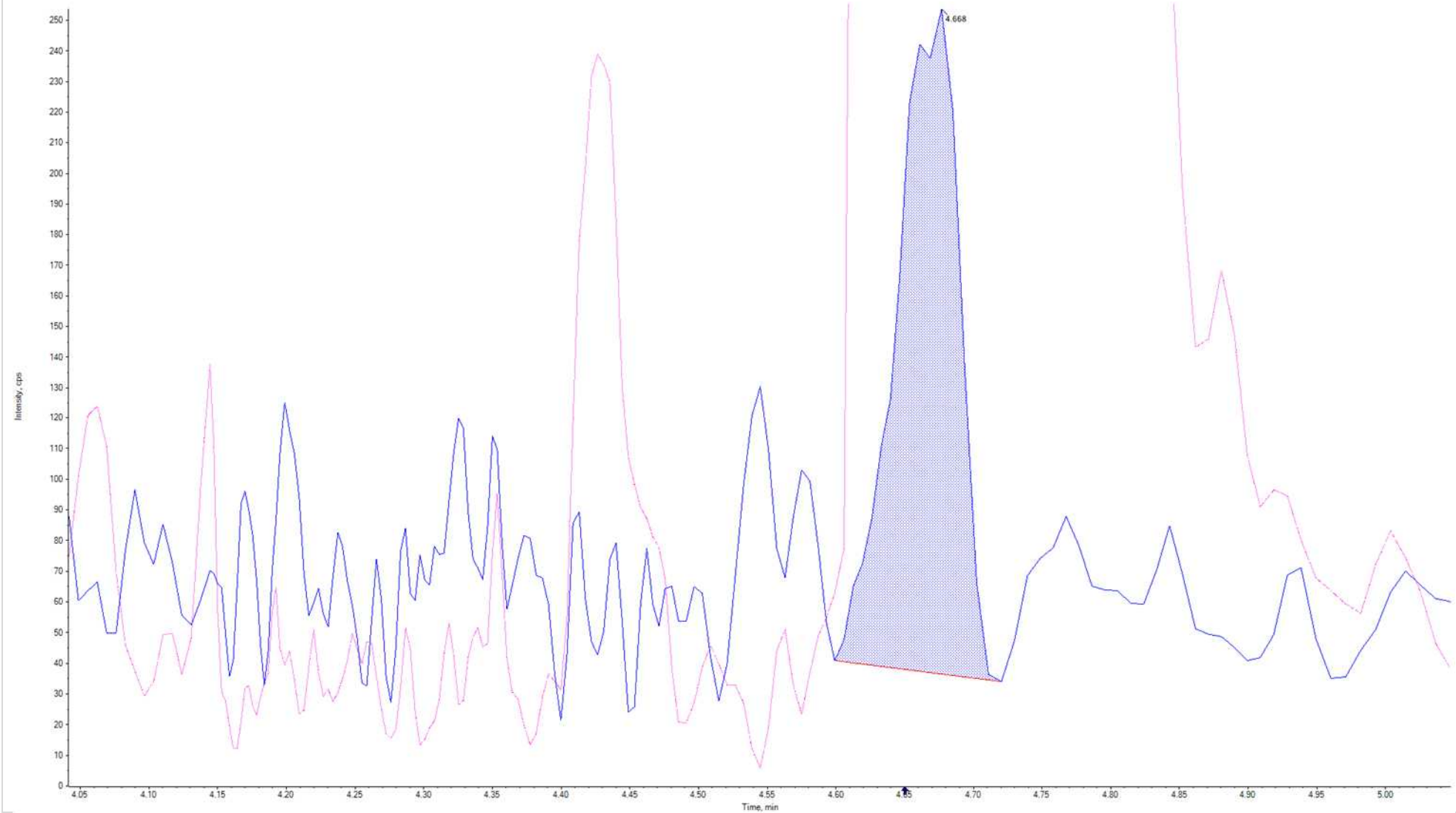
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeA
Sample: L2447503-09 S/N:200.9 Points Across peak:17



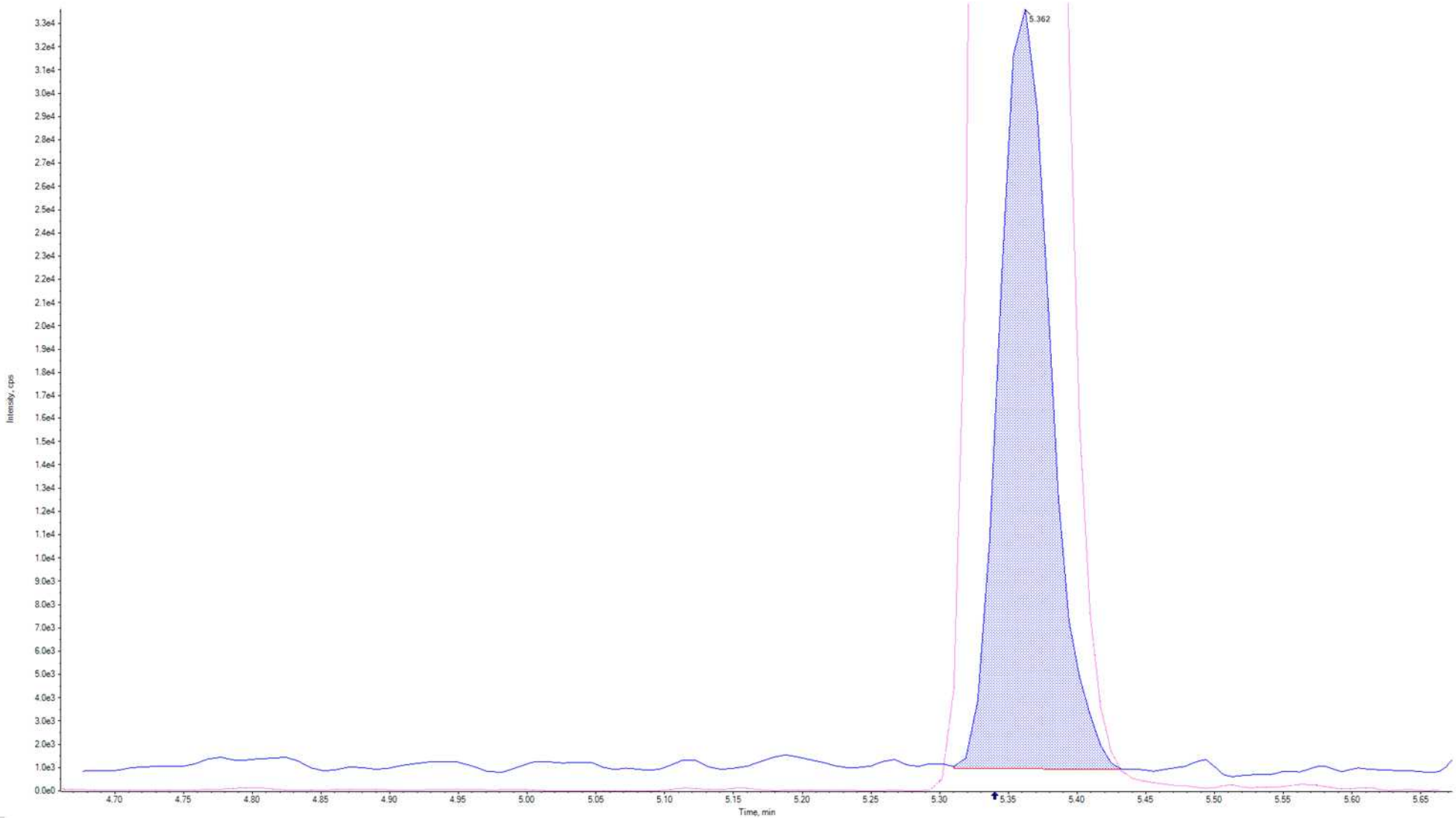
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeA_2
Sample: L2447503-09 S/N:27.5 Points Across peak:17



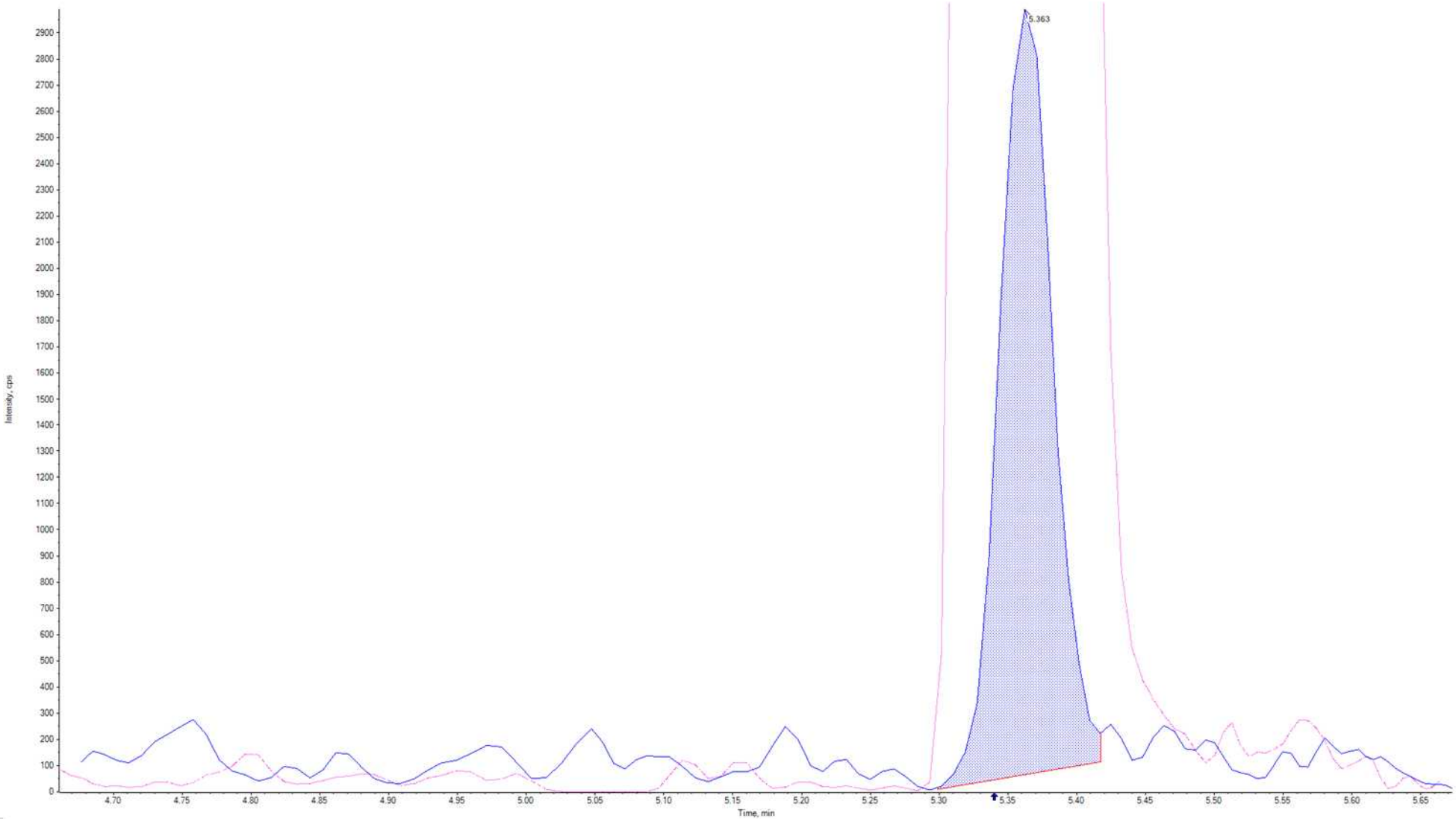
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxA
Sample: L2447503-09 S/N:196.3 Points Across peak:16



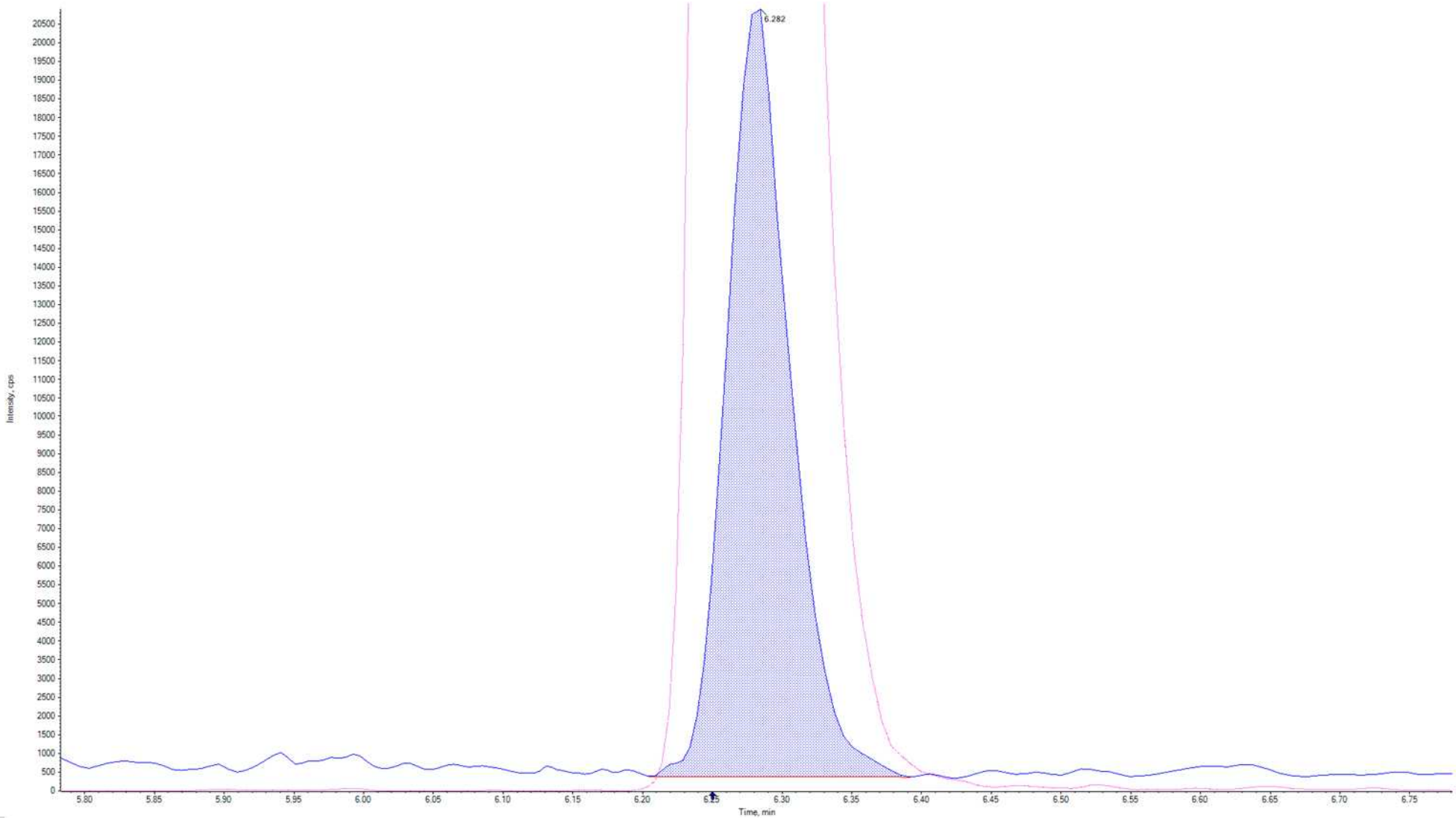
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxA_2
Sample: L2447503-09 S/N:235.2 Points Across peak:17



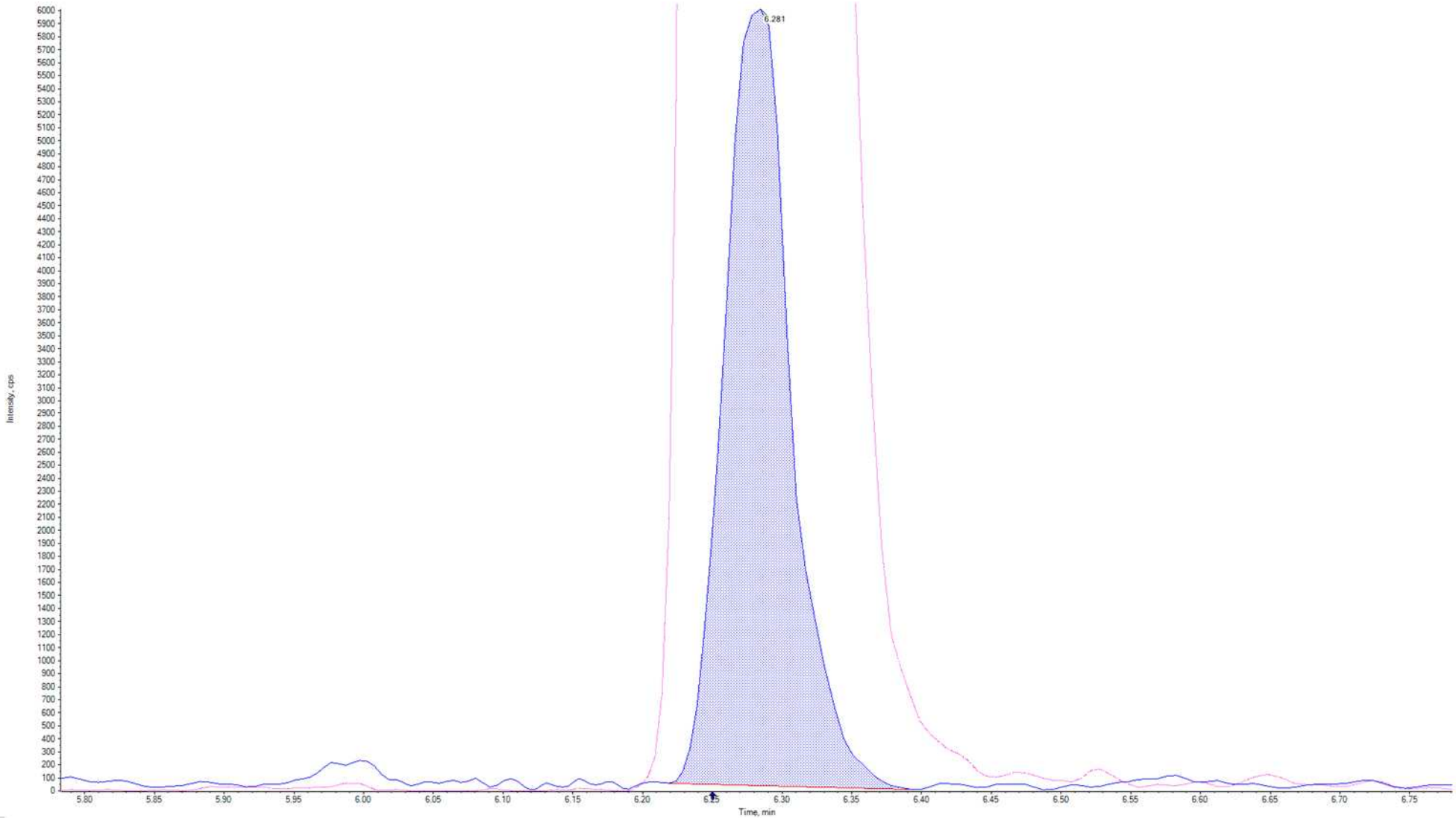
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpA
Sample: L2447503-09 S/N:431.3 Points Across peak:32



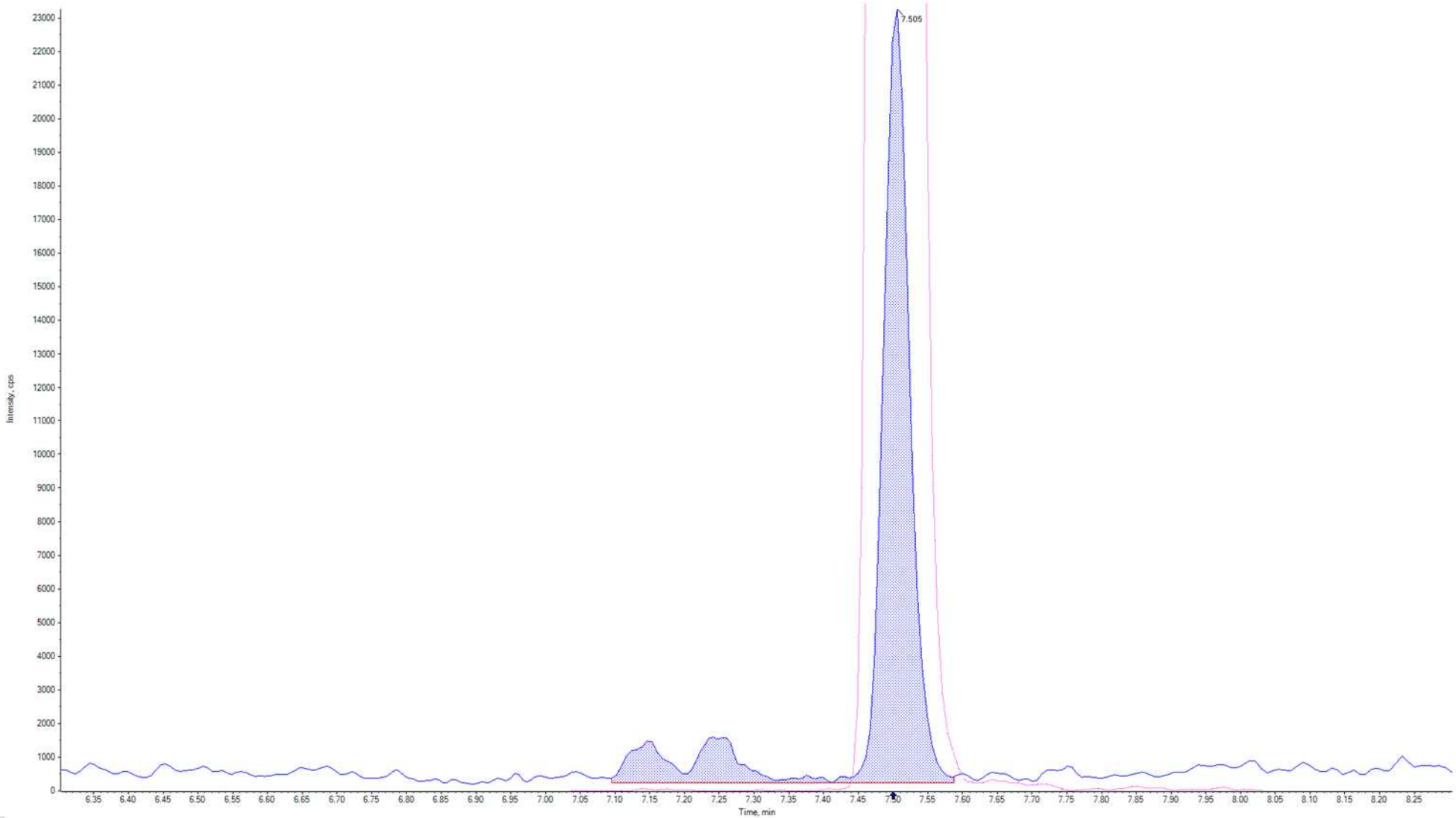
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpA_2
Sample: L2447503-09 S/N:866.1 Points Across peak:30



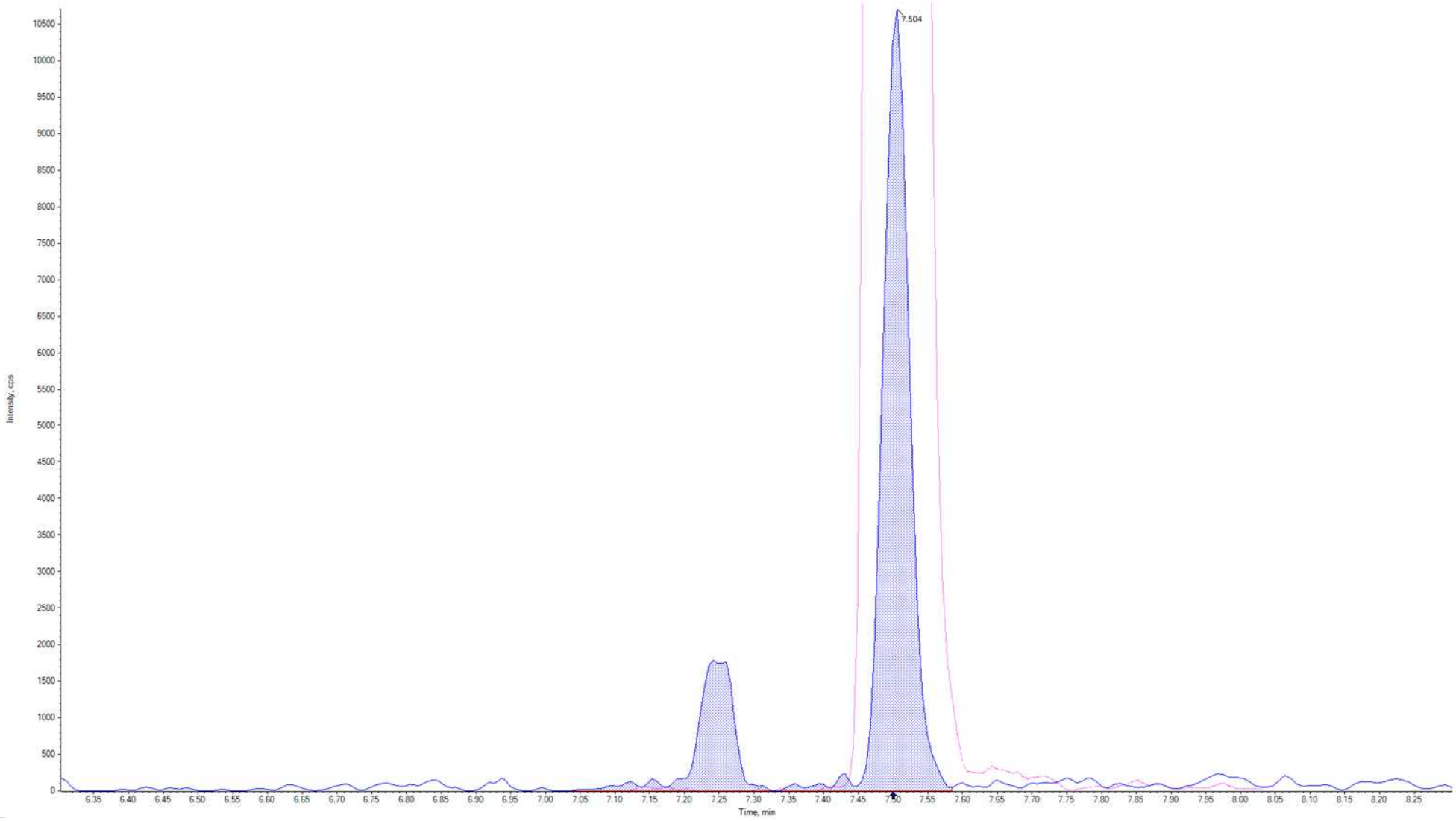
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOA
Sample: L2447503-09 S/N:513.9 Points Across peak:81



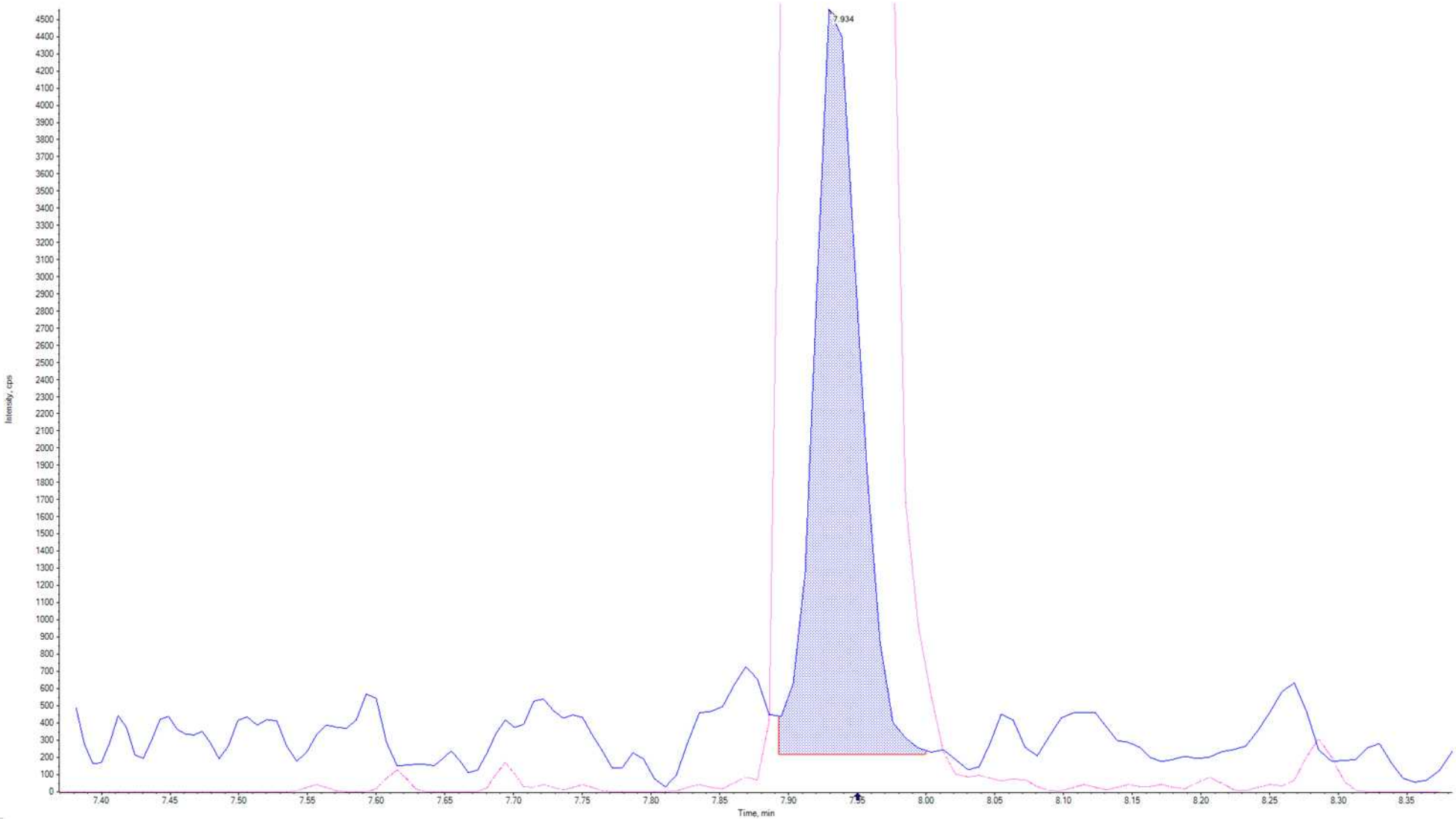
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOA_2
Sample: L2447503-09 S/N:179645.3 Points Across peak:88



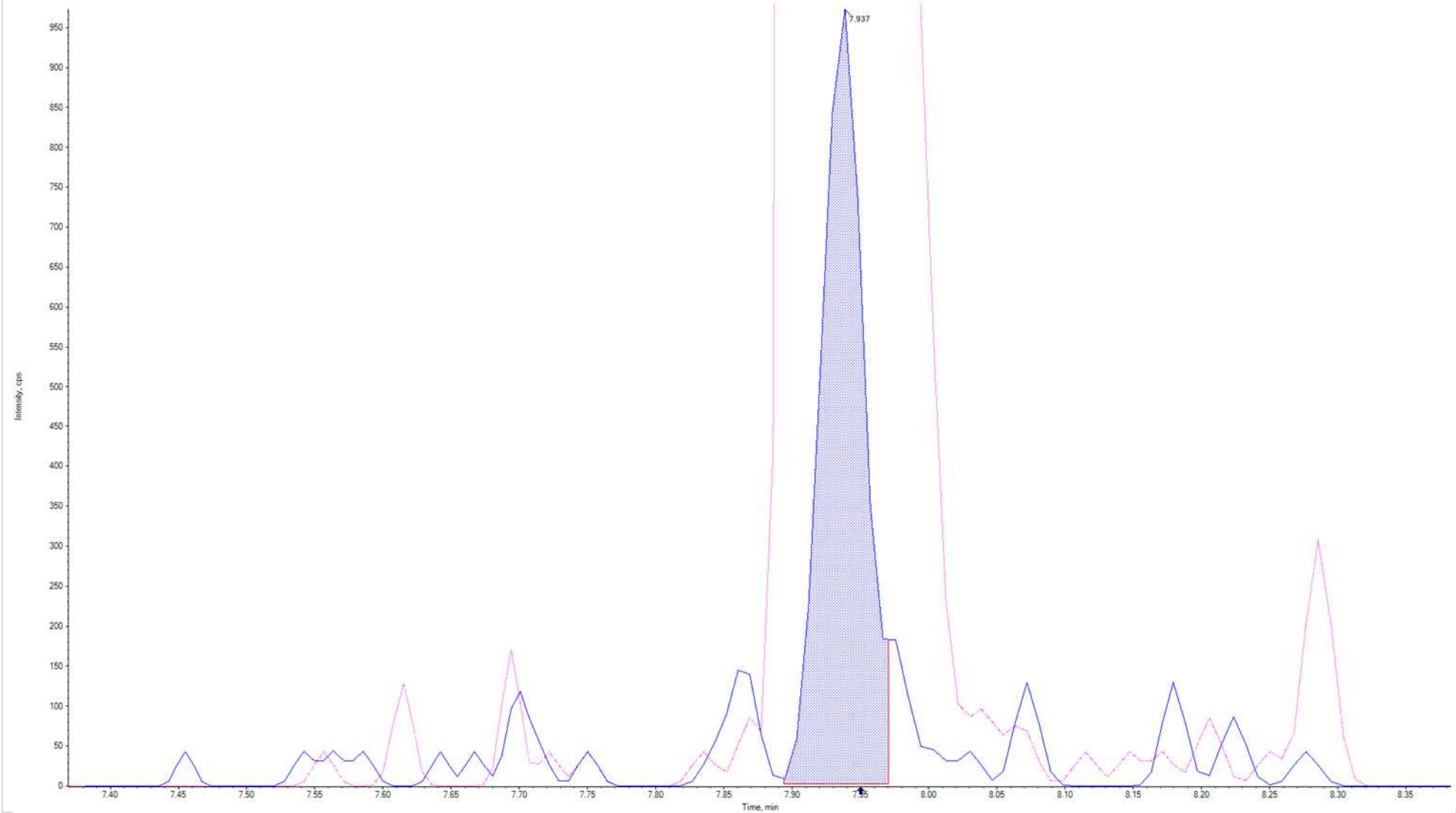
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNA
Sample: L2447503-09 S/N:135.4 Points Across peak:14



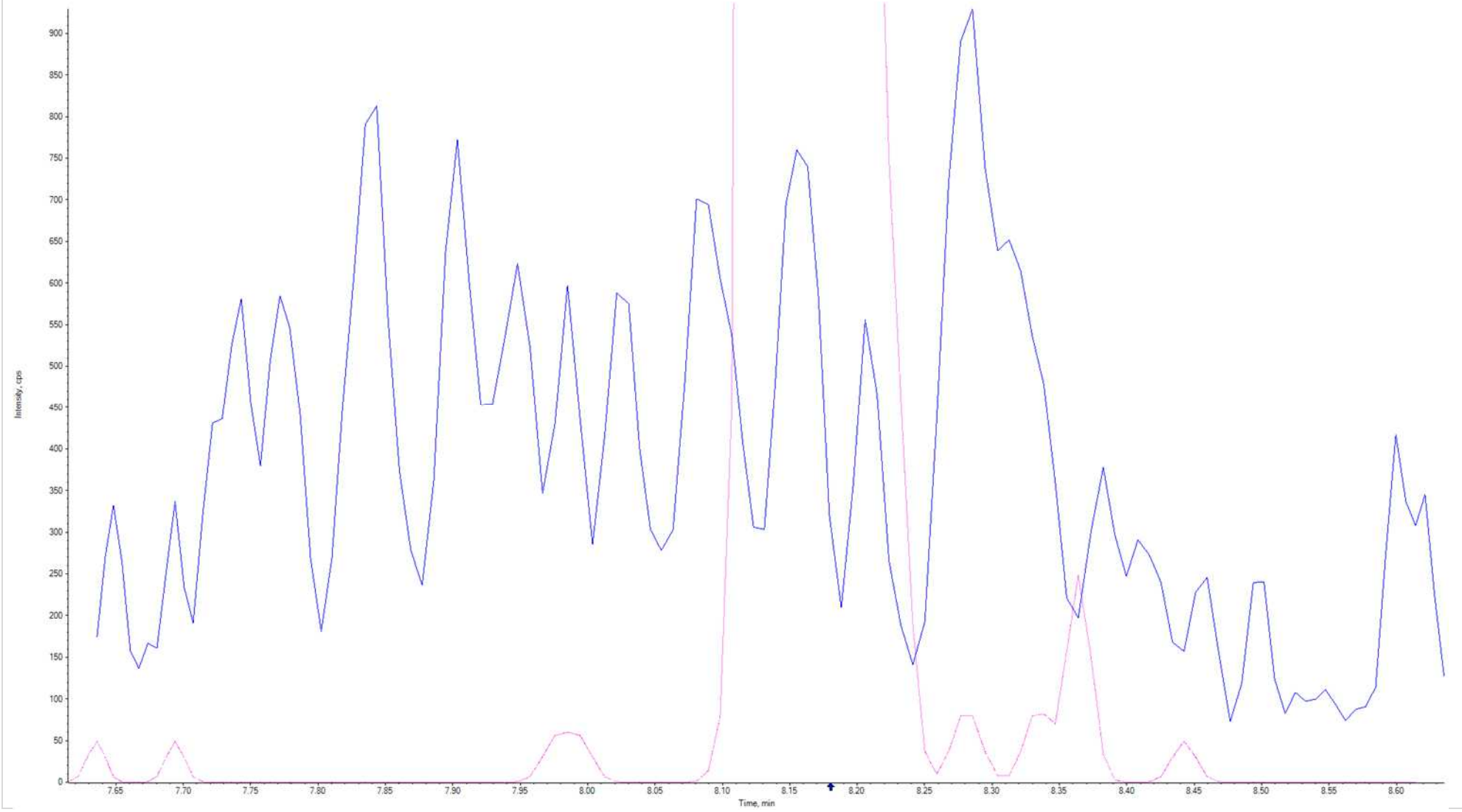
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNA_2
Sample: L2447503-09 S/N:69.7 Points Across peak:11



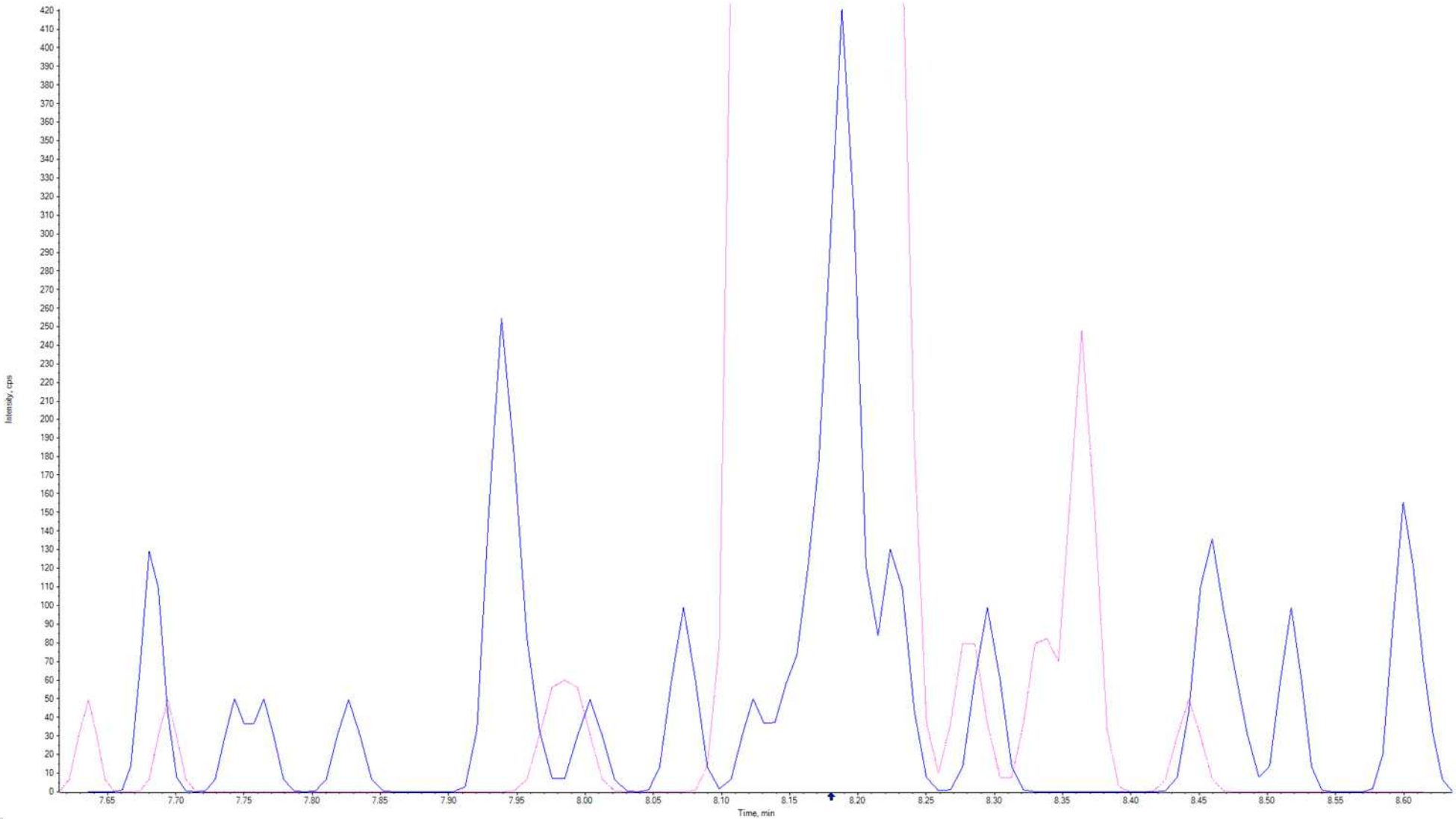
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



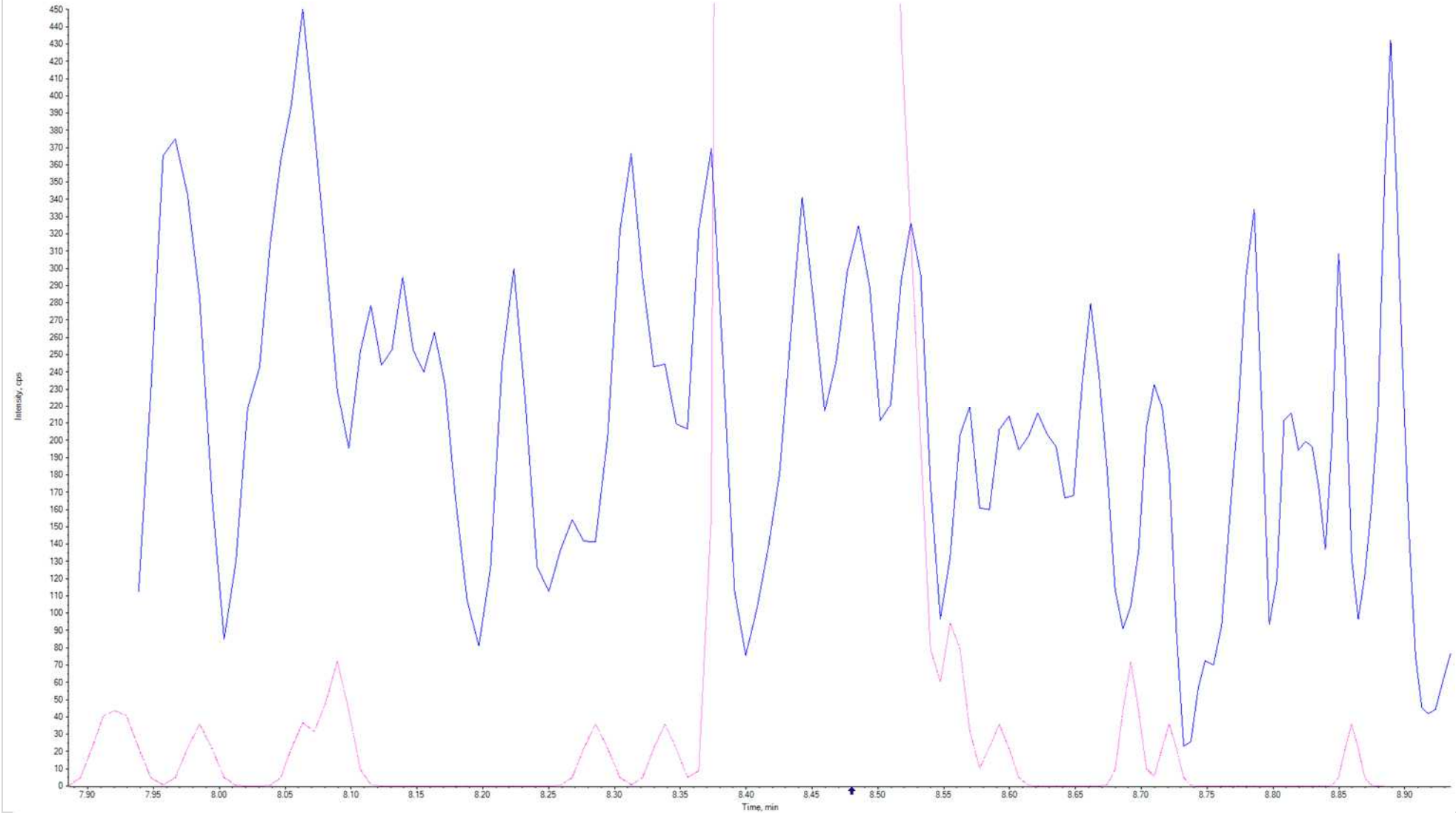
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



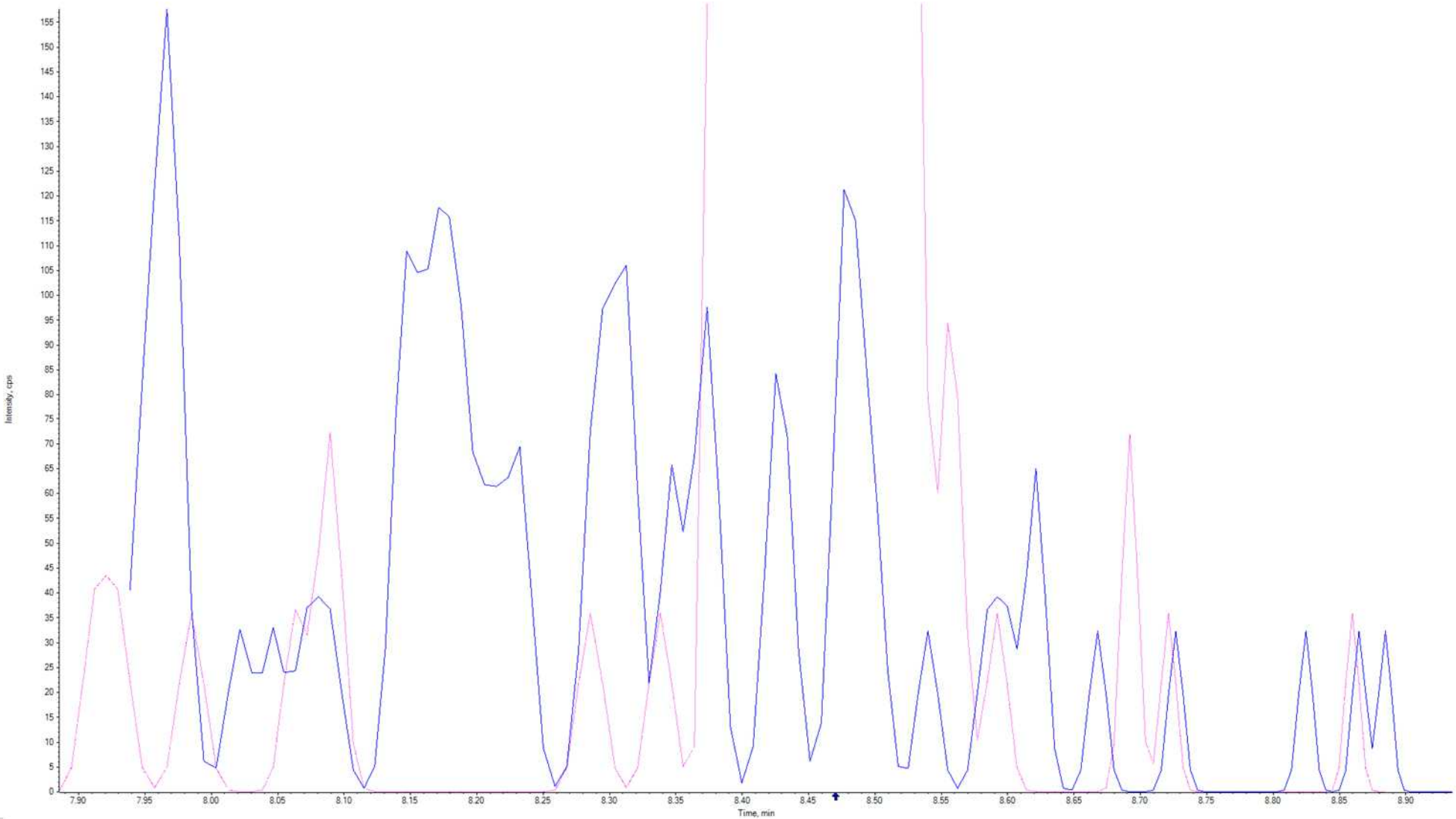
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFUnA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



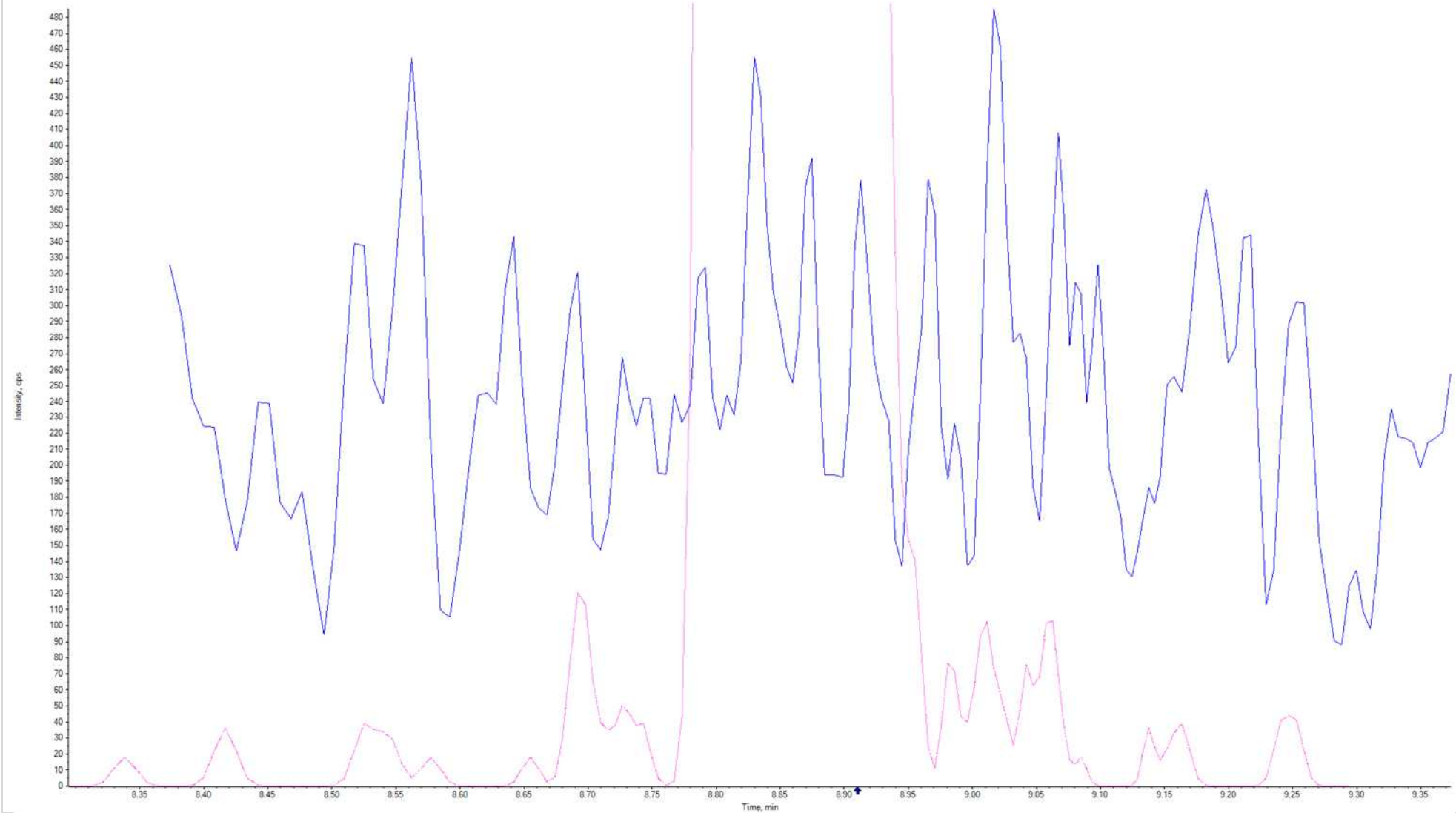
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFUnA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



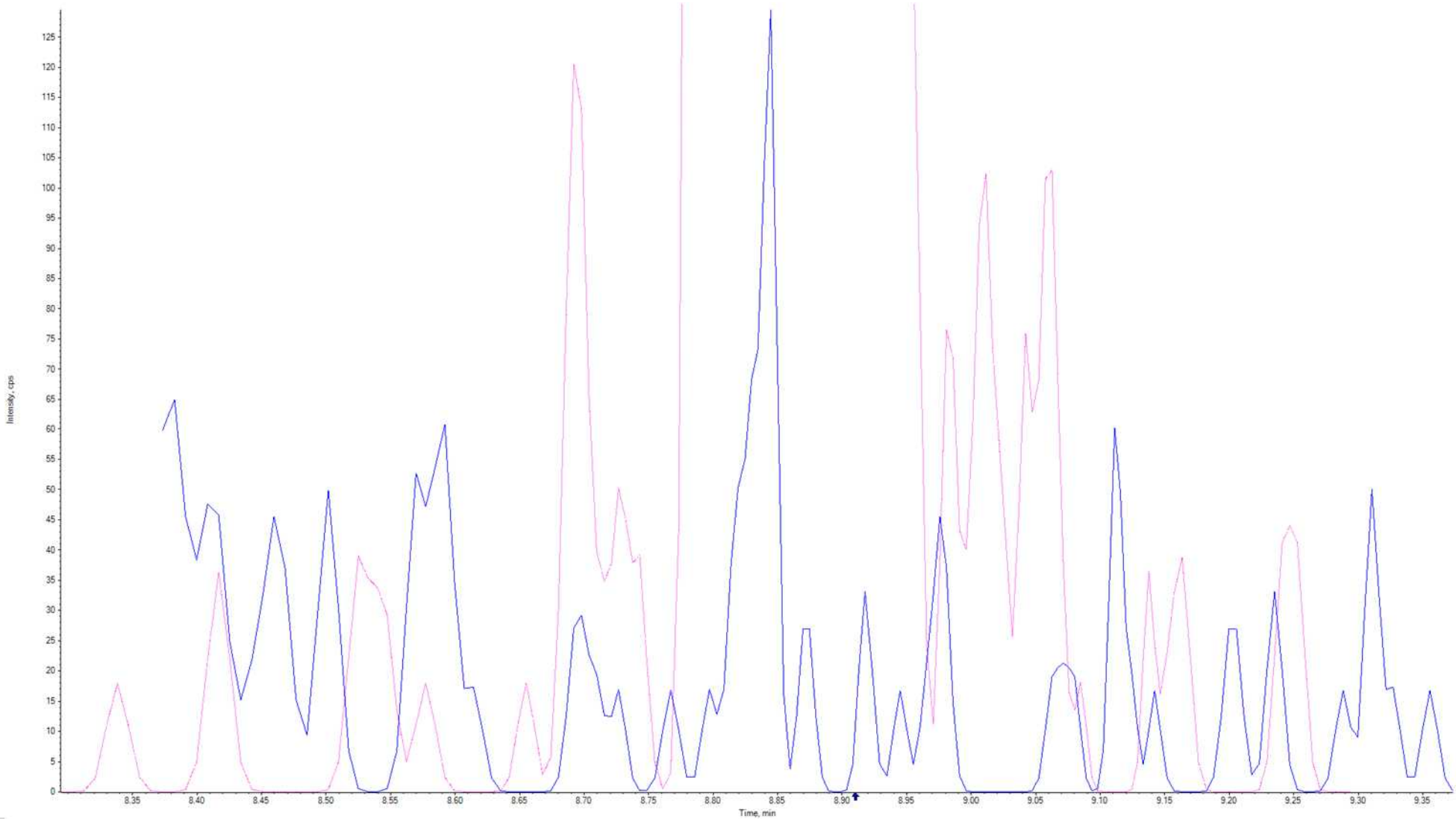
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



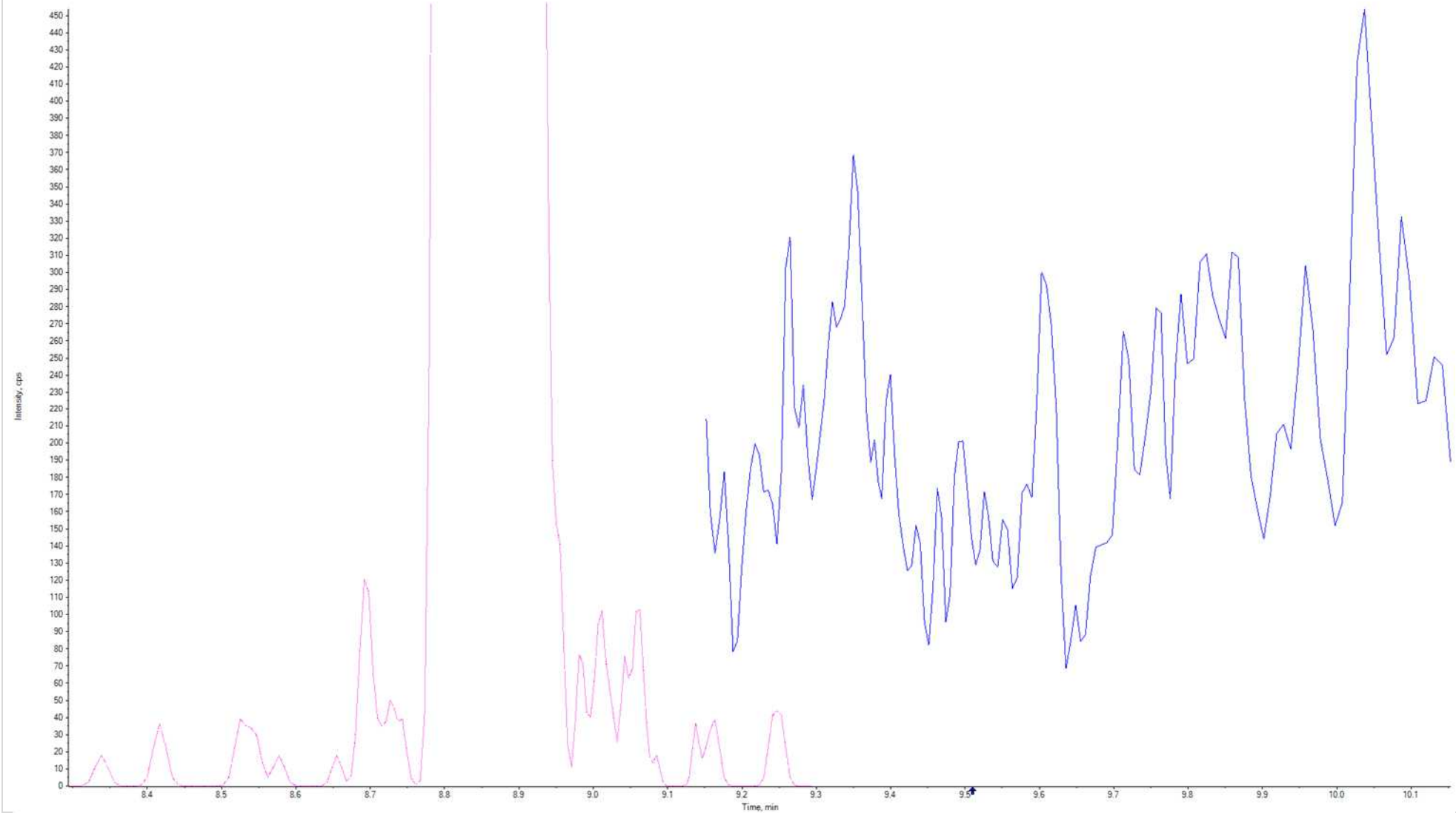
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



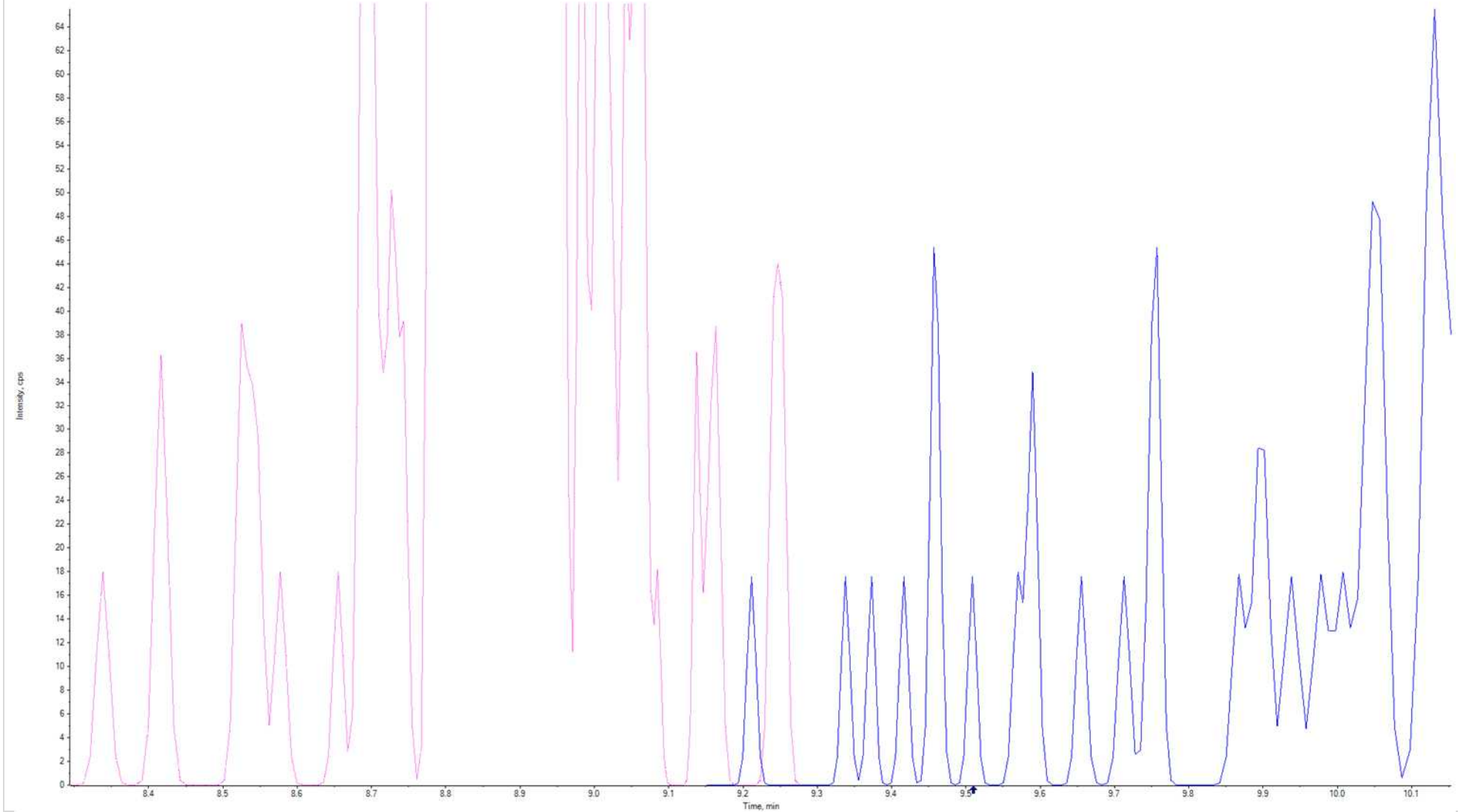
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTrDA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



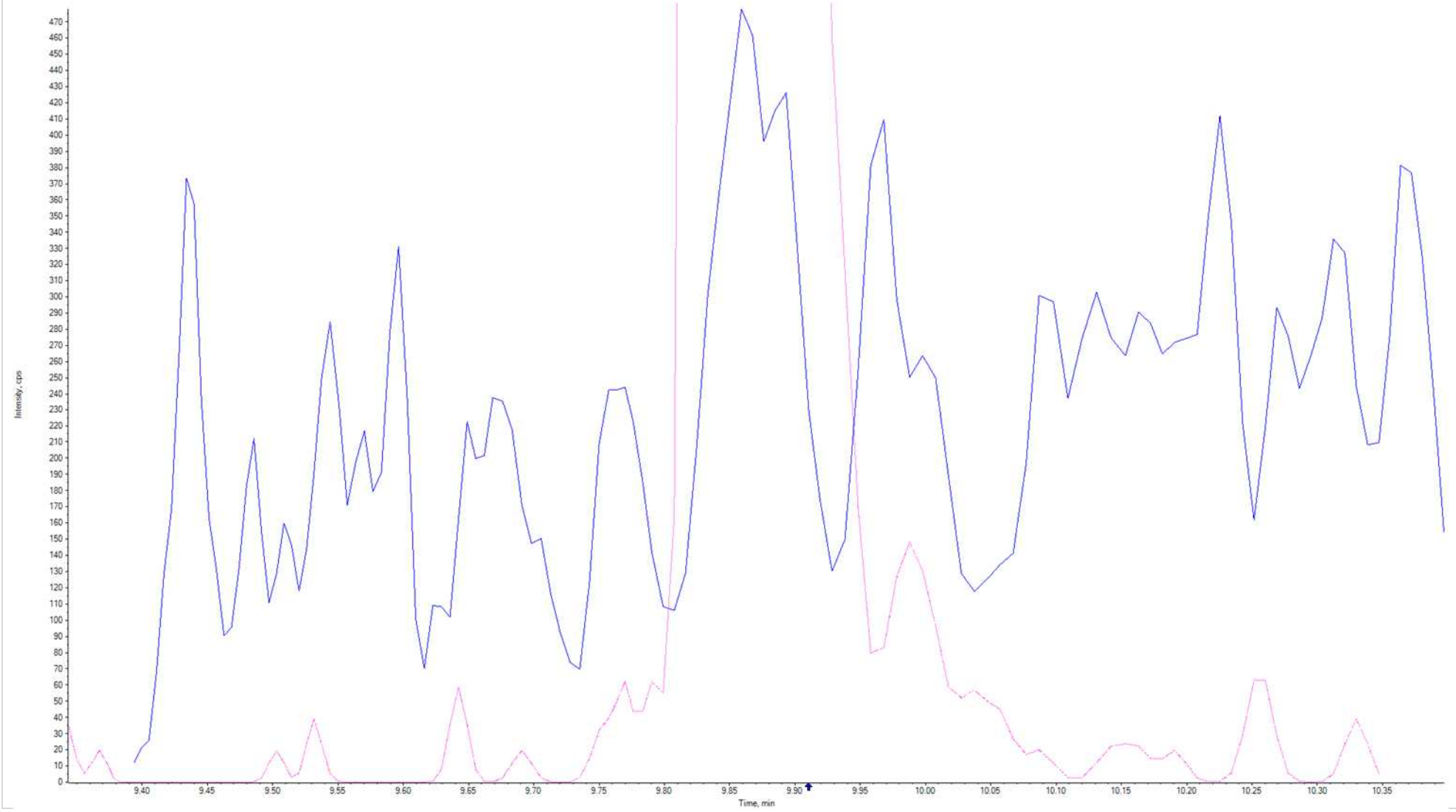
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTrDA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



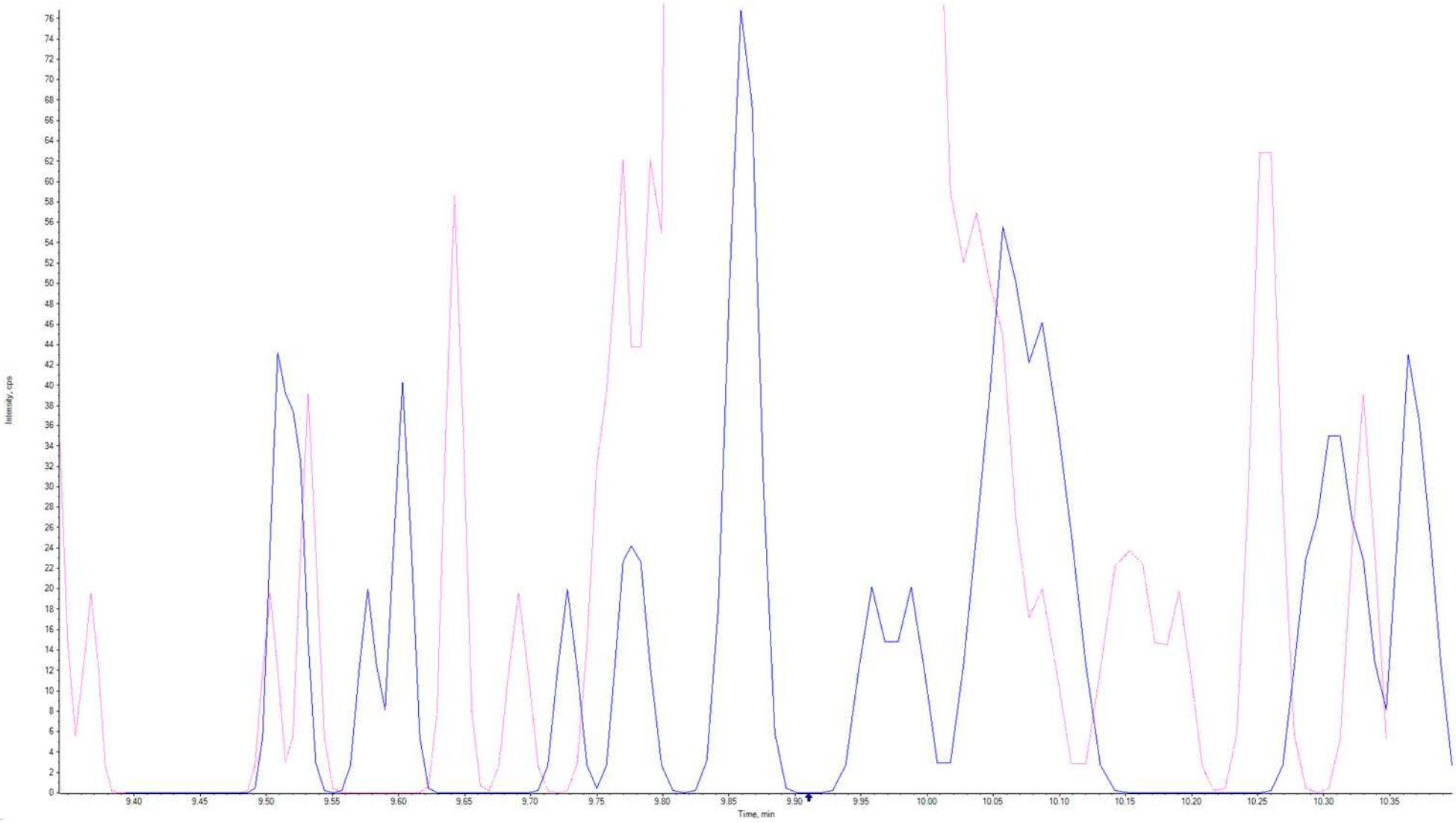
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTeDA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



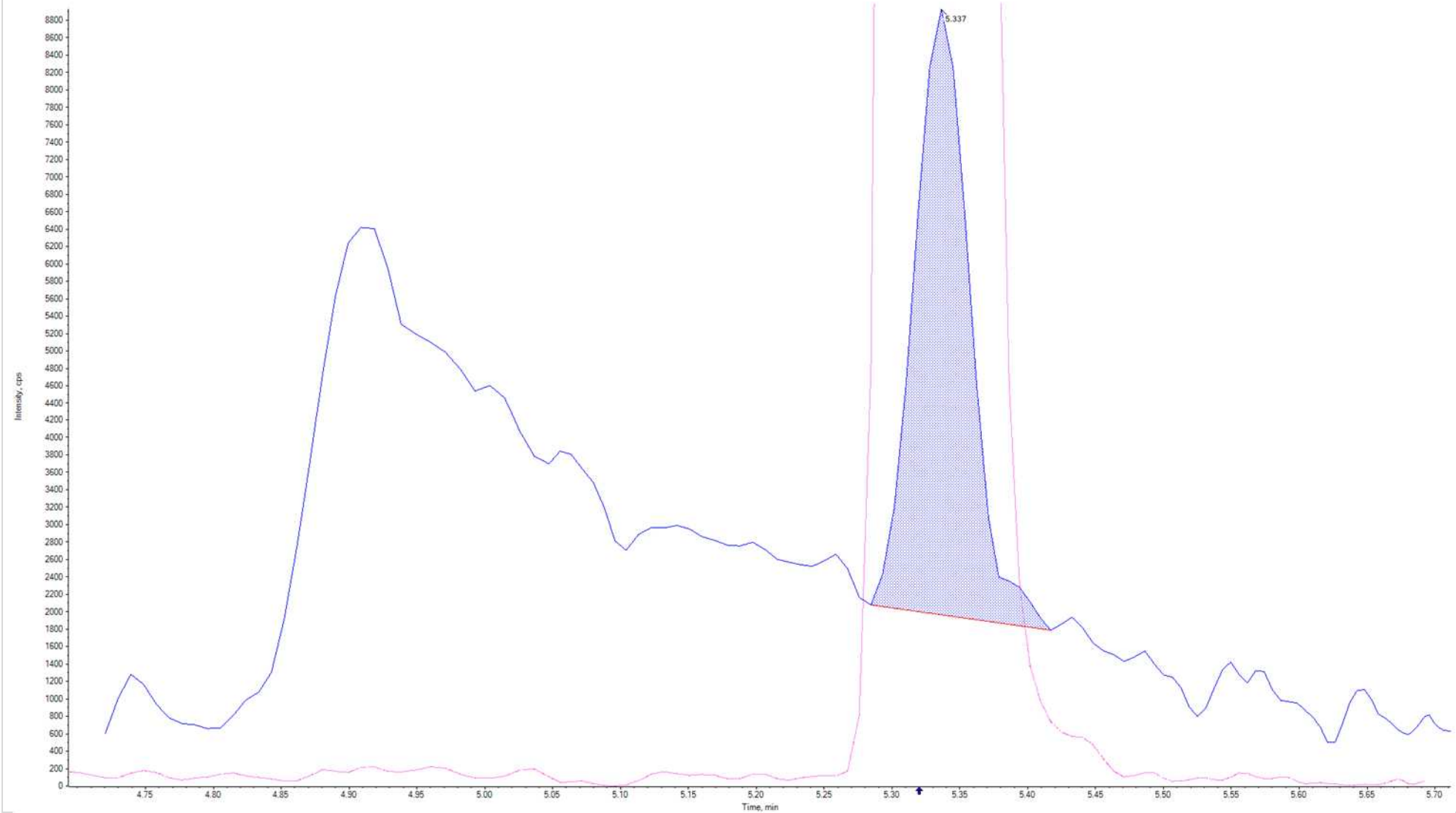
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFTeDA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



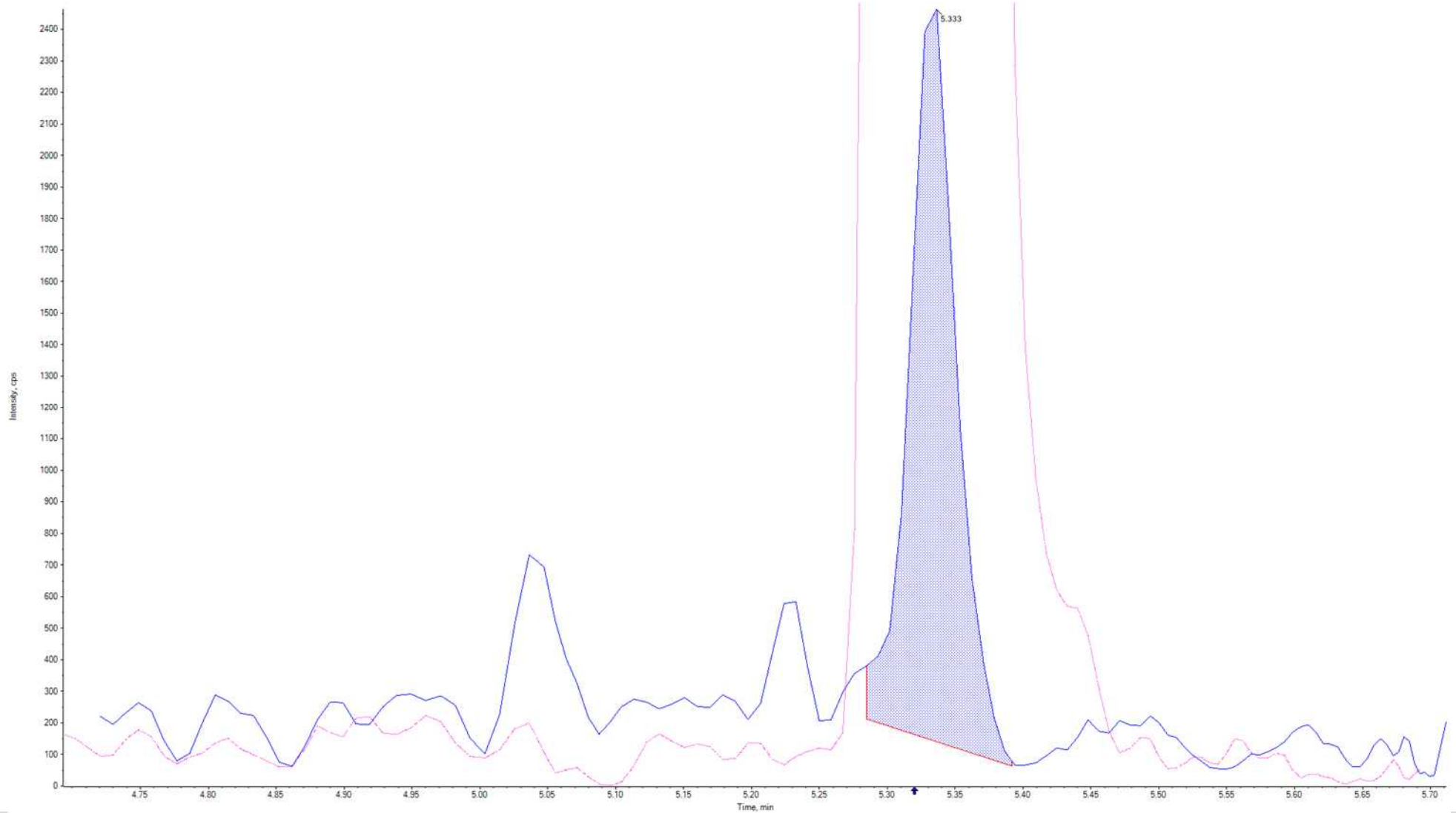
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBS
Sample: L2447503-09 S/N:24.9 Points Across peak:17



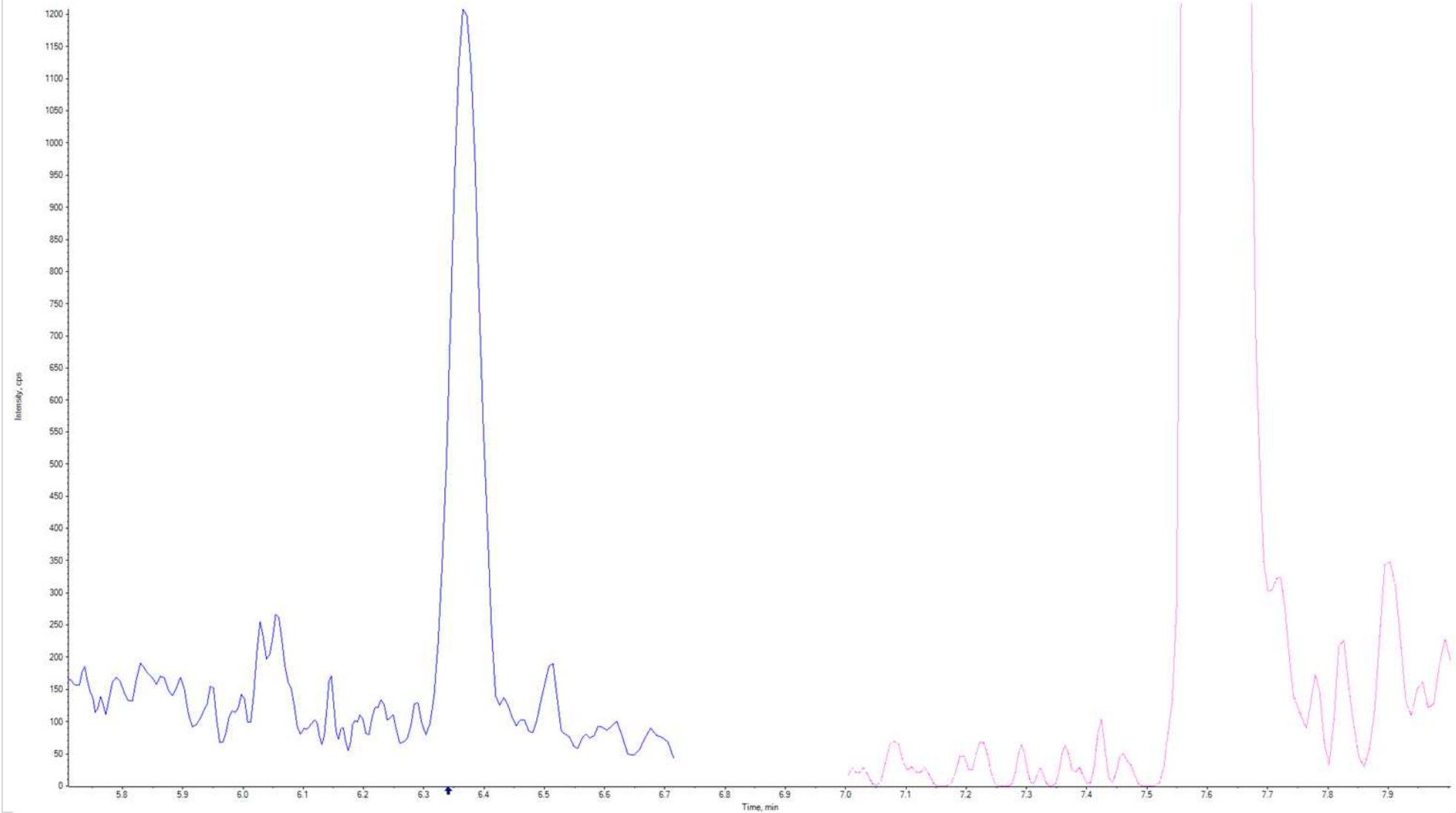
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFBS_2
Sample: L2447503-09 S/N:110.9 Points Across peak:14



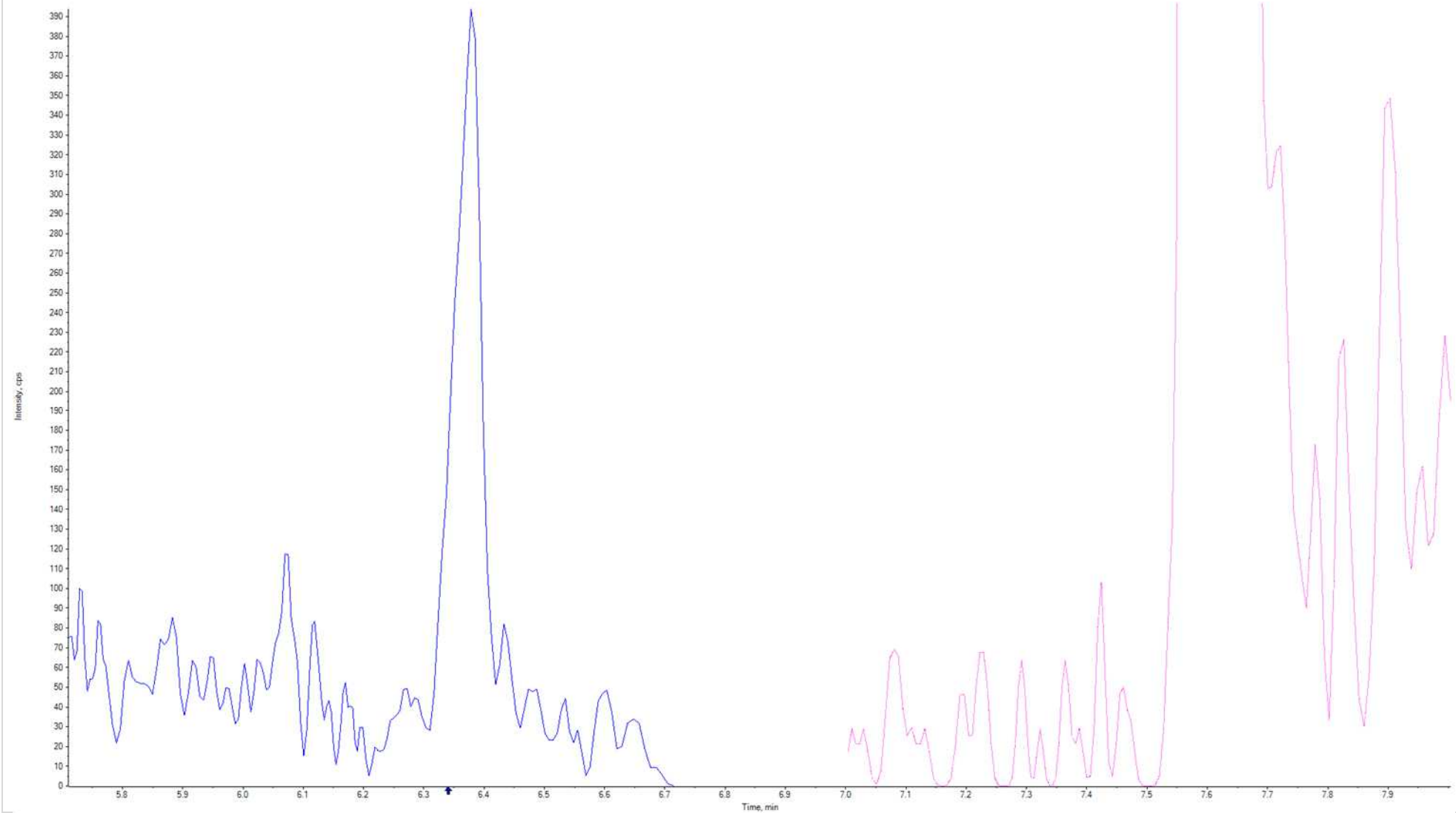
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



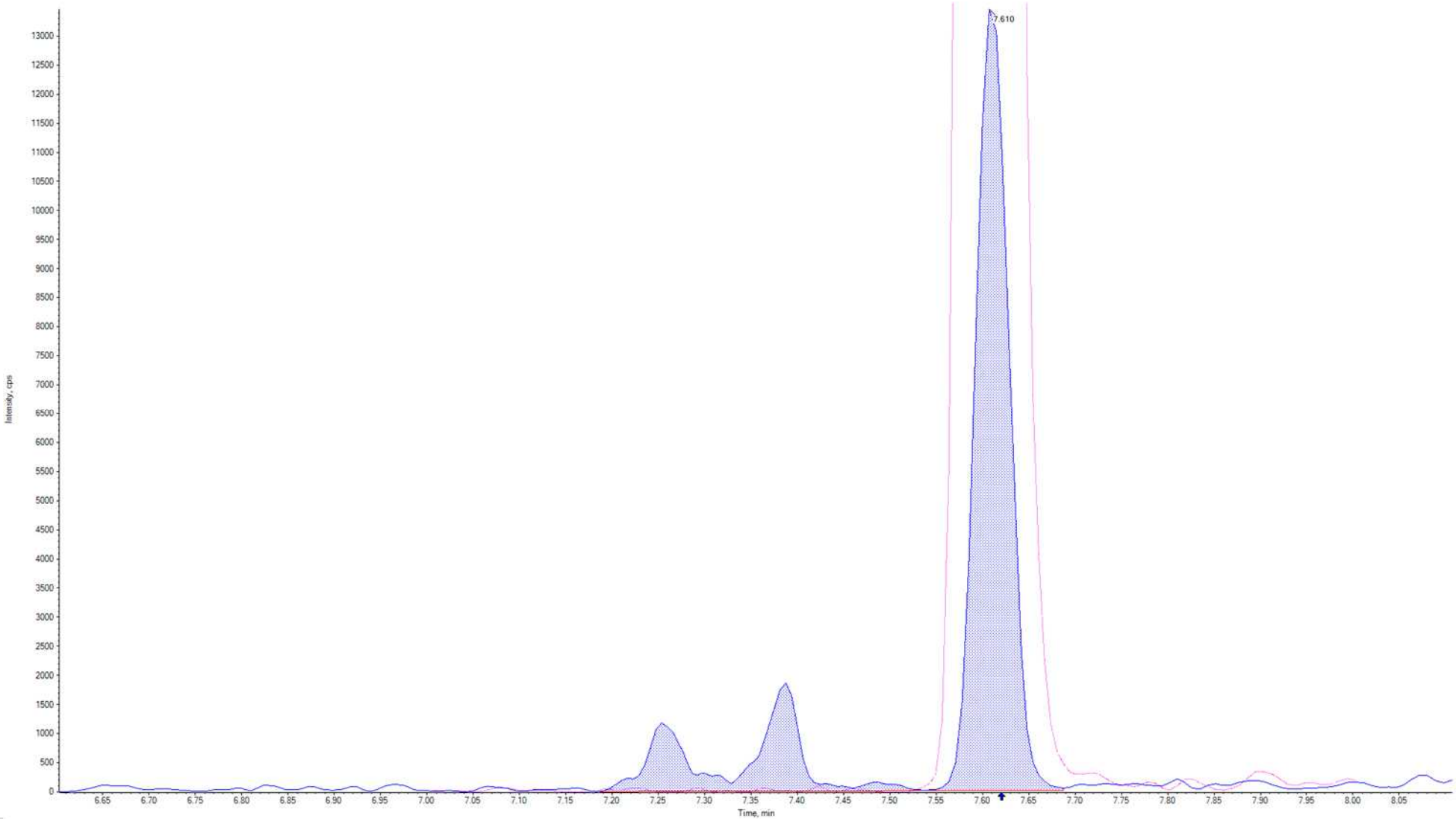
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFPeS_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



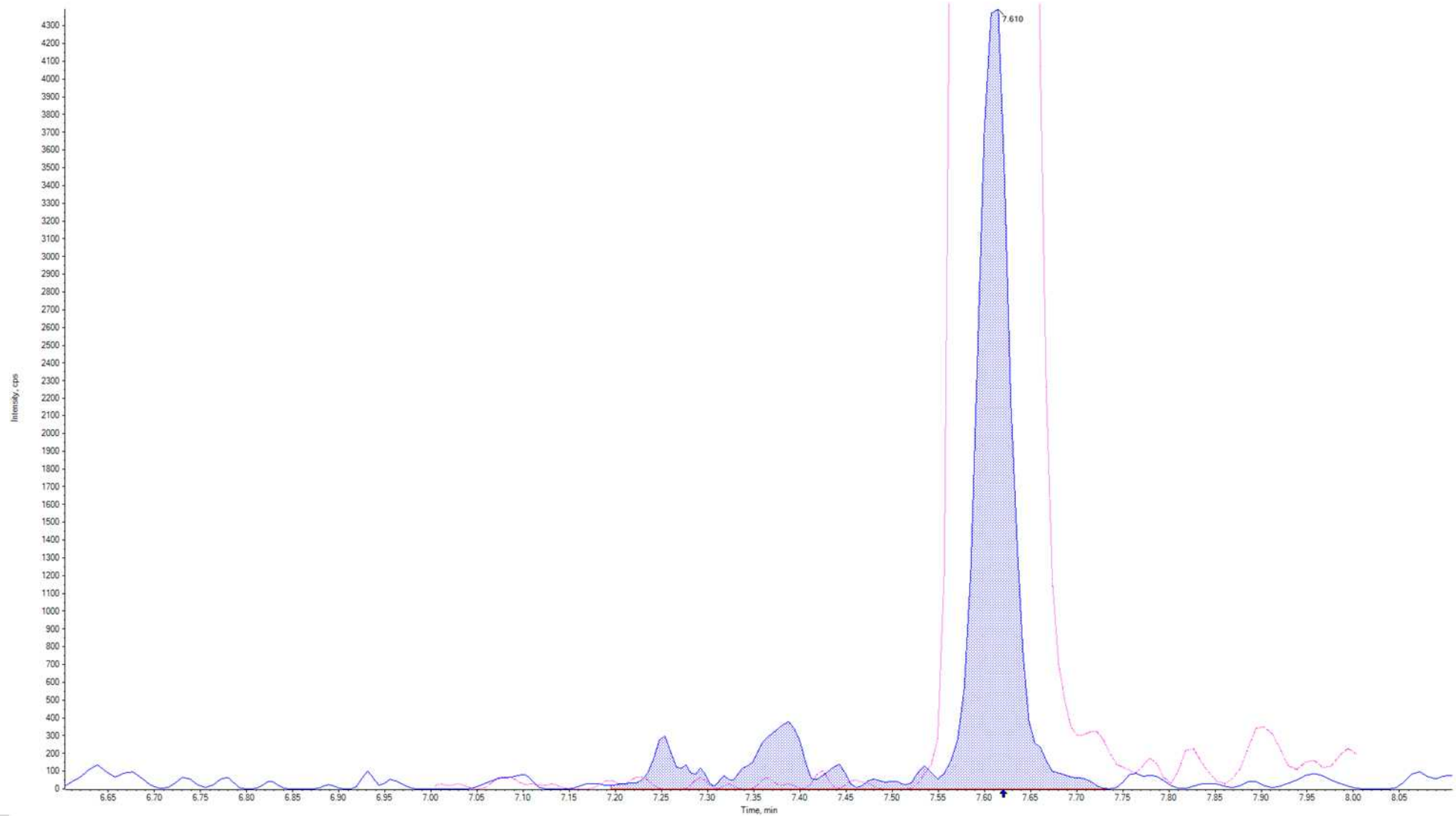
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxS
Sample: L2447503-09 S/N:1992.1 Points Across peak:83



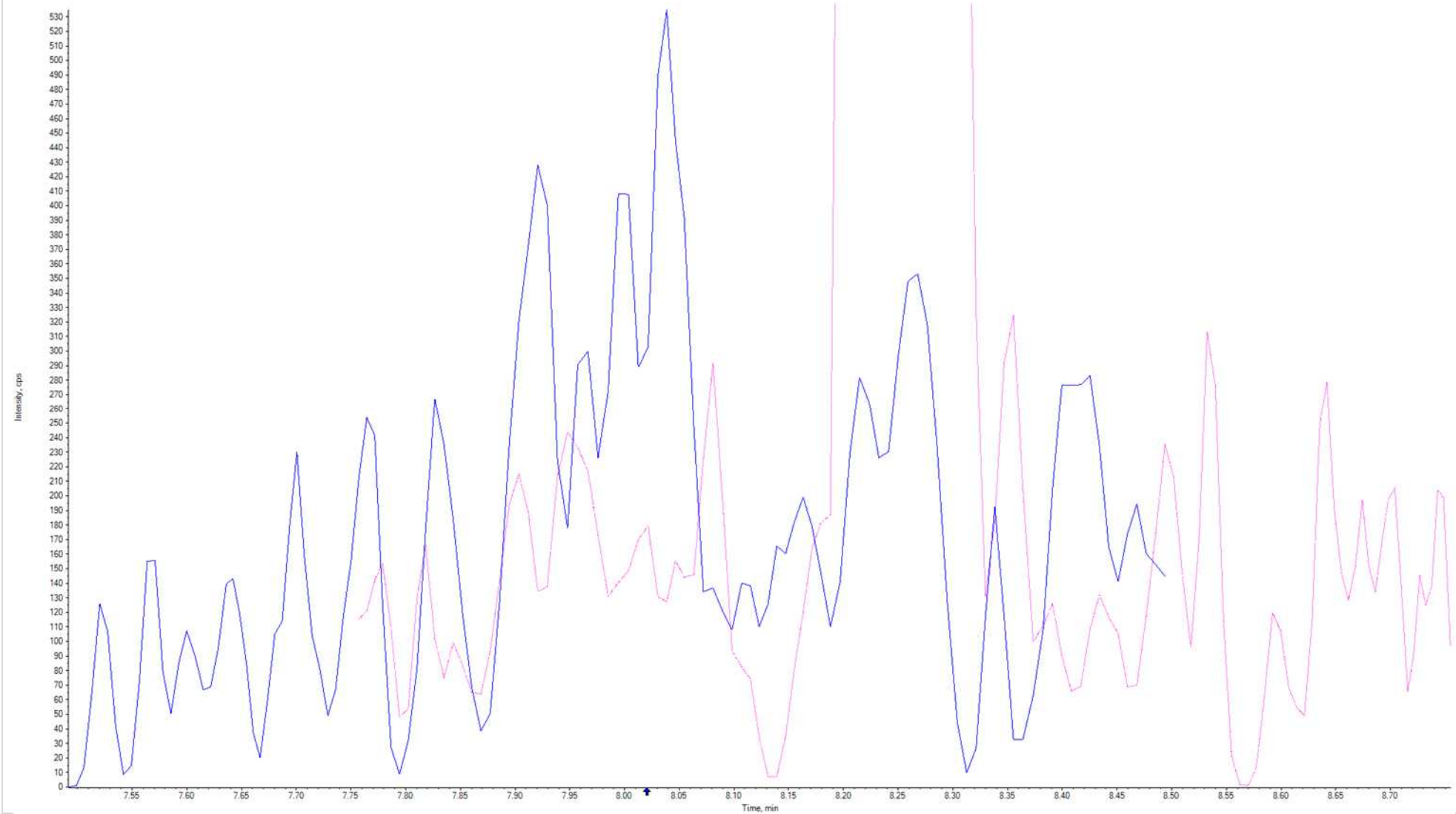
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHxS_2
Sample: L2447503-09 S/N:2591589.0 Points Across peak:88



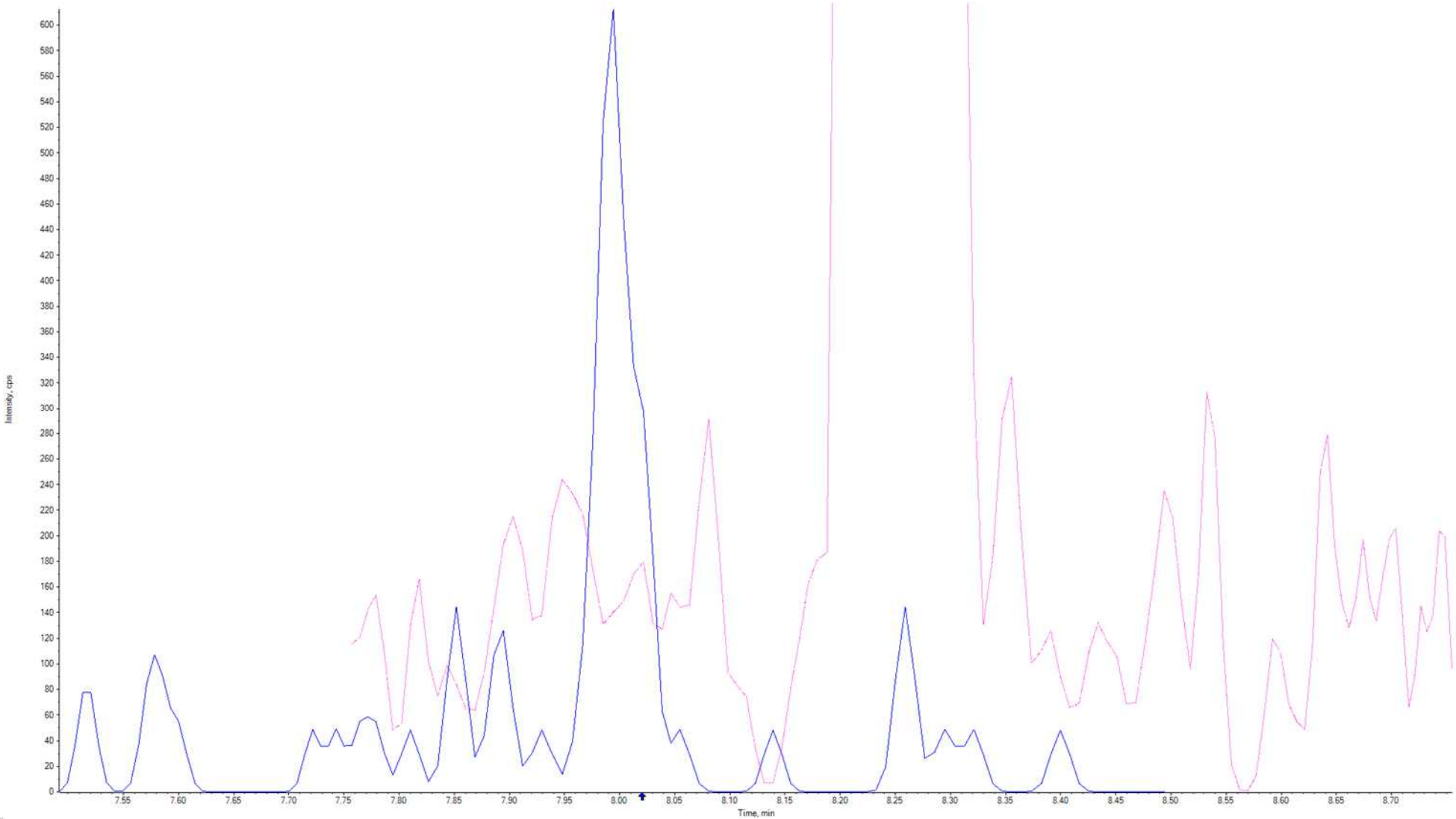
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



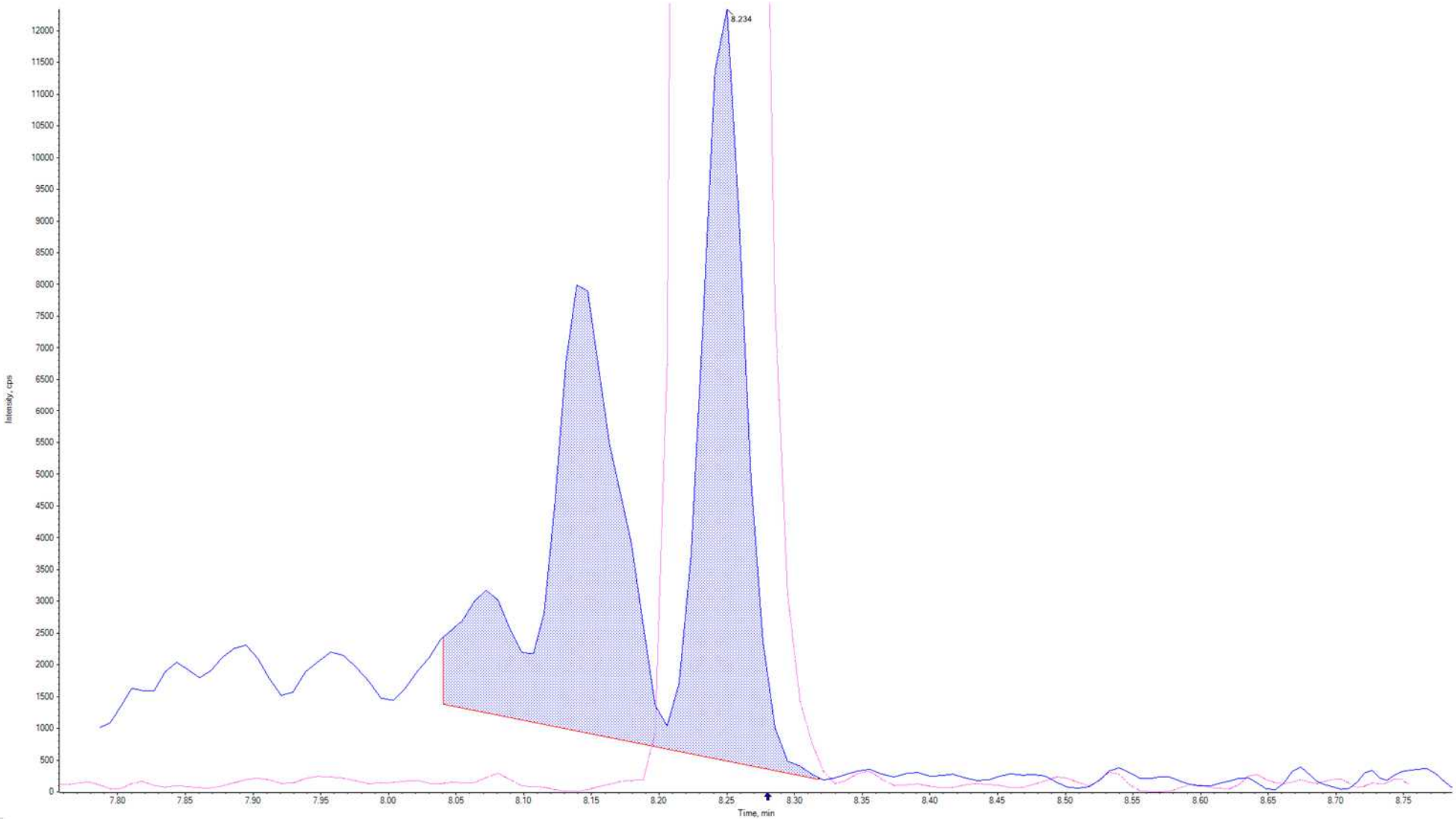
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFHpS_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



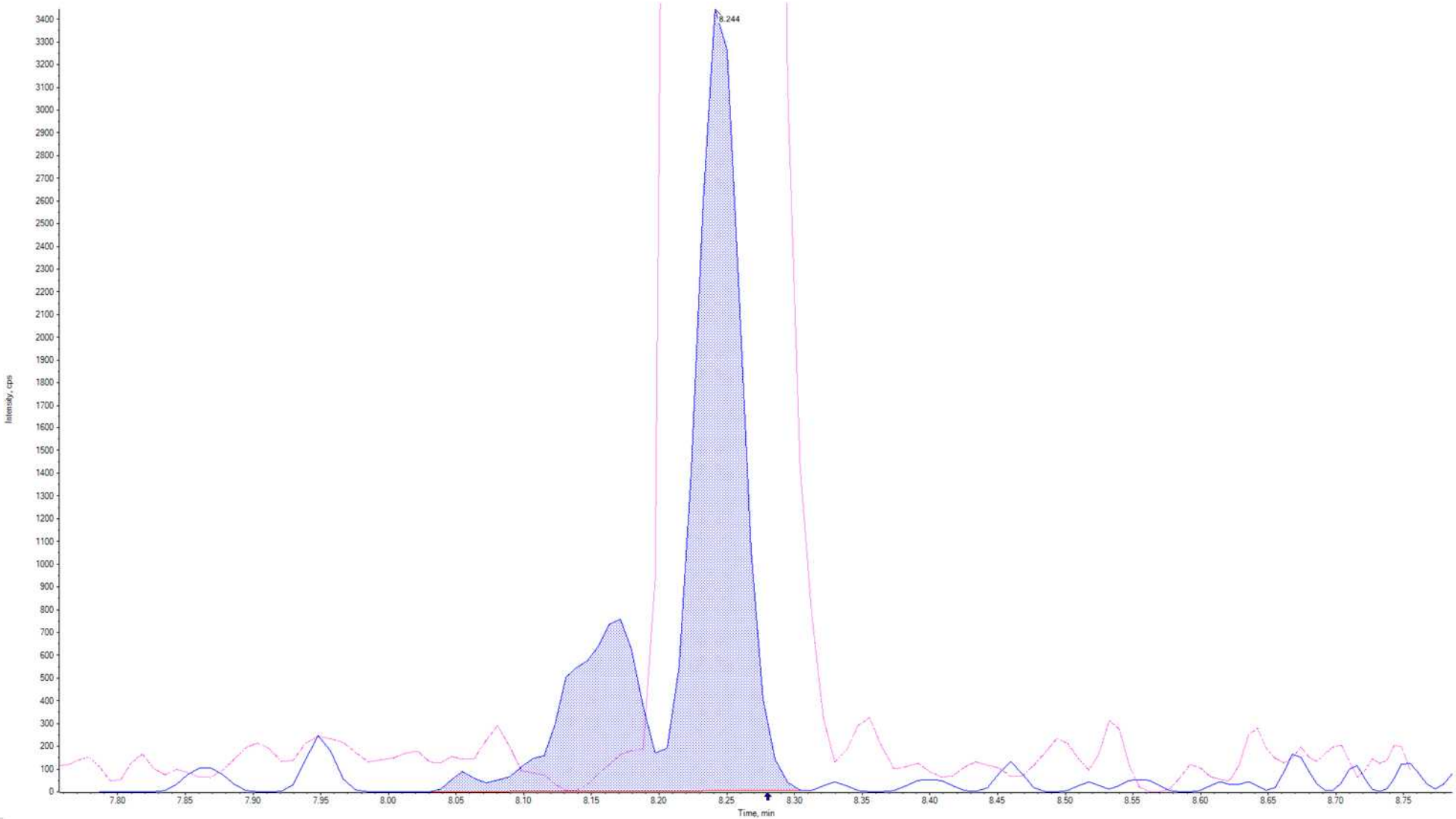
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOS
Sample: L2447503-09 S/N:322.4 Points Across peak:34



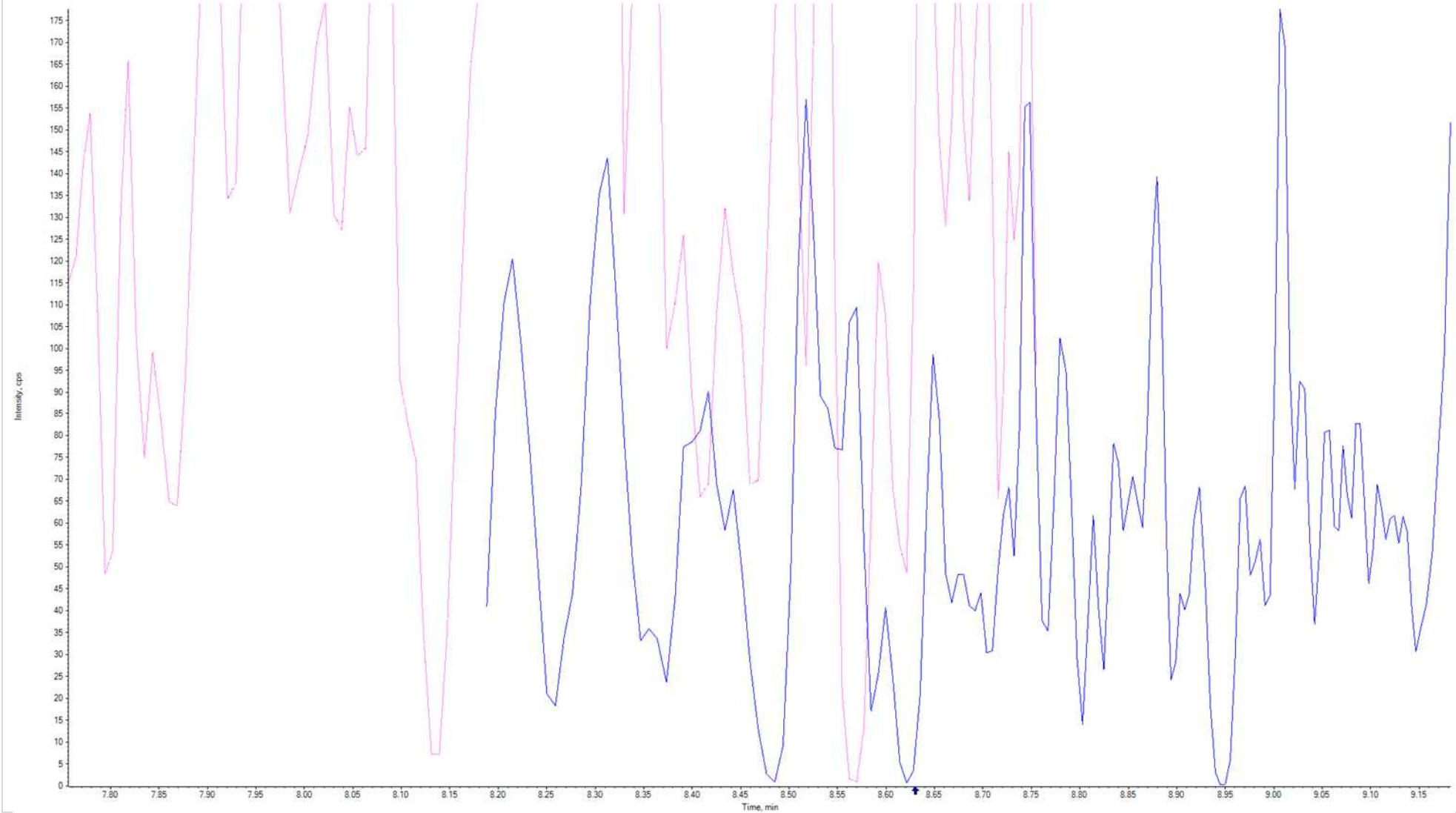
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOS_2
Sample: L2447503-09 S/N:133.1 Points Across peak:35



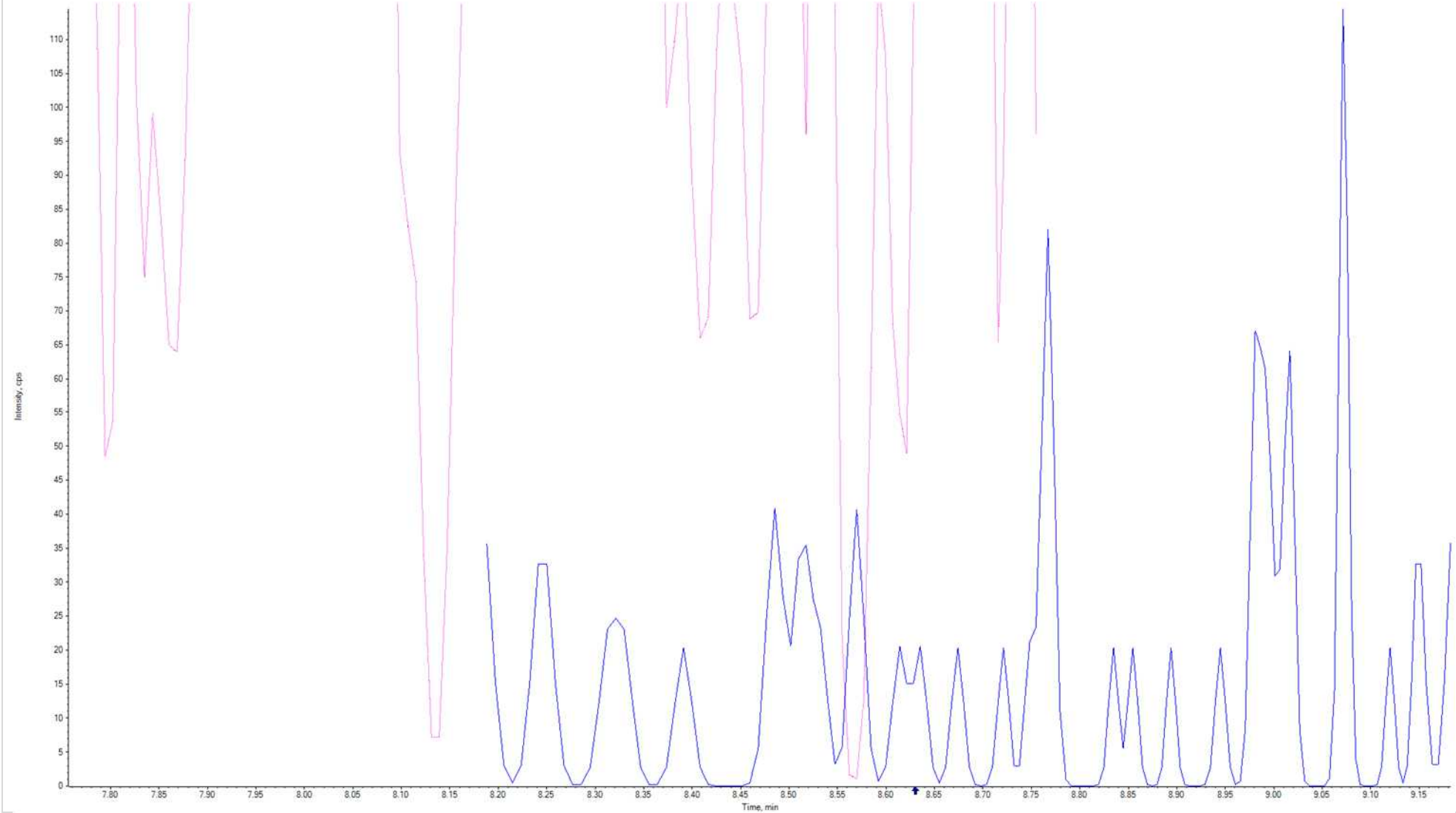
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



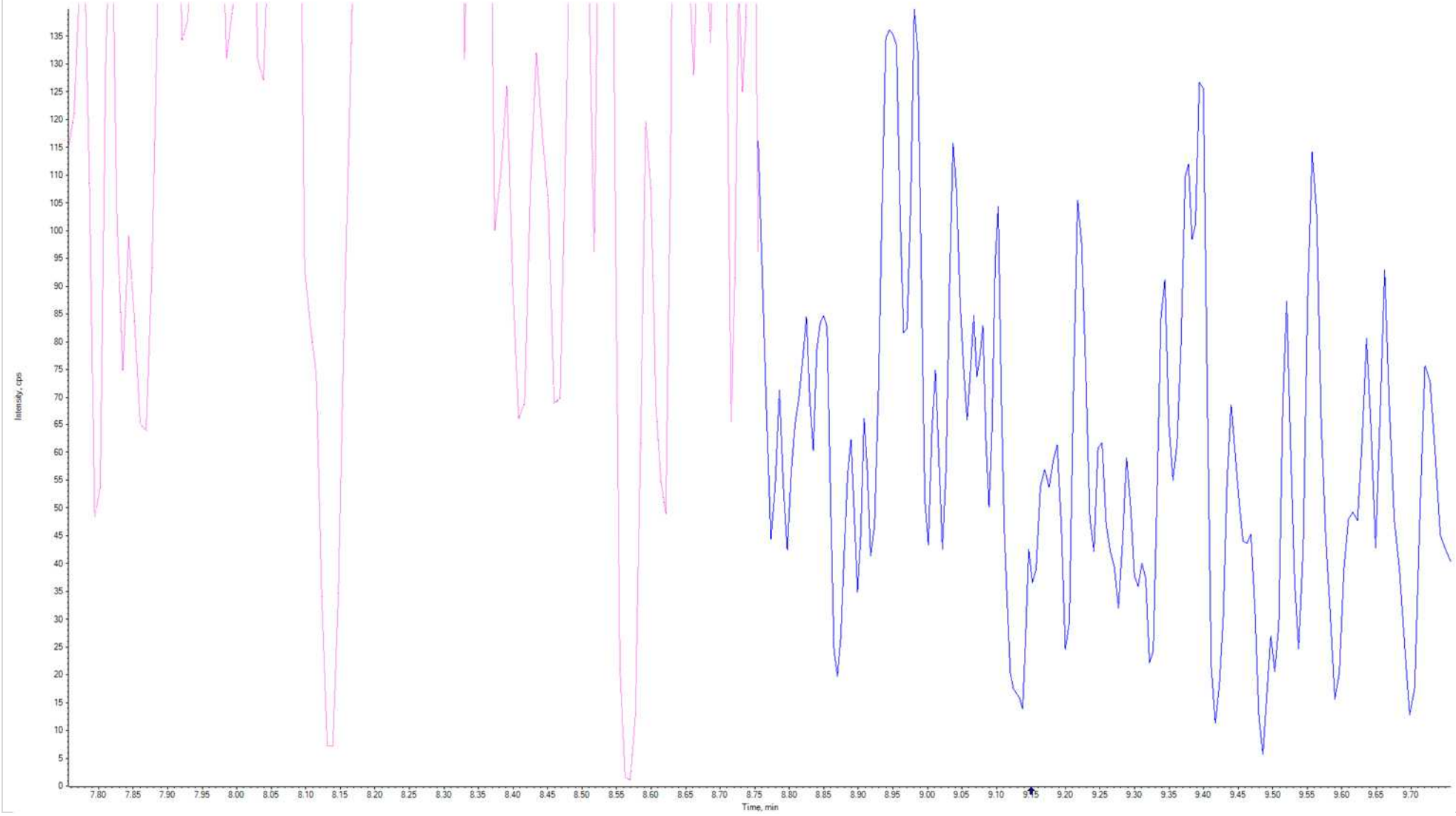
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFNS_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



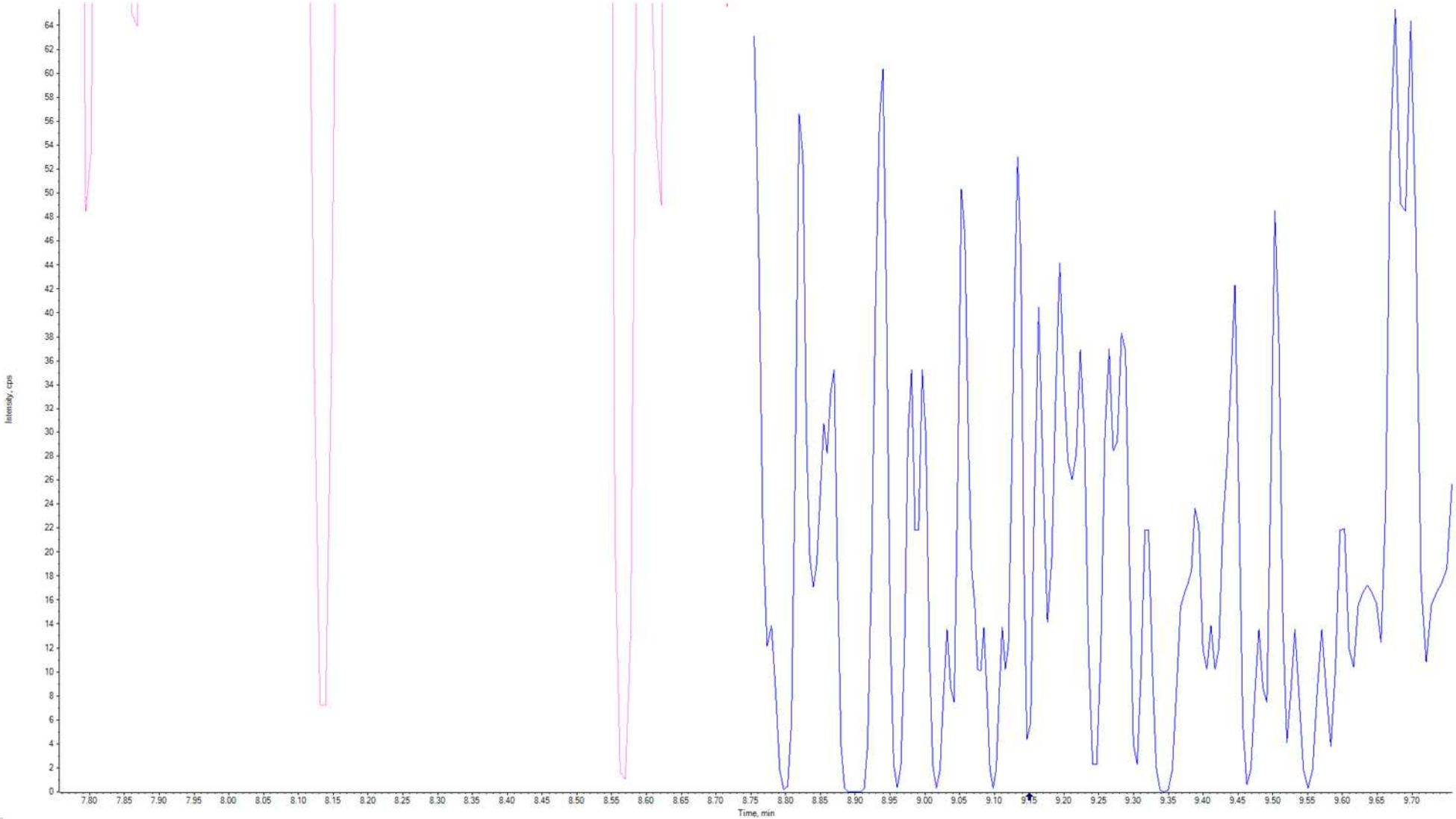
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDS_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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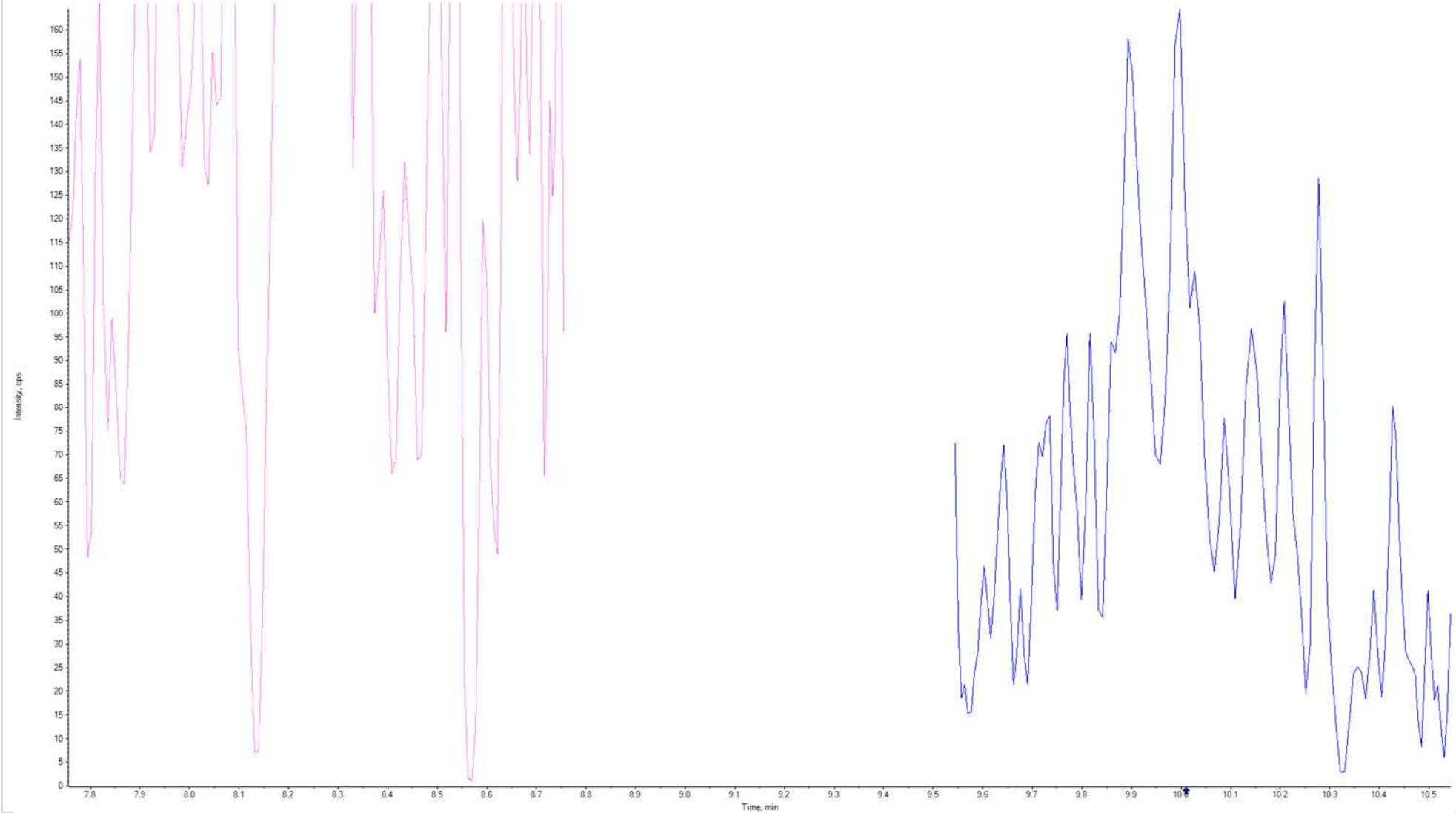
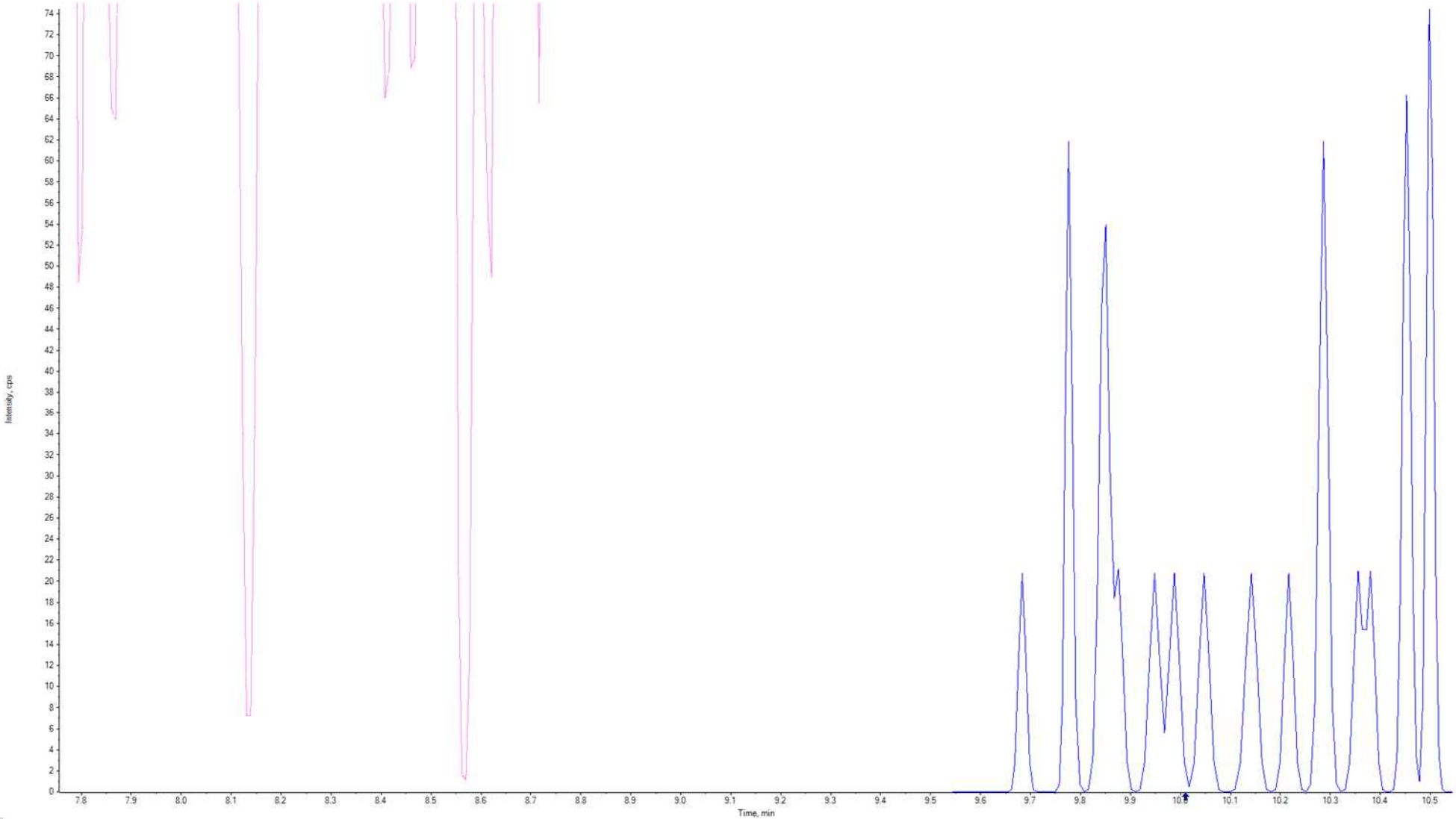
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



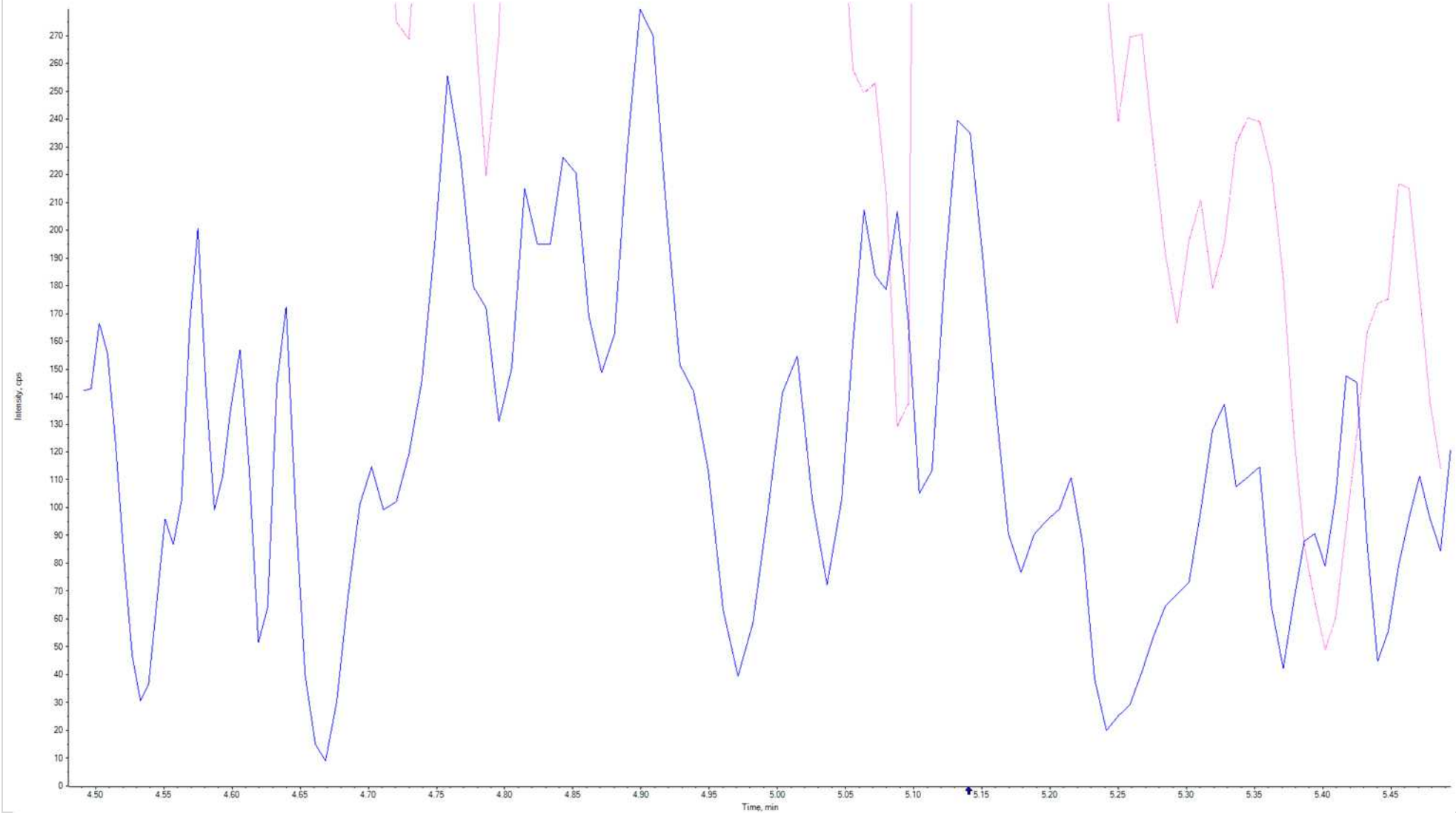
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFDoS_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A

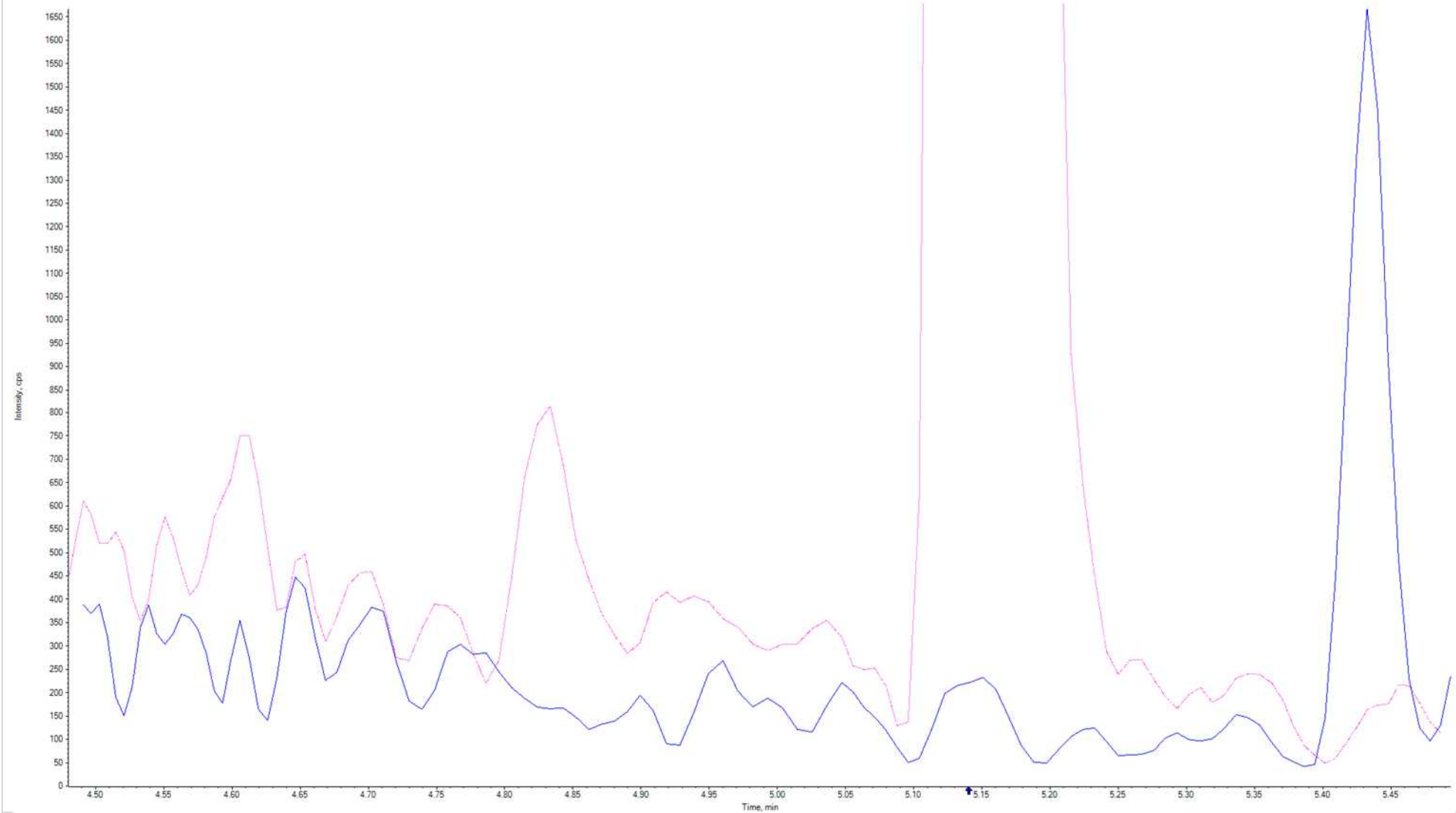


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

4:2FTS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A

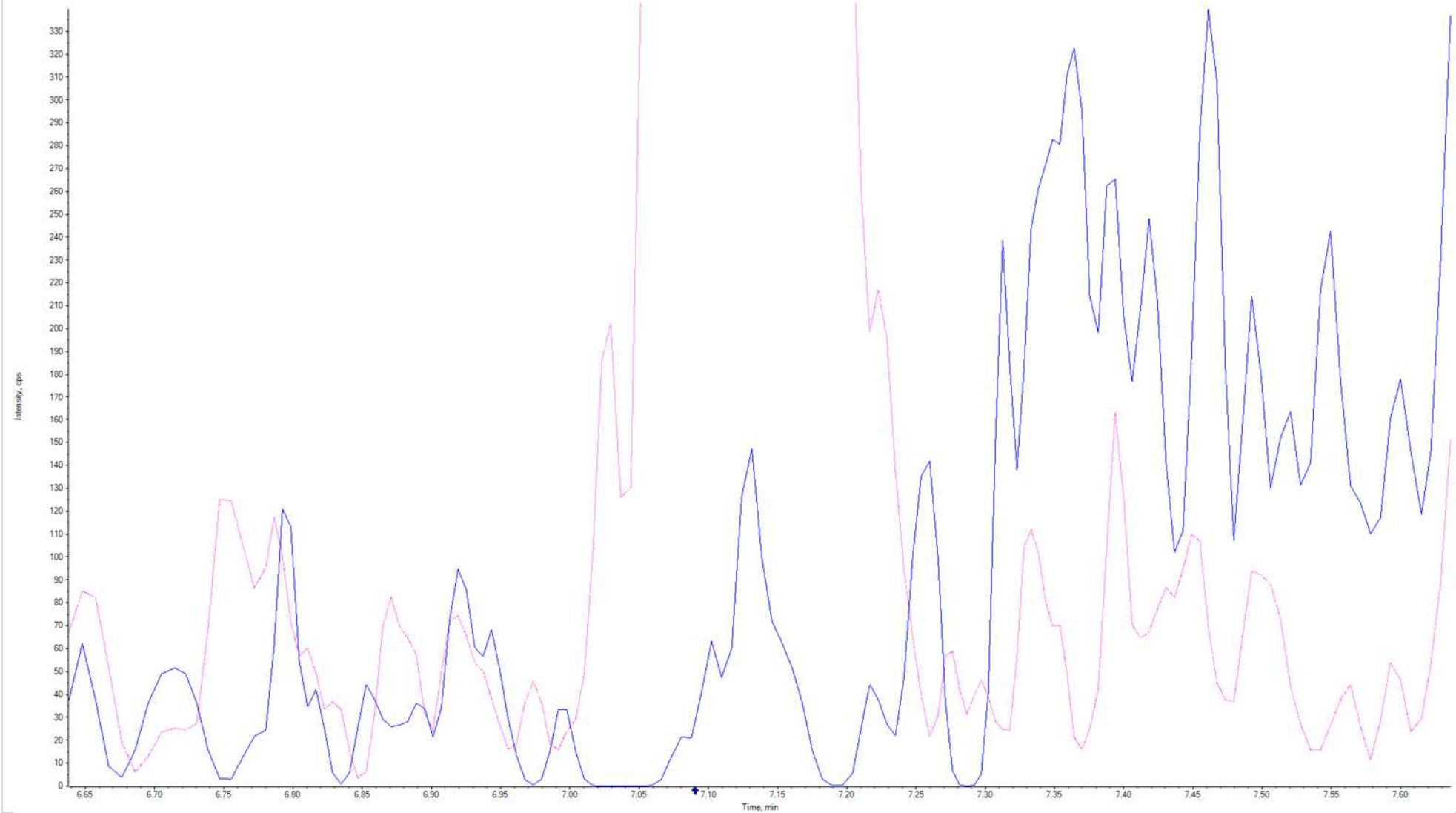


4:2FTS_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

6:2FTS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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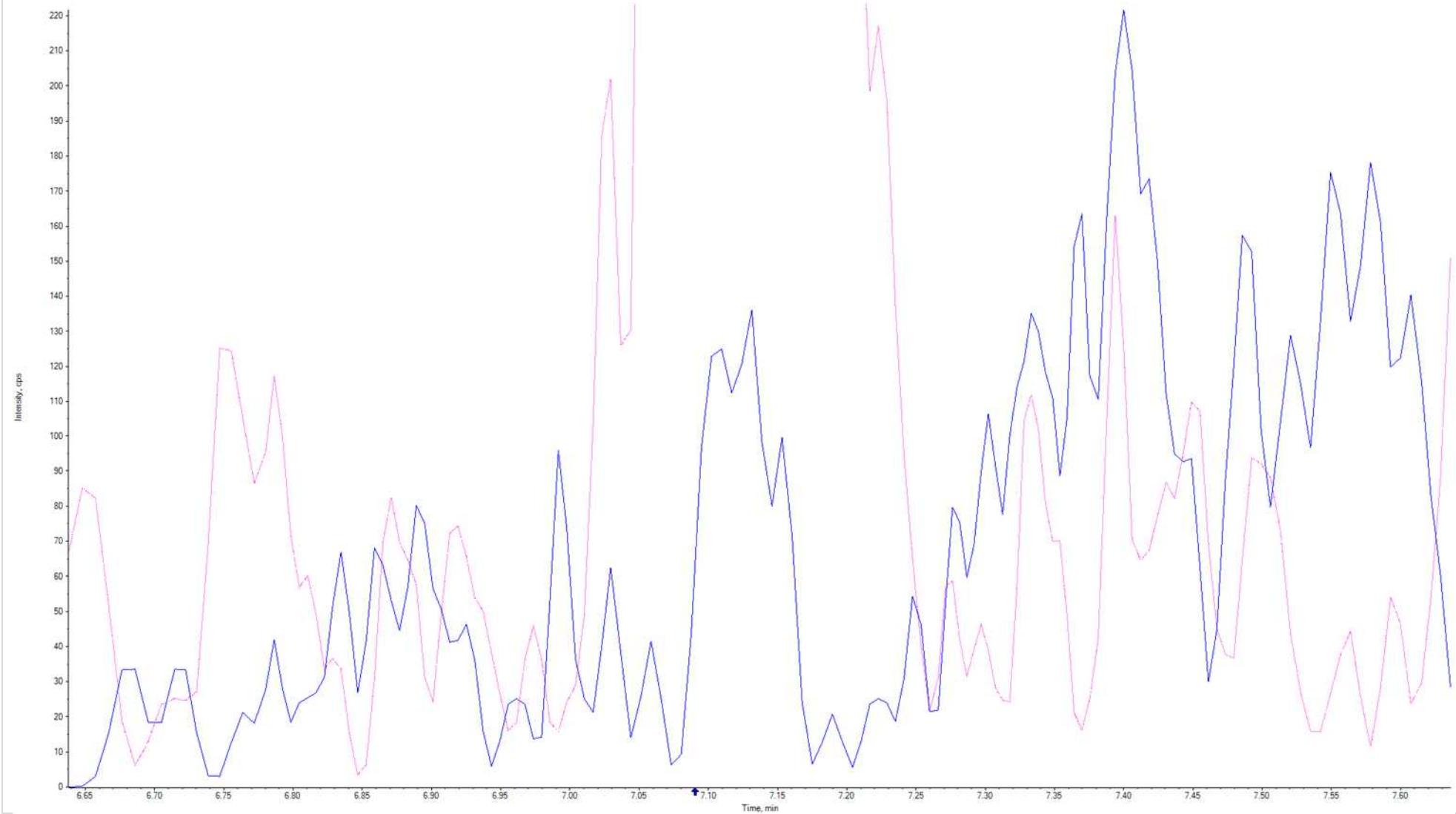
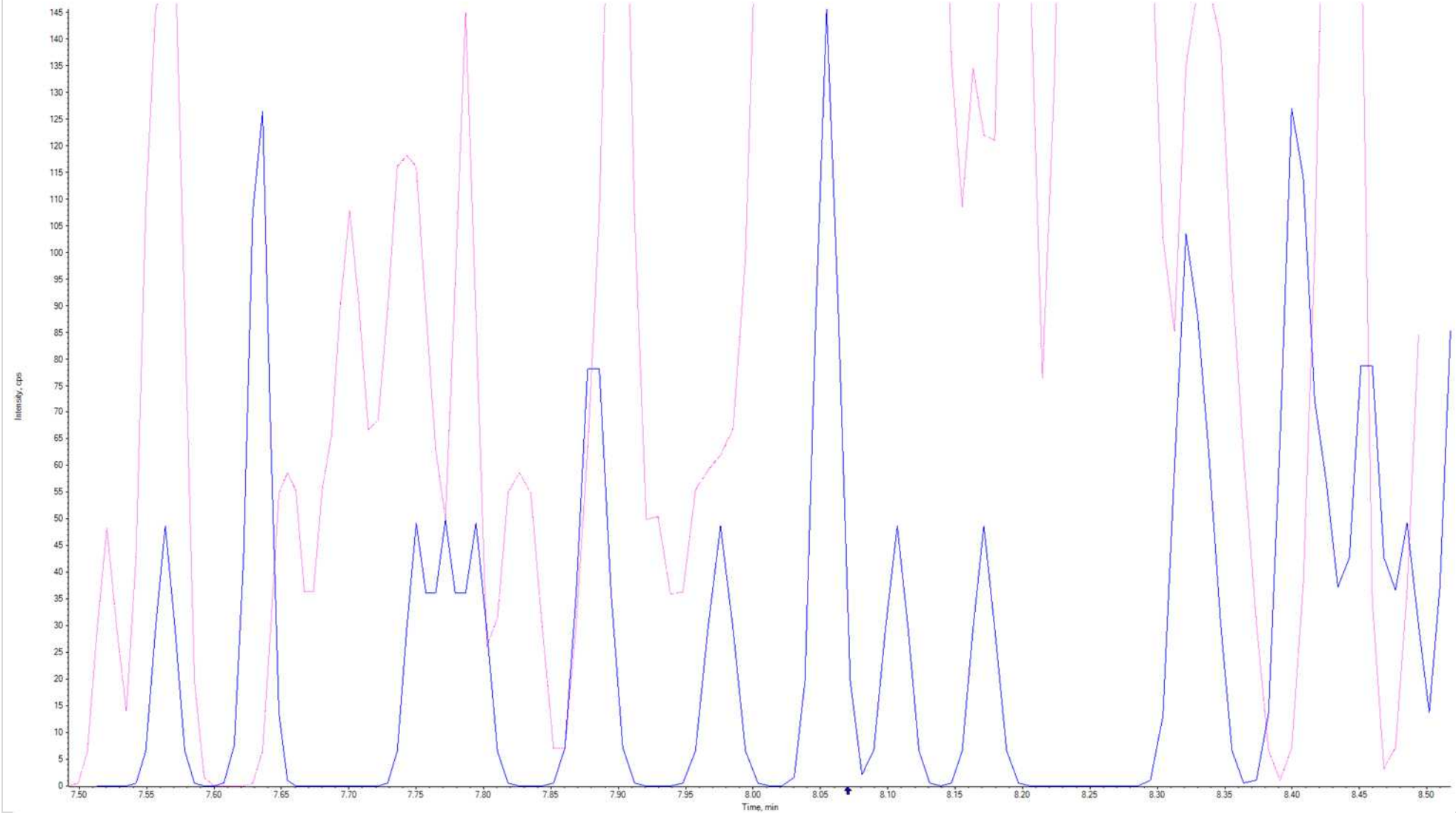
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

6:2FTS_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A

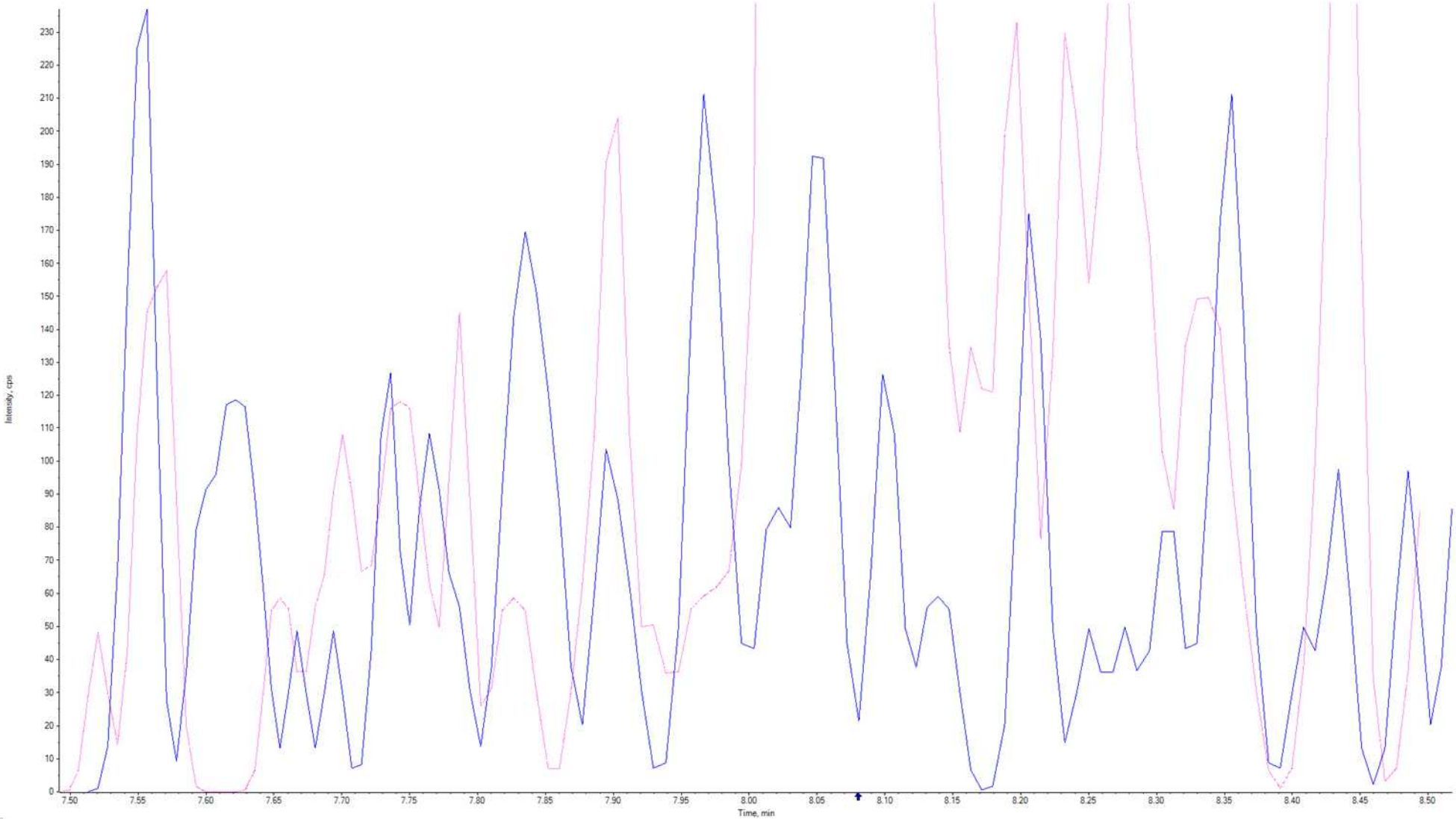


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

8:2FTS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



8:2FTS_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOSA
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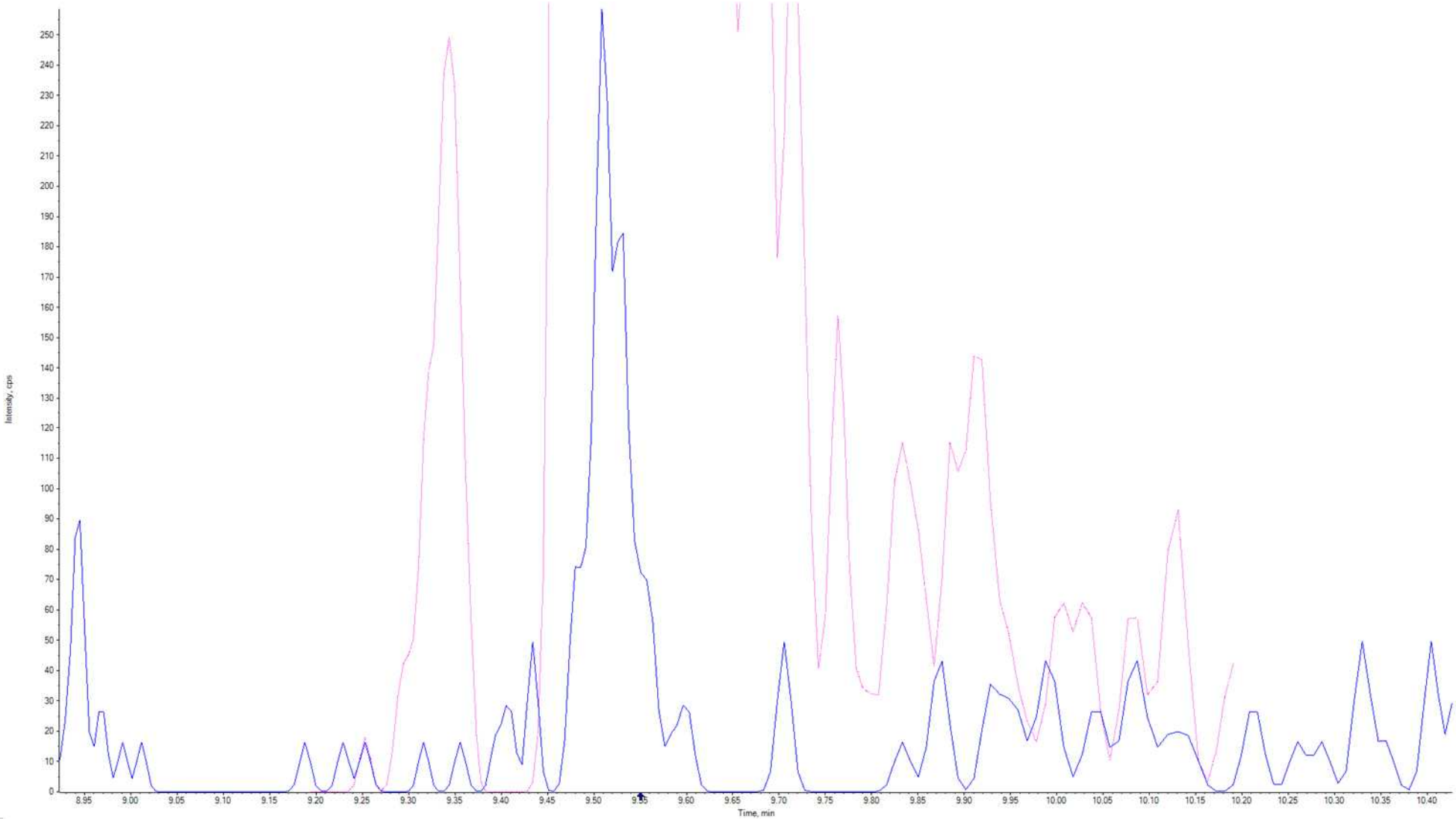
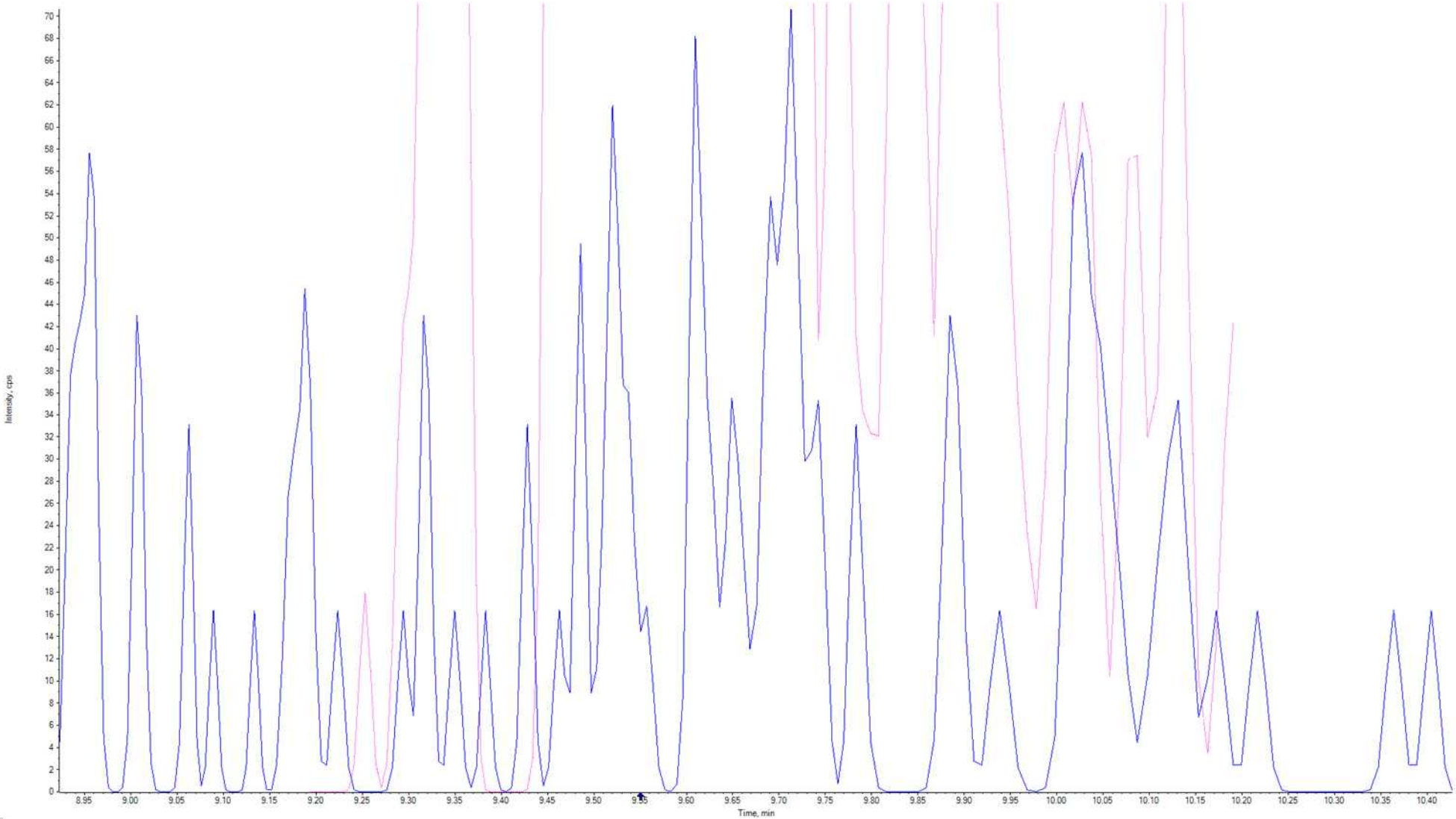


Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFOSA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSA
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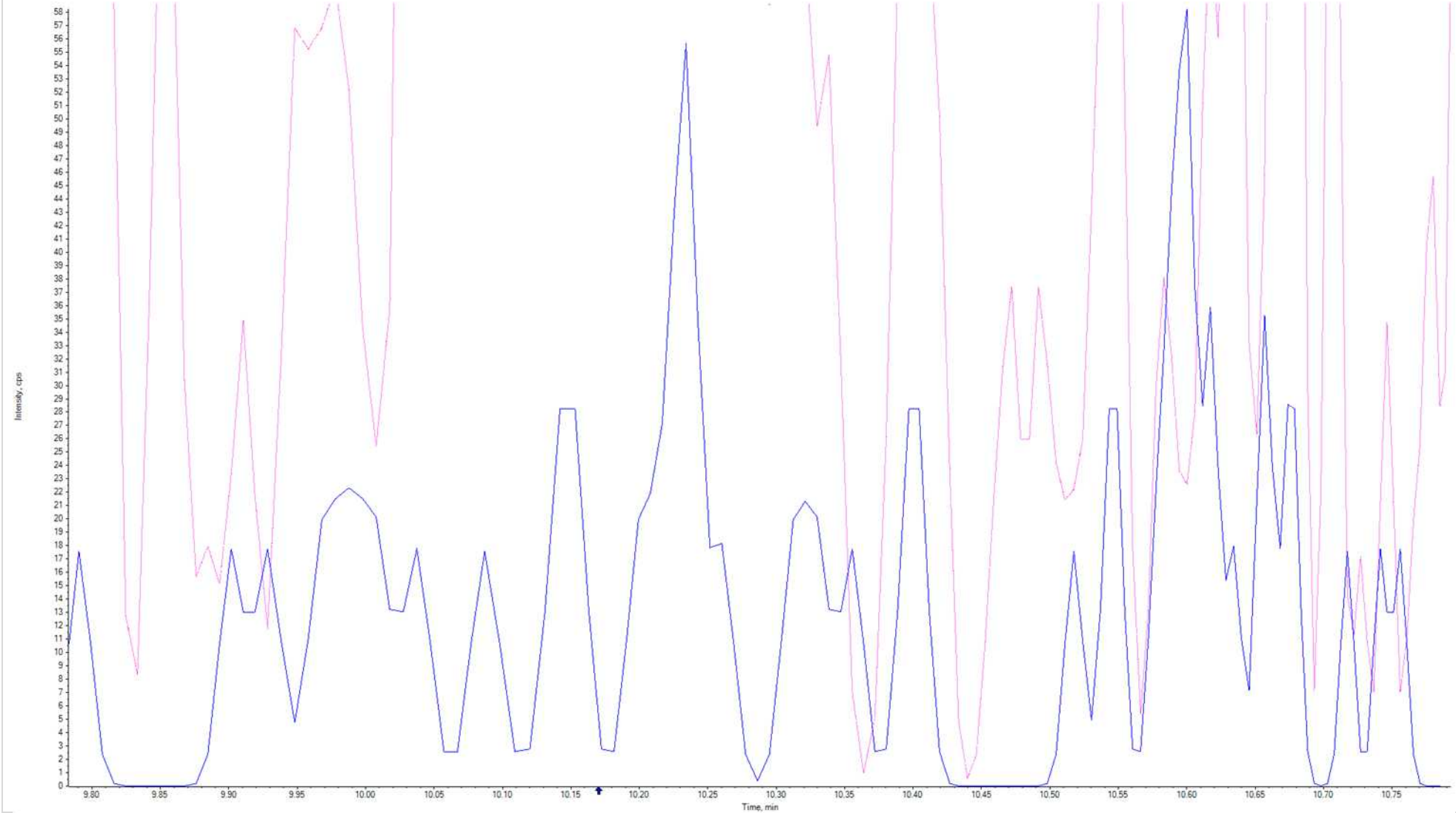

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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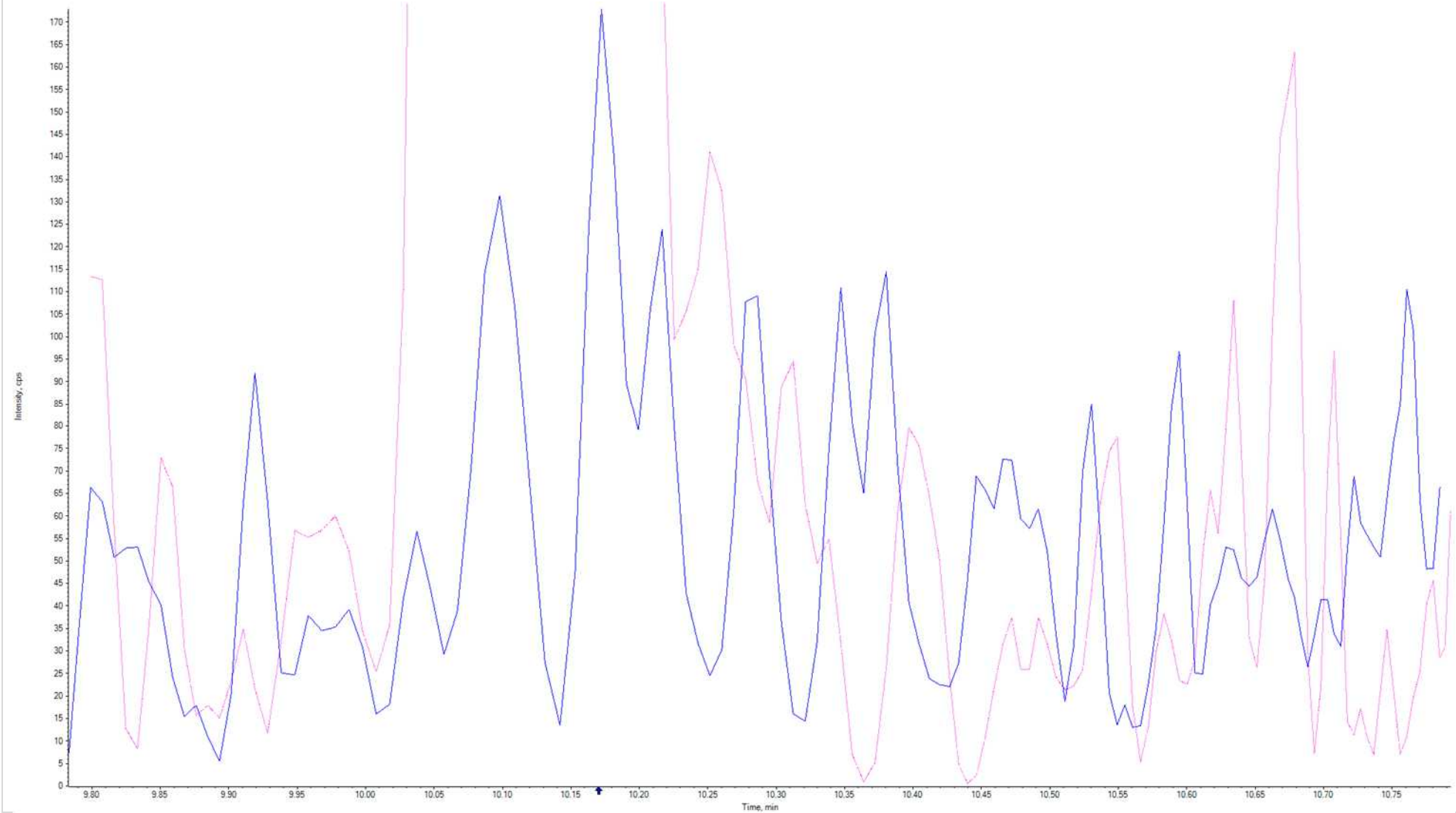
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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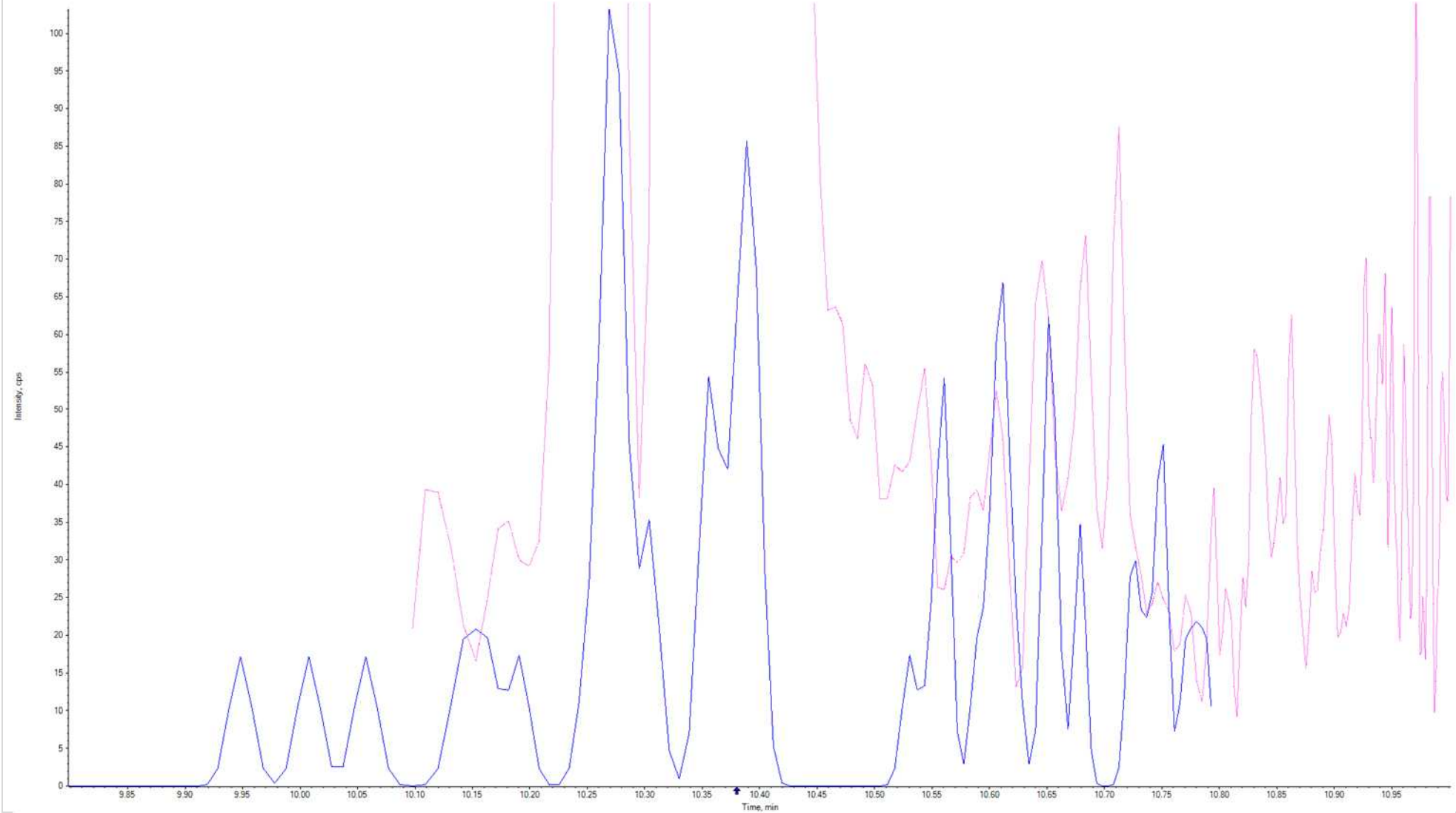
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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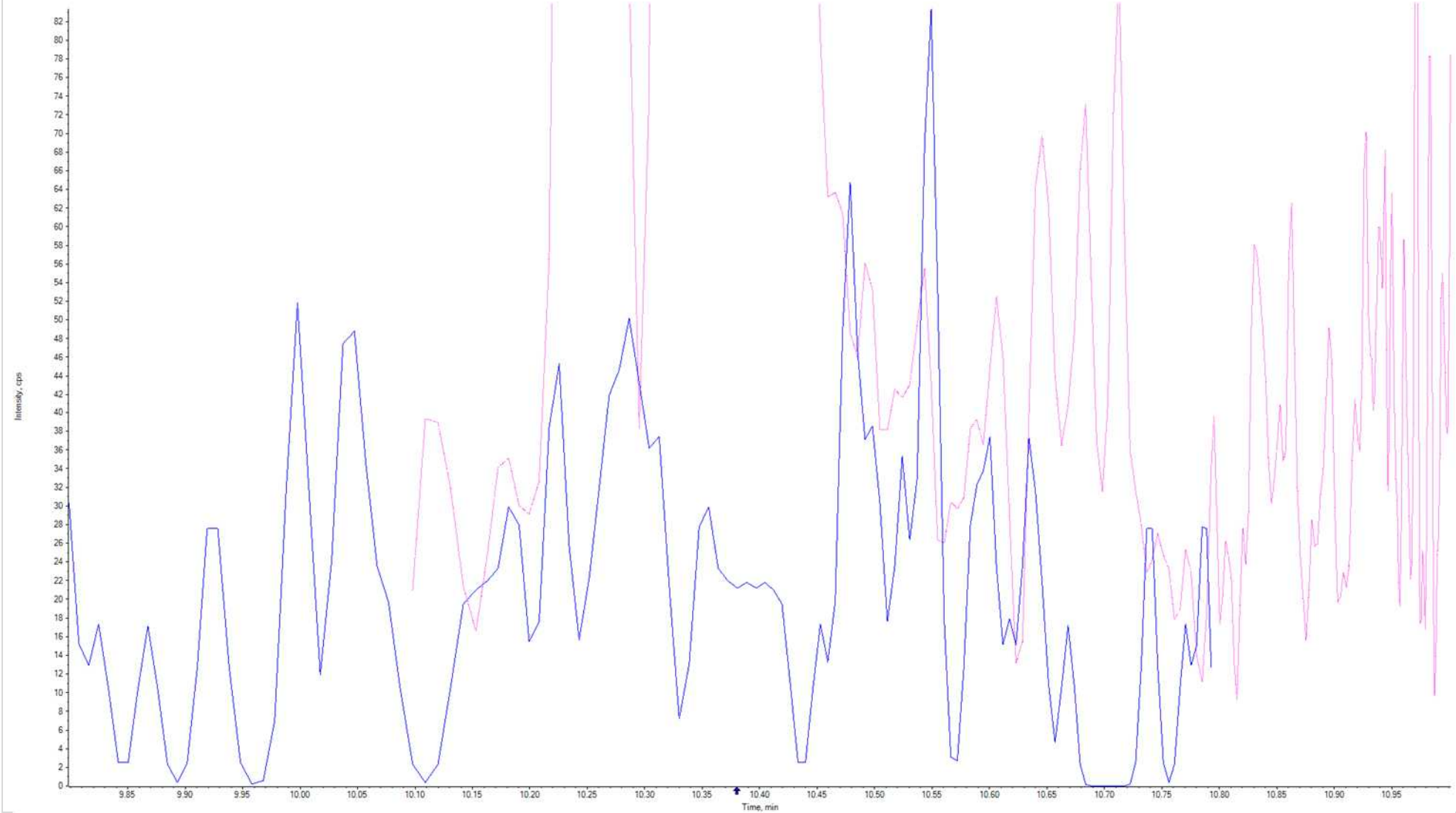
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NEtFOSA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
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NMeFOSAA
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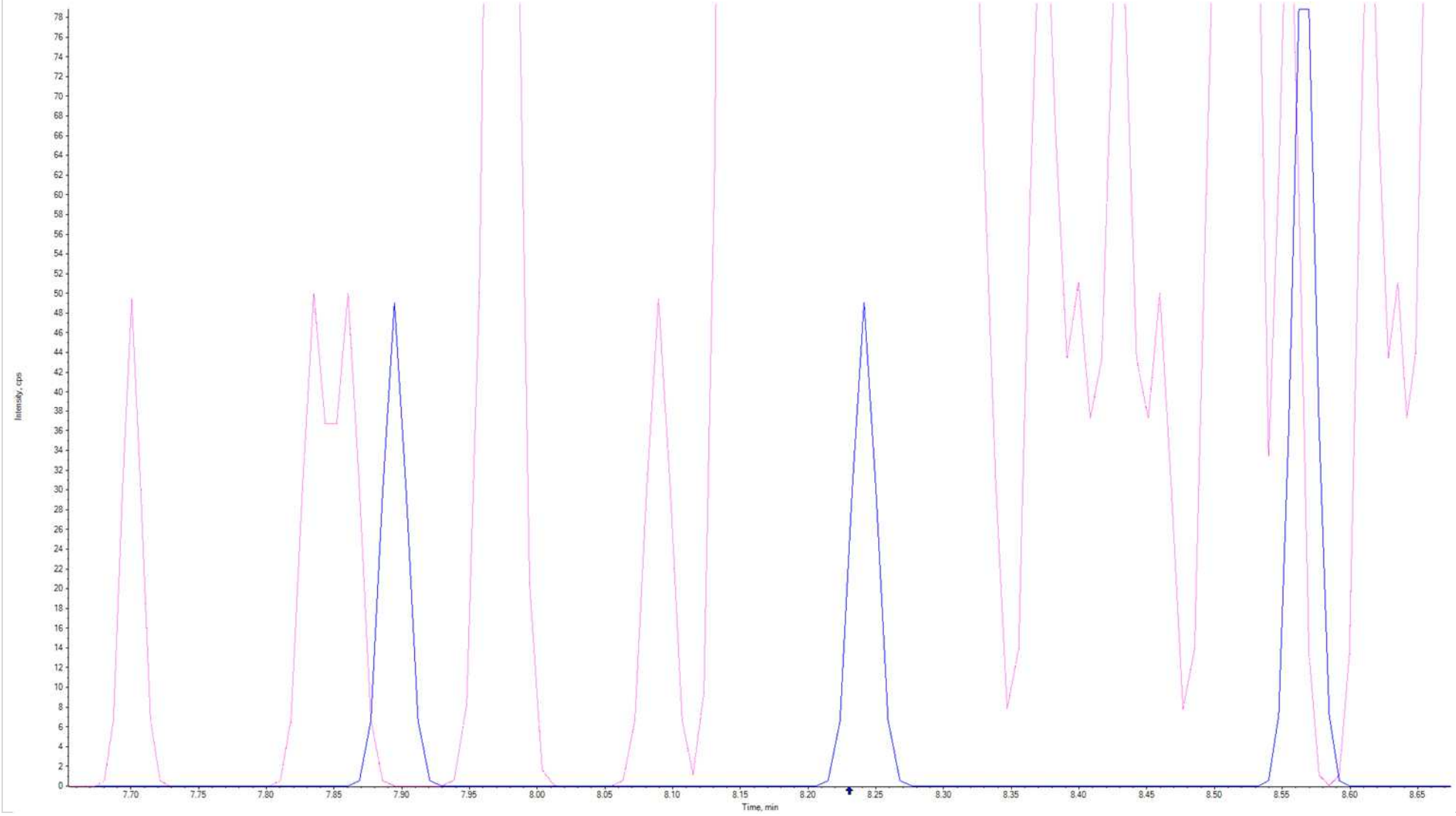

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NMeFOSAA_2
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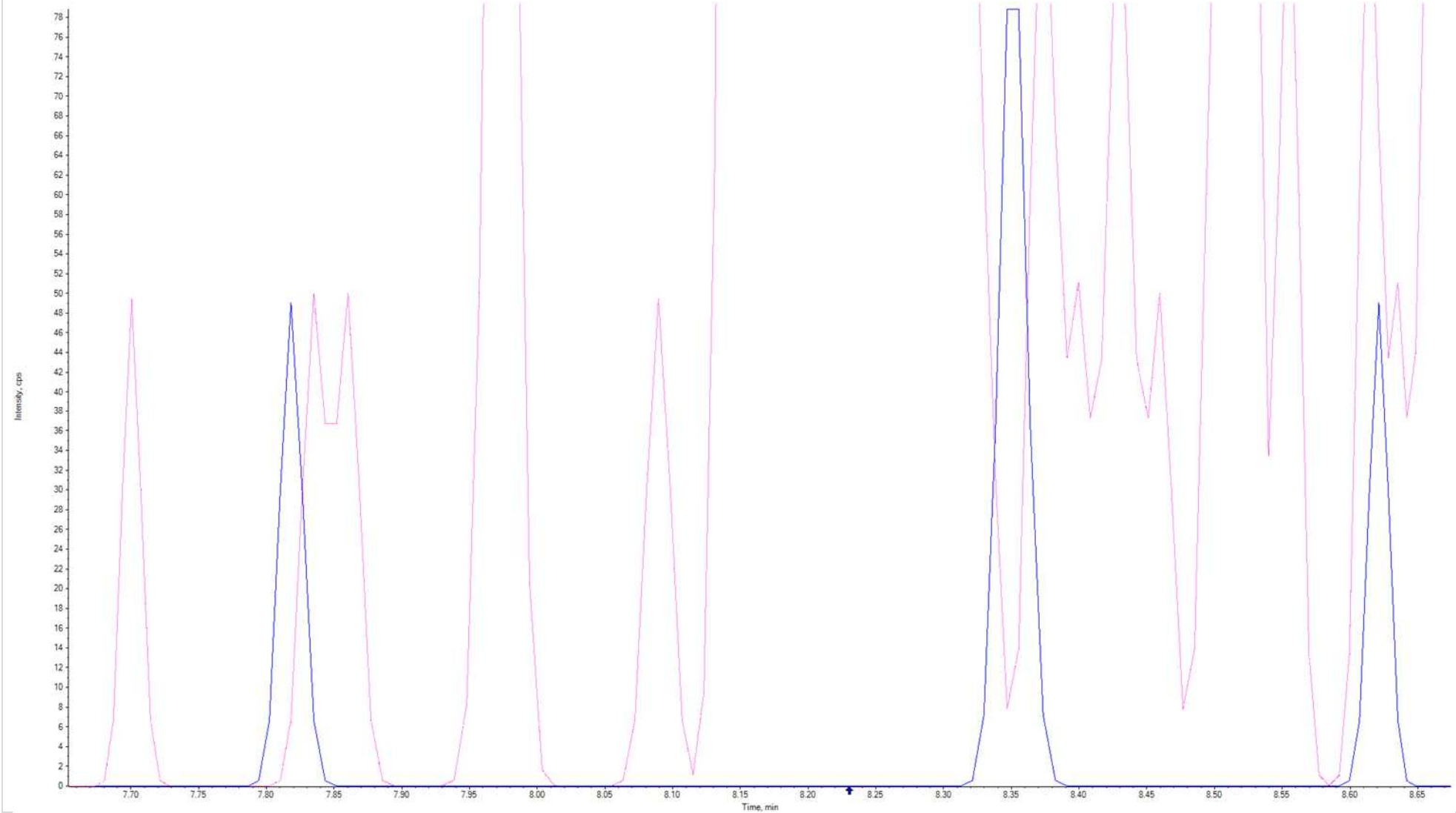

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 9/17/2024 6:15:27 AM

NEtFOSAA
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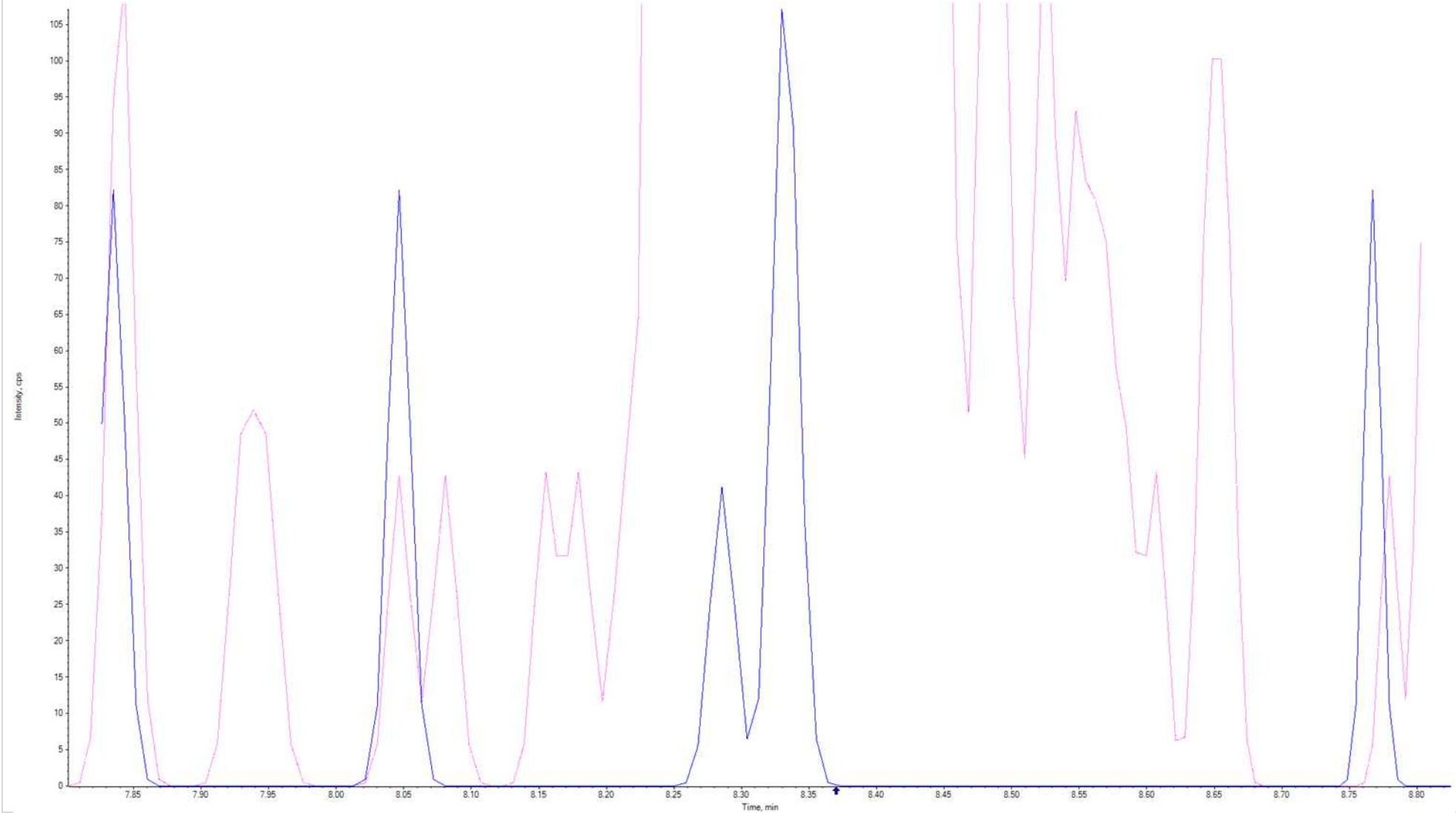

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
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NEtFOSAA_2
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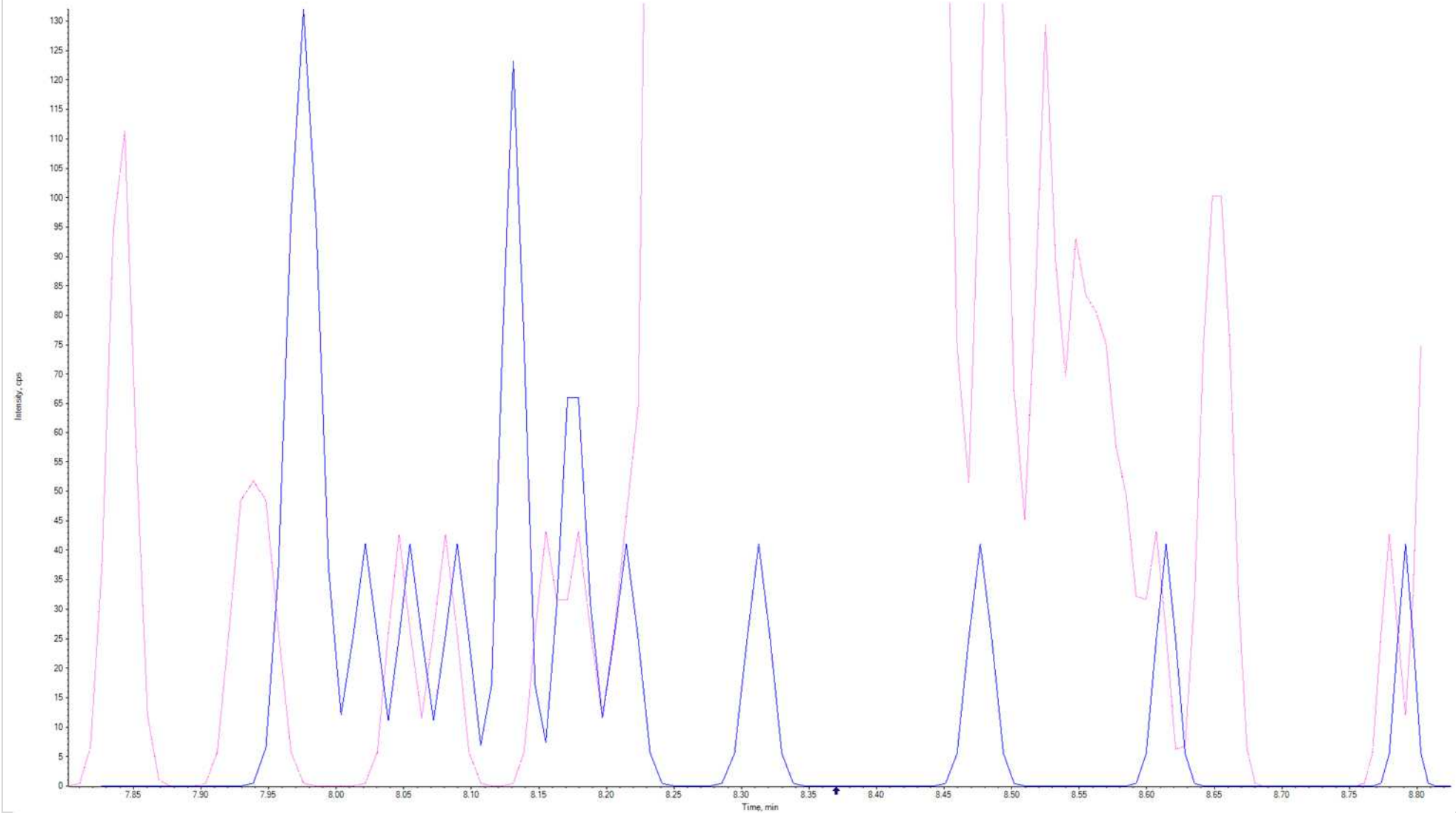

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 9/17/2024 6:15:27 AM

NMeFOSE
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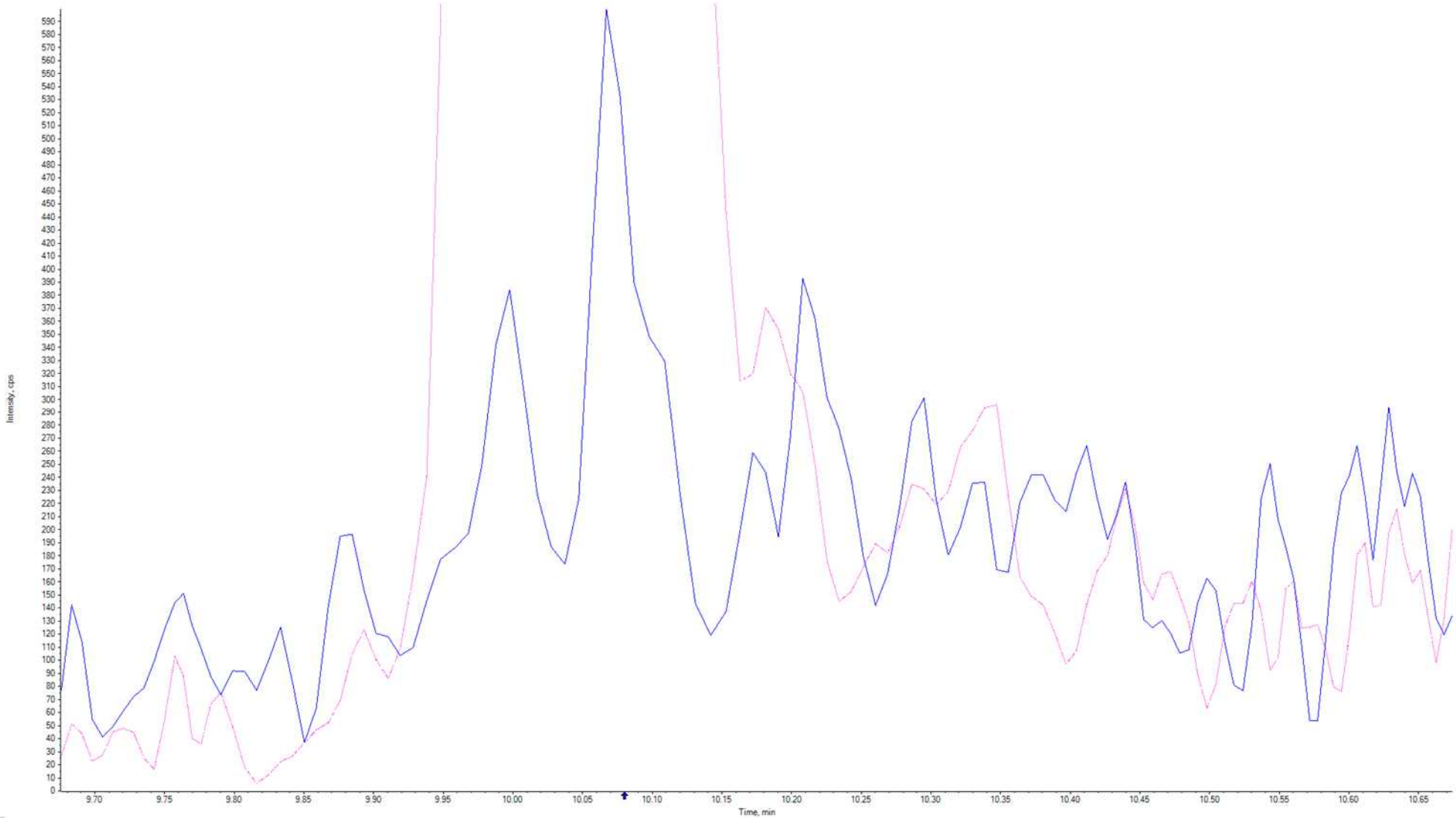

NEtFOSE
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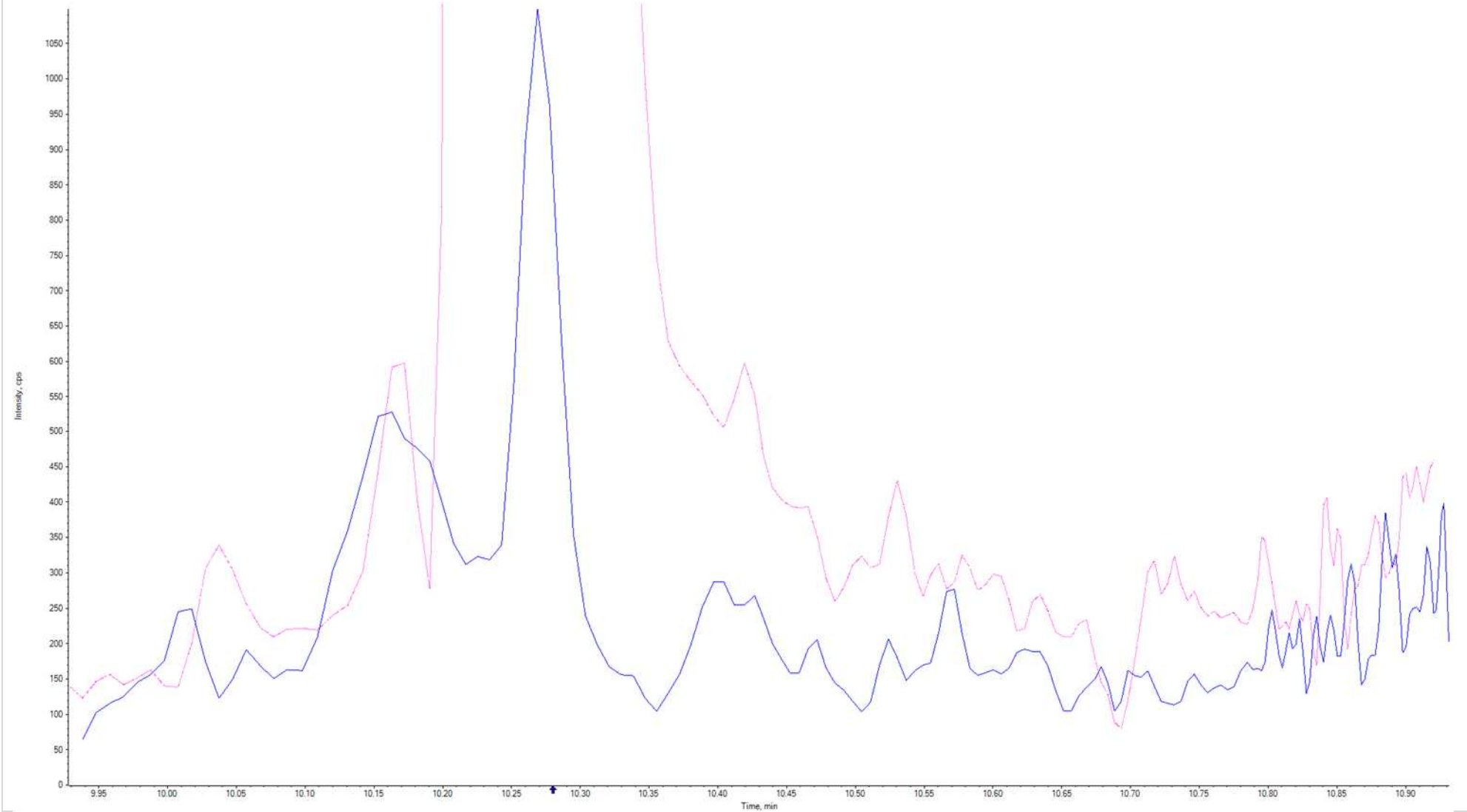

HFPO-DA
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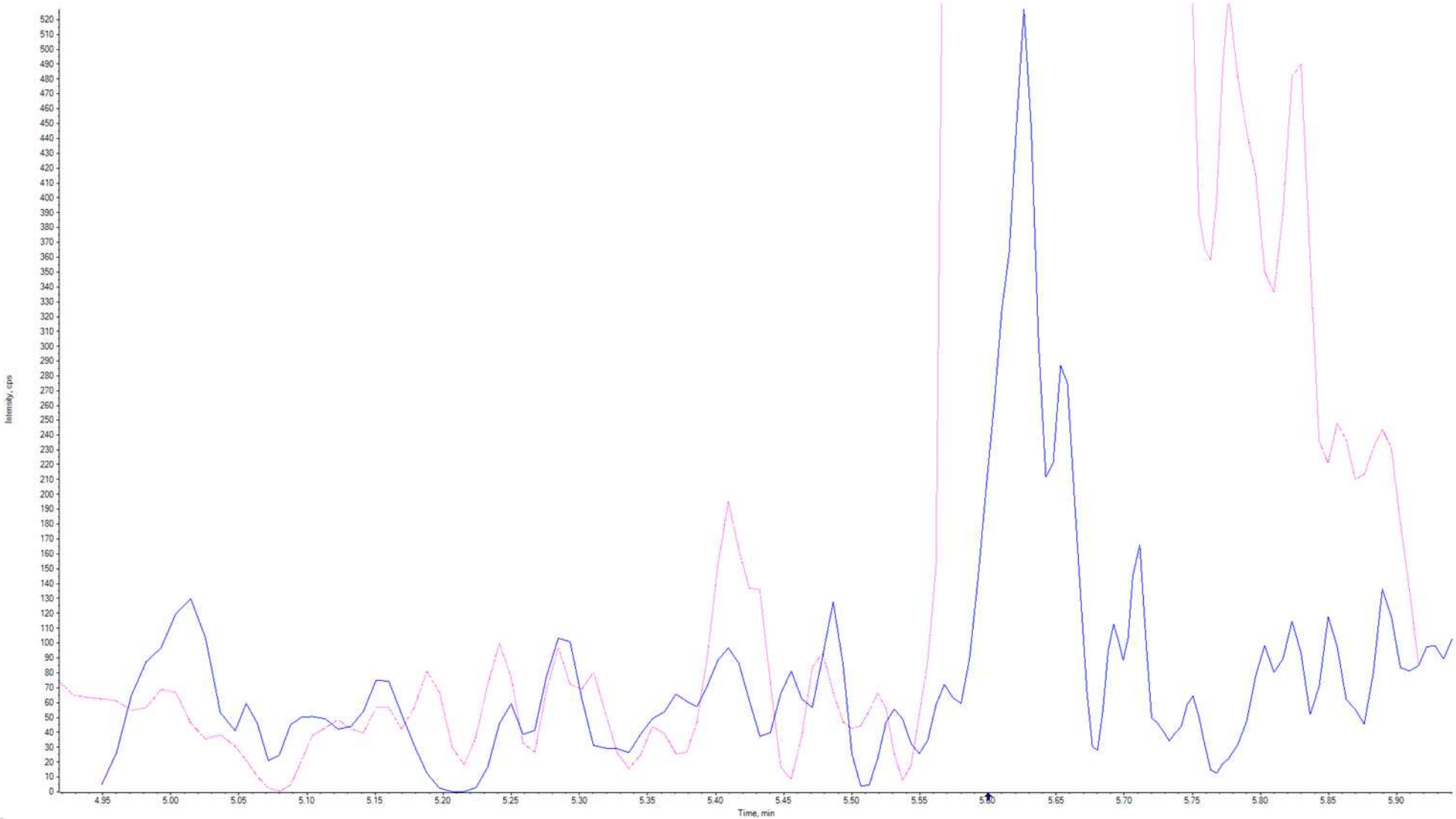

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

HFPO-DA_2
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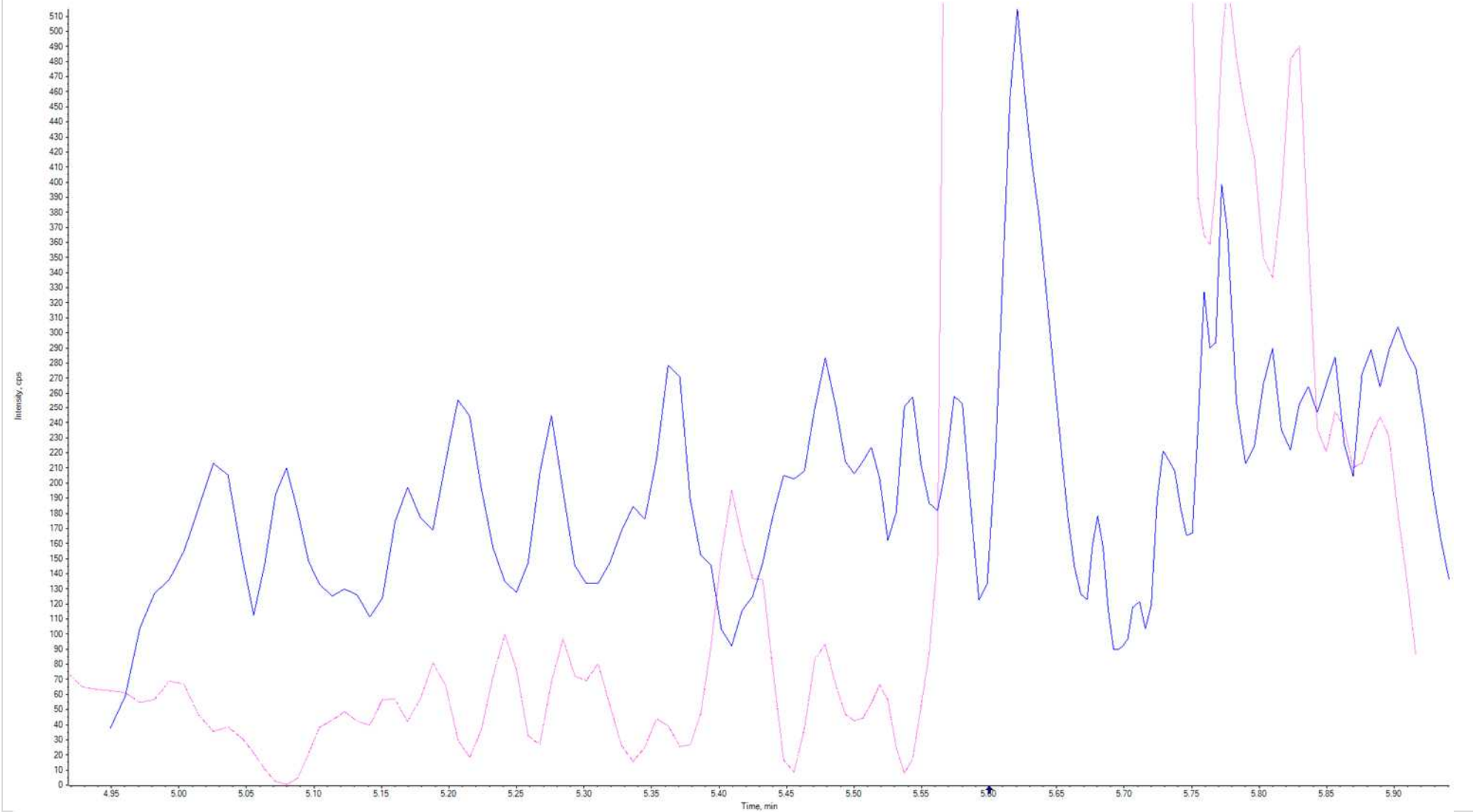

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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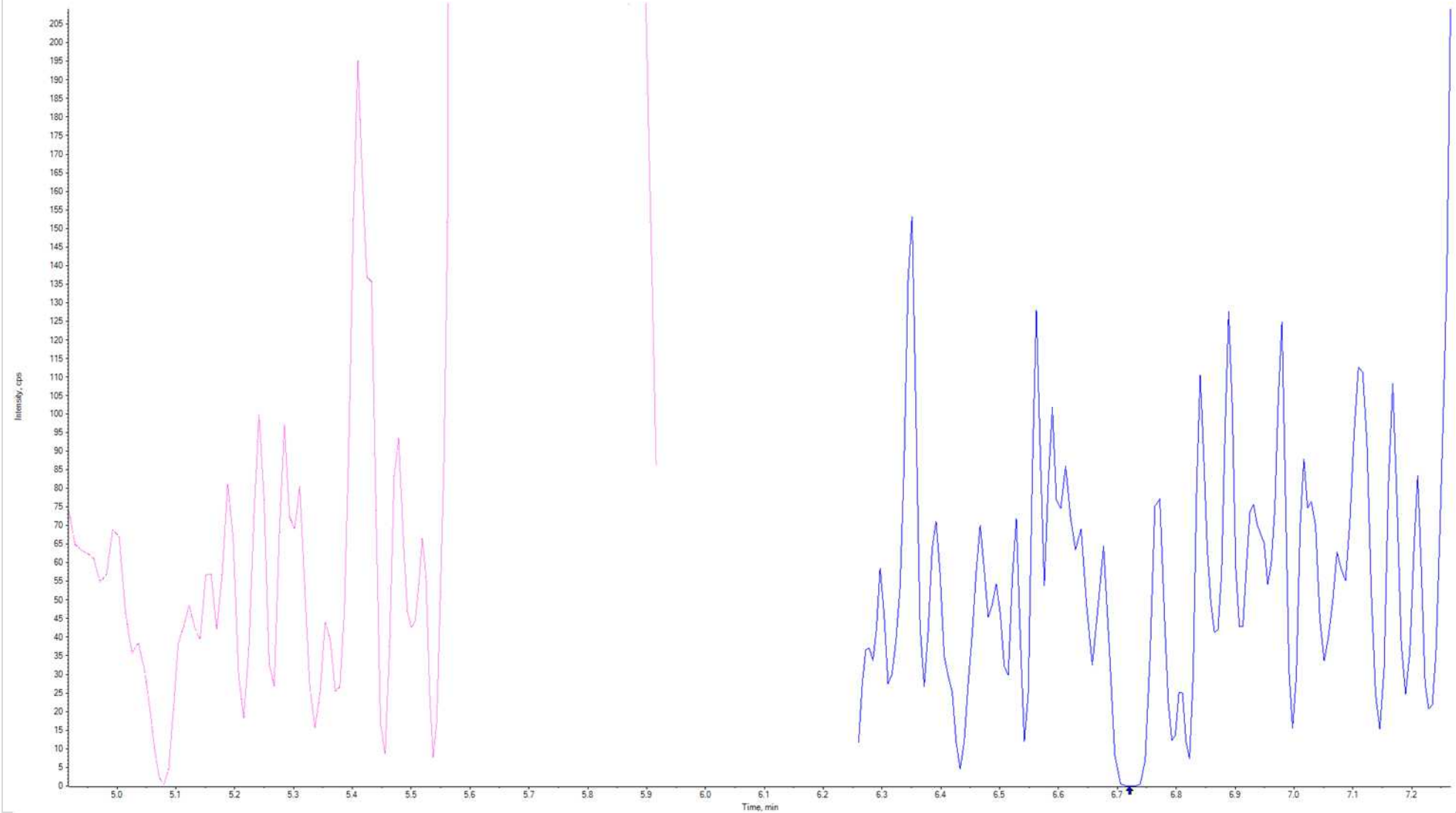
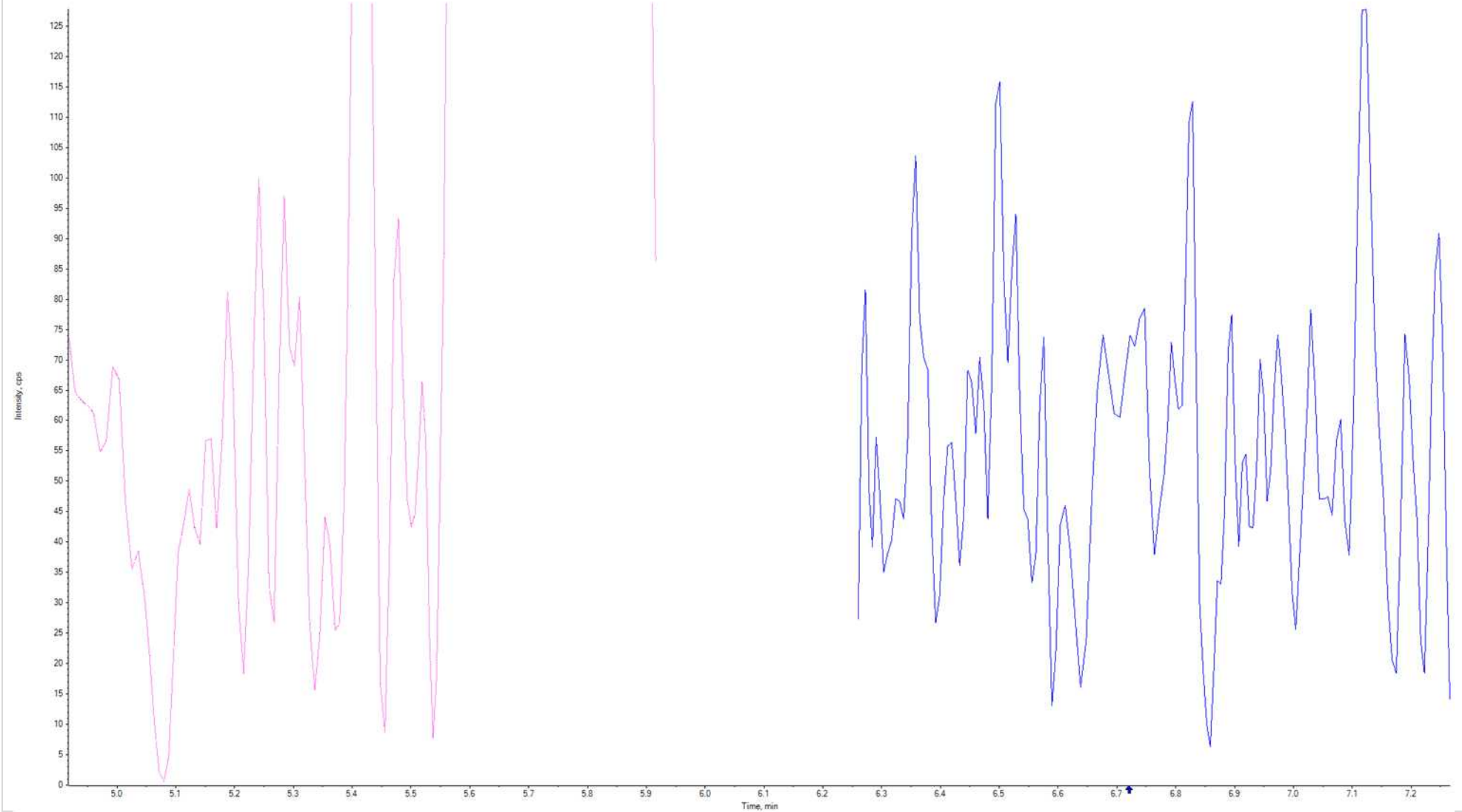
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

ADONA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



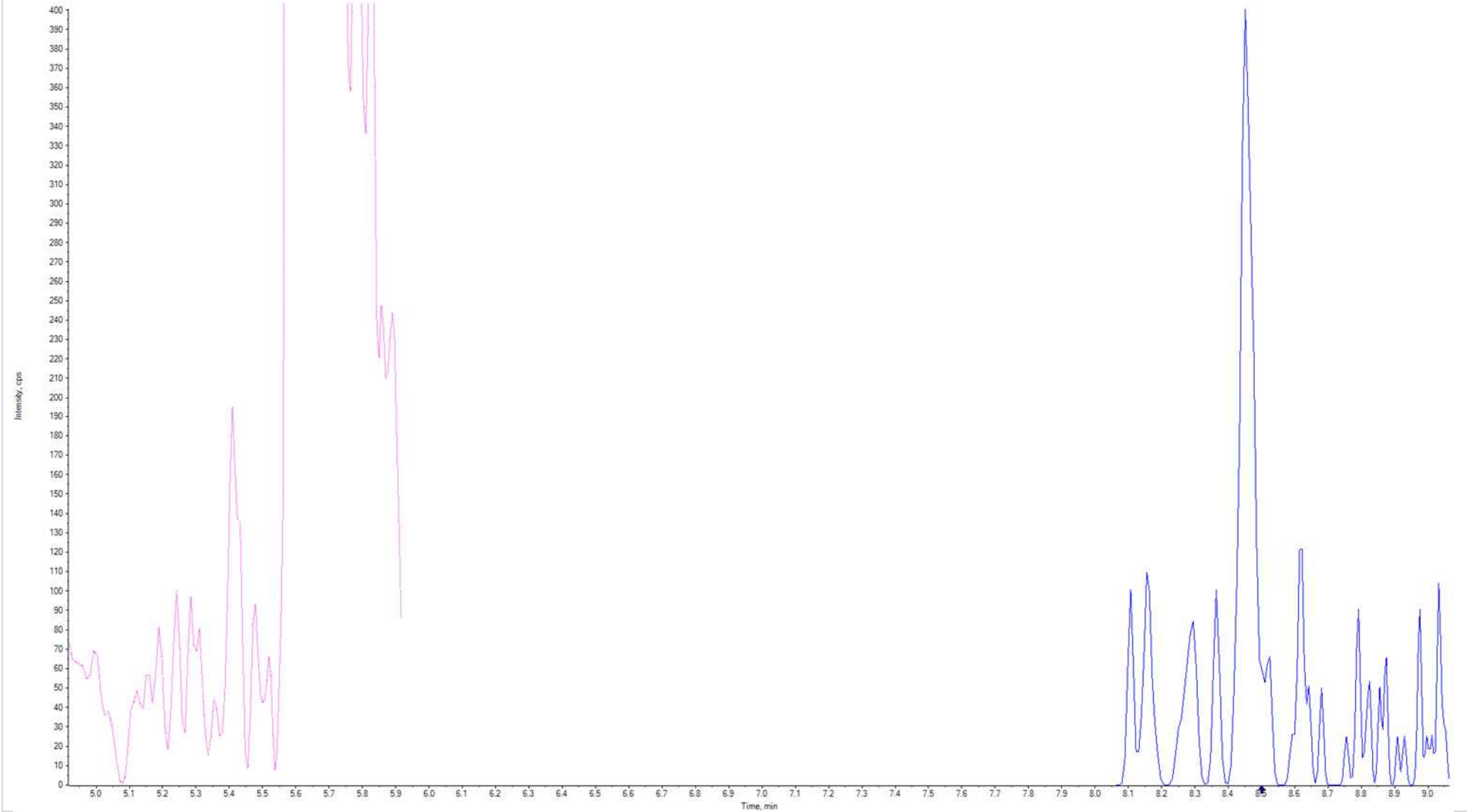
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

ADONA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



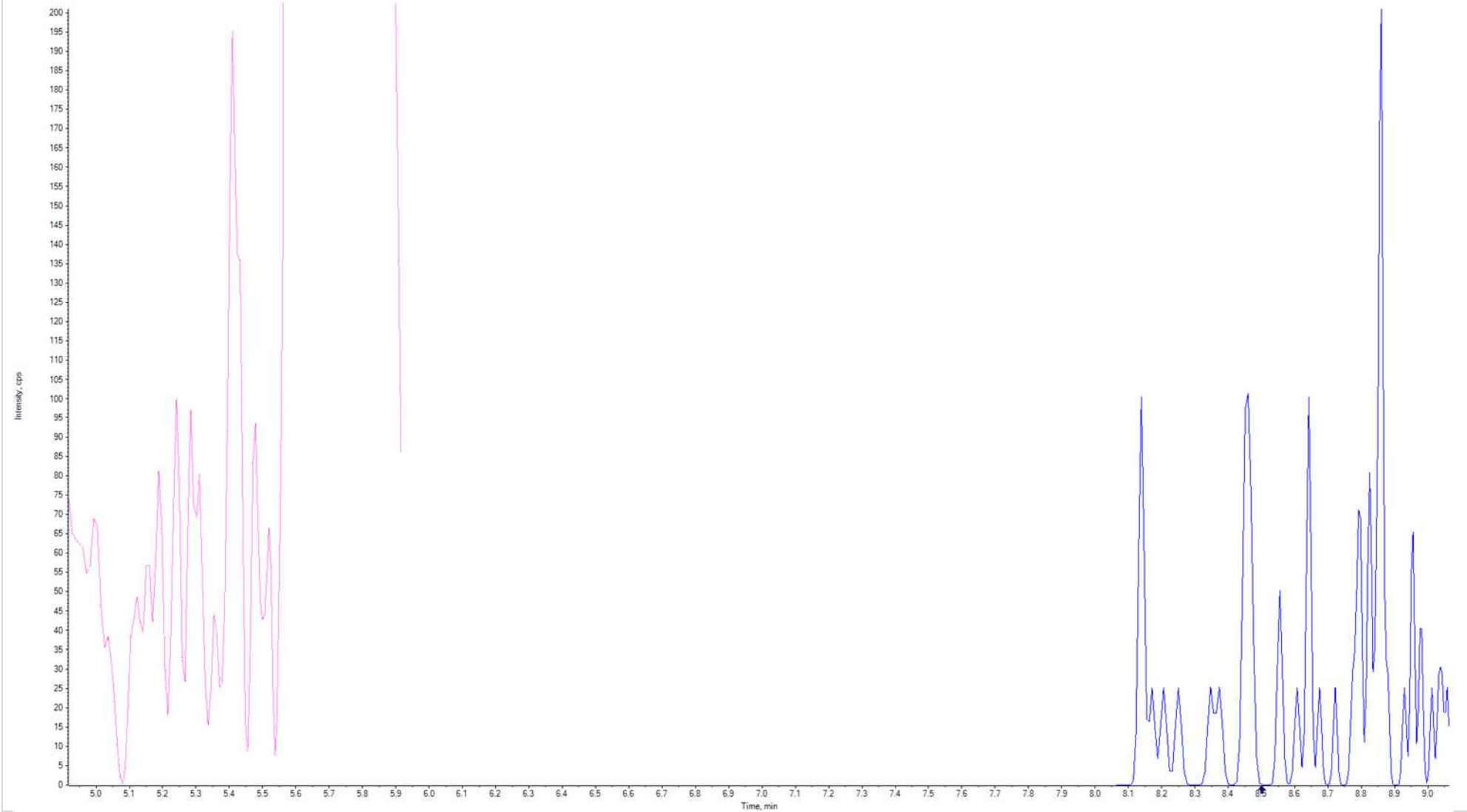
Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

9Cl-PF3ONS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

9Cl-PF3ONS_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

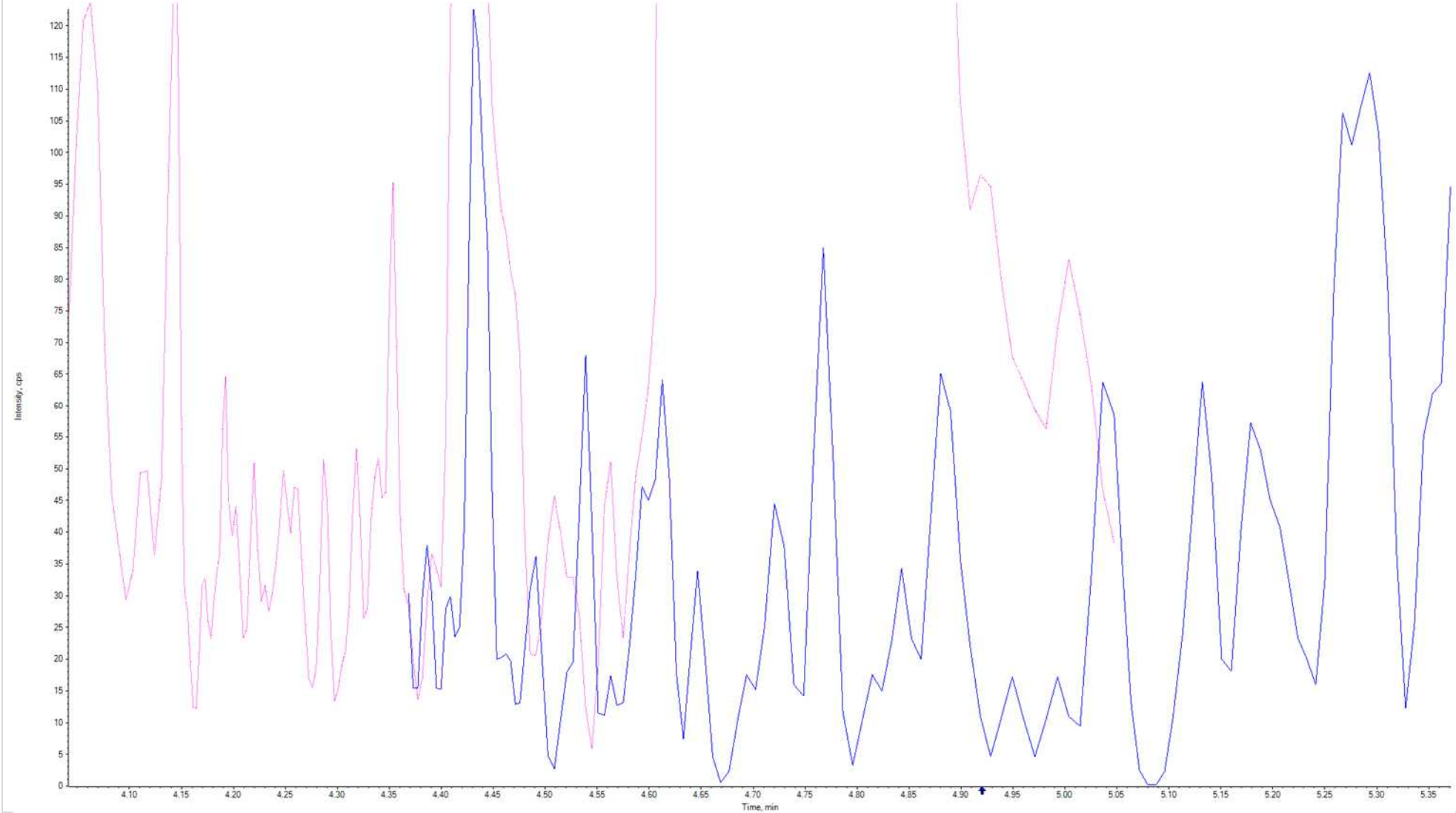
11Cl-PF3OUdS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

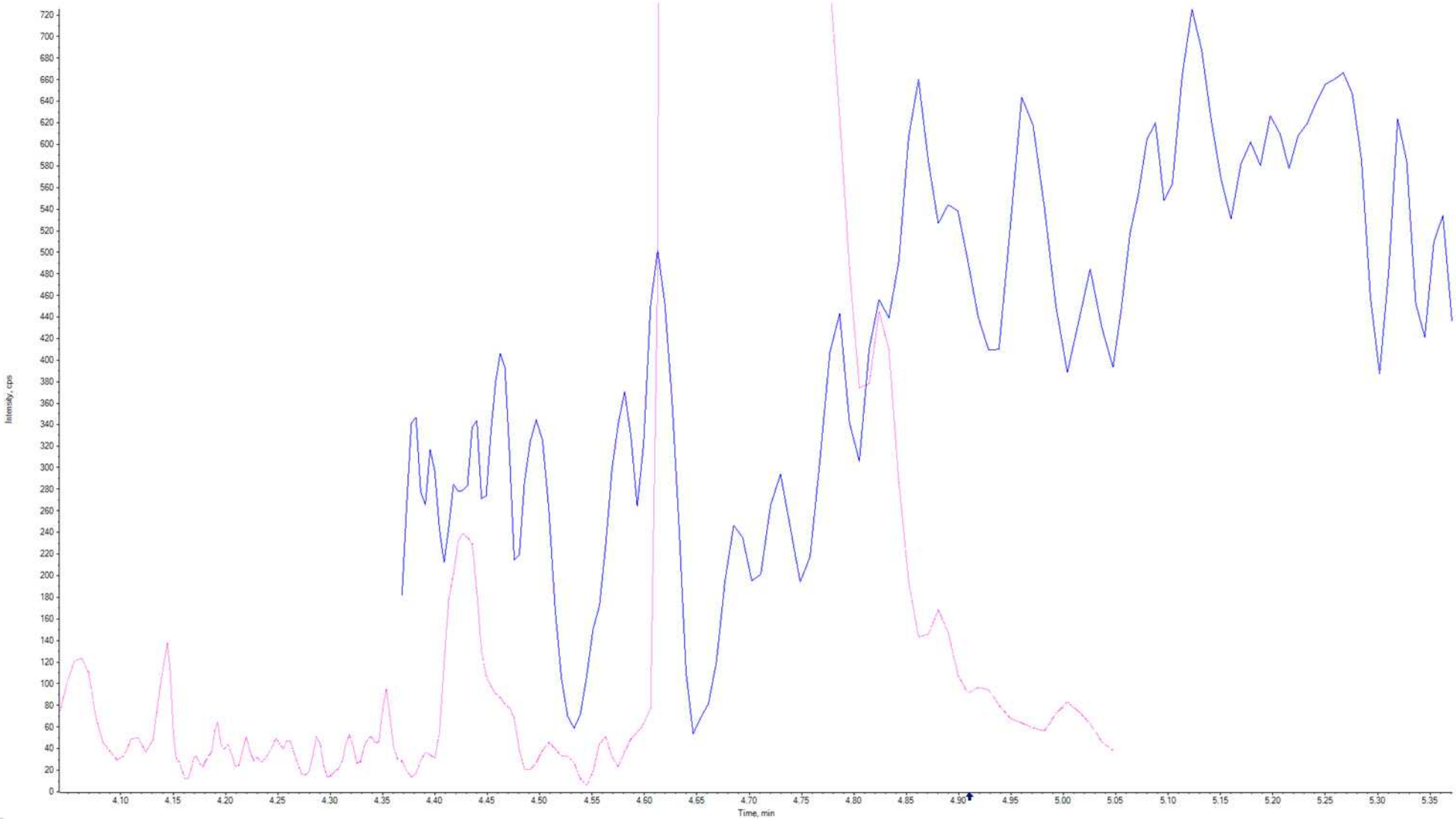
11Cl-PF3OUdS_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

3:3FTCA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A

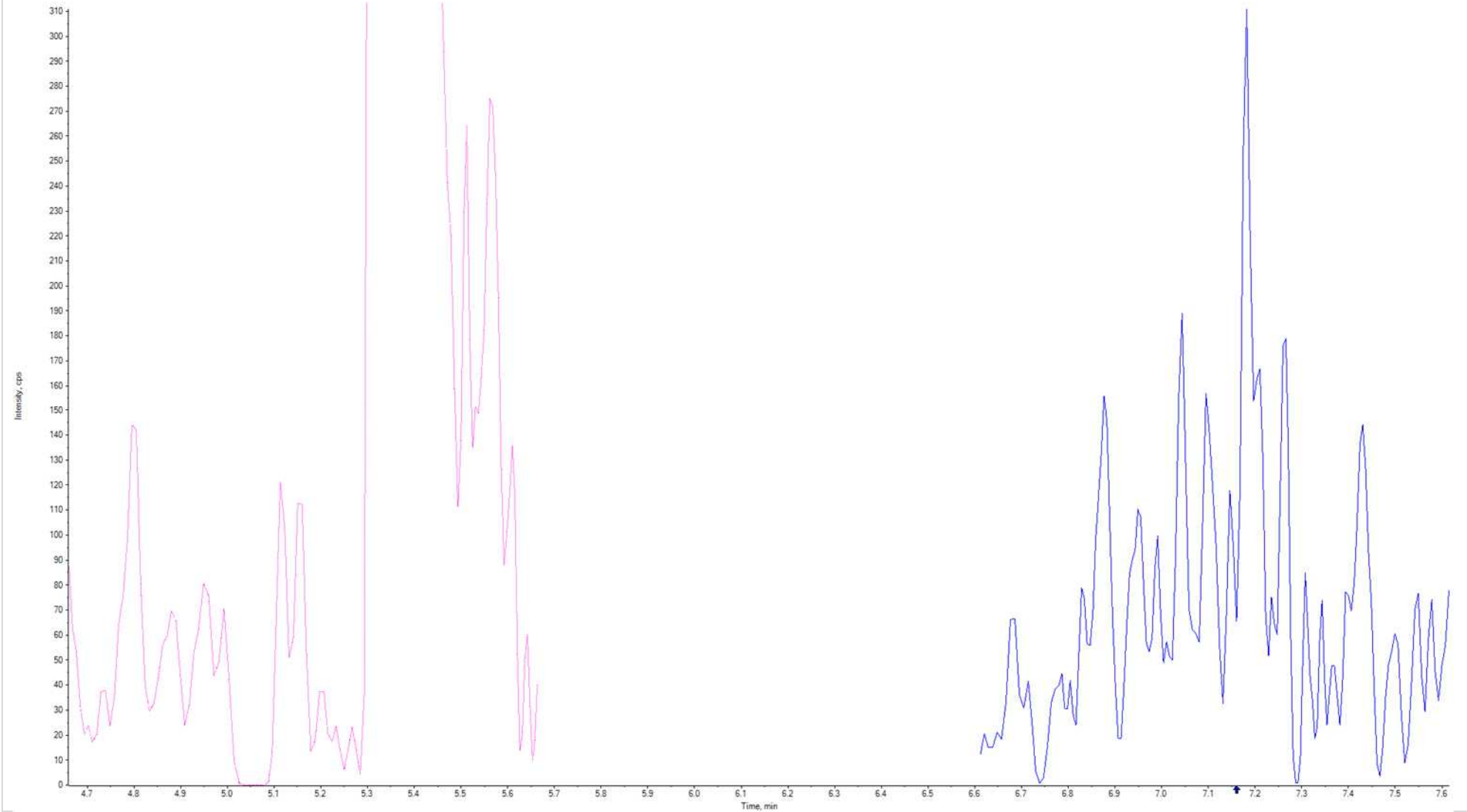


3:3FTCA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_24.wiff
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

5:3FTCA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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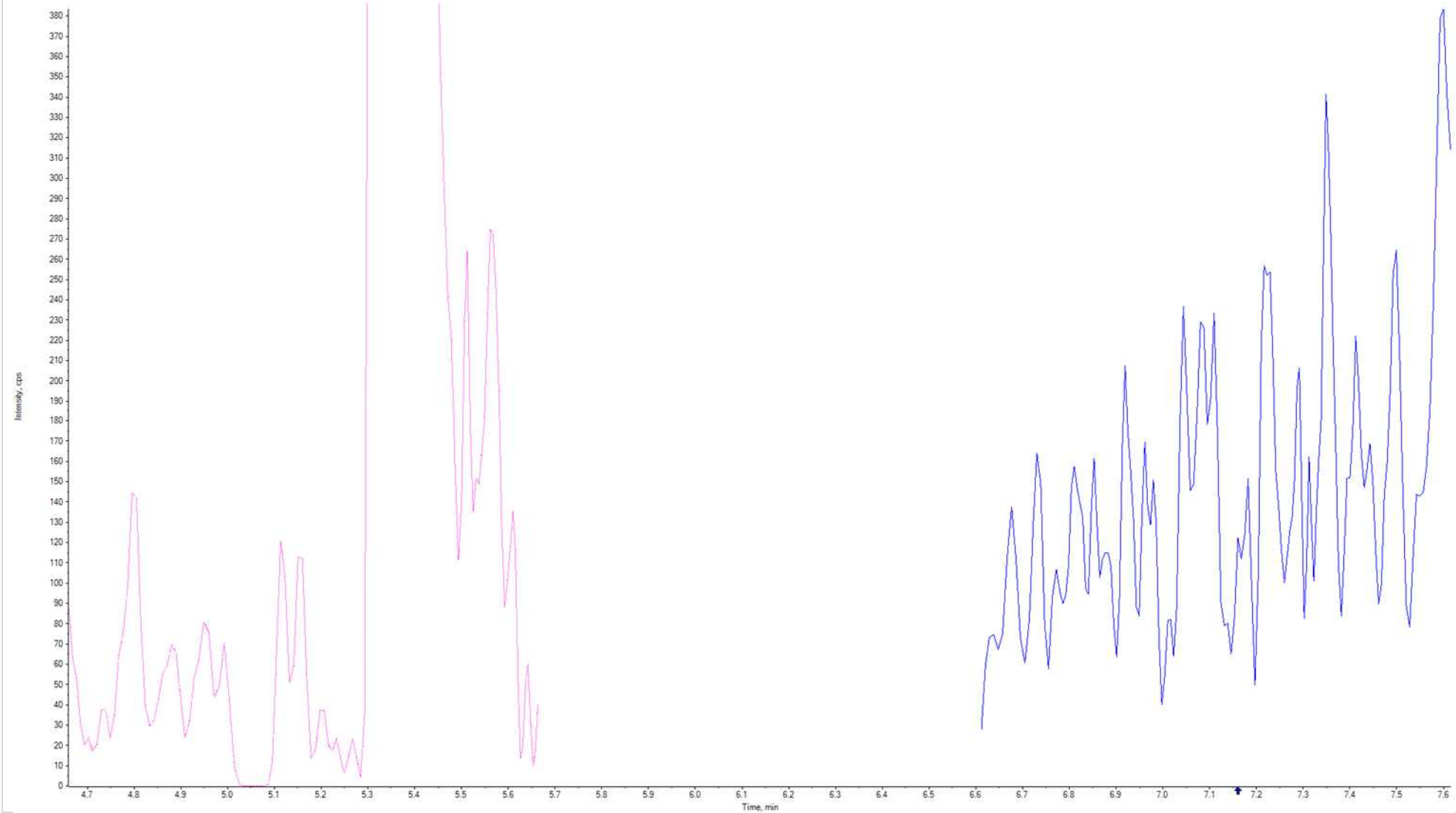
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

5:3FTCA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

7:3FTCA
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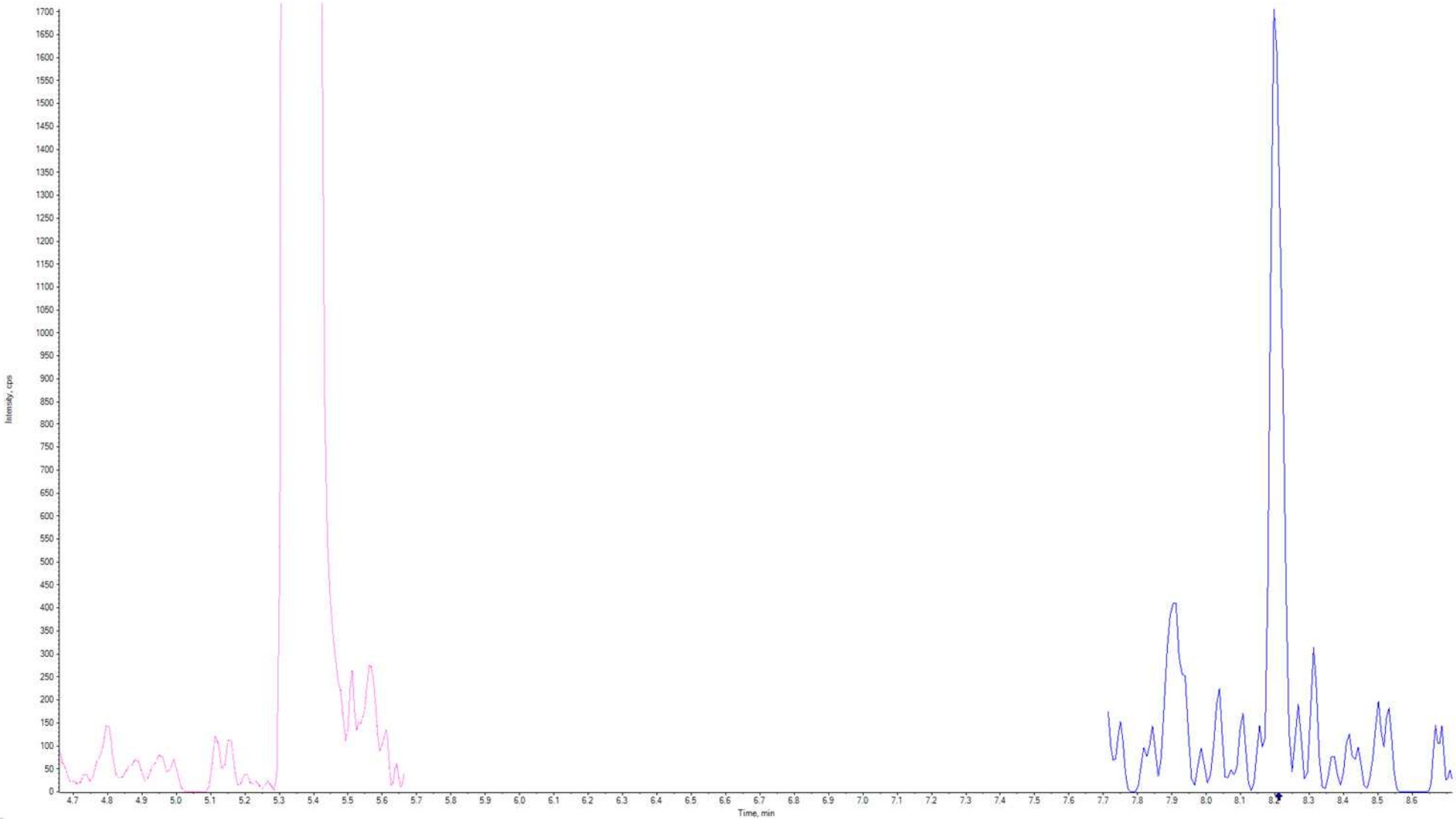

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
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7:3FTCA_2
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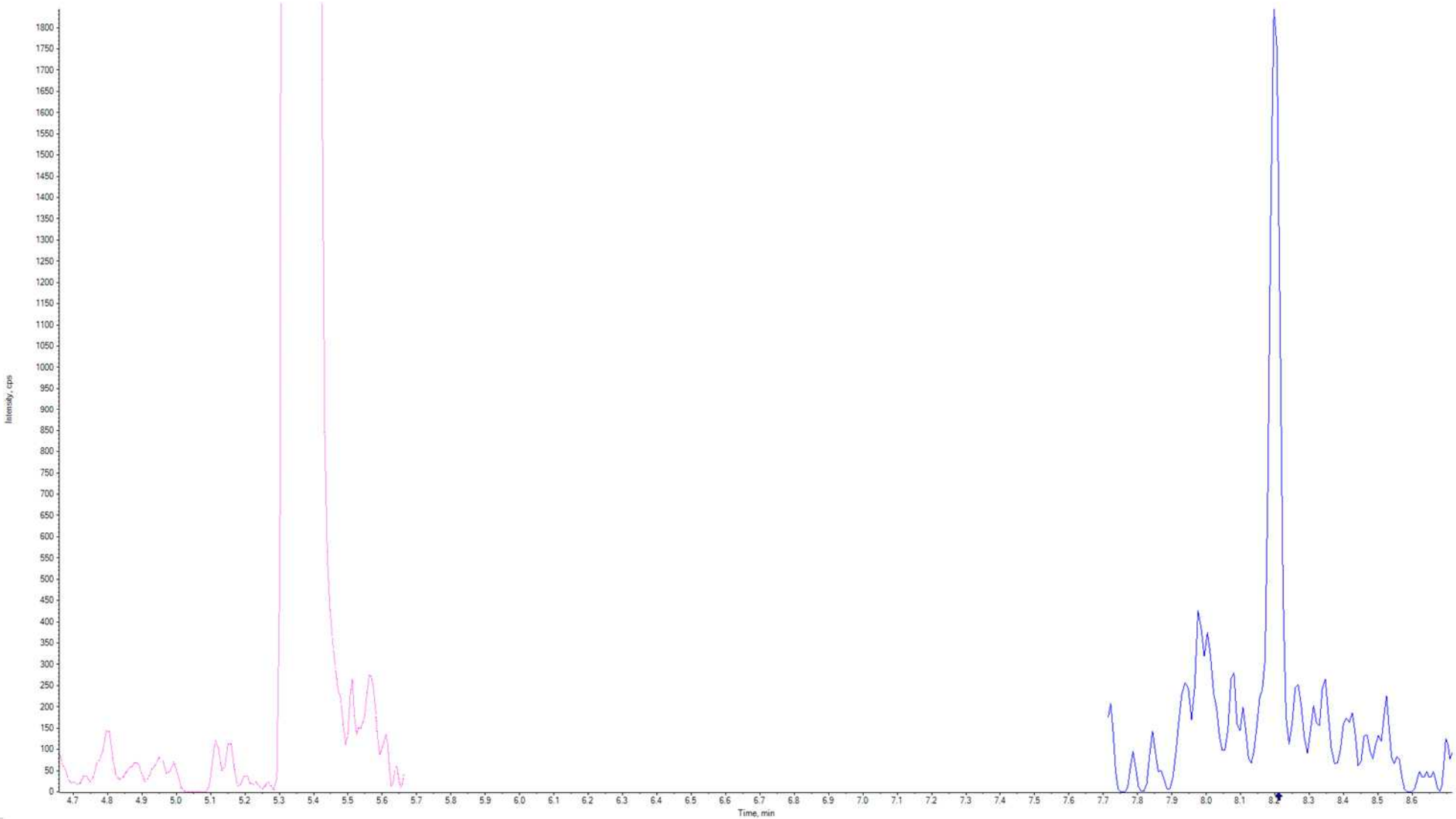

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

PFEESA
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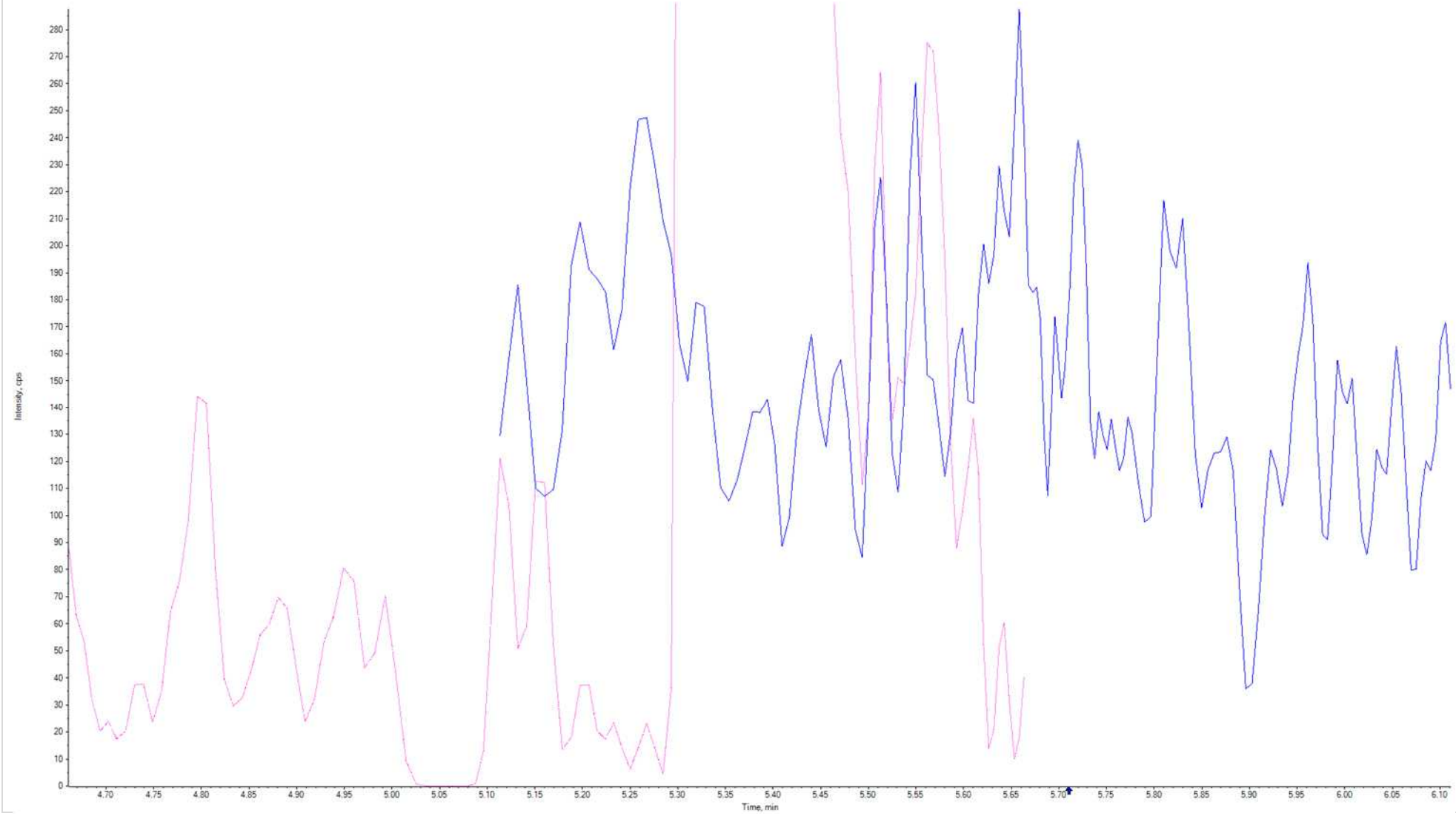

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 10:47:11 AM
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PFEESA_2
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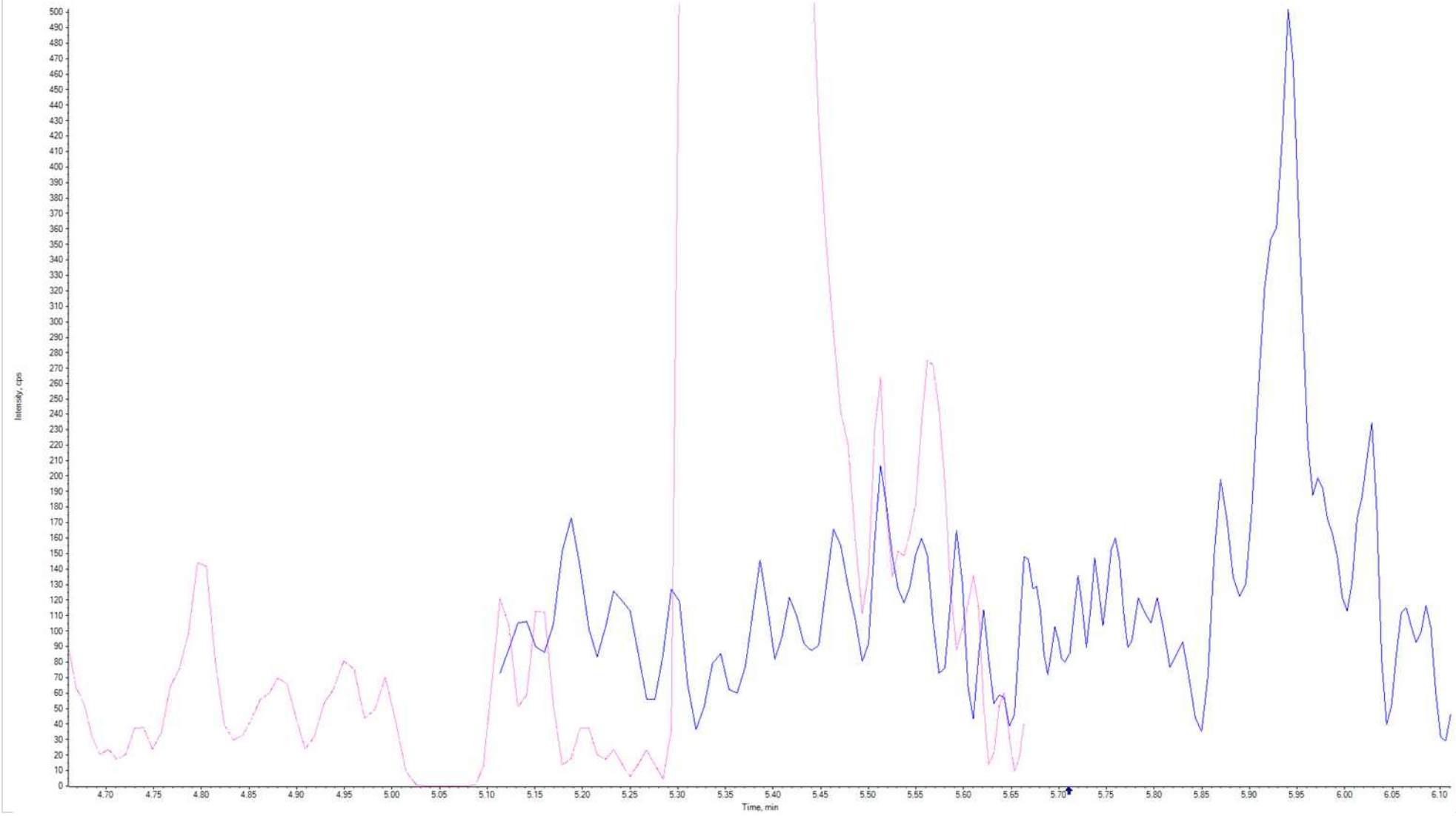

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFMPA
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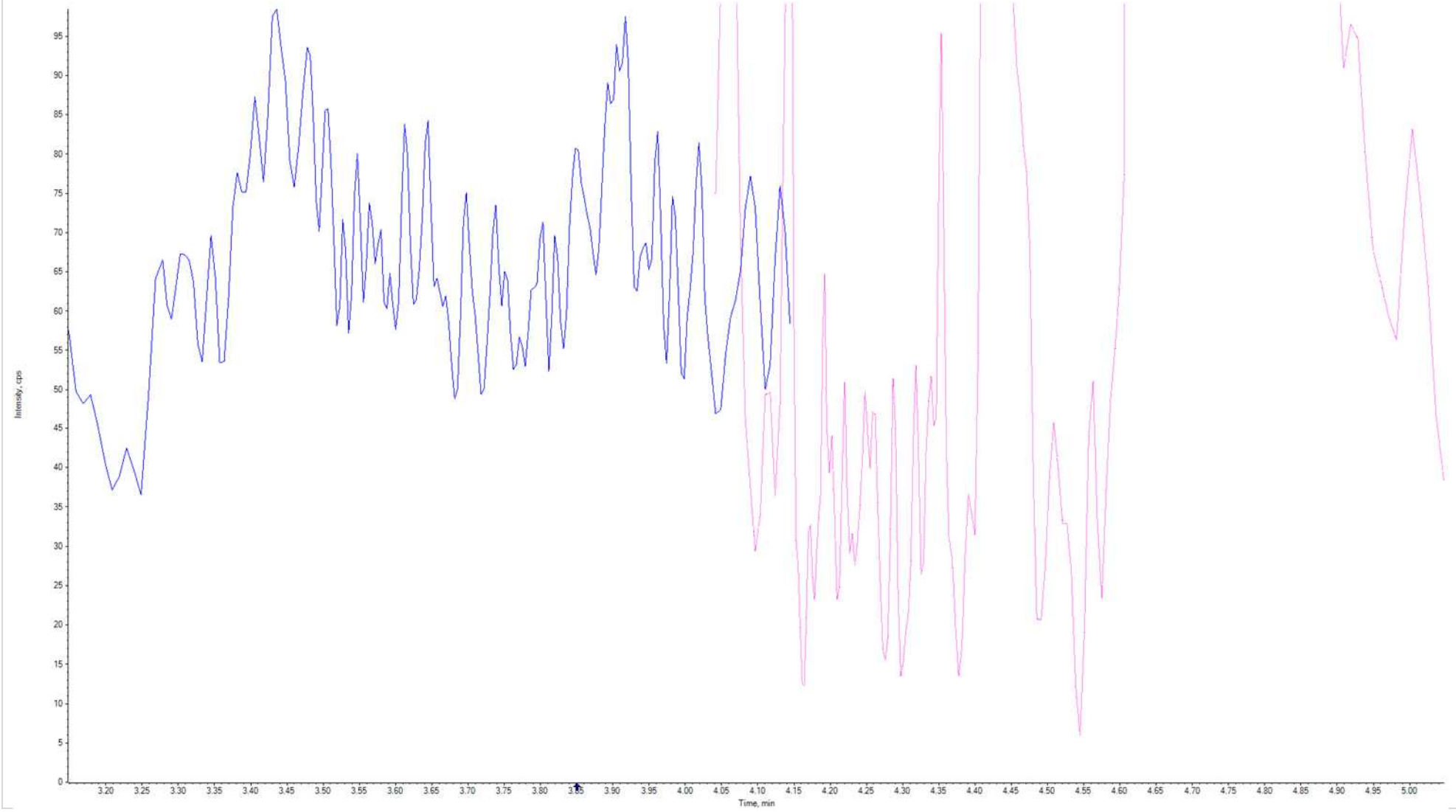

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFMBA
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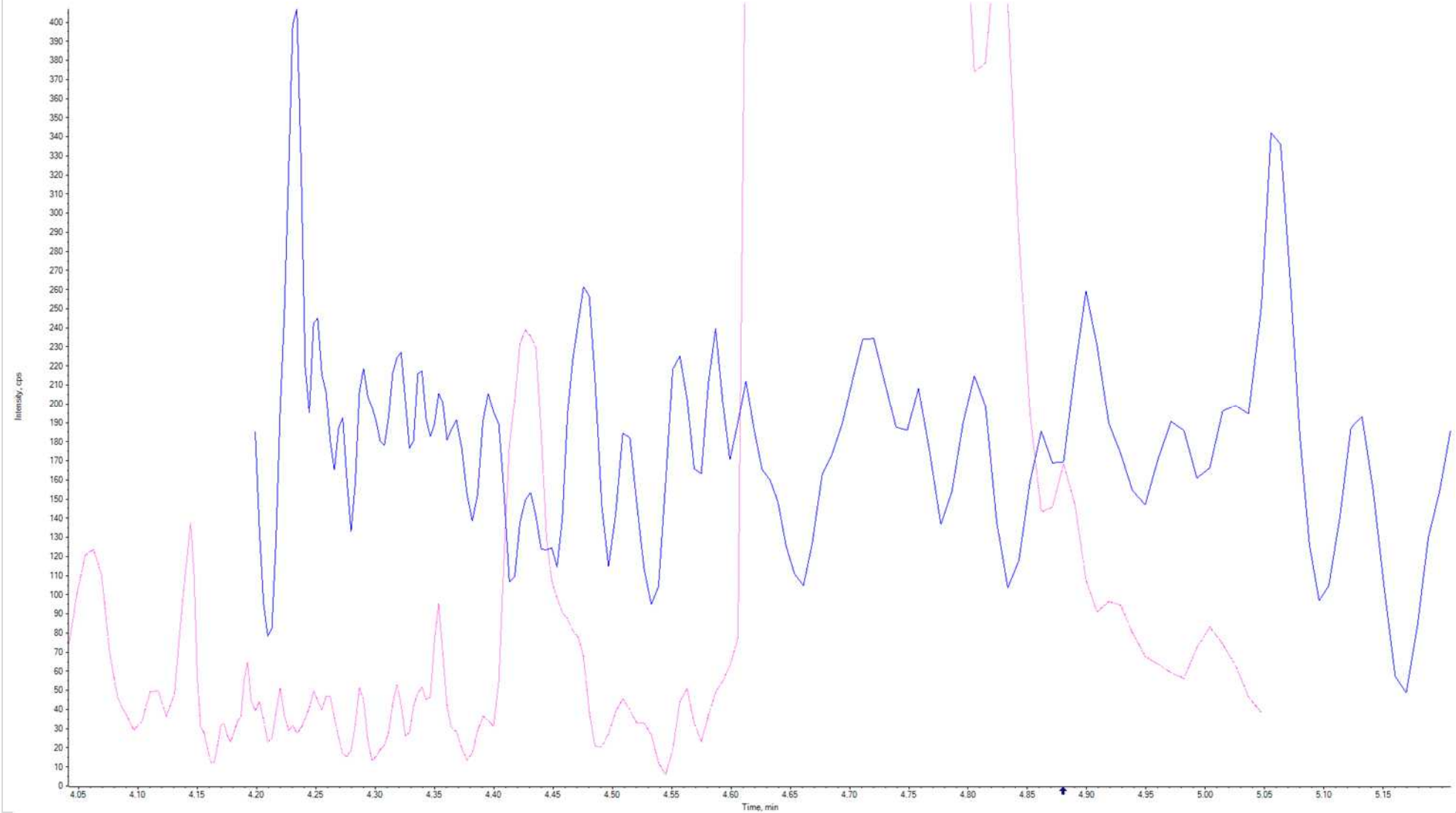
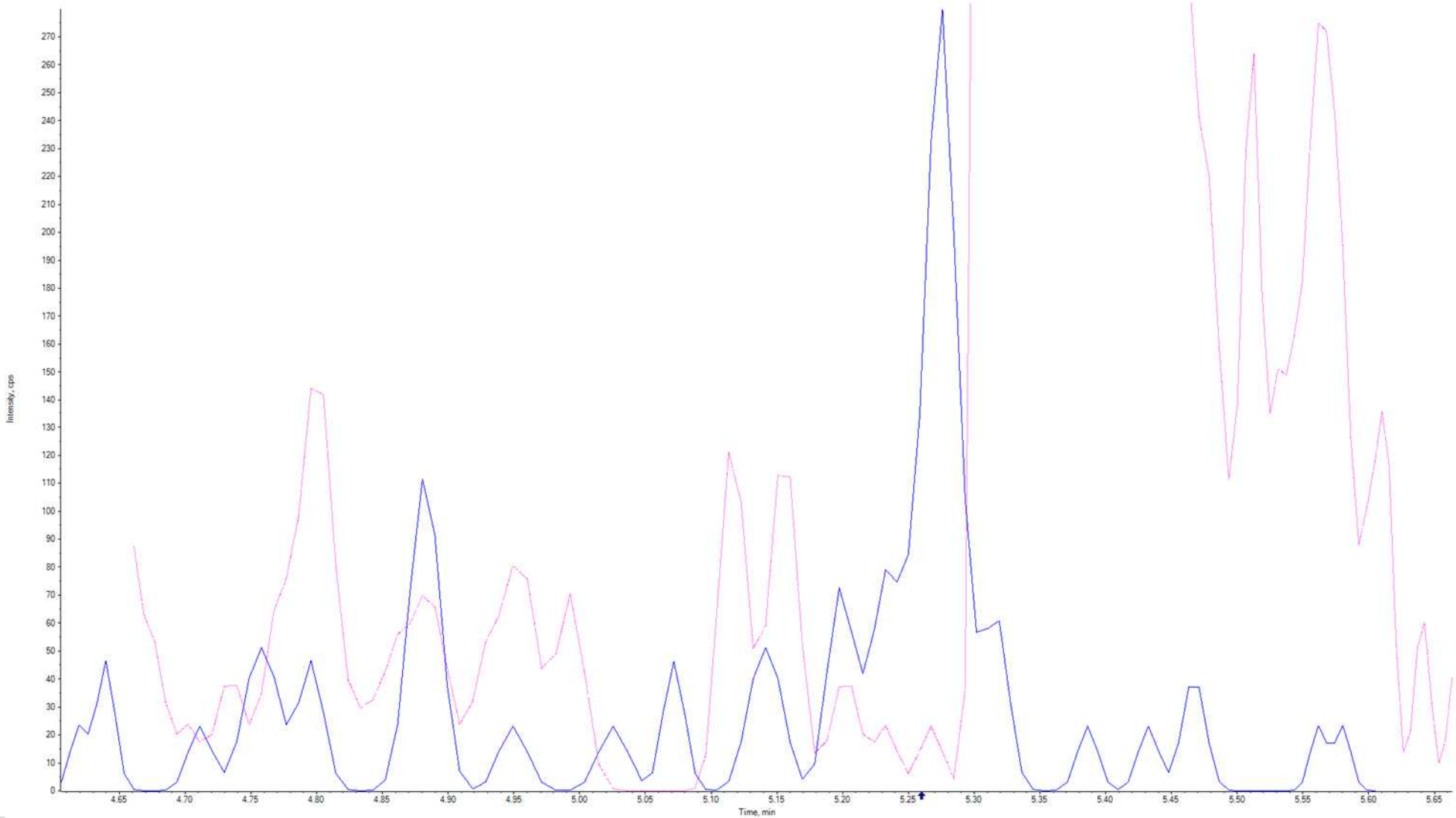


NFDHA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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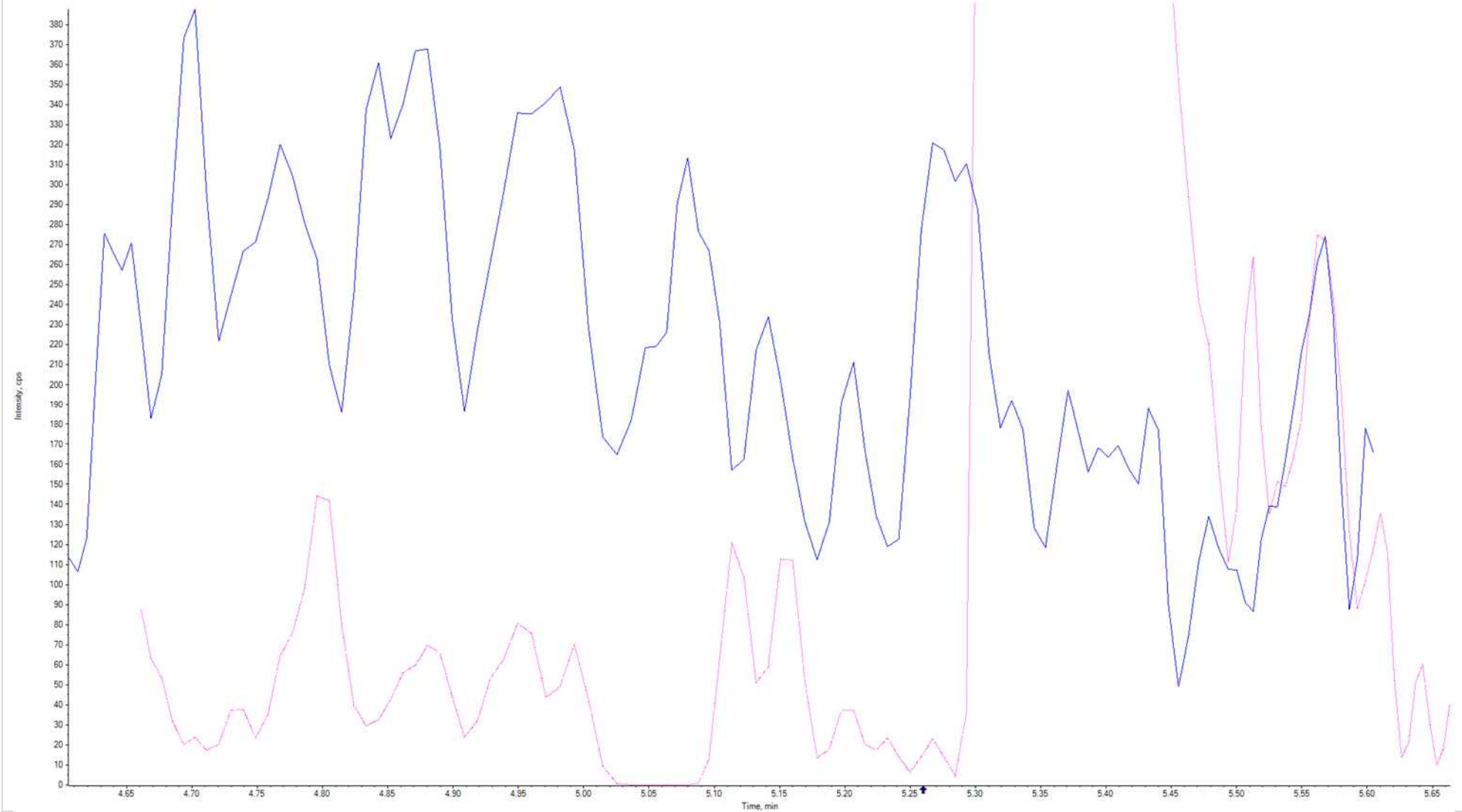
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

NFDHA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 9/17/2024 6:15:27 AM

TDCA
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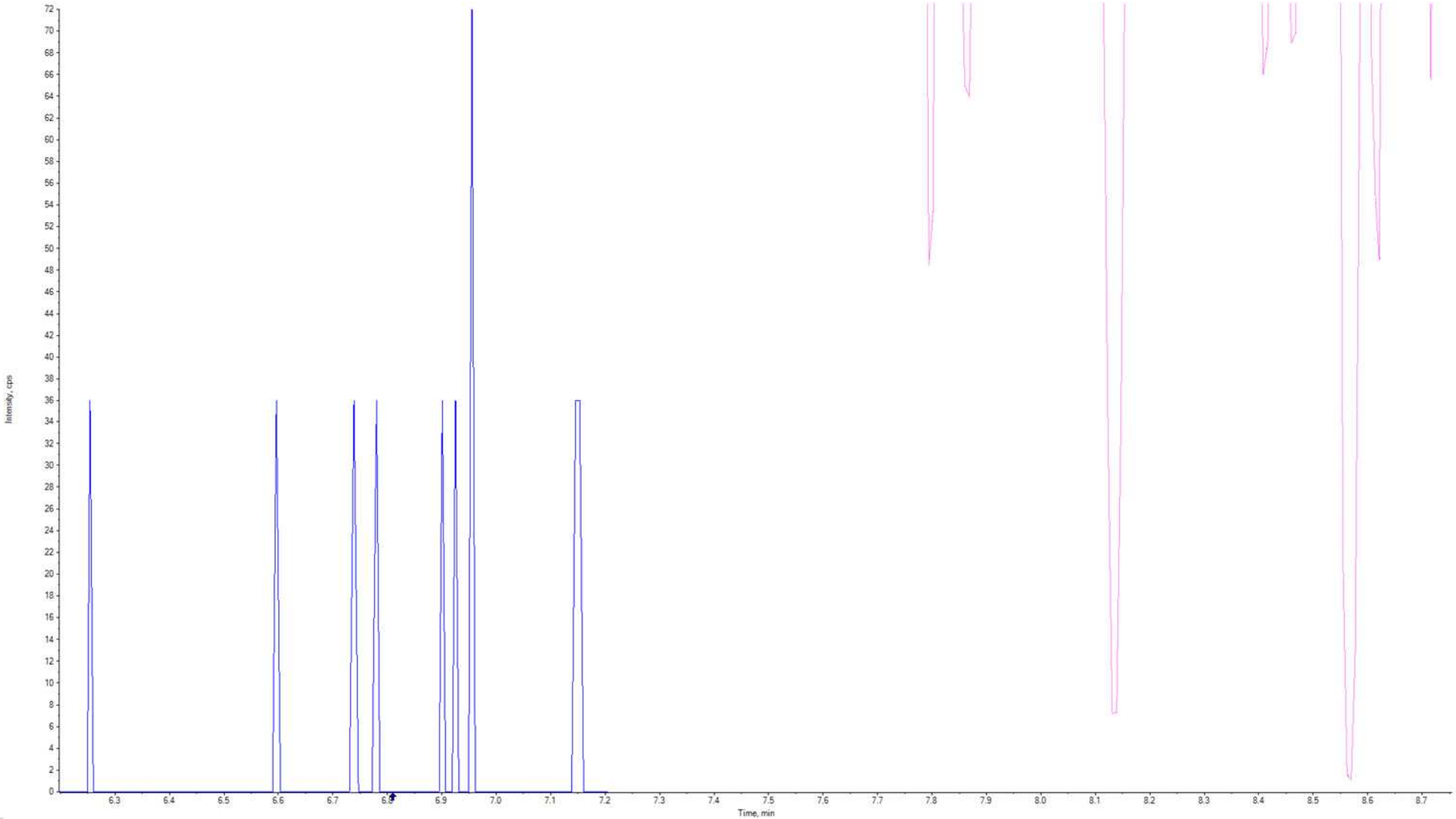

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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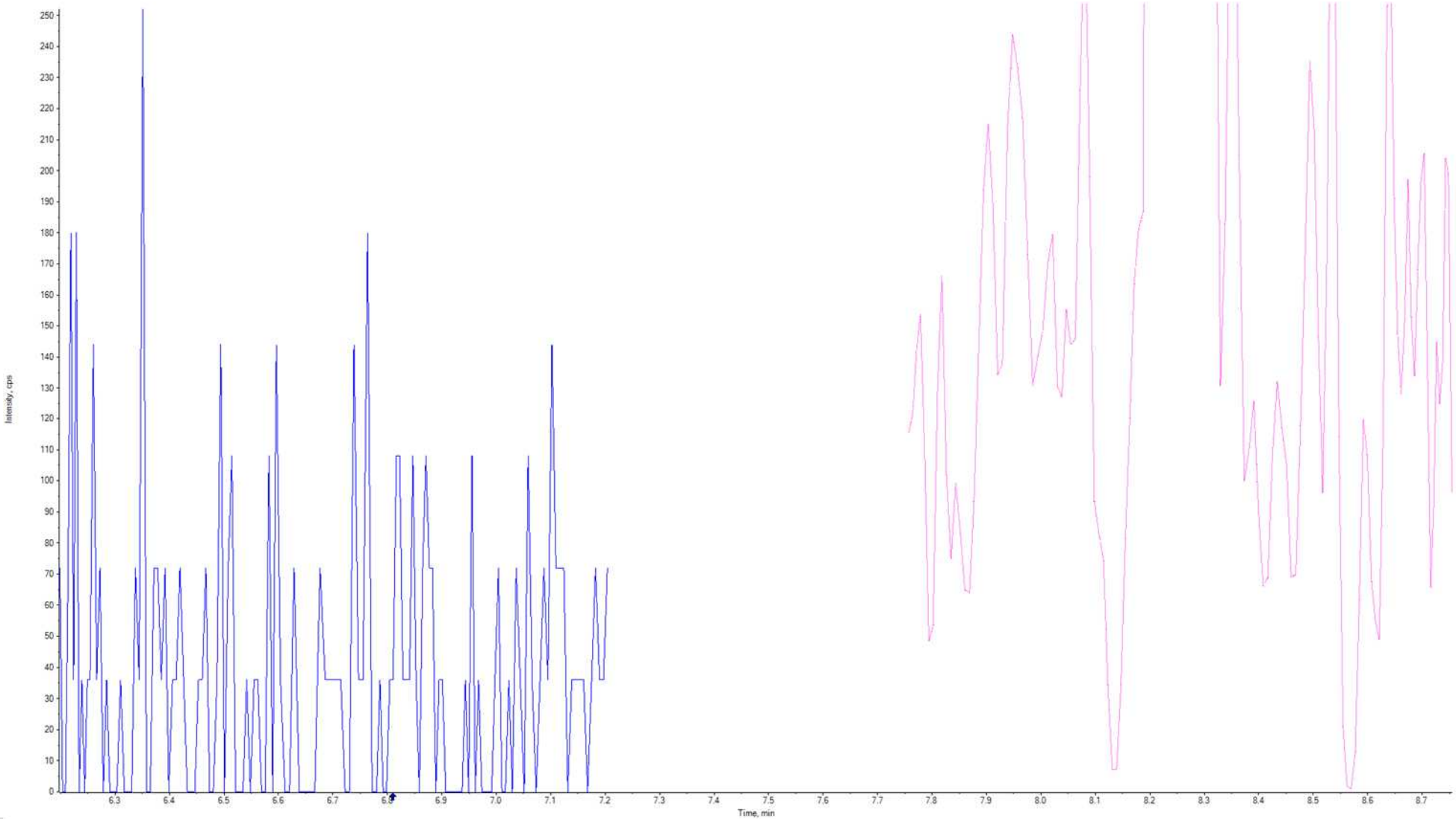
Generated: 9/17/2024 6:15:27 AM

TDCA_2
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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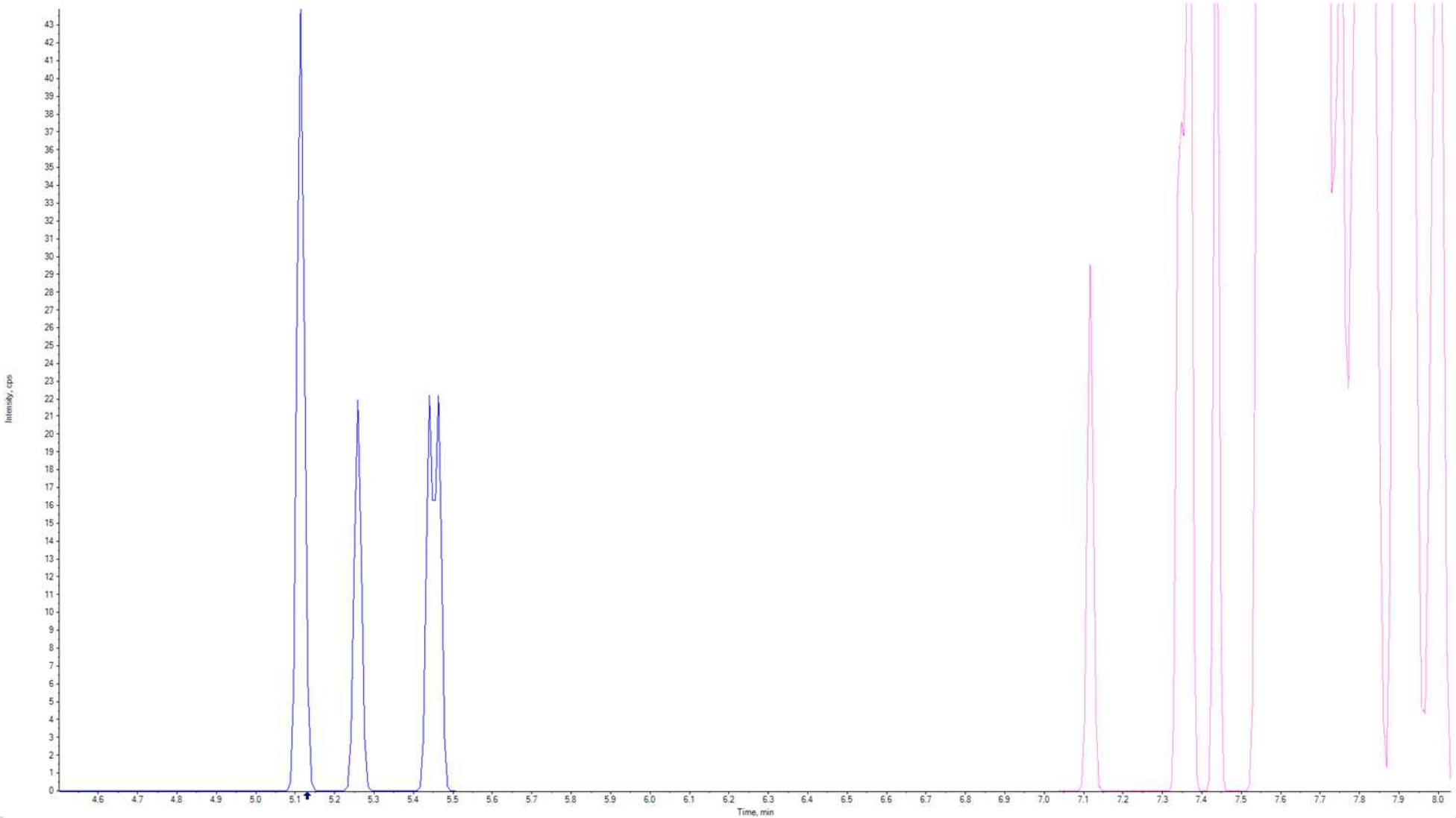
Last Altered: 9/17/2024 10:47:11 AM
Generated: 9/17/2024 6:15:27 AM

13C2D4-4:2FTS
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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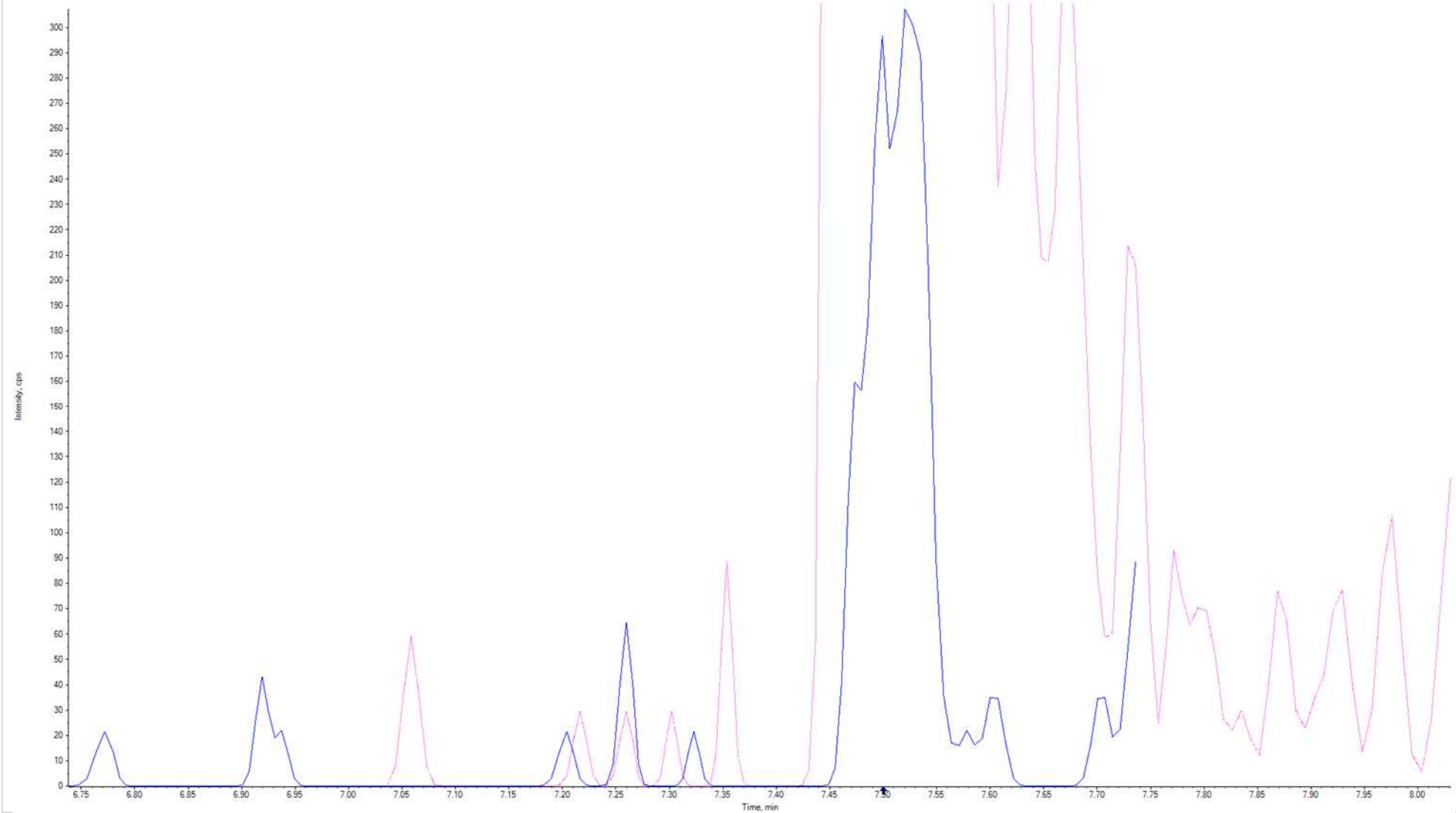
13C2-PFOA
Sample: L2447503-09 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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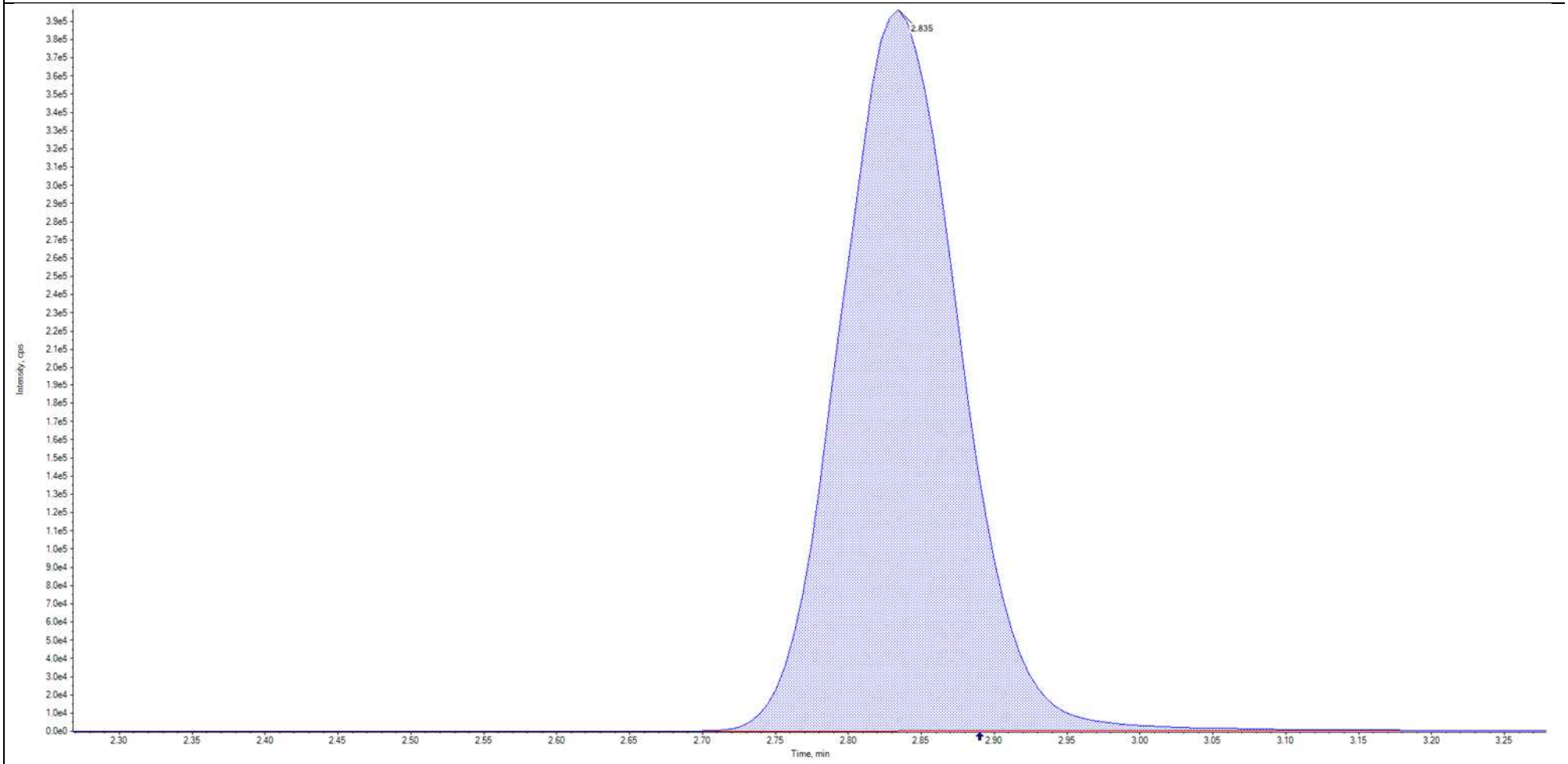
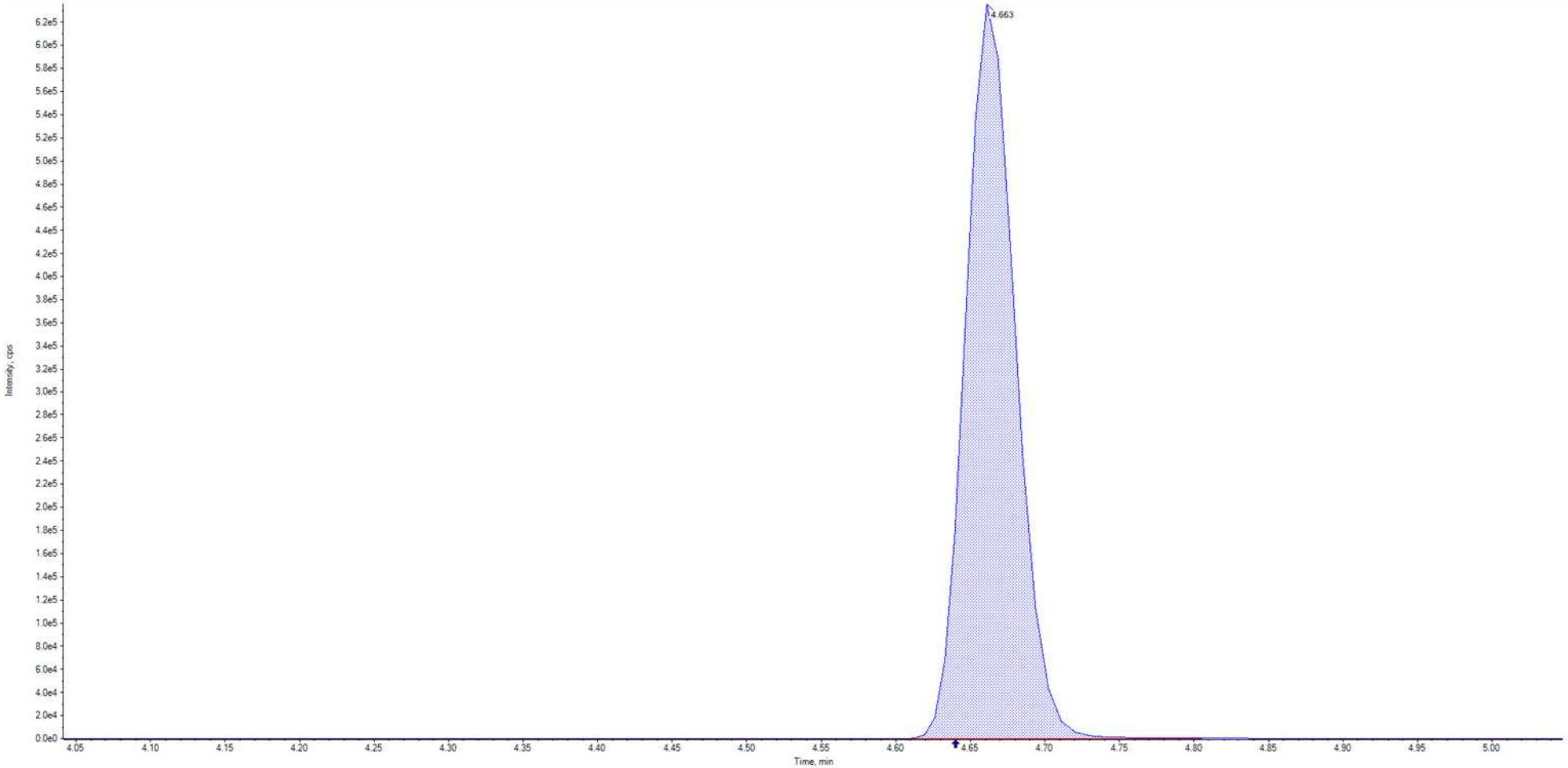
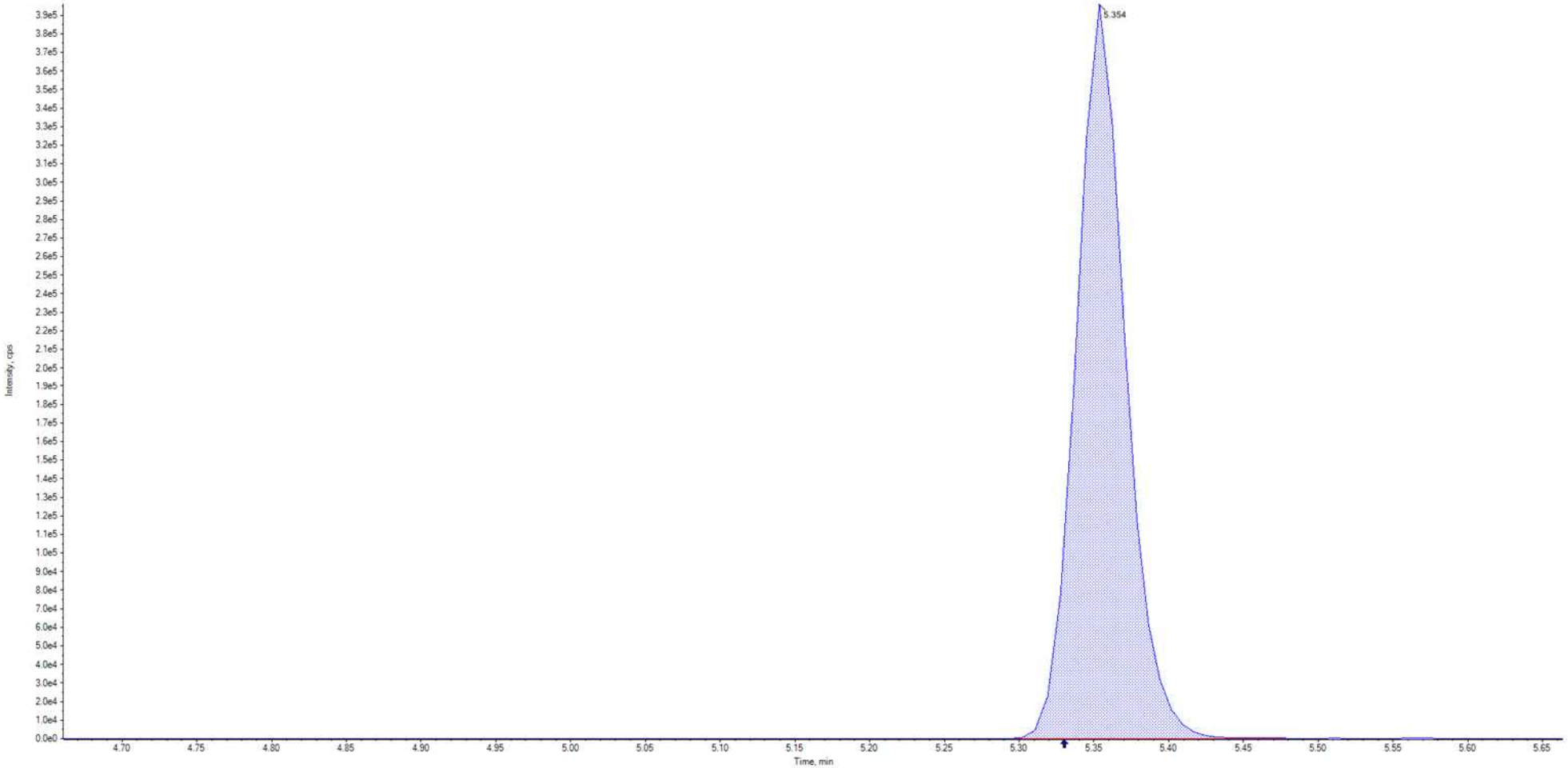
13C4-PFBA
Sample: L2447503-09



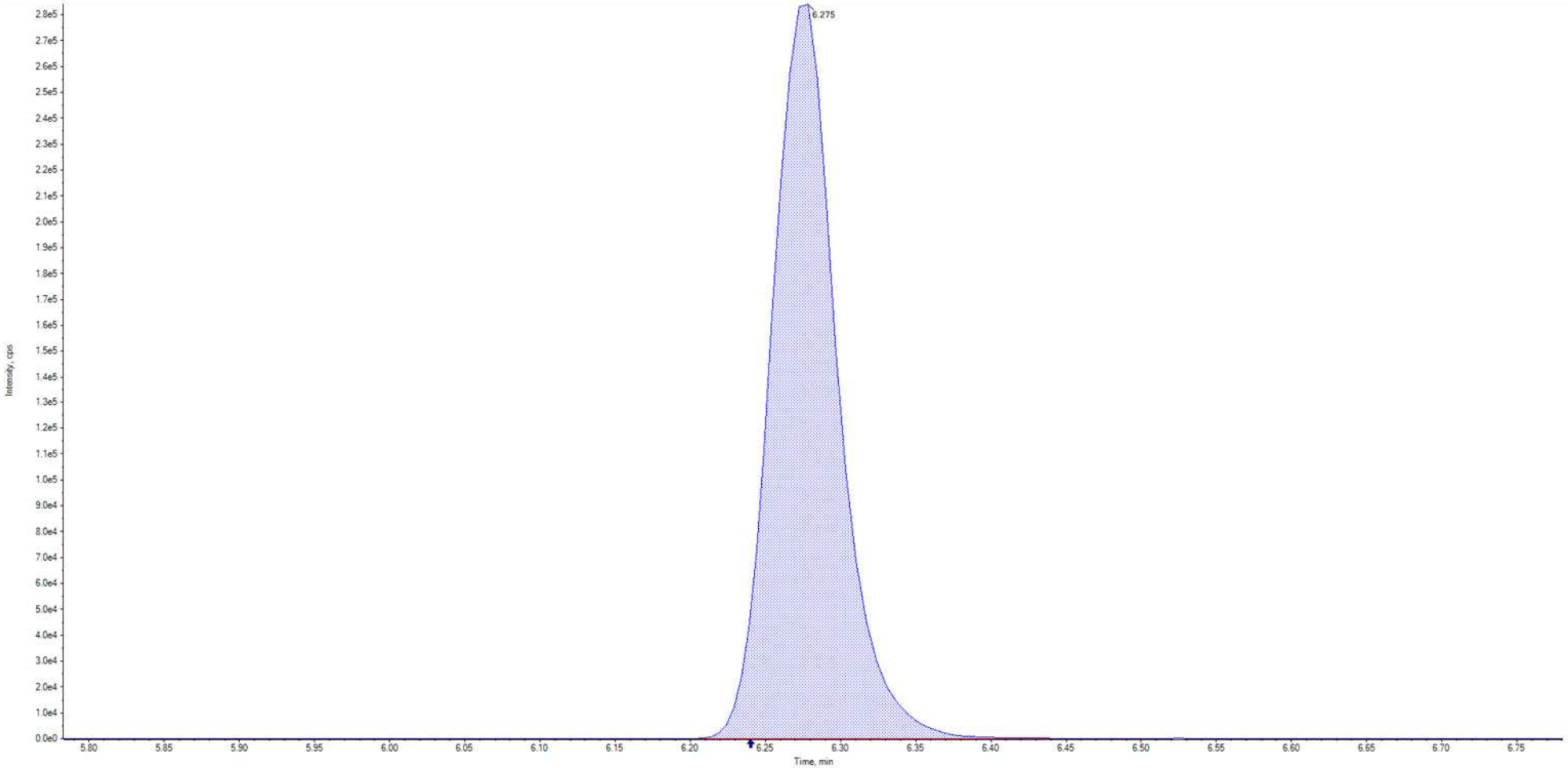
13C5-PFPeA
Sample: L2447503-09



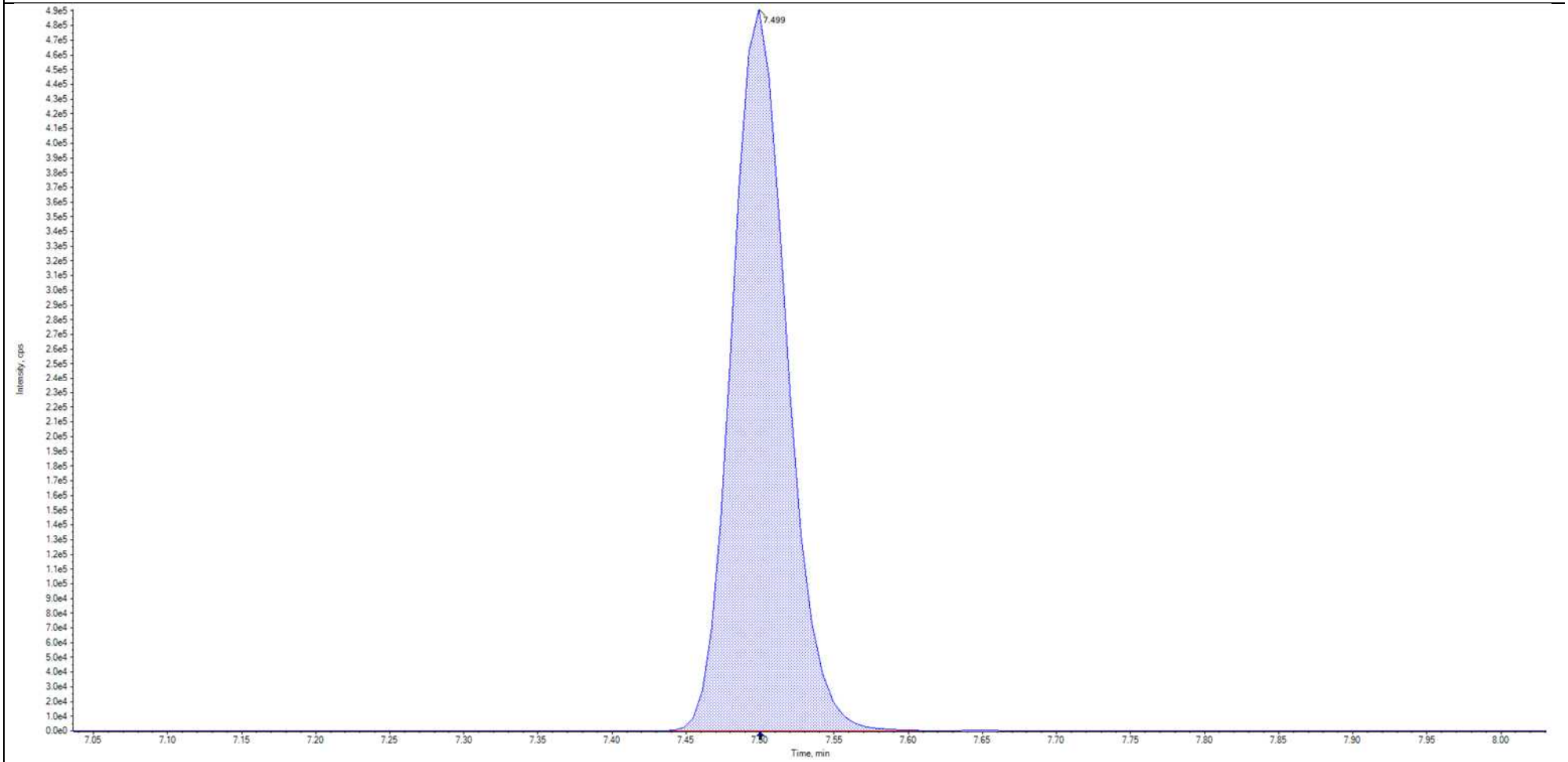
13C5-PFHxA
Sample: L2447503-09



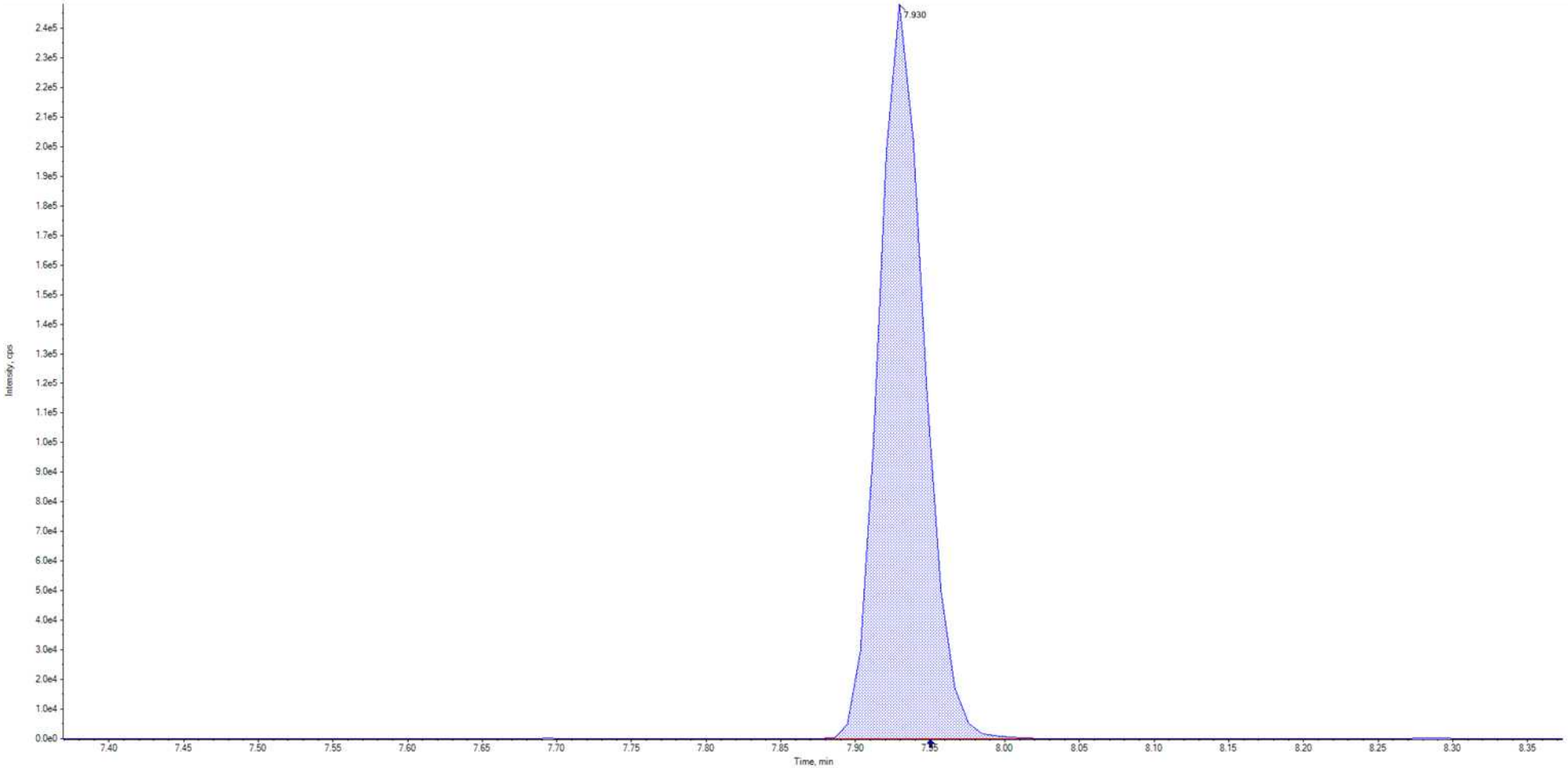
13C4-PFHpA
Sample: L2447503-09



13C8-PFOA
Sample: L2447503-09



13C9-PFNA
Sample: L2447503-09



13C6-PFDA
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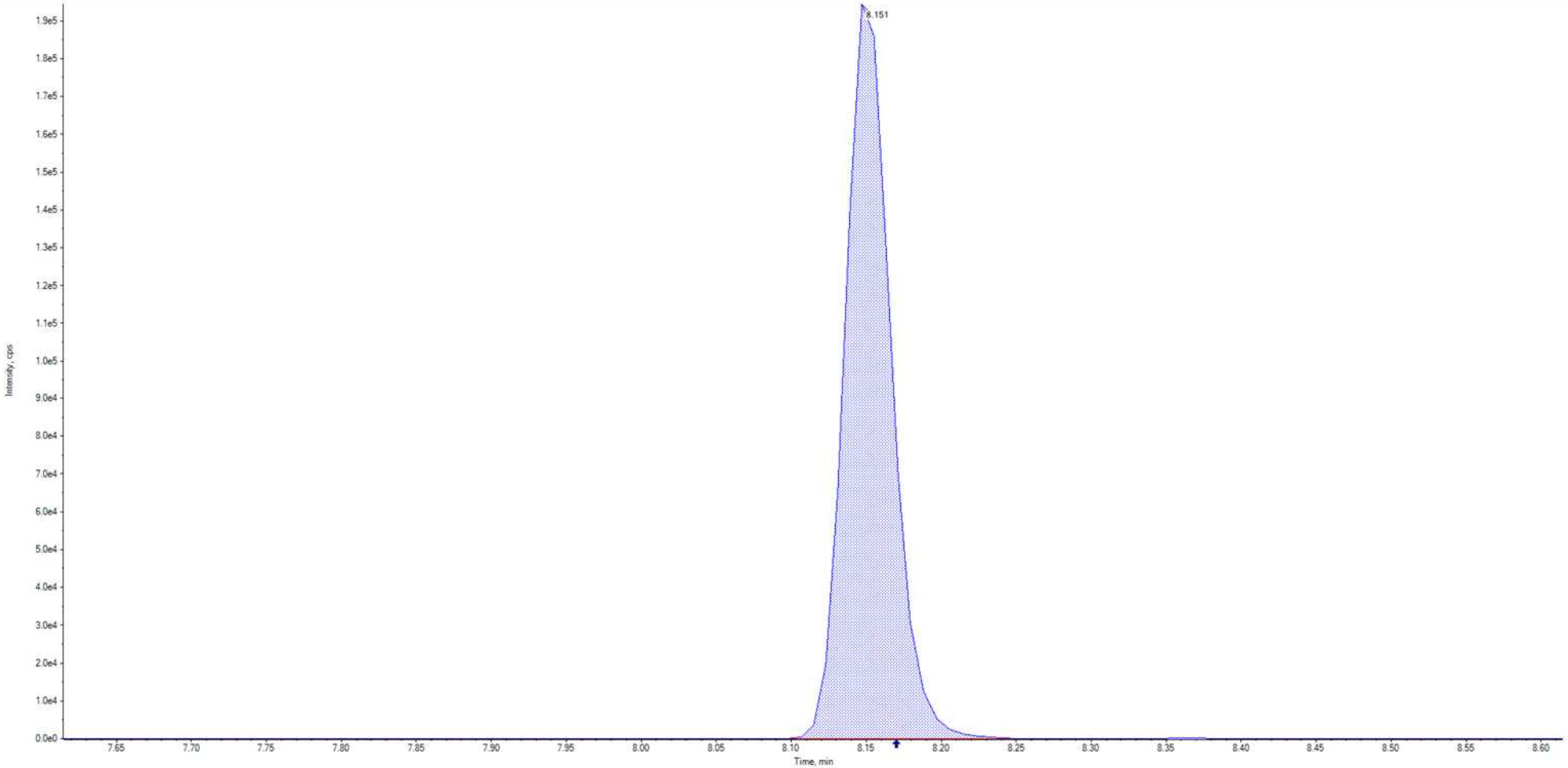

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Generated: 9/17/2024 6:15:27 AM

13C7-PFUnA
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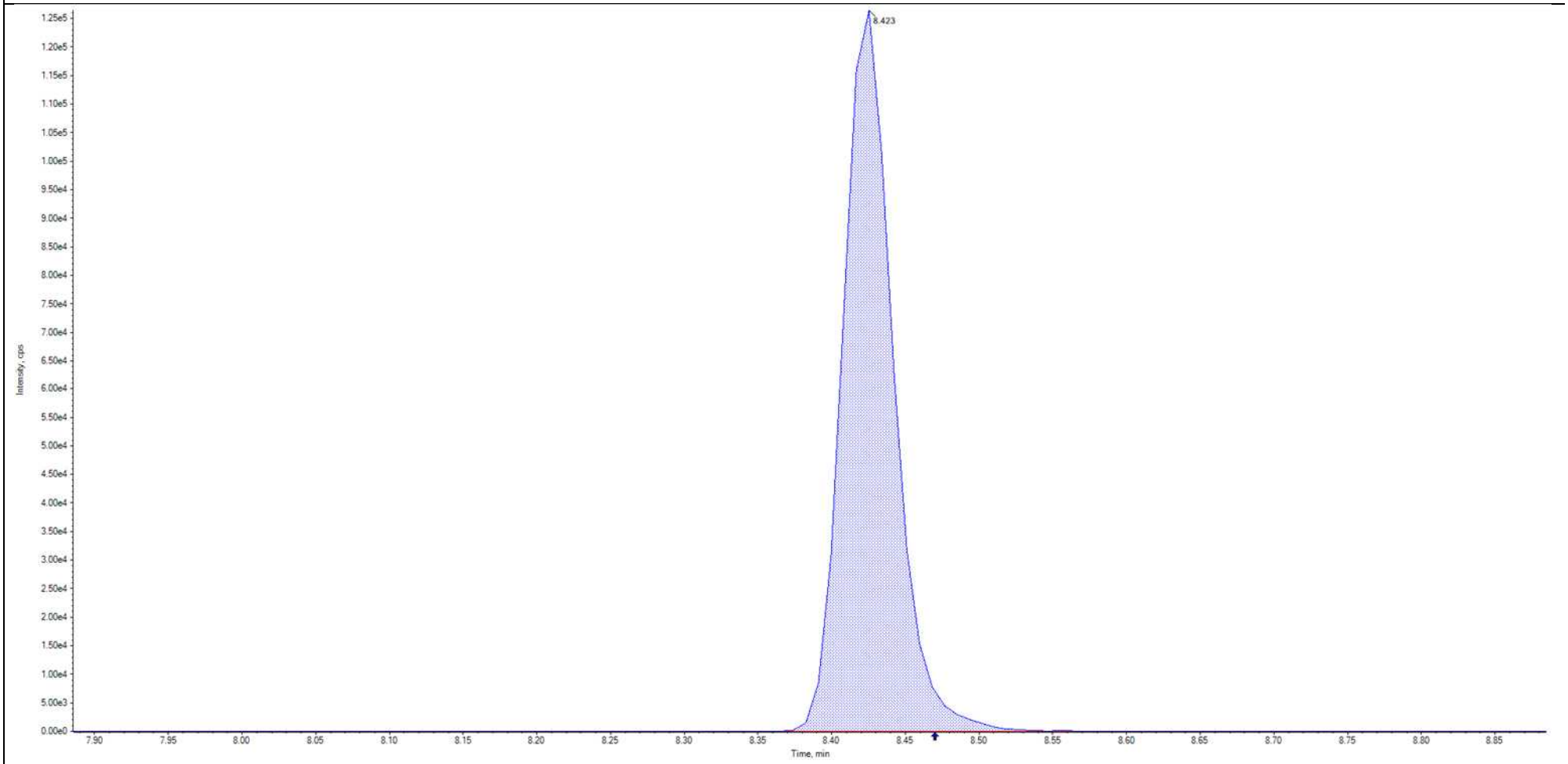

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Generated: 9/17/2024 6:15:27 AM

13C2-PFDoA
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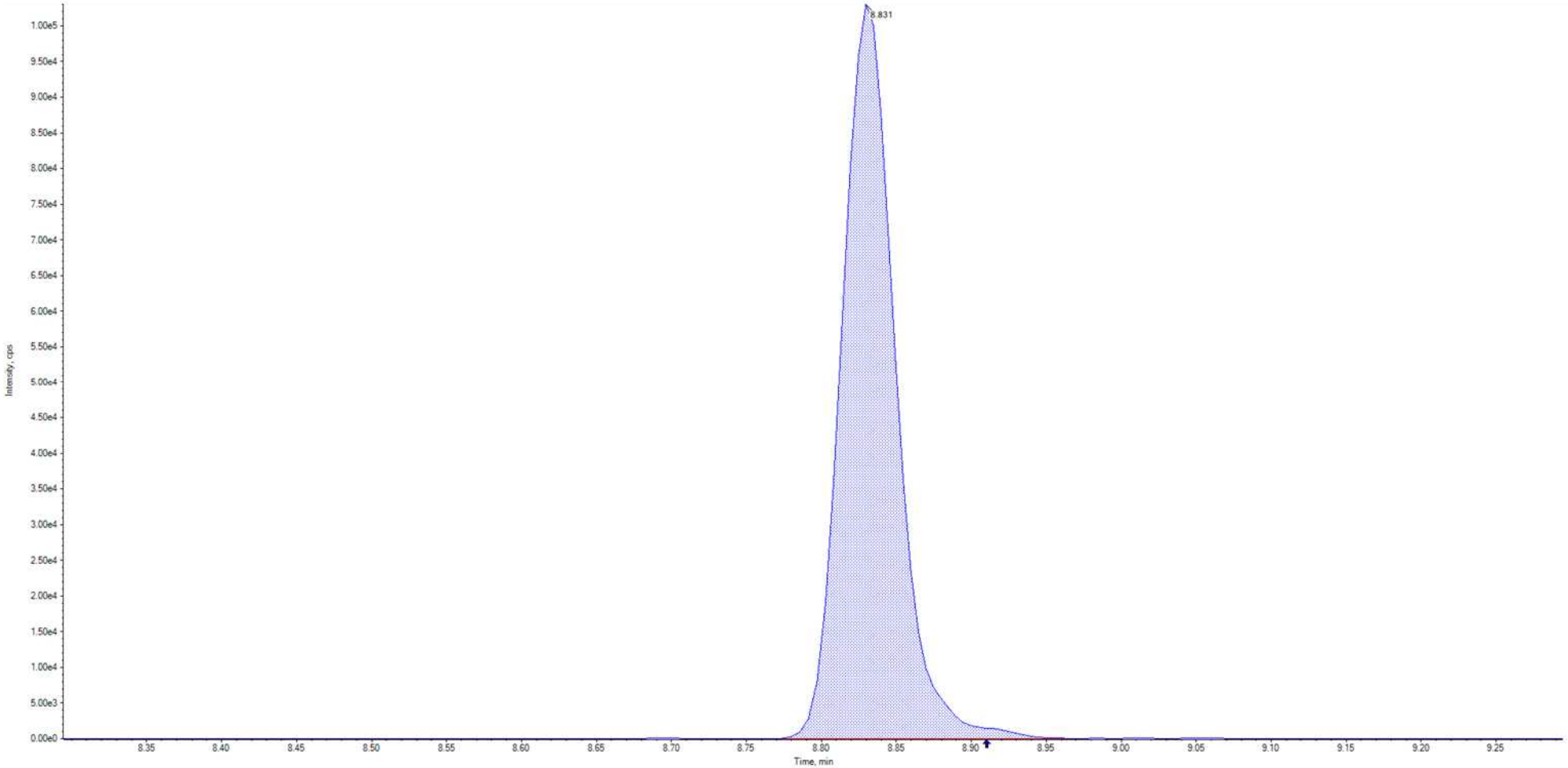
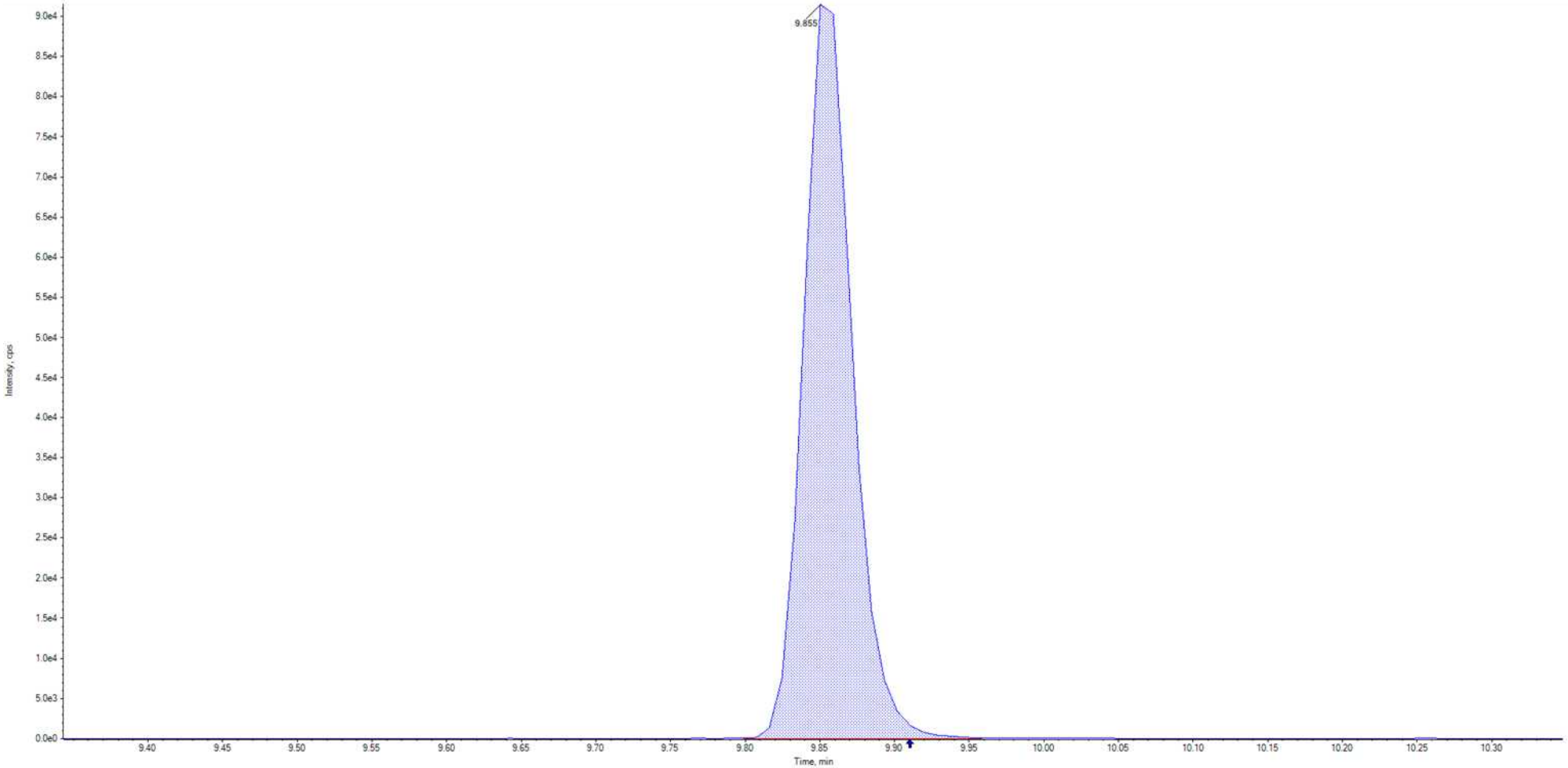
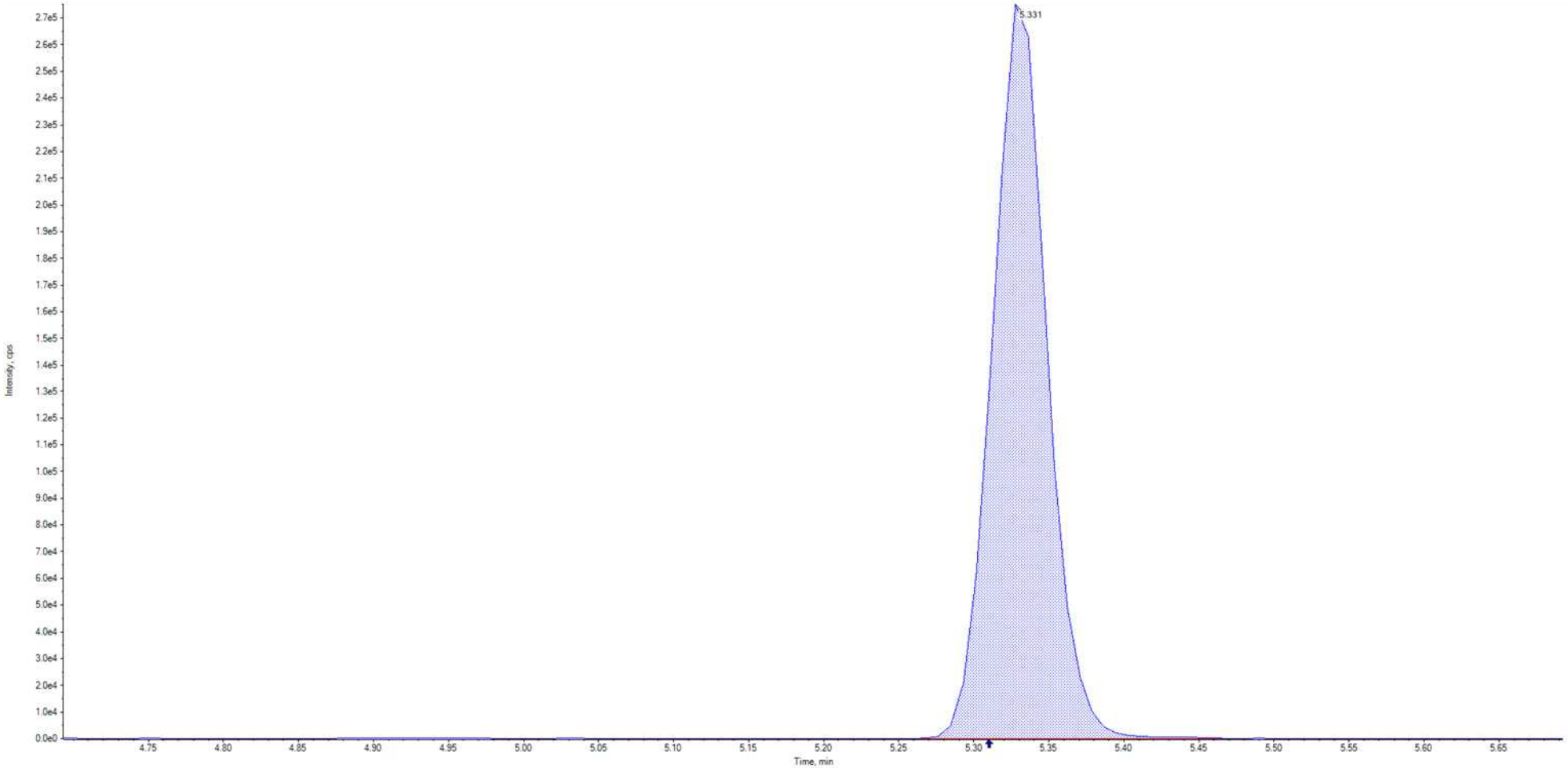


13C2-PFTeDA
Sample: L2447503-09



13C3-PFBS
Sample: L2447503-09



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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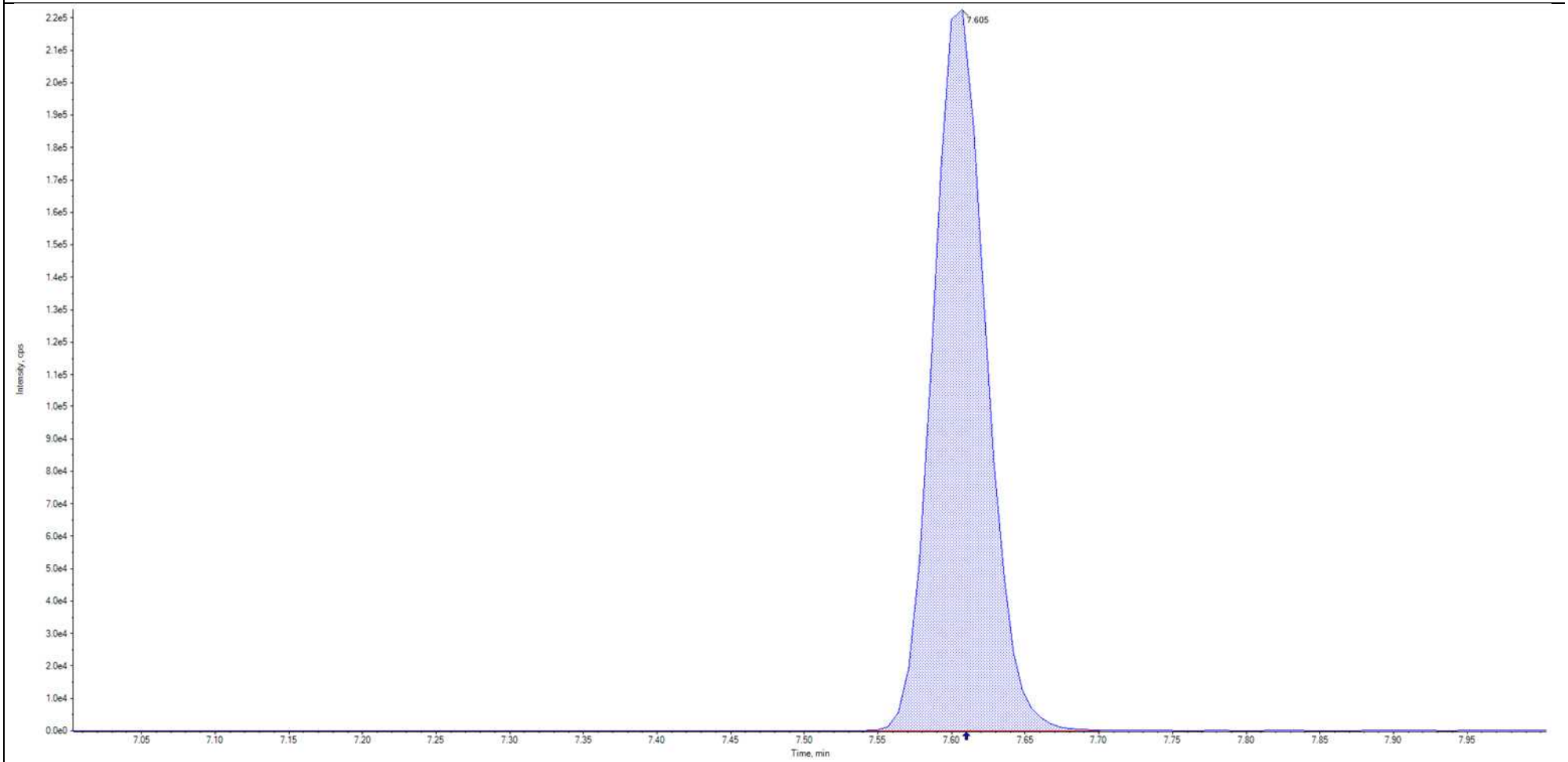
13C3-PFHxS
Sample: L2447503-09



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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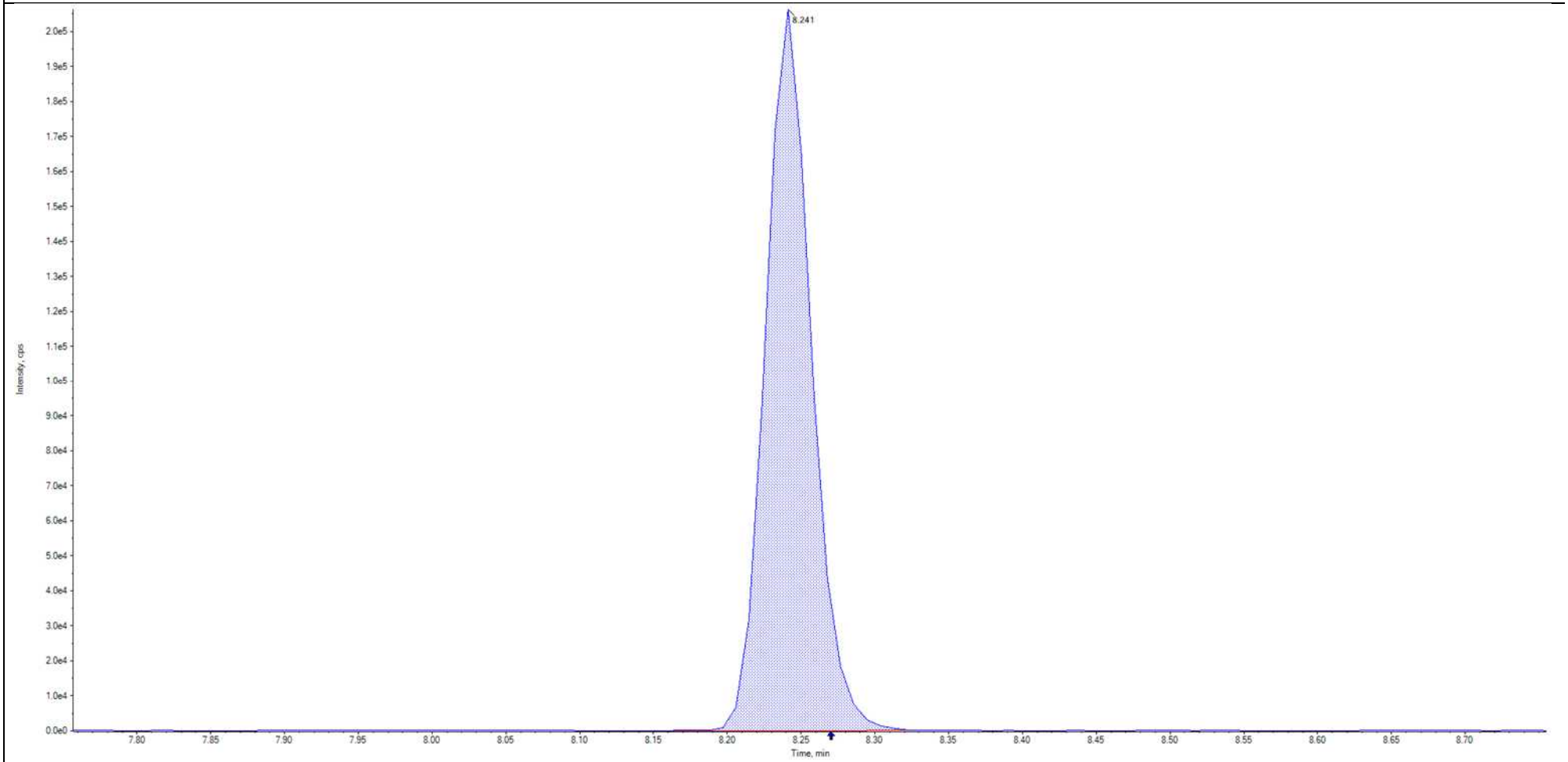
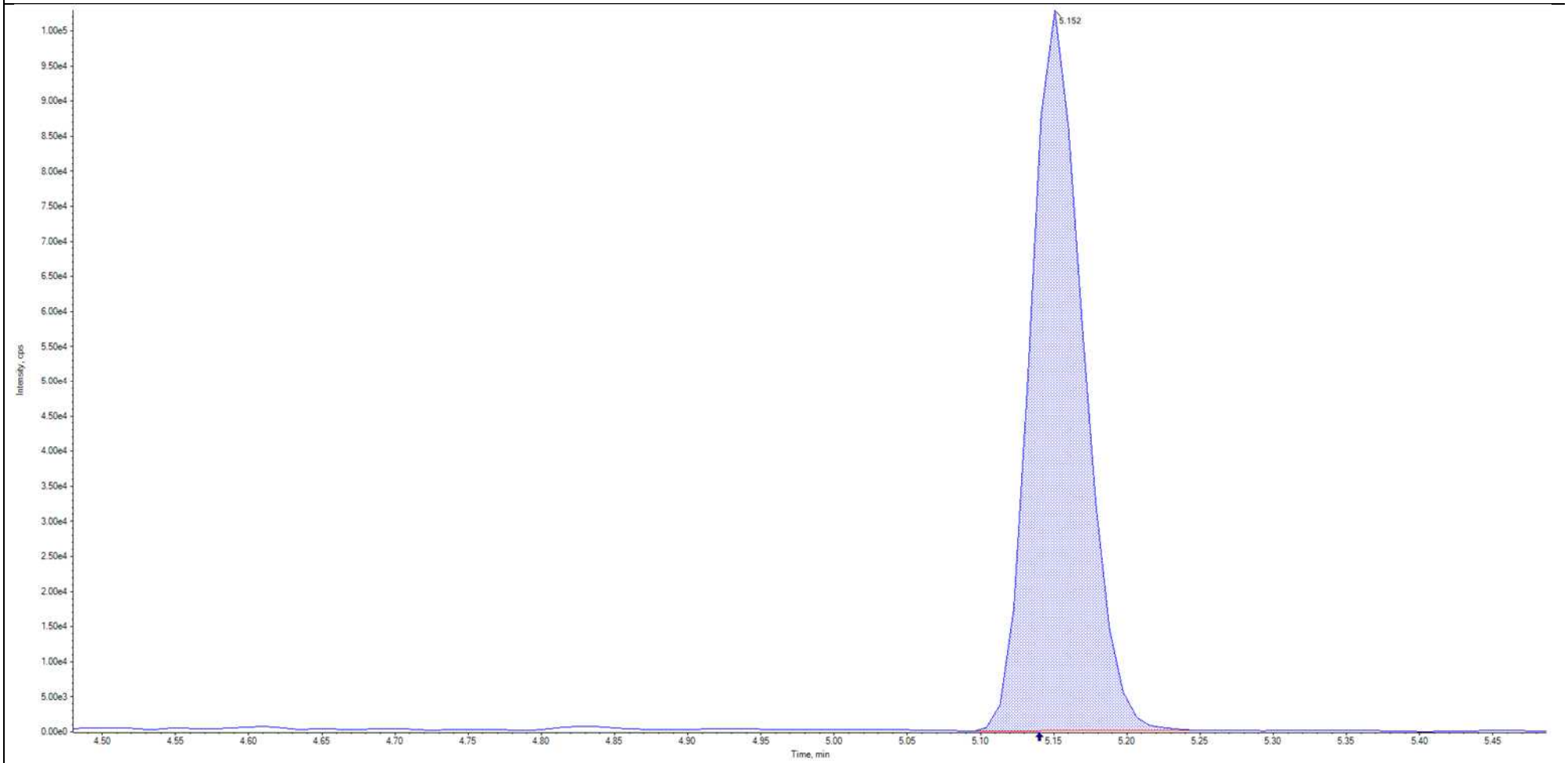
Generated: 9/17/2024 6:15:27 AM

13C8-PFOS
Sample: L2447503-09



13C2-4:2FTS
Sample: L2447503-09



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Generated: 9/17/2024 6:15:27 AM

13C2-6:2FTS
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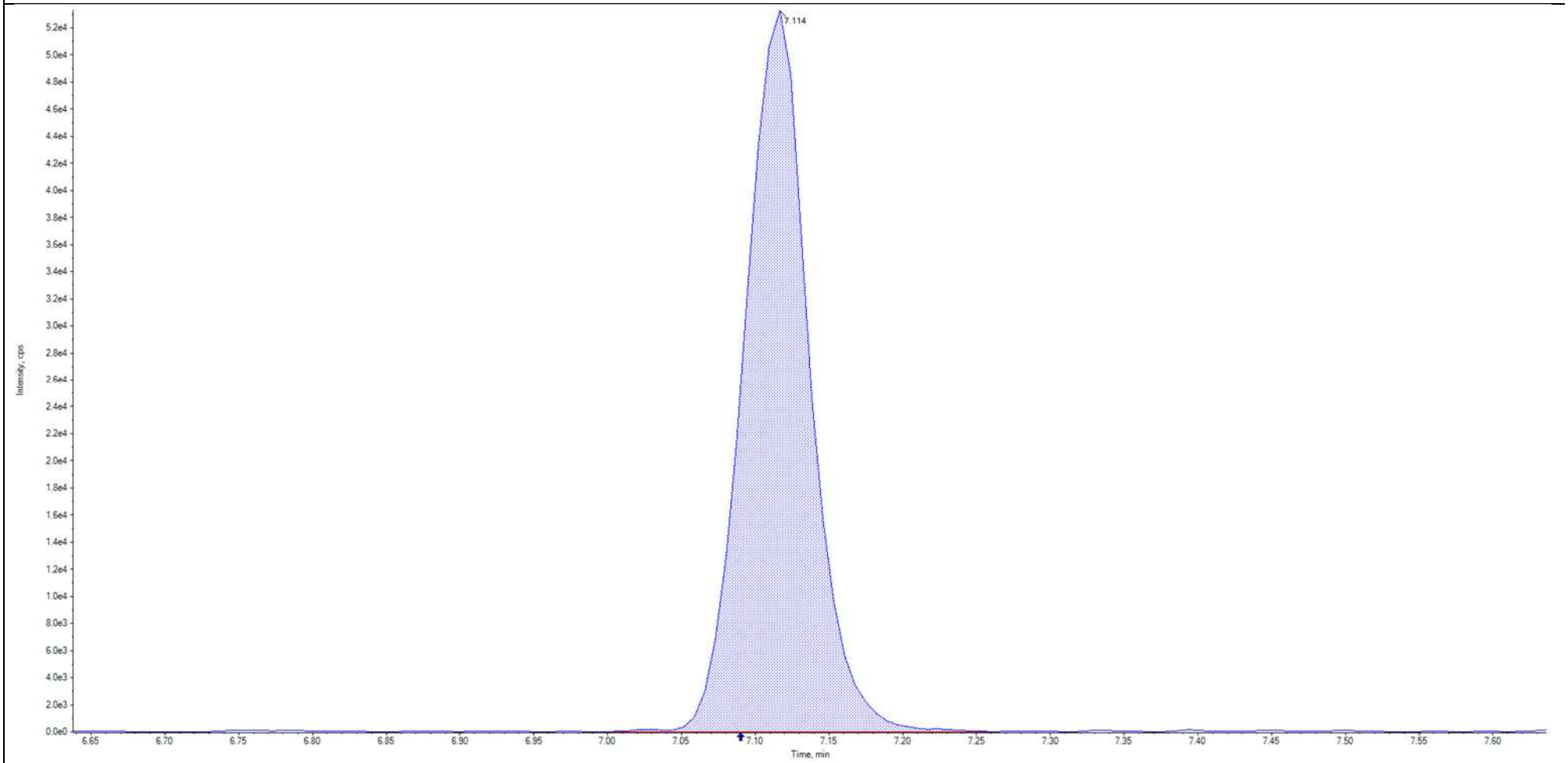
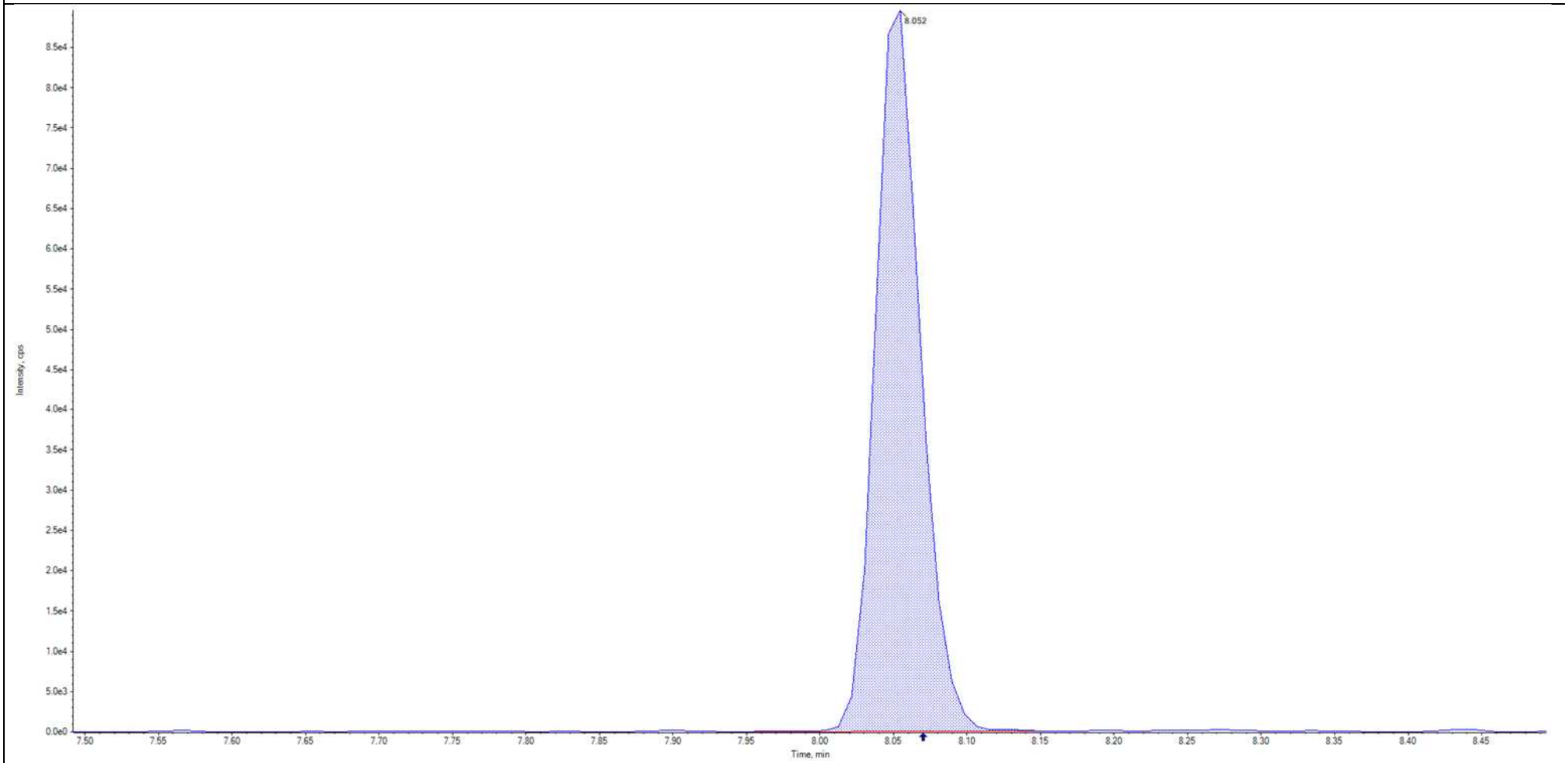
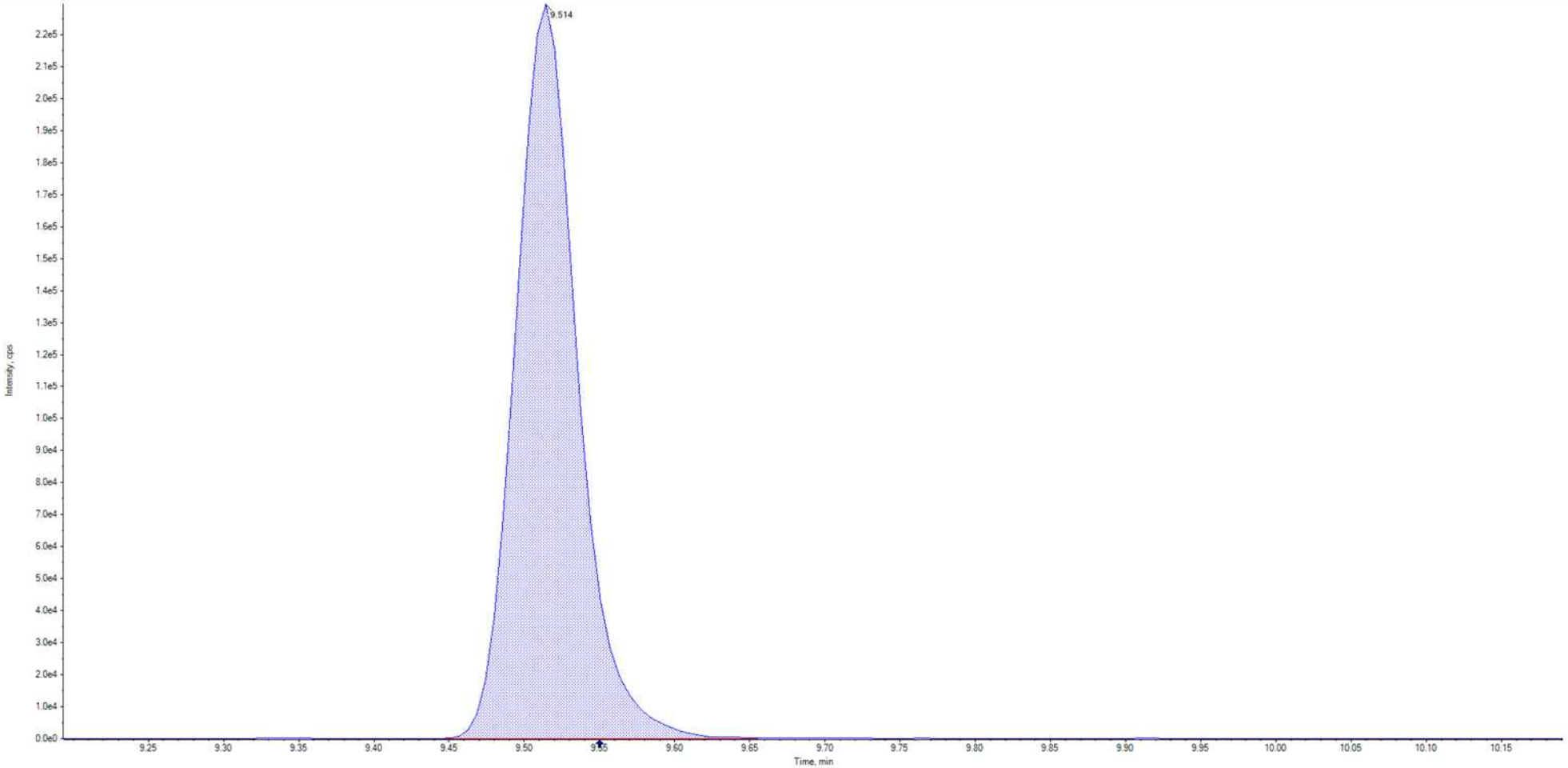


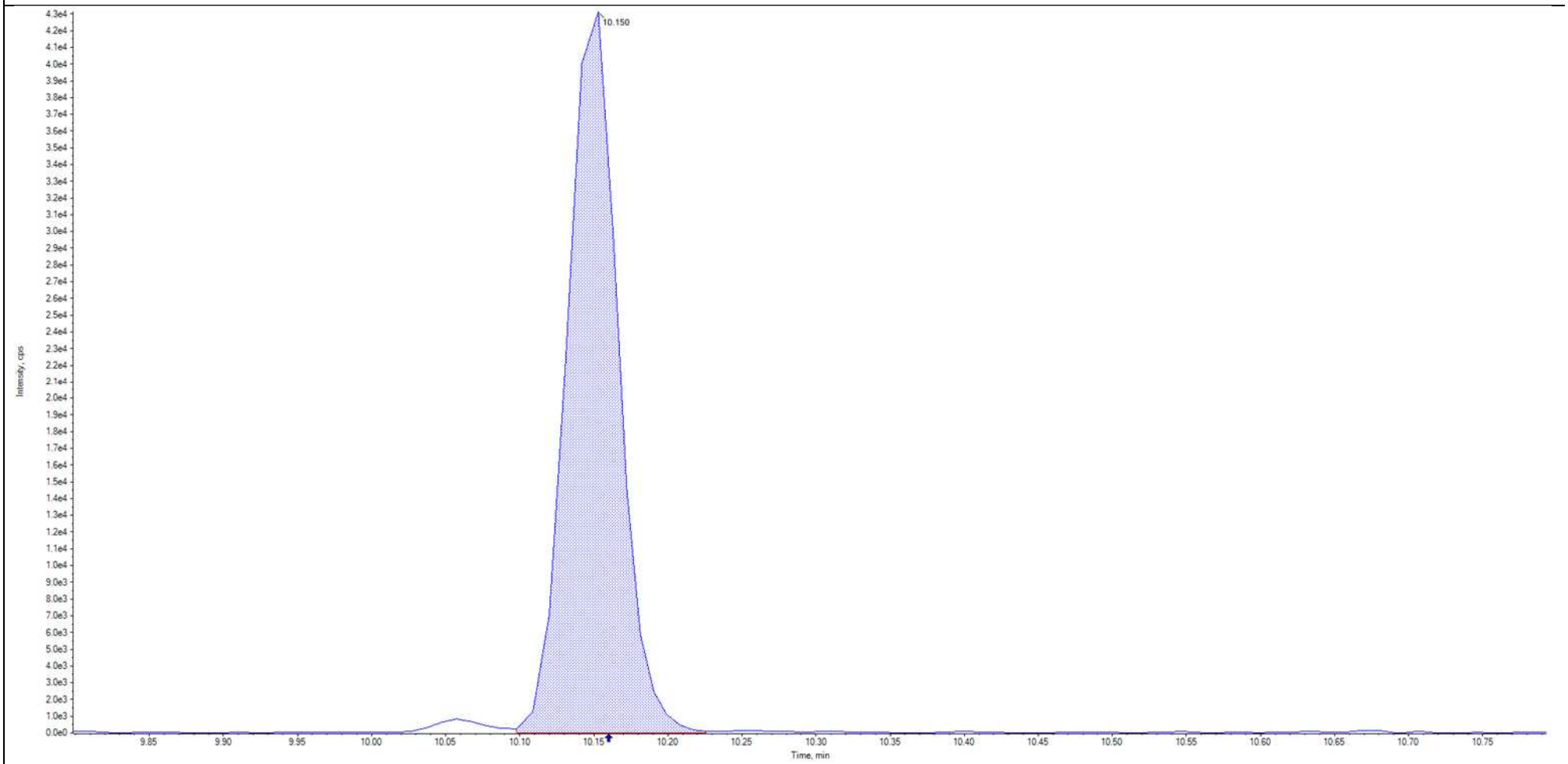
13C2-8:2FTS
Sample: L2447503-09



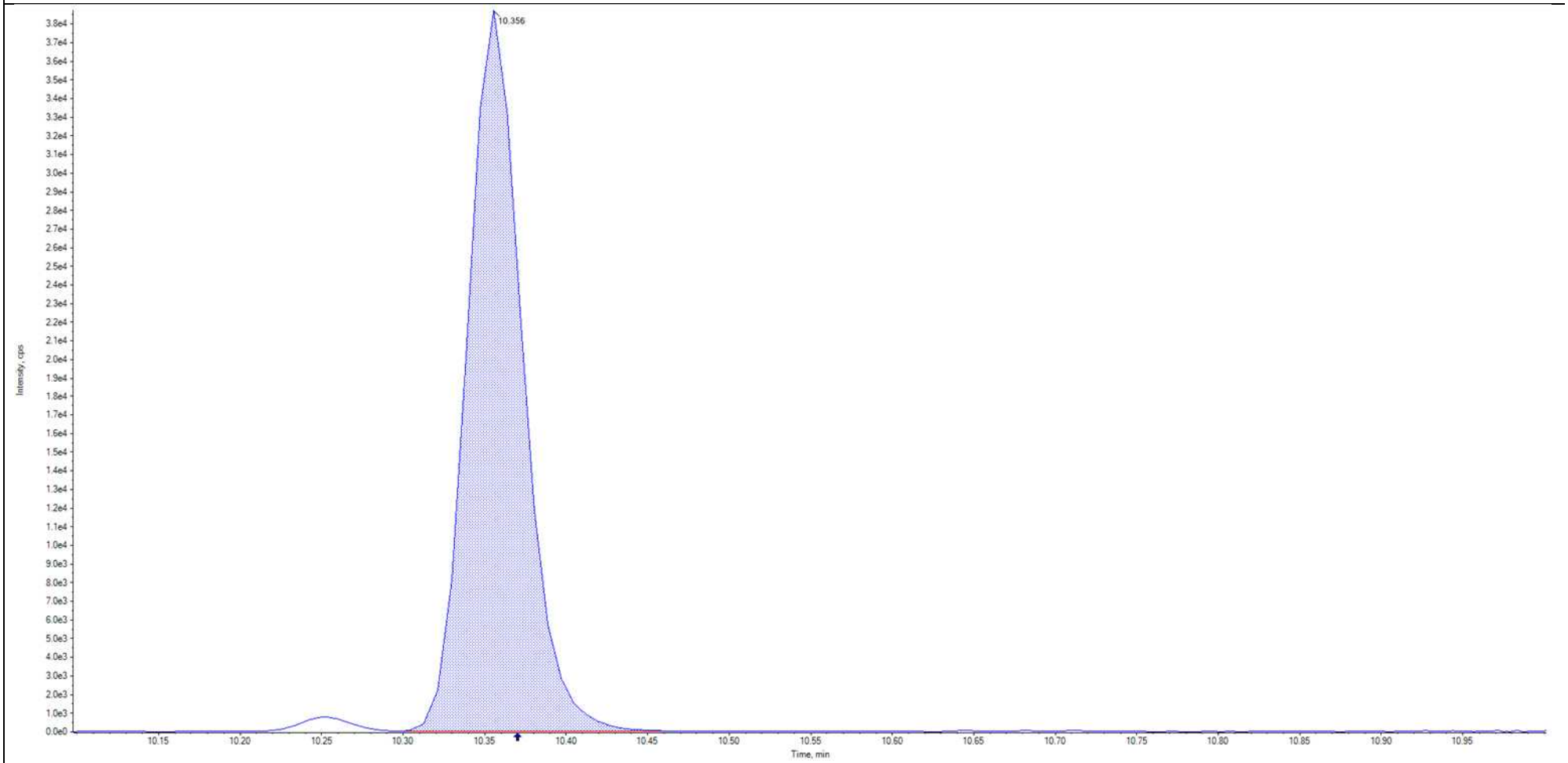
13C8-PFOSA
Sample: L2447503-09



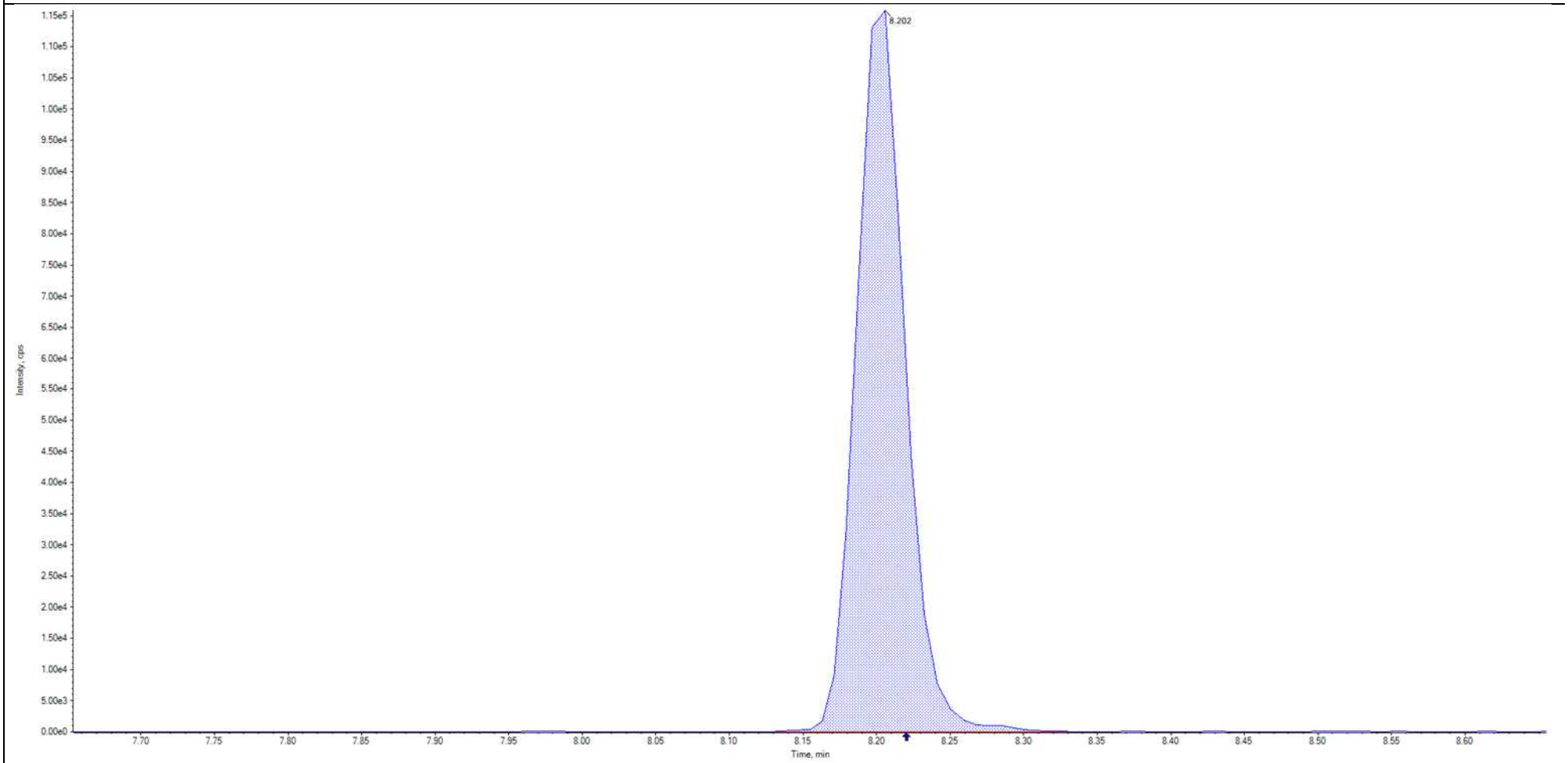
d3-NMeFOSA
Sample: L2447503-09



d5-NEtFOSA
Sample: L2447503-09



d3-NMeFOSAA
Sample: L2447503-09



d5-NEtFOSAA
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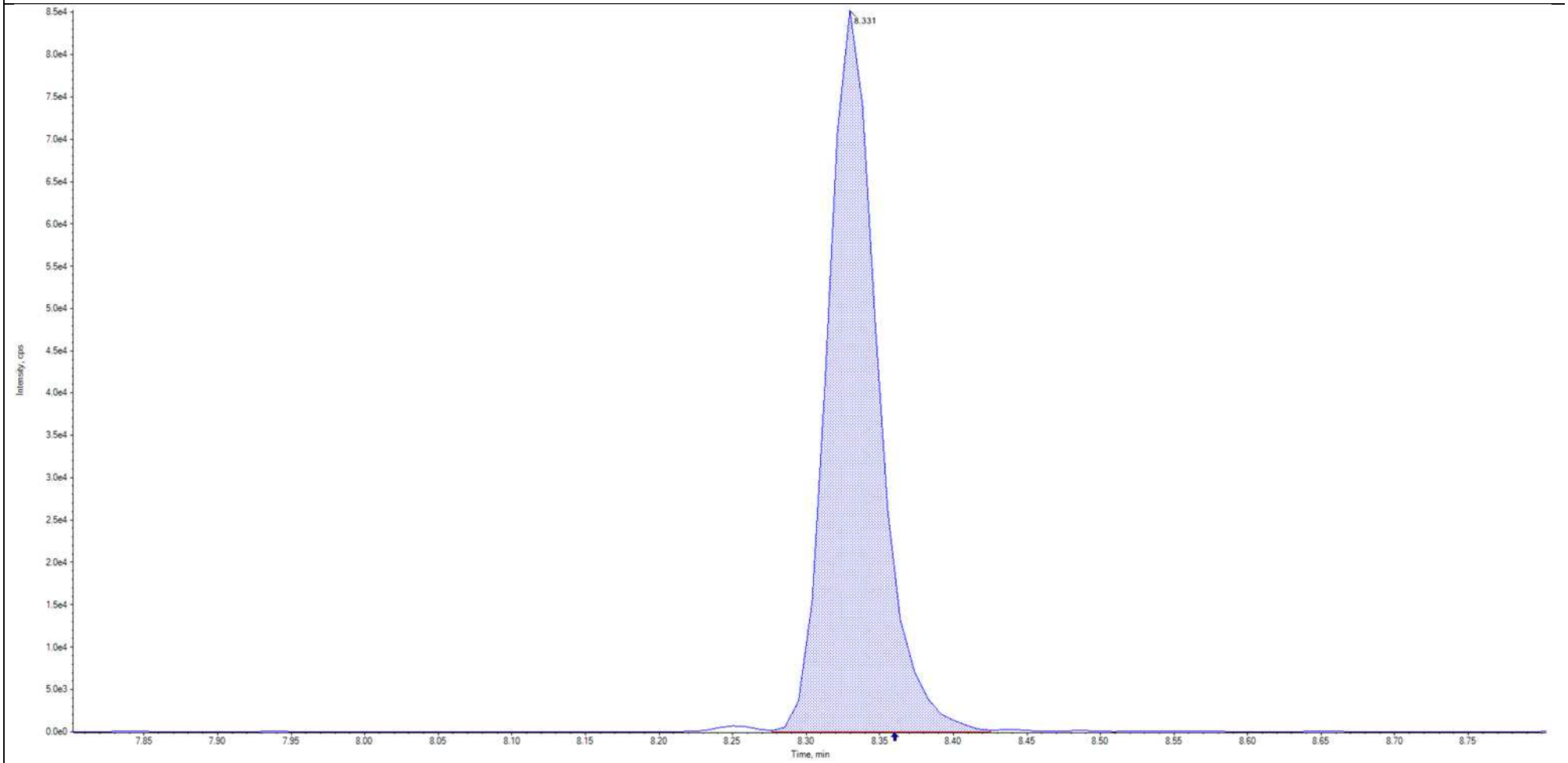
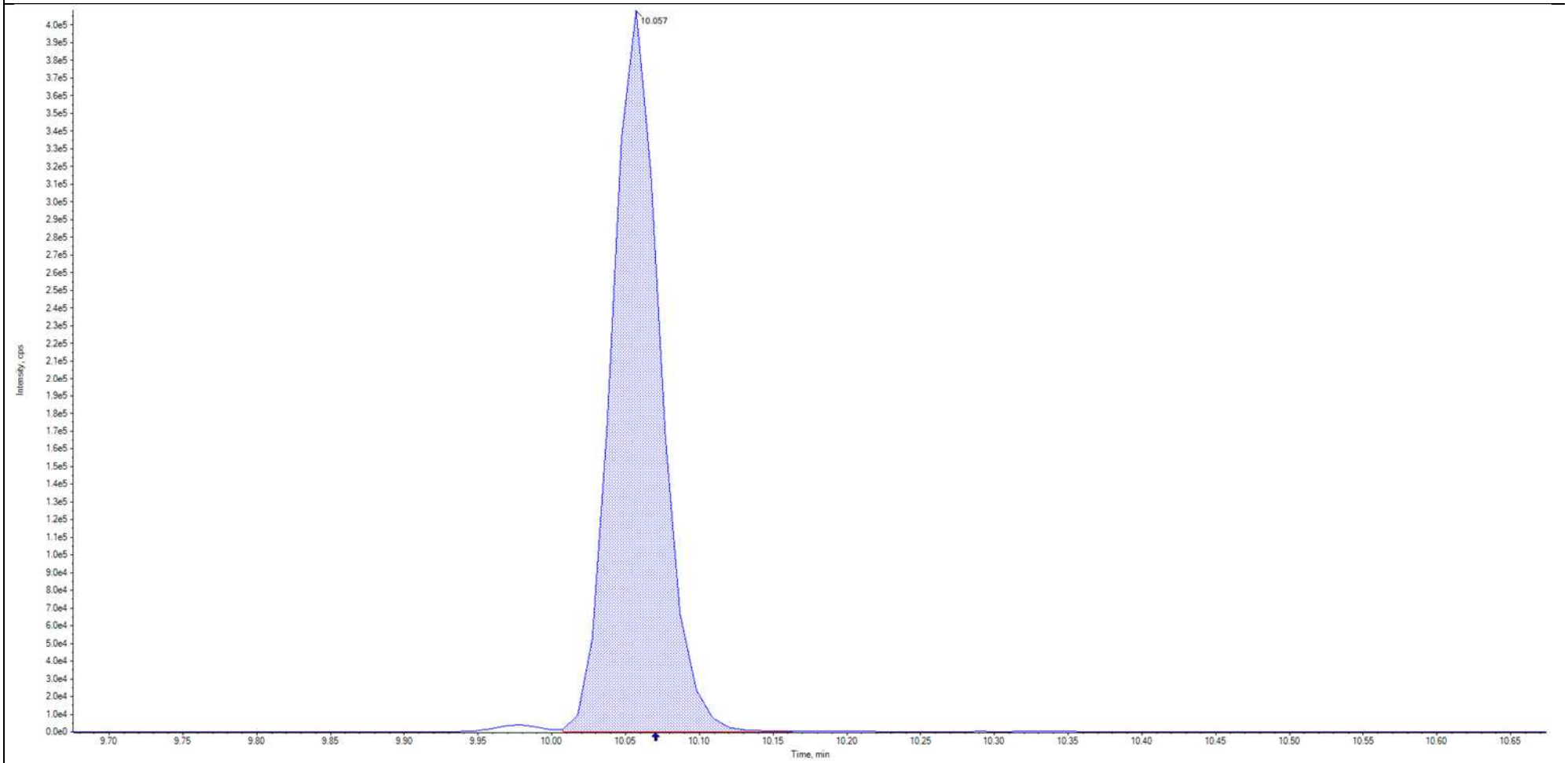
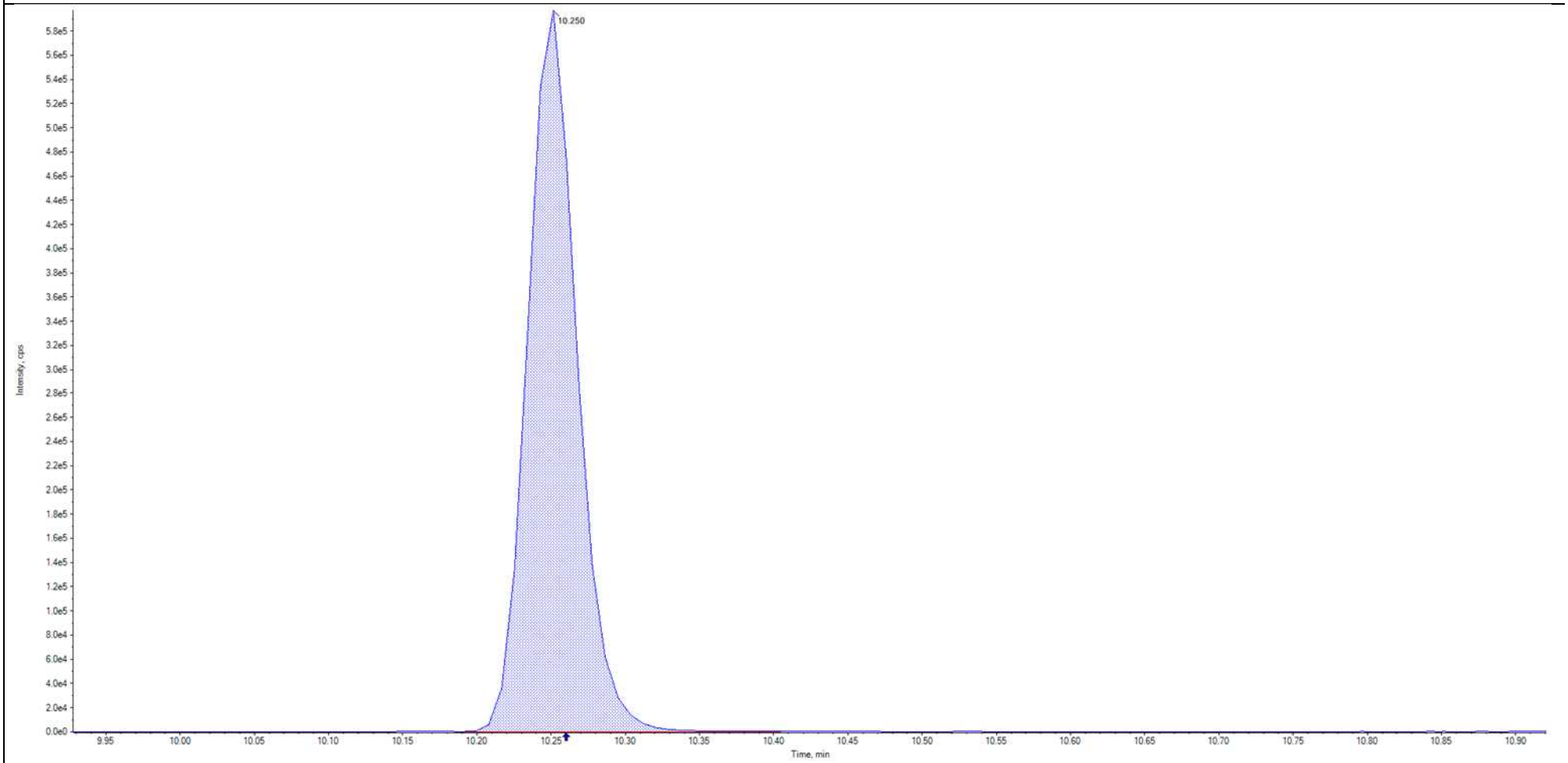


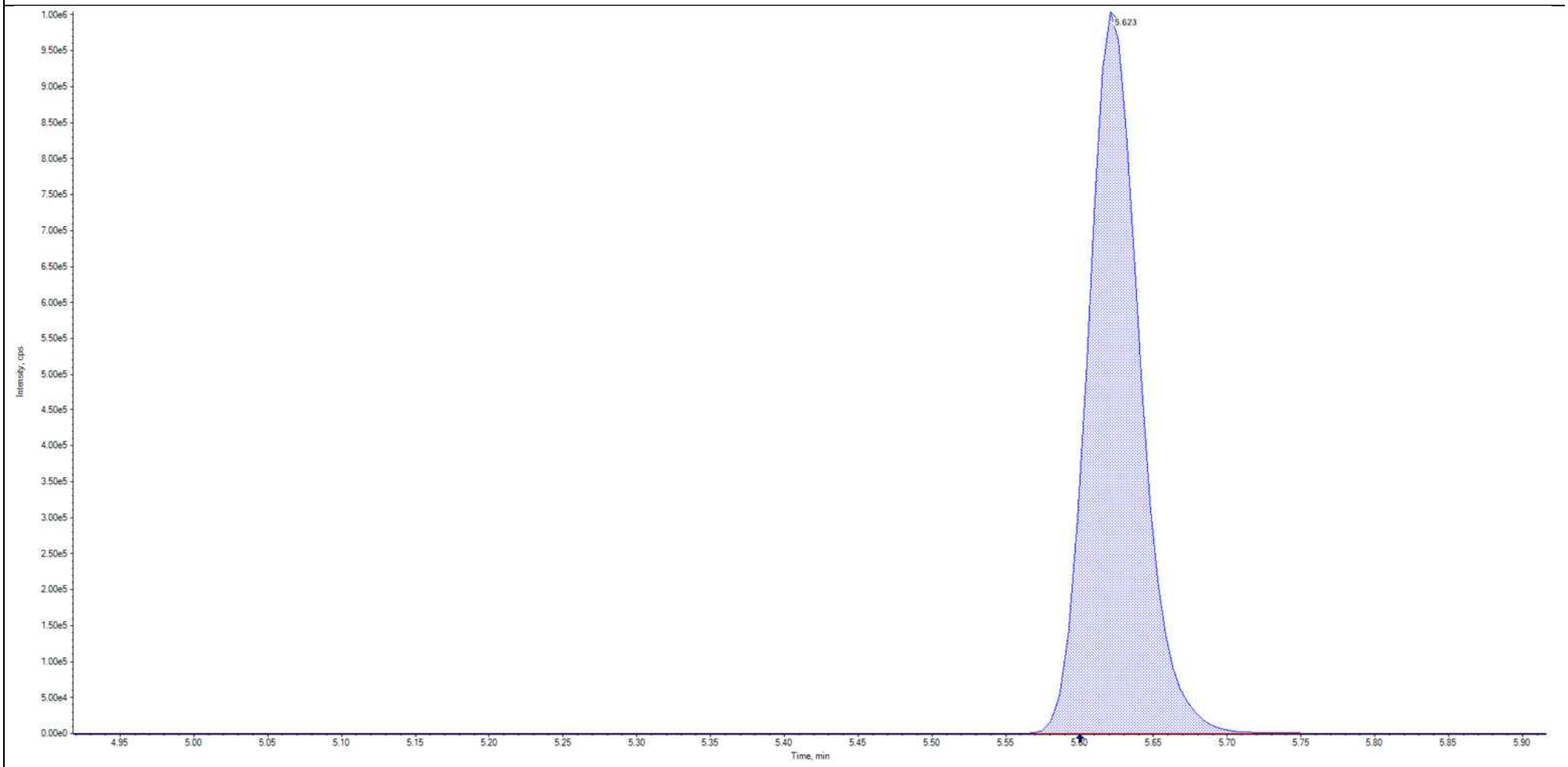
d7-NMeFOSE
Sample: L2447503-09



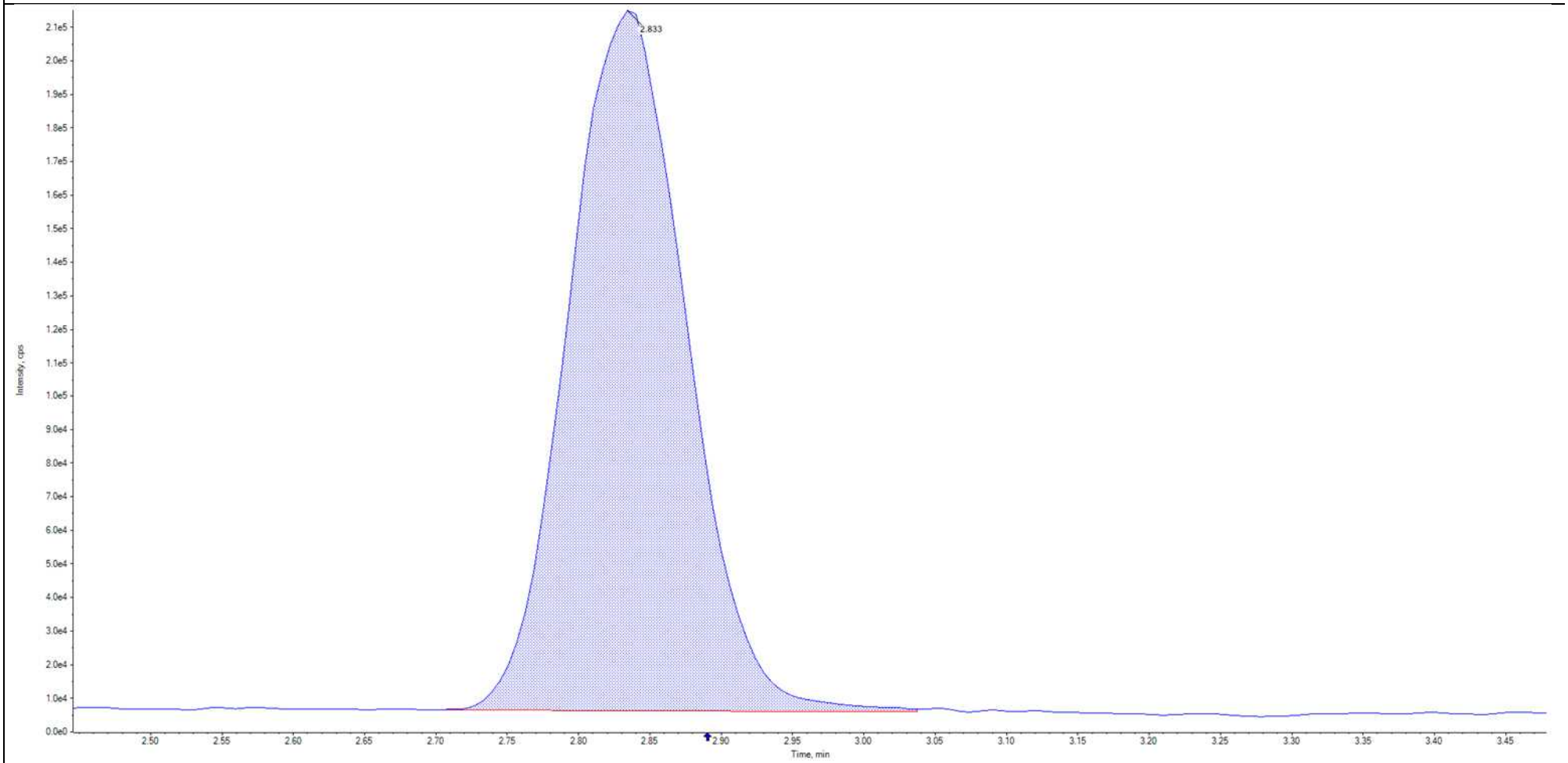
d9-NEtFOSE
Sample: L2447503-09



13C3-HFPO-DA
Sample: L2447503-09



13C3-PFBA
Sample: L2447503-09



13C2-PFHxA
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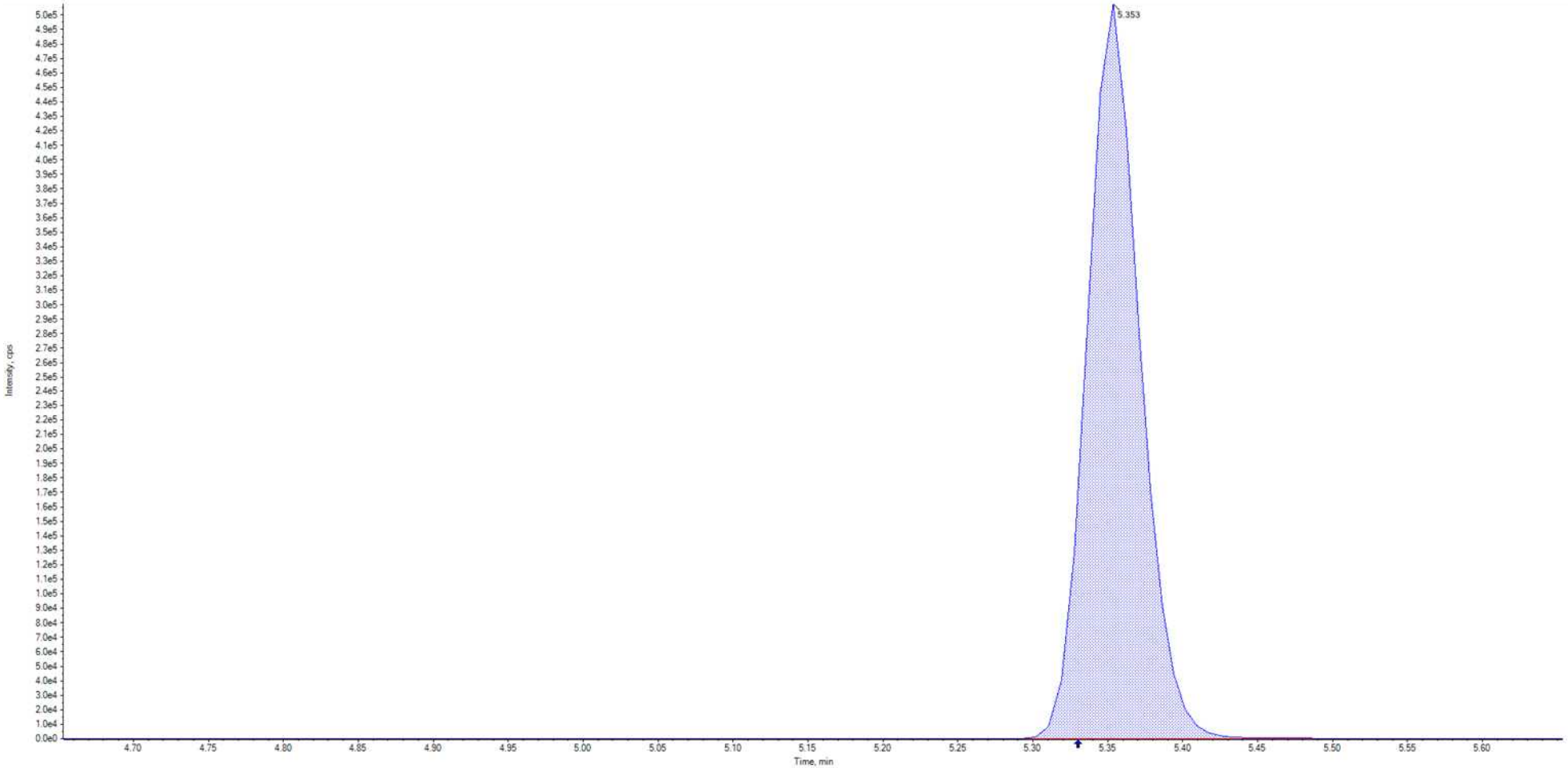

13C4-PFOA
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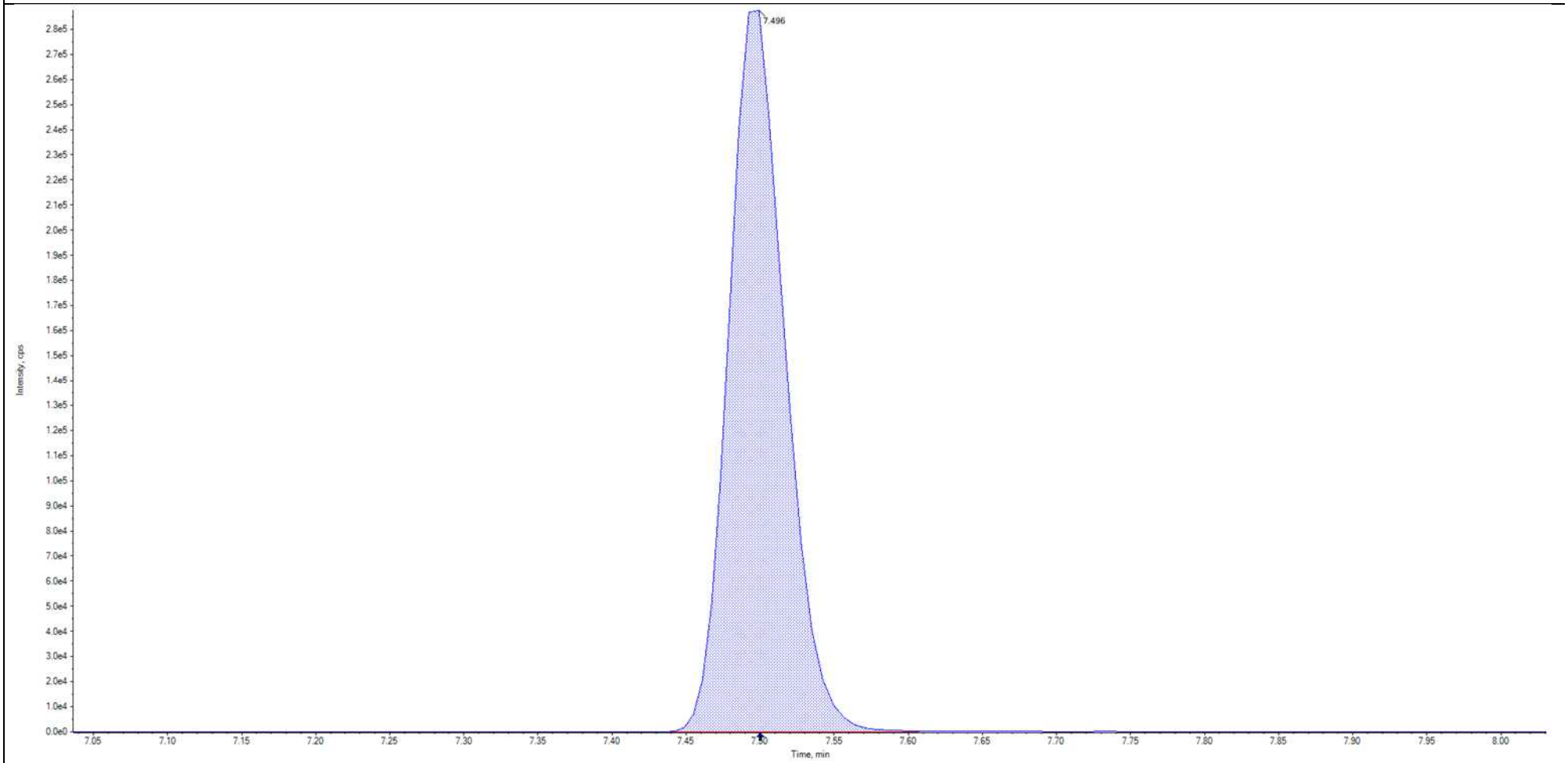

13C5-PFNA
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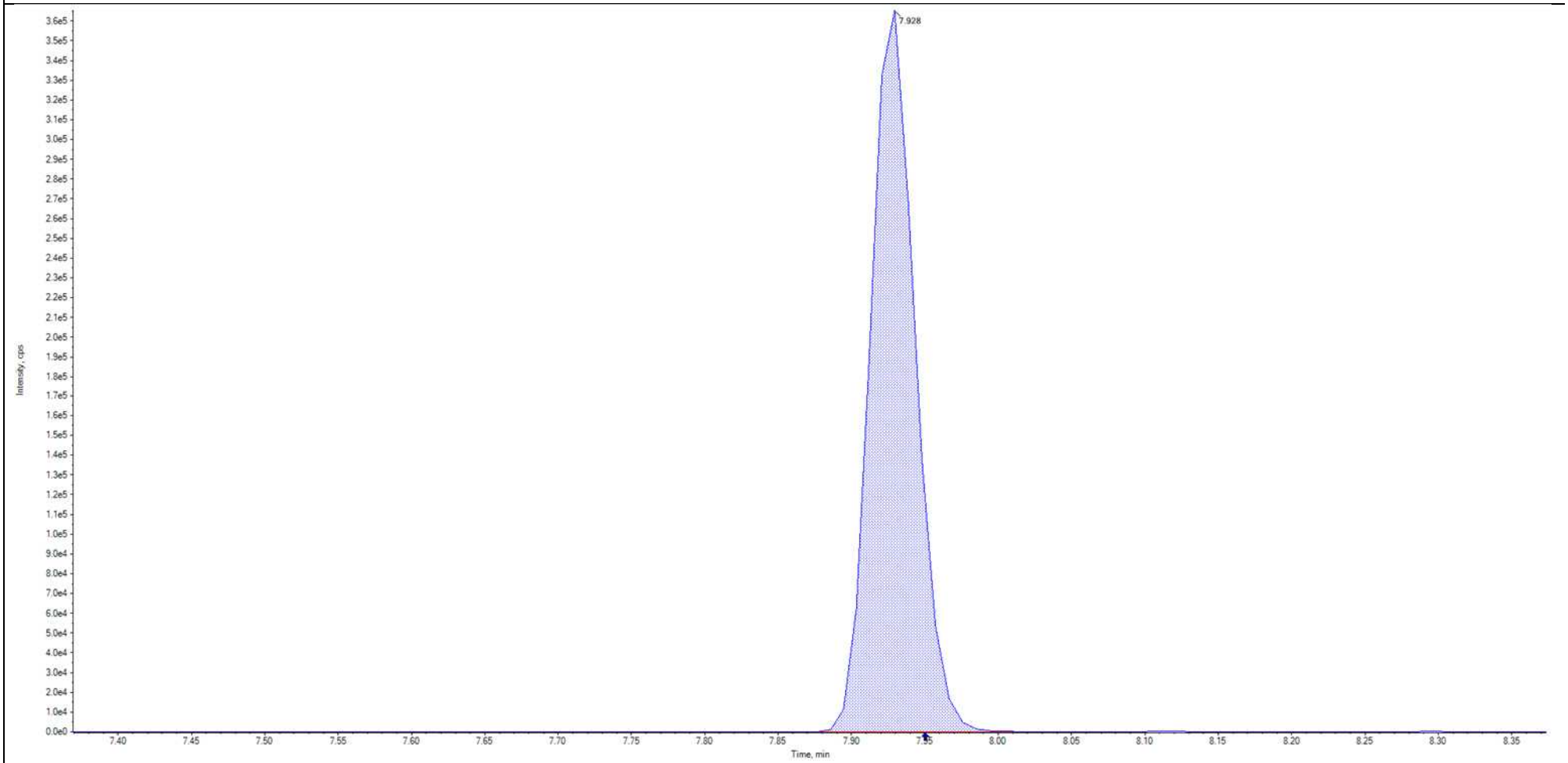

13C2-PFDA
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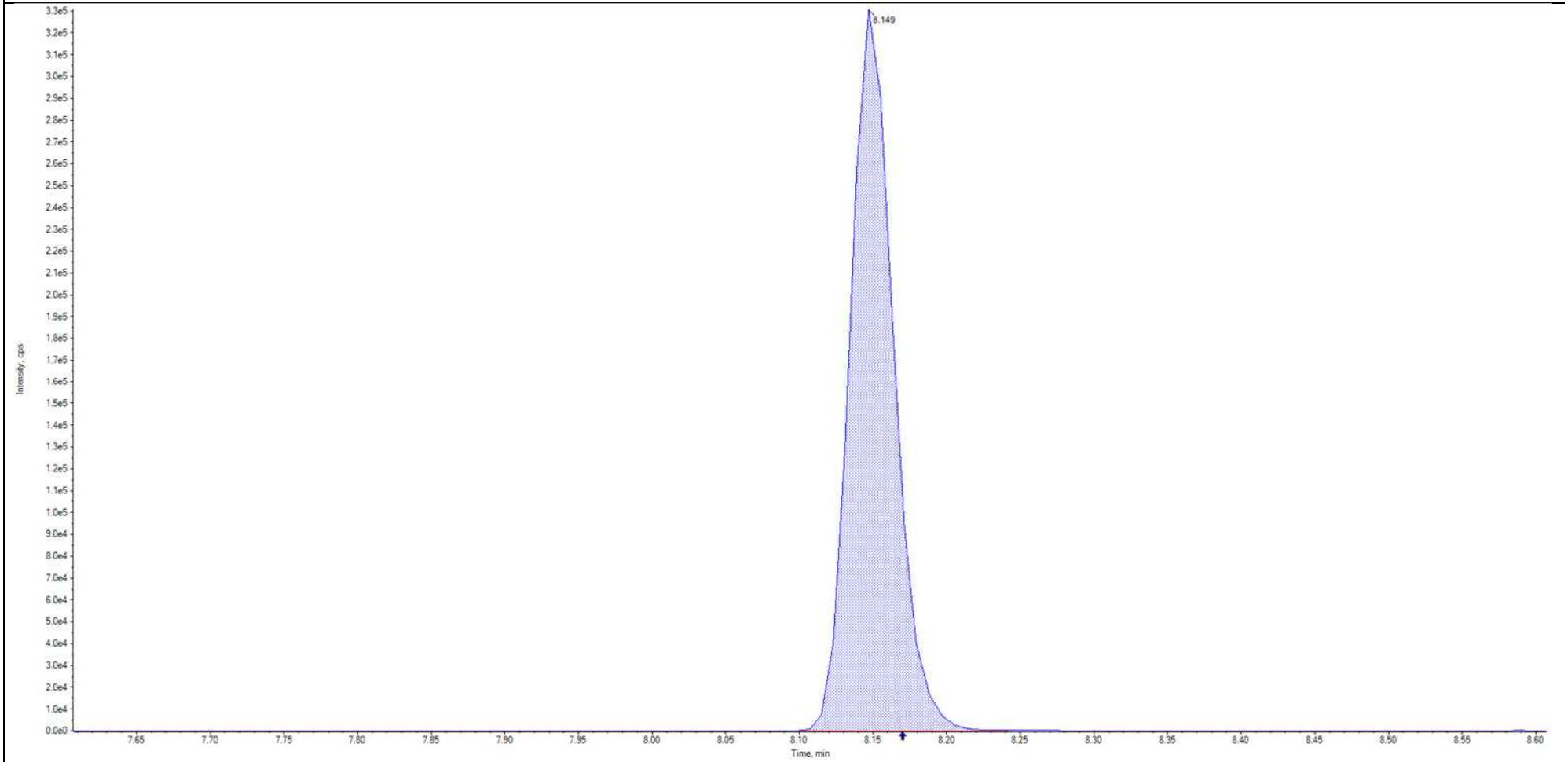

18O2-PFHxS
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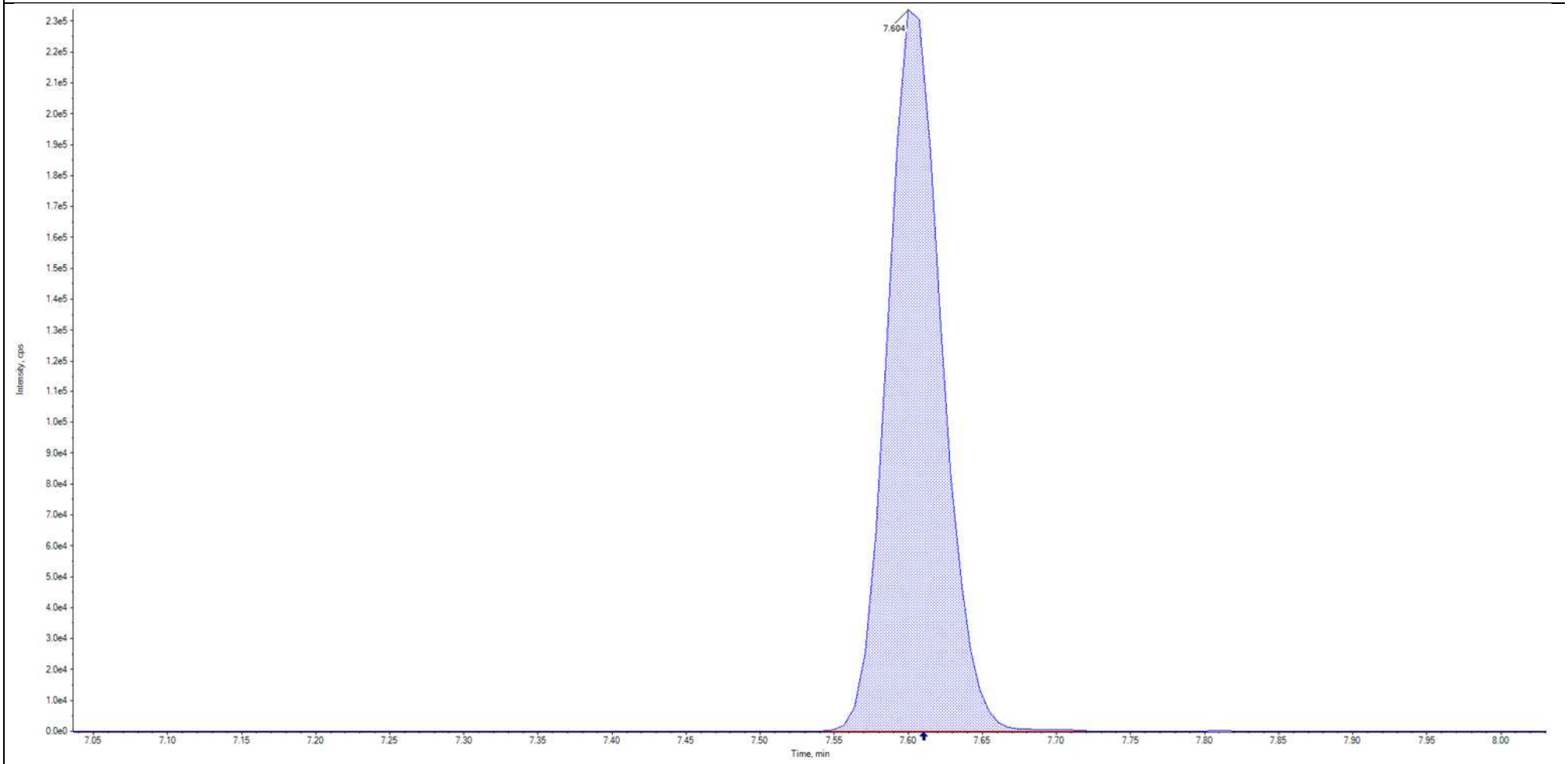

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13C4-PFOS
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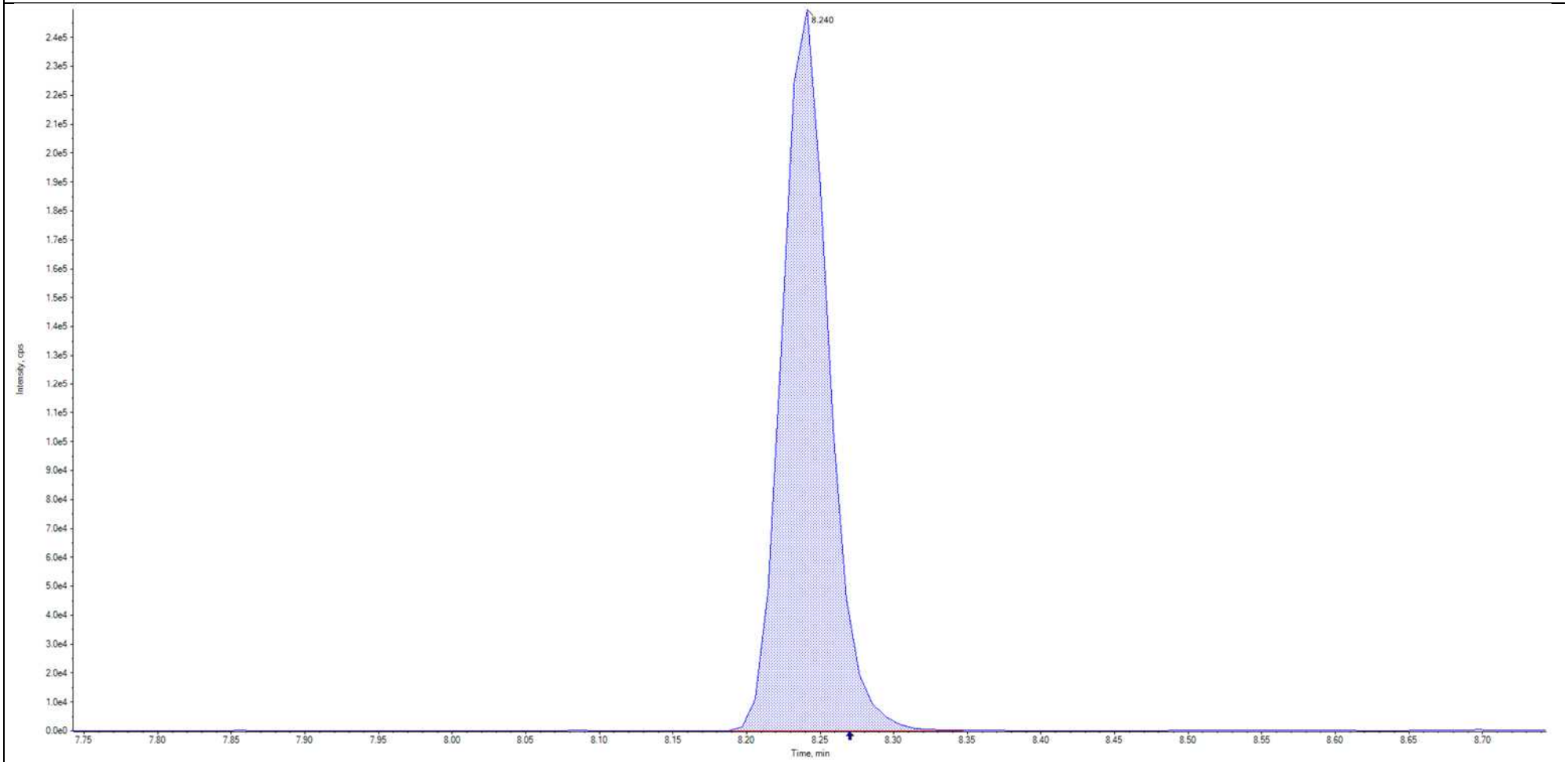

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Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

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Description: WG1972379,WG1971858,ICAL21391
Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	N/A	213.0 / 169.0	N/A		N/A	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.007	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.072	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.072	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.297	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.297	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	N/A	413.1 / 369.1	N/A		N/A	N/A	0.586	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.586	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.313	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 218.9	N/A		N/A	N/A	0.313	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.396	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	N/A	299.1 / 99.1	N/A		N/A	N/A	0.396	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.315	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.315	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.238	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.238	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.487	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	N/A	285.0 / 169.0	N/A		N/A	N/A	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.84	217.0 / 172.0	2237127	M4	8.775	NA	NA	NA	87.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C5-PFPeA	EIS	4.66	268.0 / 223.0	1530979		5.202	NA	NA	NA	104.0
	13C5-PFHxA	EIS	5.35	318.0 / 273.0	768634		1.988	NA	NA	NA	79.5
	13C4-PFHpA	EIS	6.26	367.0 / 322.0	847752		2.190	NA	NA	NA	87.6
	13C8-PFOA	EIS	7.48	421.0 / 376.0	1291153		2.360	NA	NA	NA	94.4
	13C9-PFNA	EIS	7.92	472.0 / 427.0	577401		0.989	NA	NA	NA	79.1
	13C6-PFDA	EIS	8.14	519.0 / 474.0	518052		0.940	NA	NA	NA	75.2
	13C7-PFUnA	EIS	8.42	570.0 / 525.0	418892		0.939	NA	NA	NA	75.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	337723		1.164	NA	NA	NA	93.1
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	254556		0.808	NA	NA	NA	64.6
	13C3-PFBS	EIS	5.32	302.1 / 80.1	673570		1.917	NA	NA	NA	82.3
	13C3-PFHxS	EIS	7.59	402.1 / 80.1	532320		1.908	NA	NA	NA	80.5
	13C8-PFOS	EIS	8.23	507.1 / 80.1	515956		1.708	NA	NA	NA	71.3
	13C2-4:2FTS	EIS	5.15	329.1 / 81.1	257224		4.102	NA	NA	NA	87.5
	13C2-6:2FTS	EIS	7.10	429.2 / 81.1	155873		3.392	NA	NA	NA	71.3
	13C2-8:2FTS	EIS	8.04	529.2 / 81.1	254367		3.782	NA	NA	NA	78.8

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.51	506.1 / 78.1	768656		1.914	NA	NA	NA	76.6
	d3-NMeFOSA	EIS	10.15	515.2 / 219.0	101198		1.497	NA	NA	NA	59.9
	d5-NEtFOSA	EIS	10.35	531.2 / 219.0	91633		1.388	NA	NA	NA	55.5
	d3-NMeFOSAA	EIS	8.20	573.2 / 419.1	293888		1.923	NA	NA	NA	38.5
	d5-NEtFOSAA	EIS	8.33	589.3 / 419.1	252470		3.144	NA	NA	NA	62.9
	d7-NMeFOSE	EIS	10.05	623.2 / 58.9	1047124		20.059	NA	NA	NA	80.2
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1620413		21.054	NA	NA	NA	84.2

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.61	287.0 / 169.0	2338807		9.128	NA	NA	NA	91.3
	13C3-PFBA	NIS	2.84	216.0 / 172.0	1115220		5.216	NA	NA	NA	104.3
	13C2-PFHxA	NIS	5.35	315.0 / 270.0	1147930		2.345	NA	NA	NA	93.8
	13C4-PFOA	NIS	7.48	417.0 / 372.0	715774		2.286	NA	NA	NA	91.5
	13C5-PFNA	NIS	7.92	468.0 / 423.0	711538		1.299	NA	NA	NA	103.9
	13C2-PFDA	NIS	8.14	515.1 / 470.1	647647		1.264	NA	NA	NA	101.1
	18O2-PFHxS	NIS	7.59	403.1 / 84.1	567193		2.421	NA	NA	NA	102.2
	13C4-PFOS	NIS	8.23	503.1 / 80.1	534291		2.538	NA	NA	NA	106.0

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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

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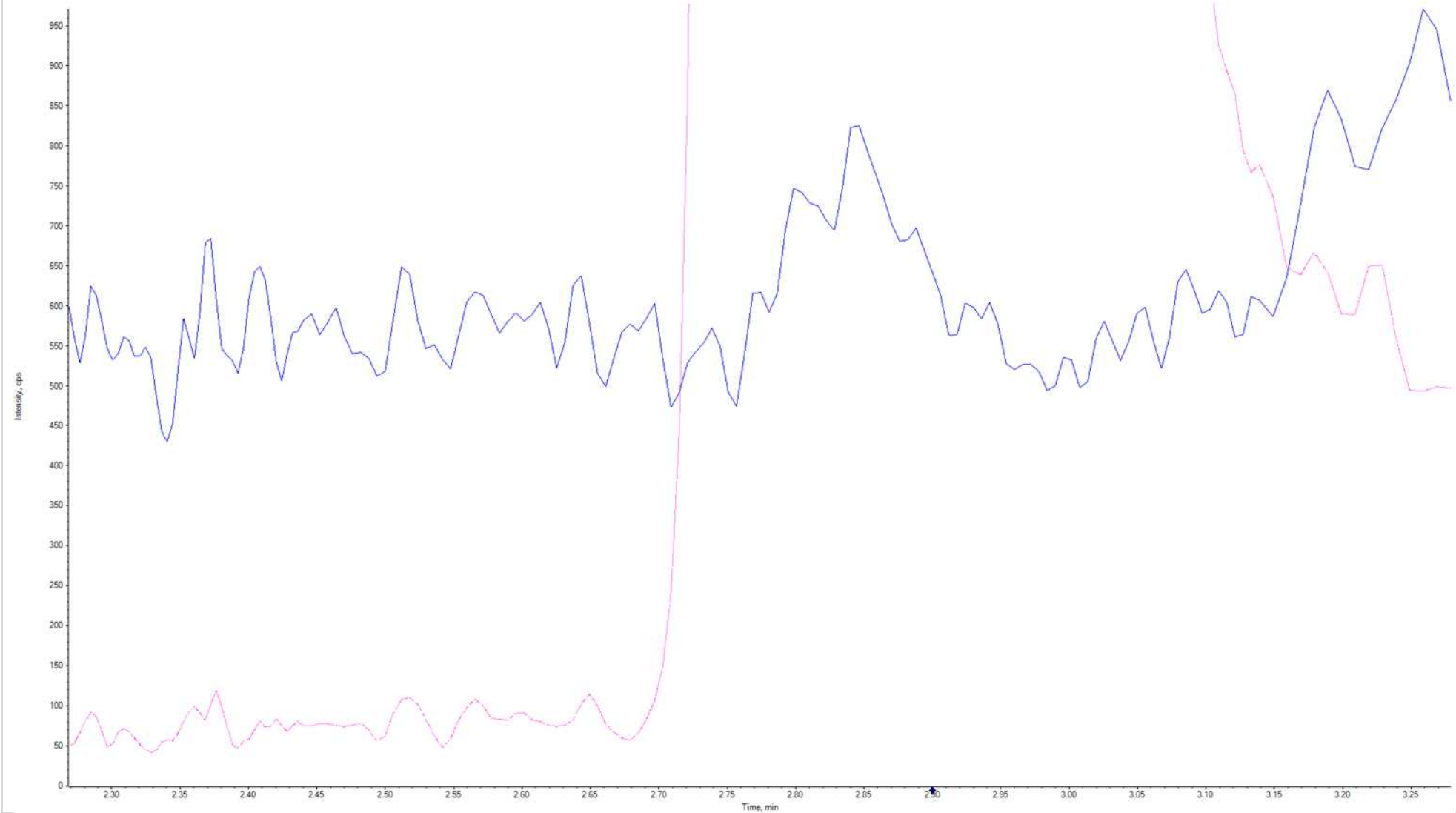
PFBA
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



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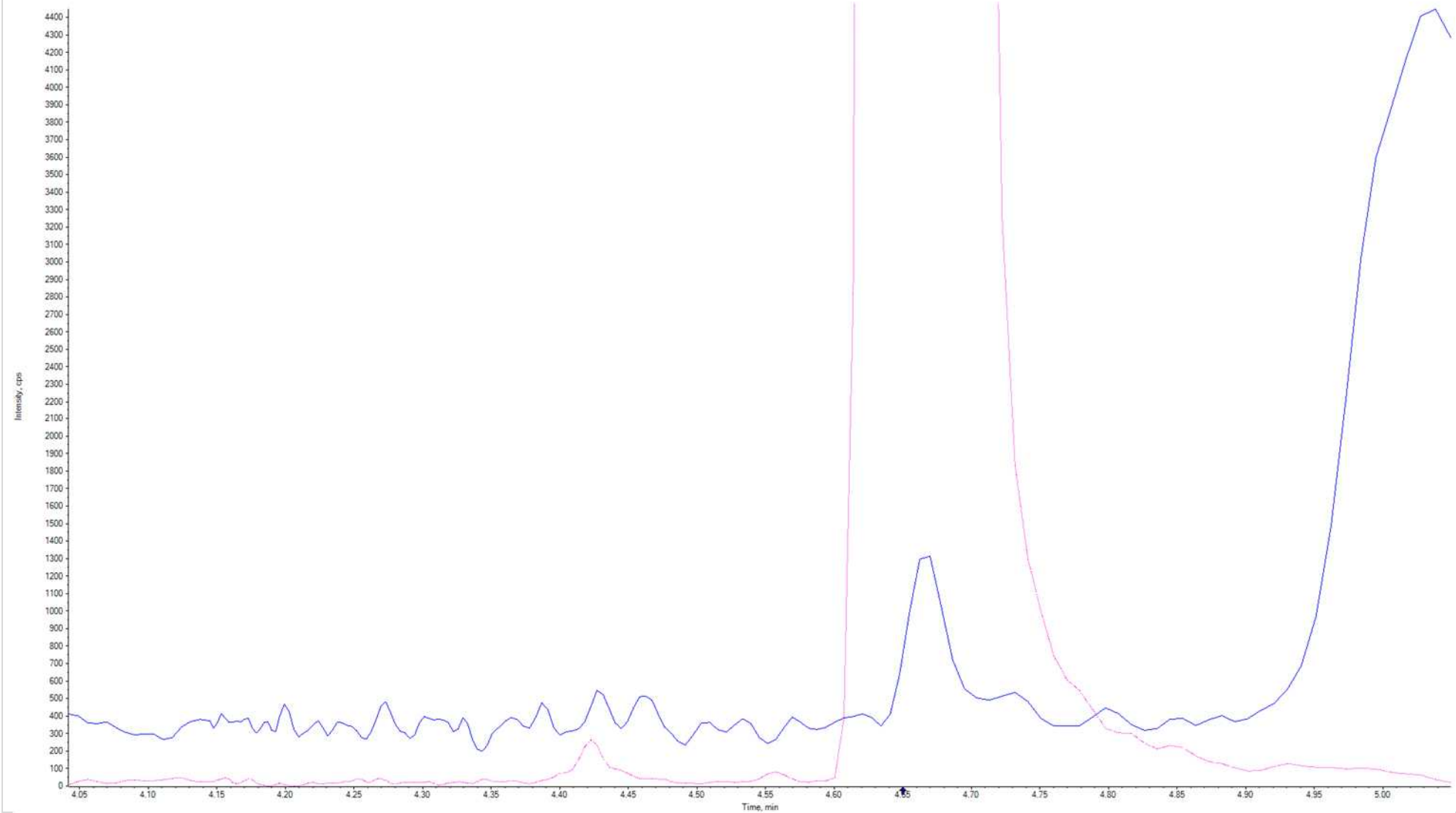
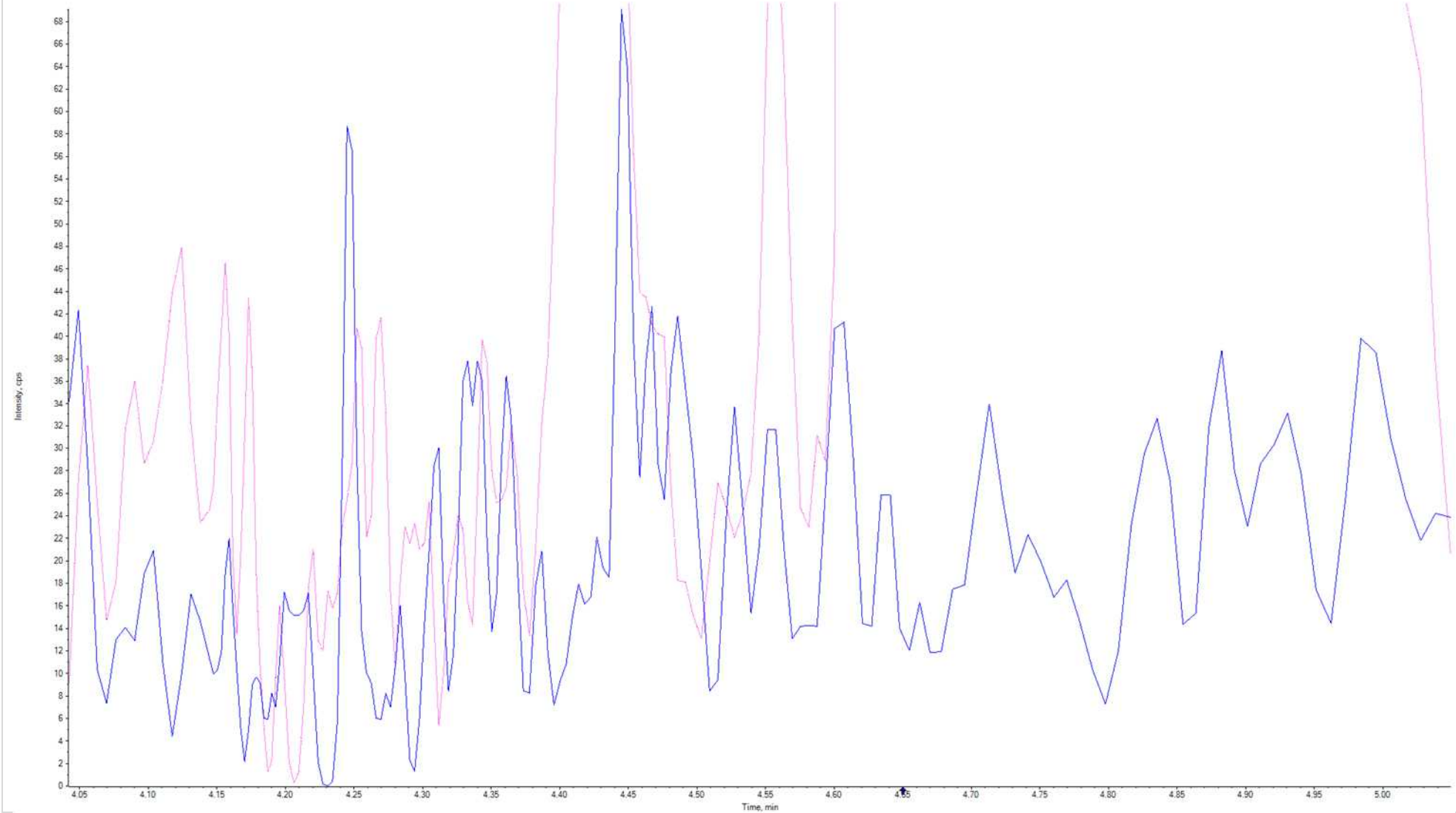
PFPeA
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_27.wiff
Last Altered: 9/17/2024 1:15:28 PM
Generated: 9/17/2024 11:31:06 AM

PFPeA_2
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFHxA
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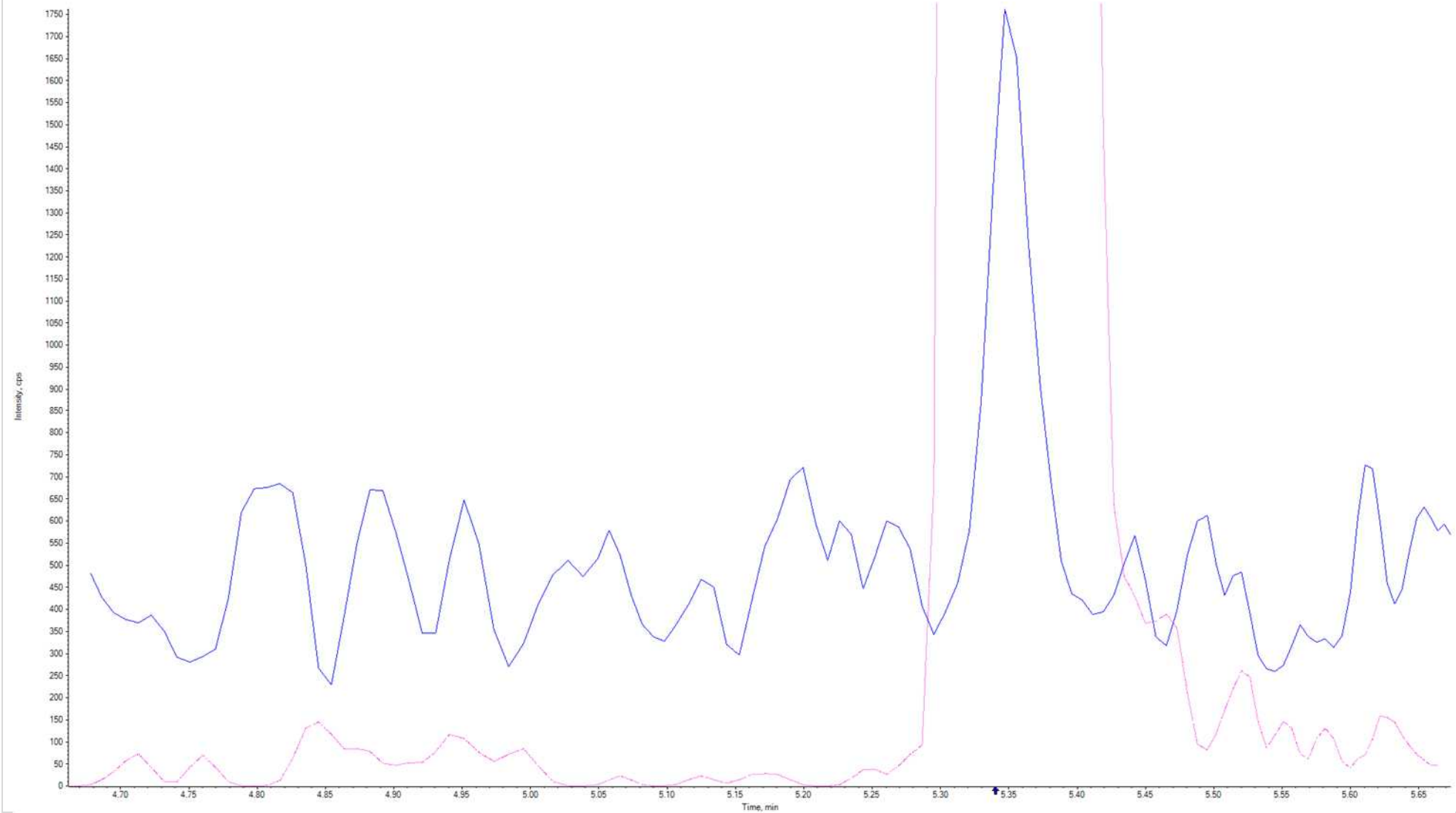

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Alpha Analytical Inc.
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PFHxA_2
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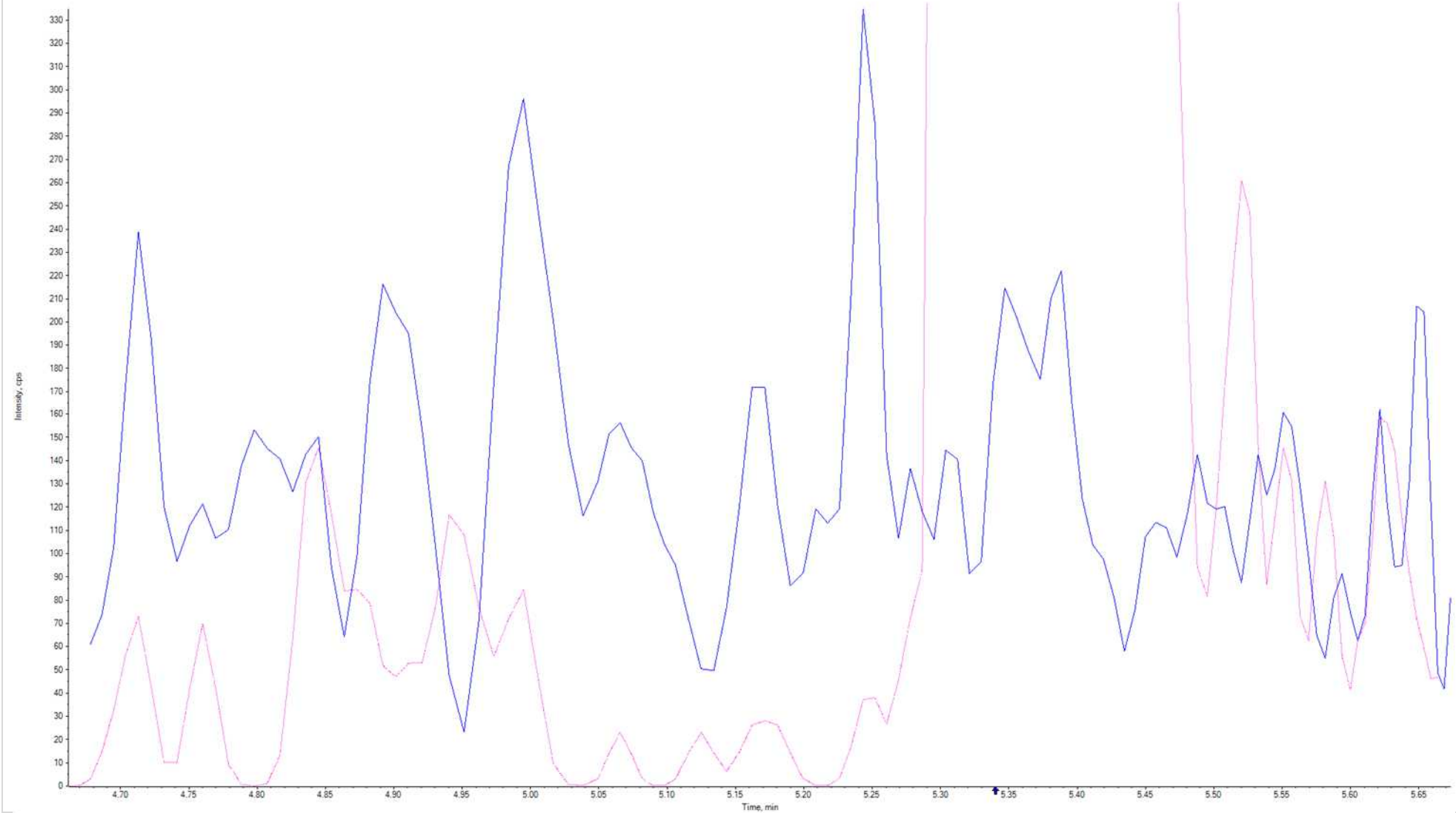

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PFHpA
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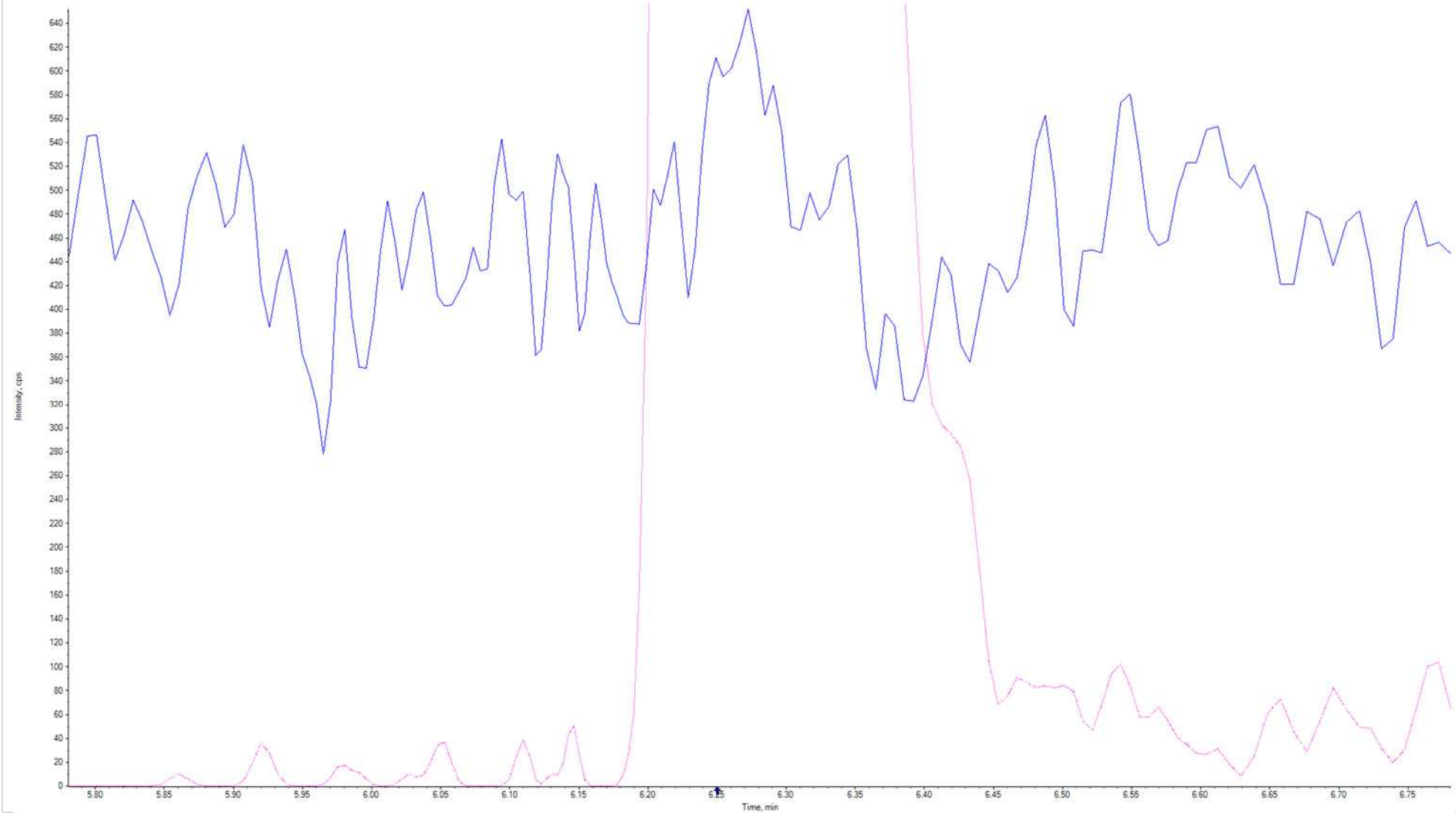

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PFHpA_2
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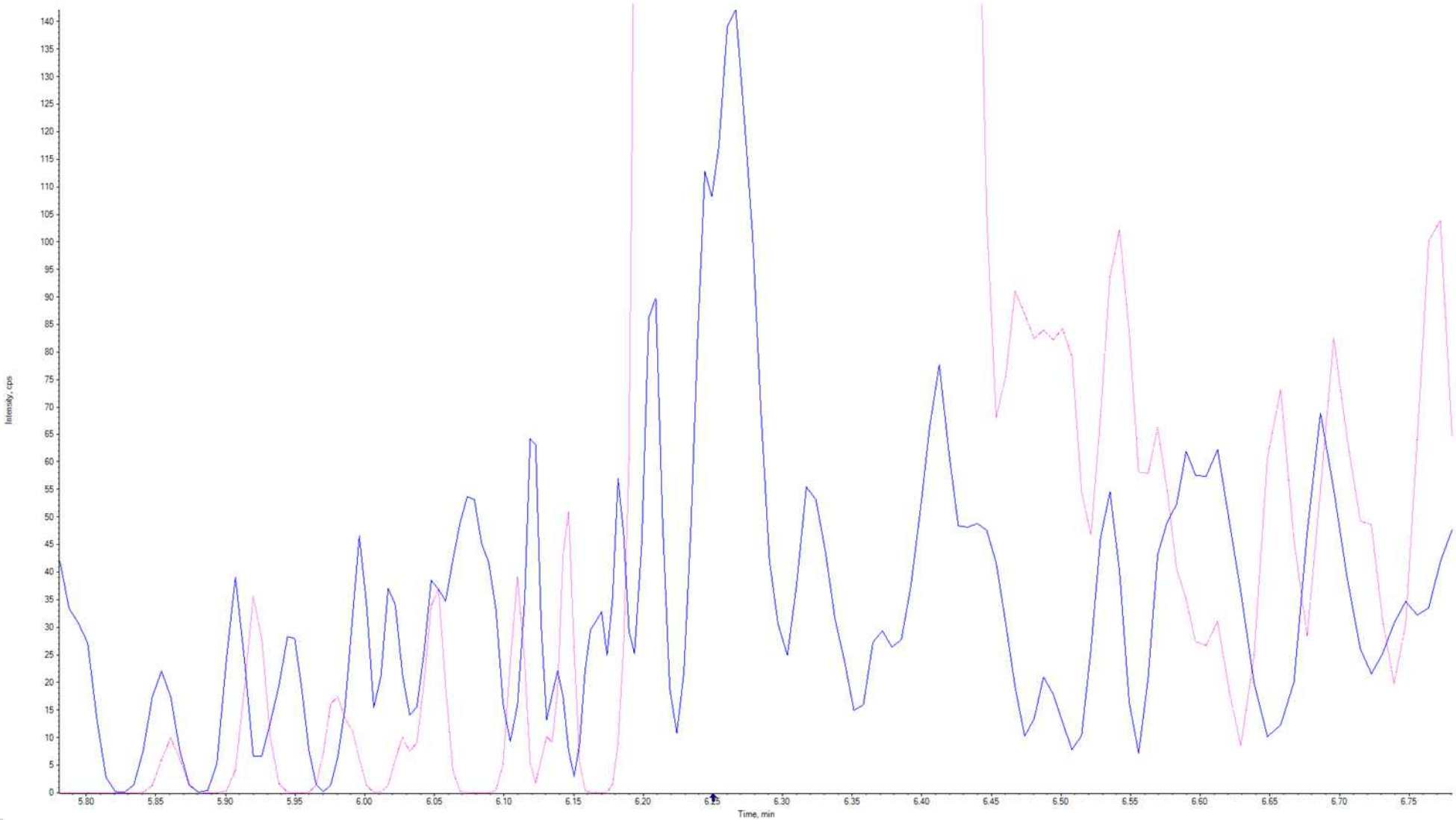

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PFOA
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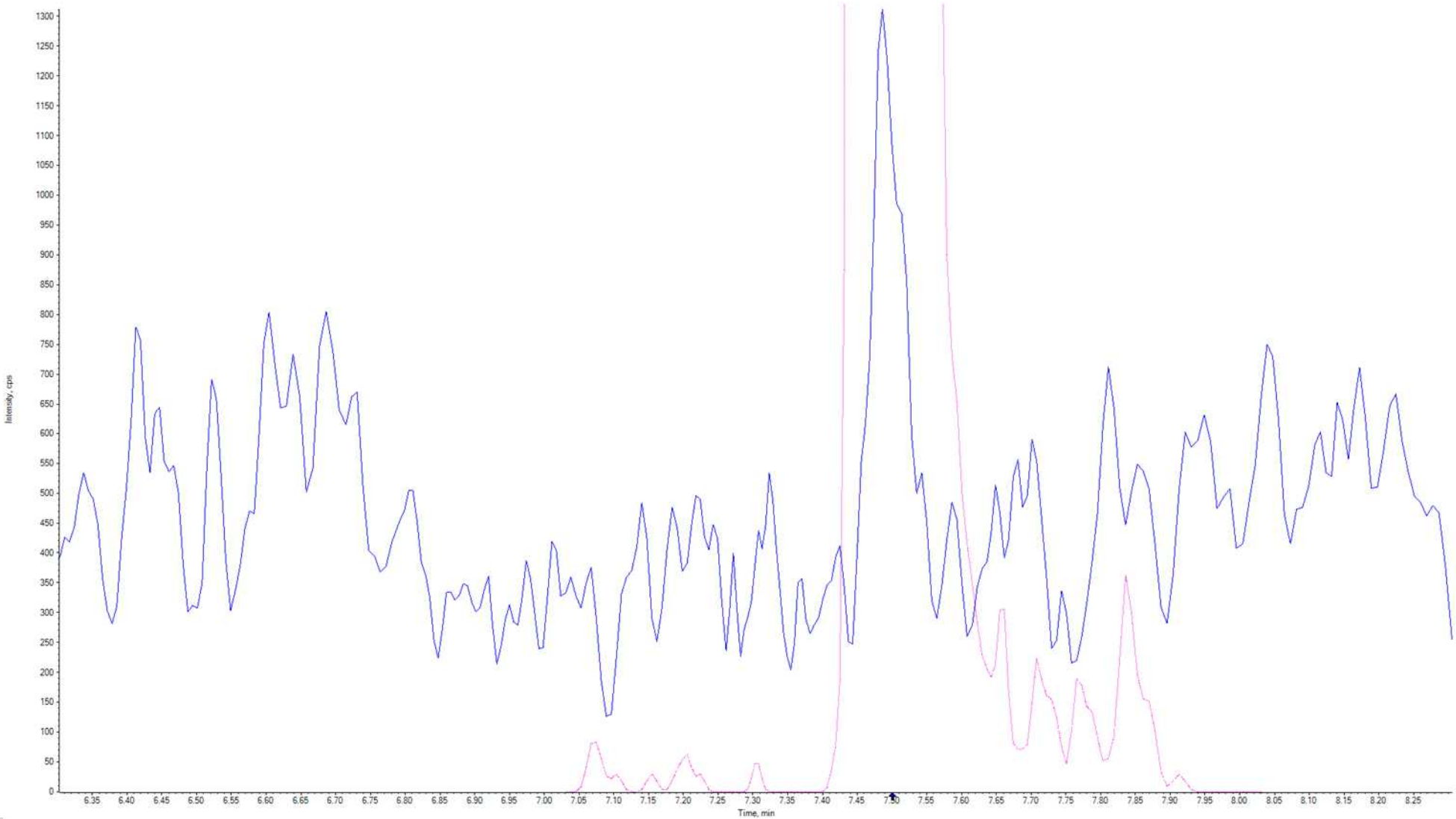

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PFOA_2
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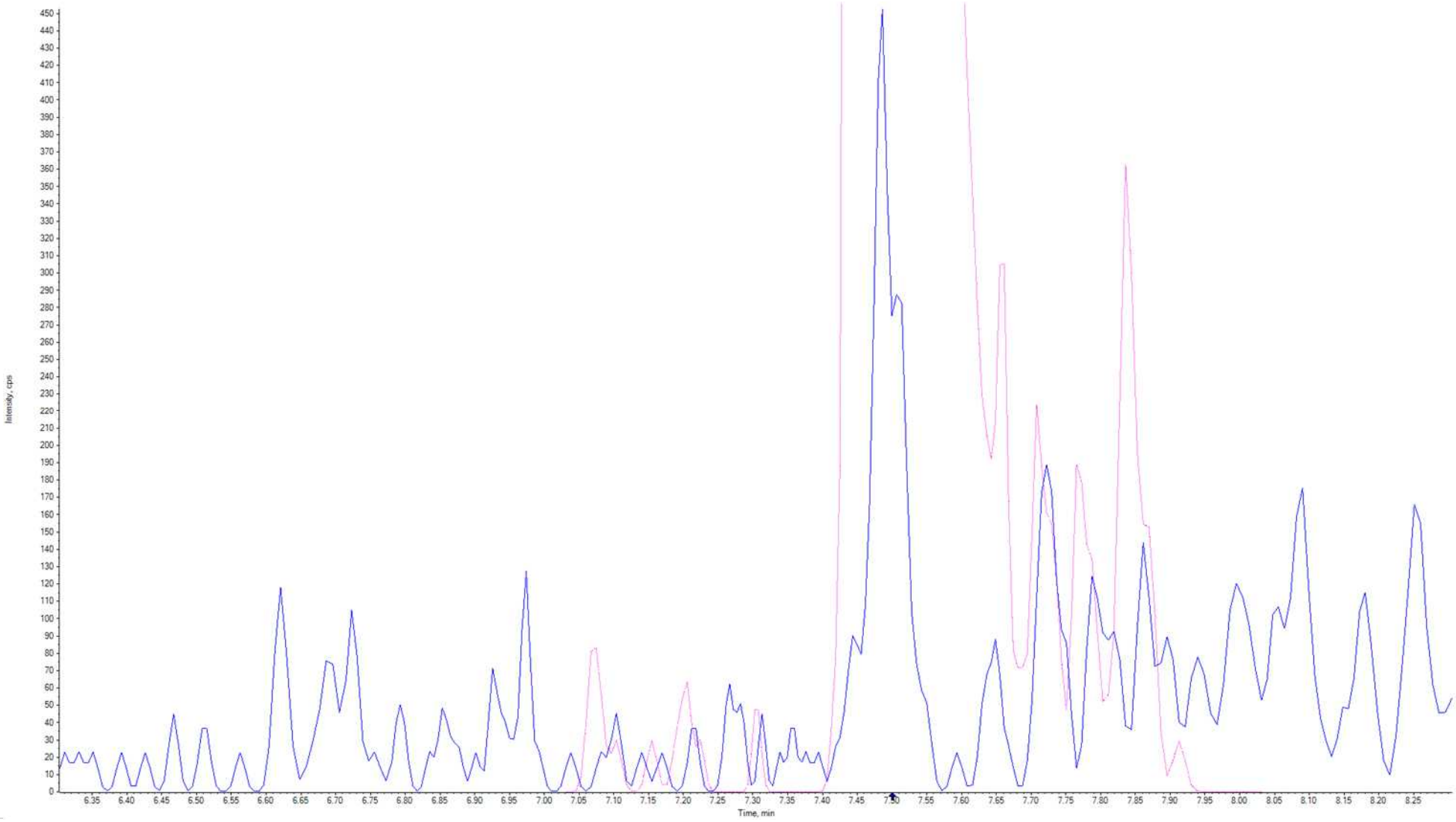

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PFNA
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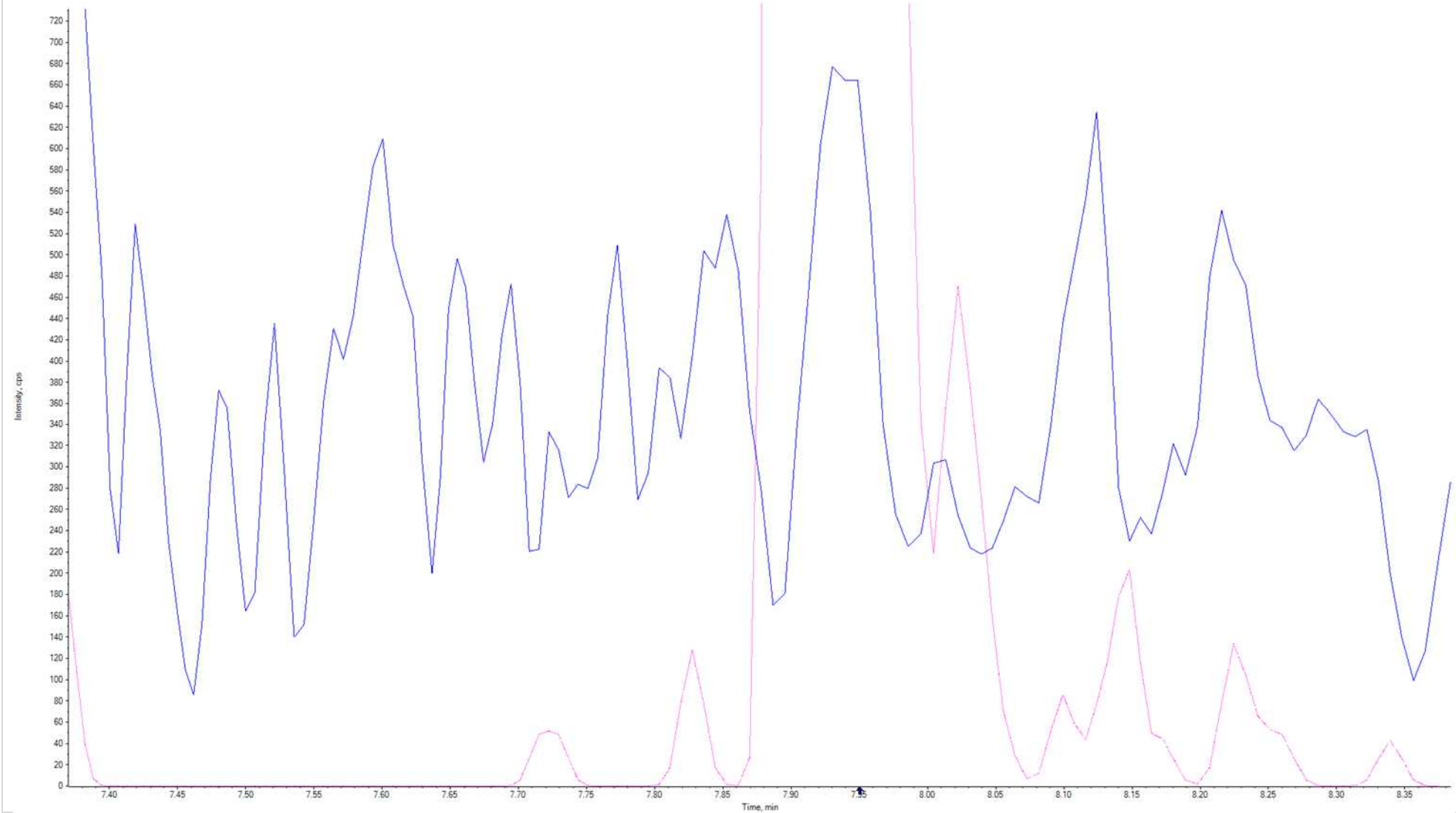

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PFNA_2
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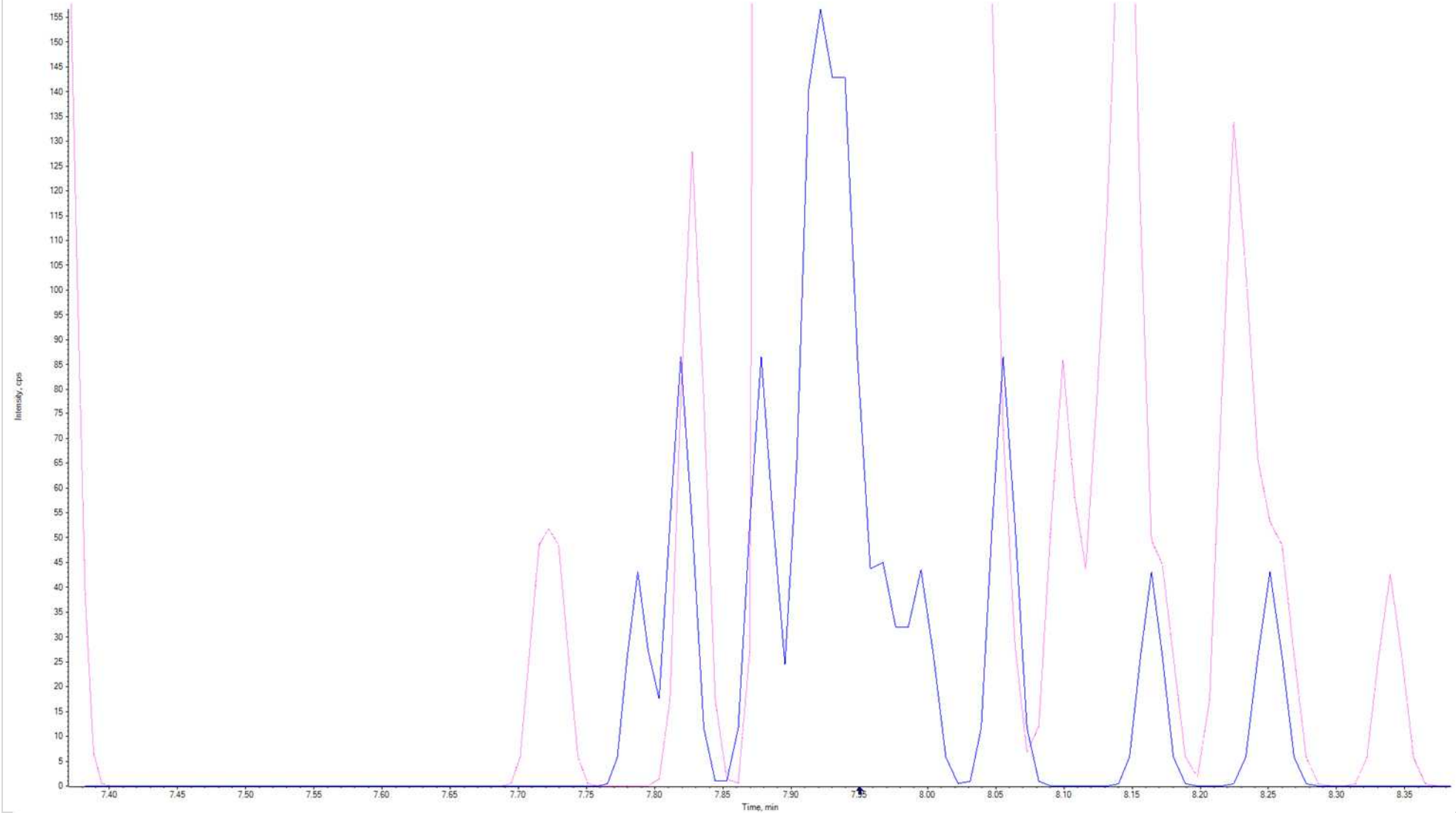

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PFDA
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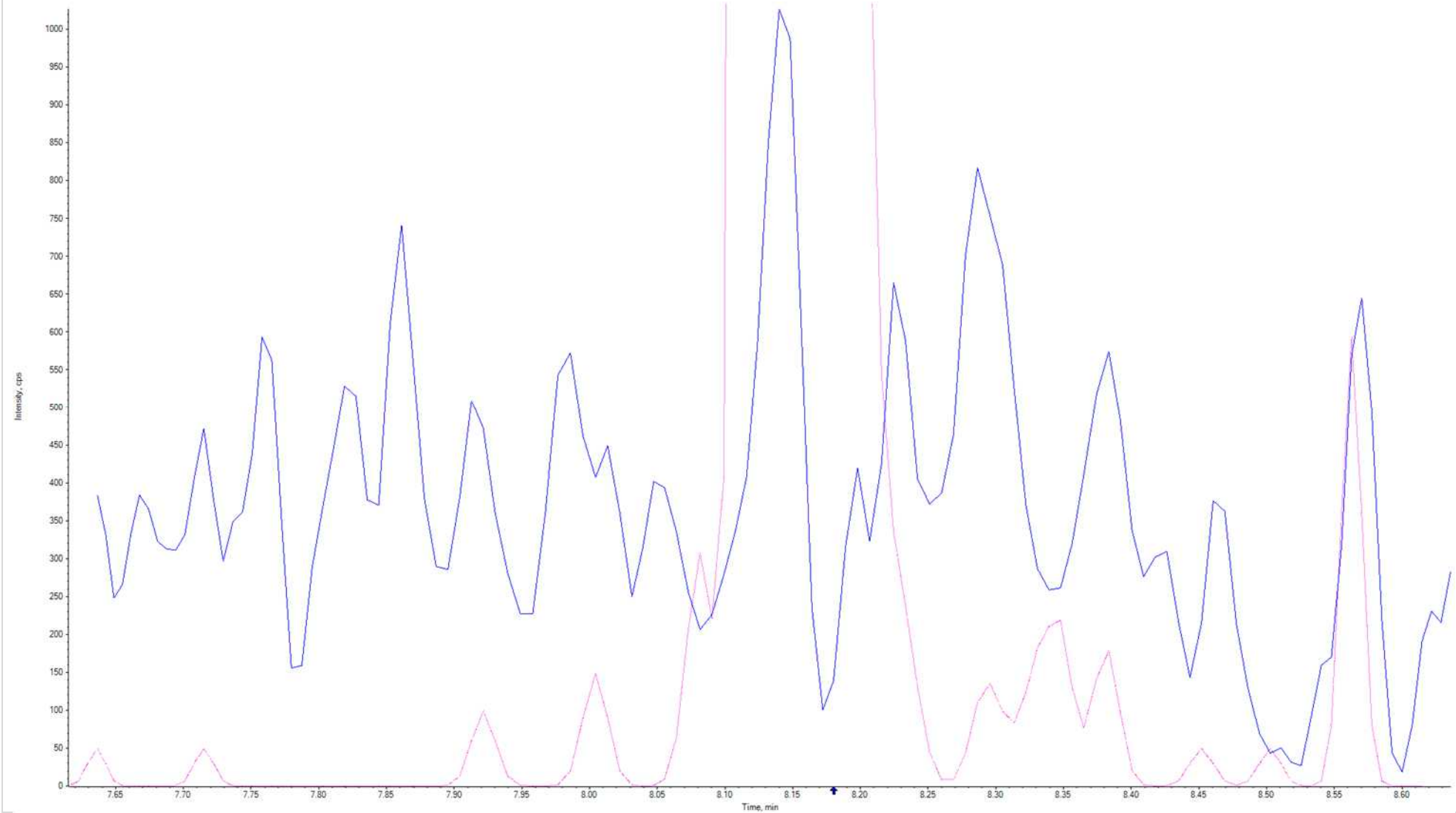

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Alpha Analytical Inc.
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PFDA_2
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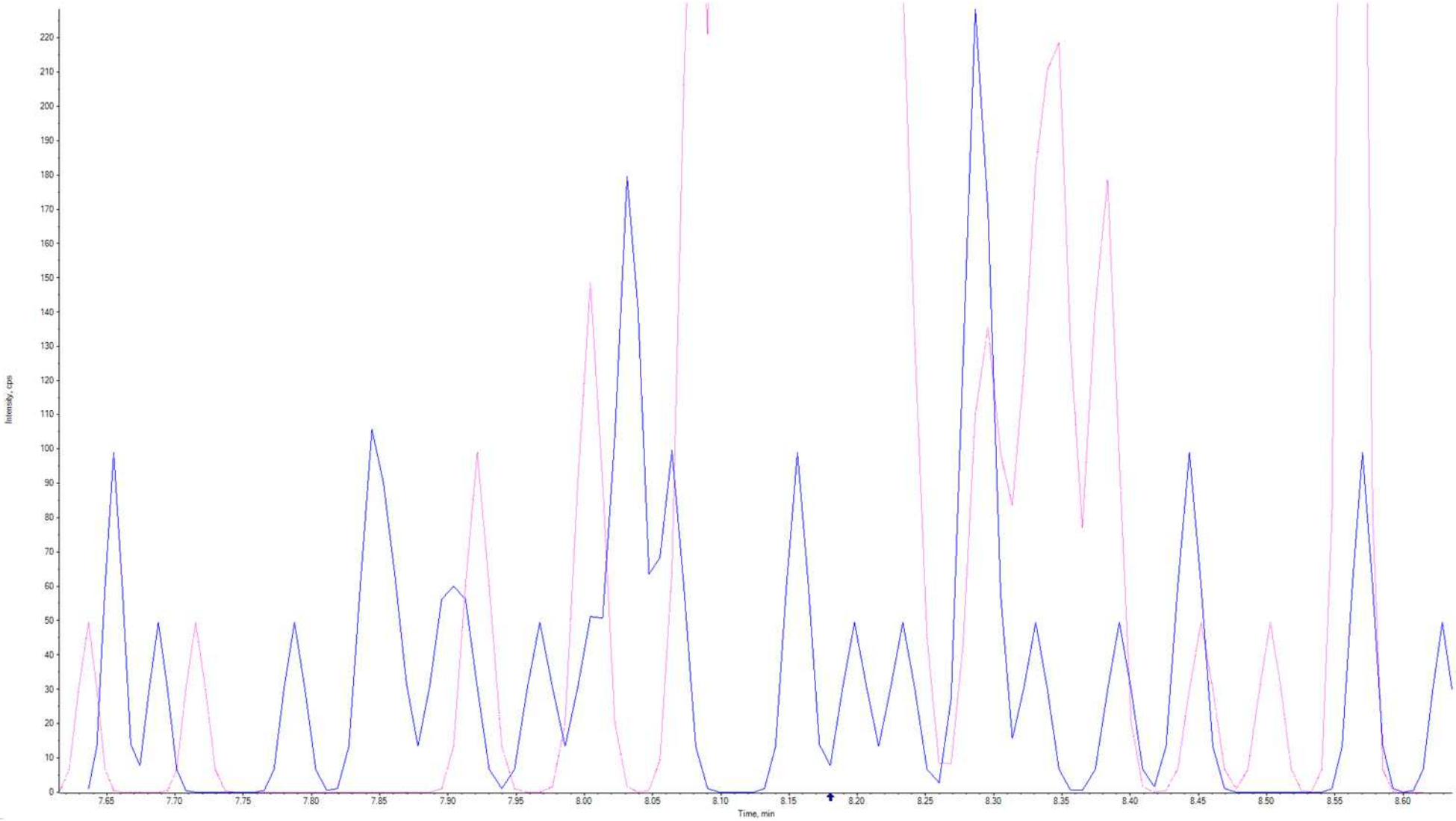

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PFUnA
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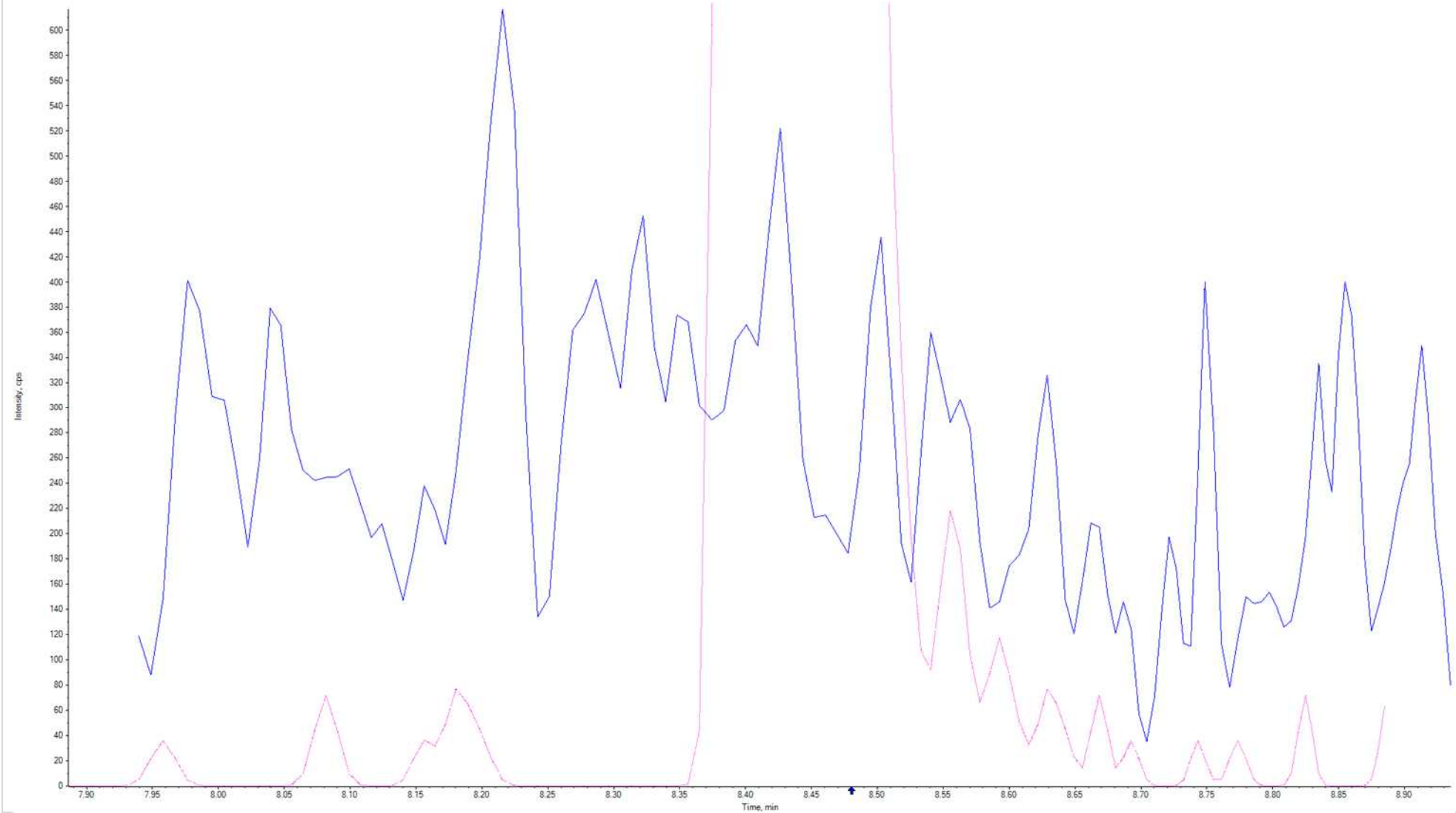

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PFUnA_2
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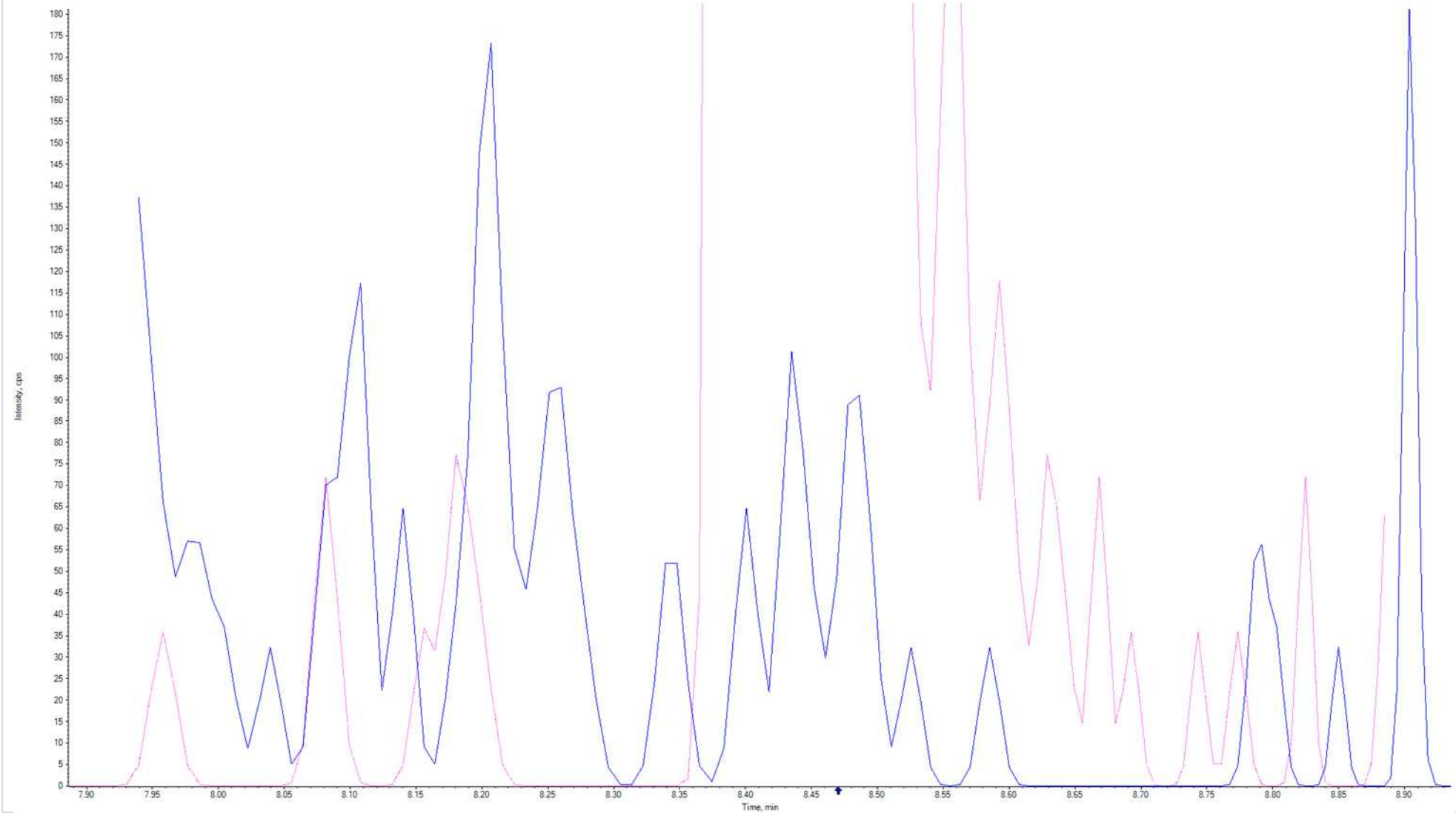

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PFDoA
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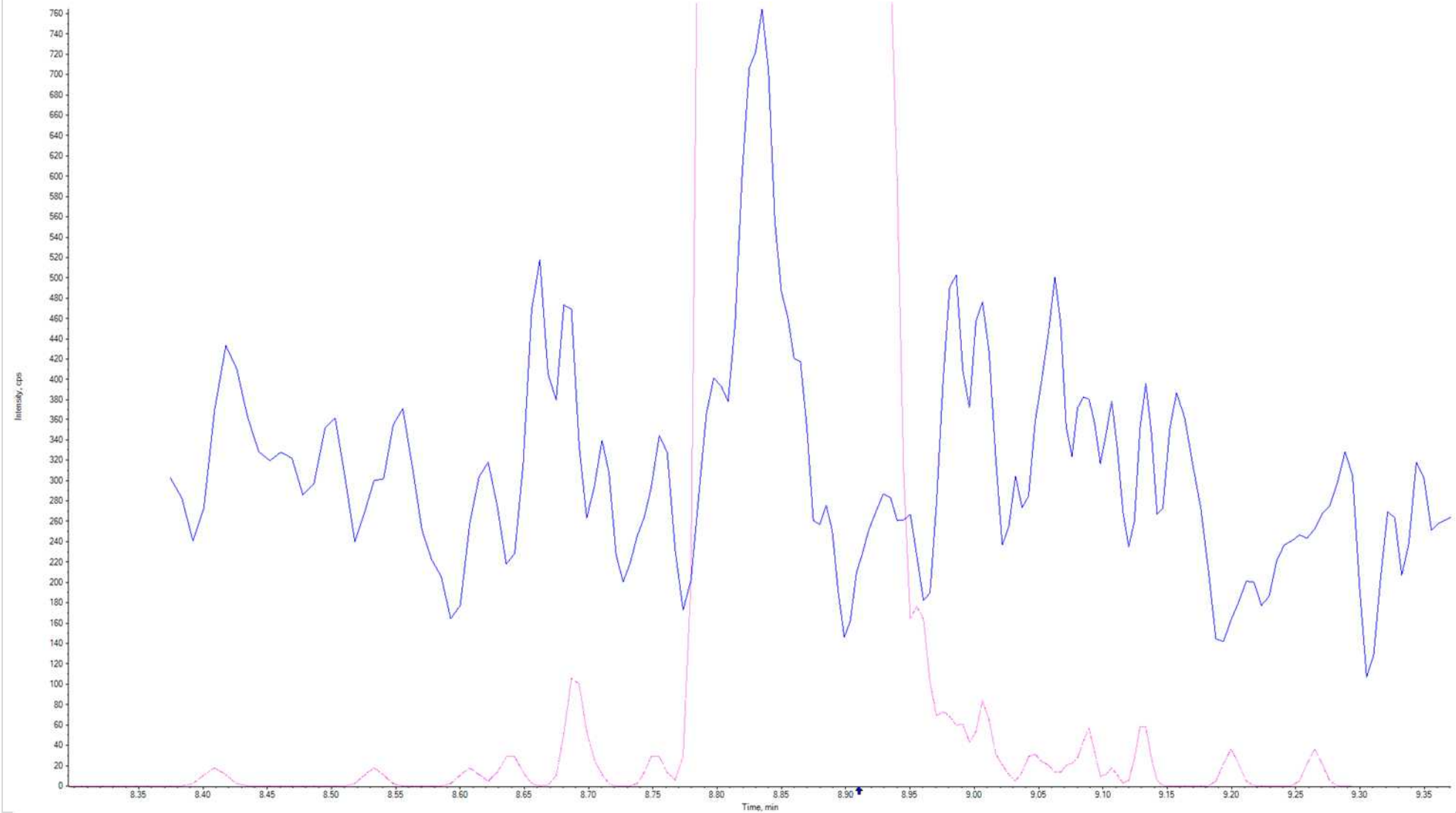

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFDoA_2
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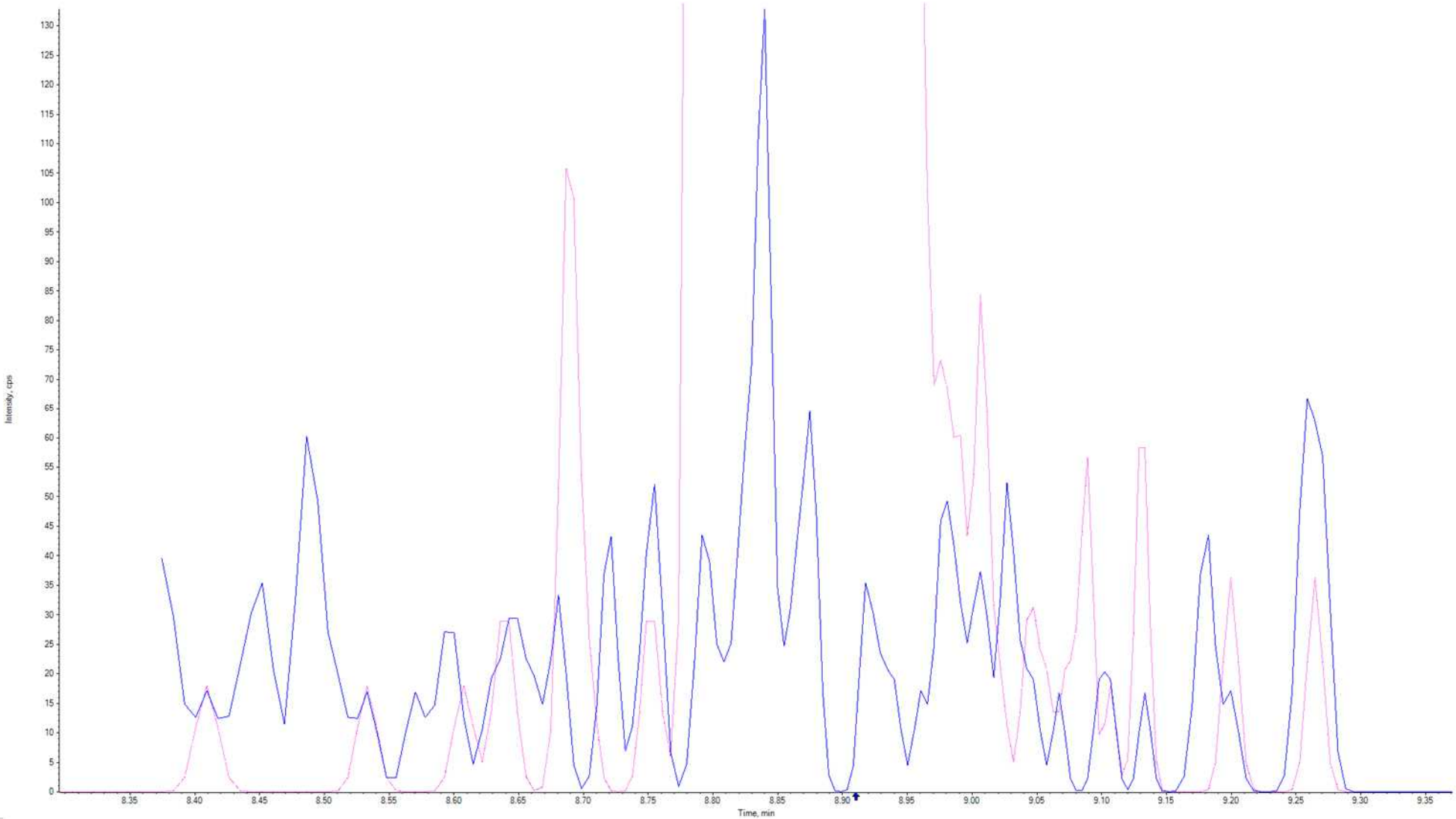

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PFTrDA
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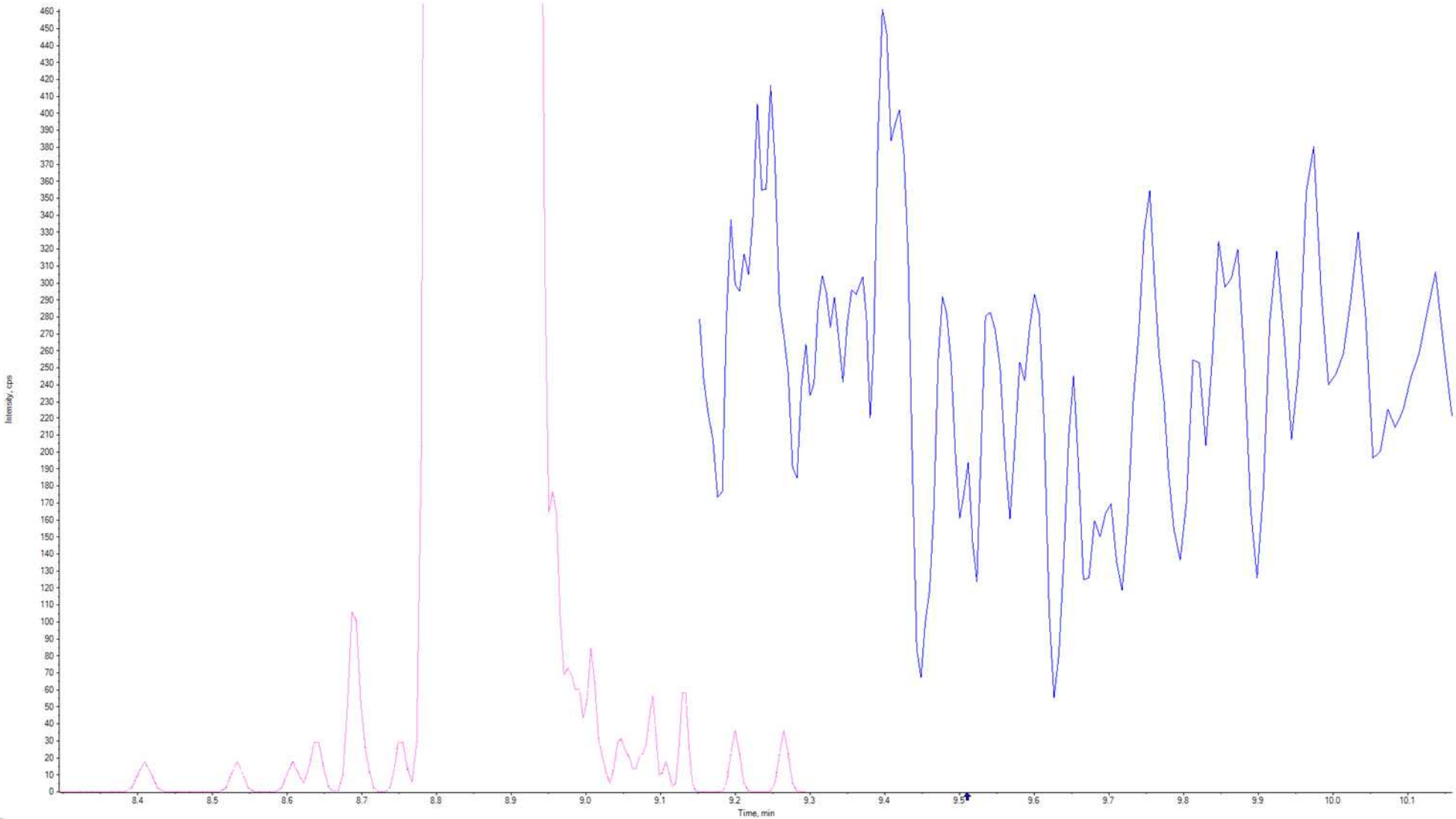

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PFTrDA_2
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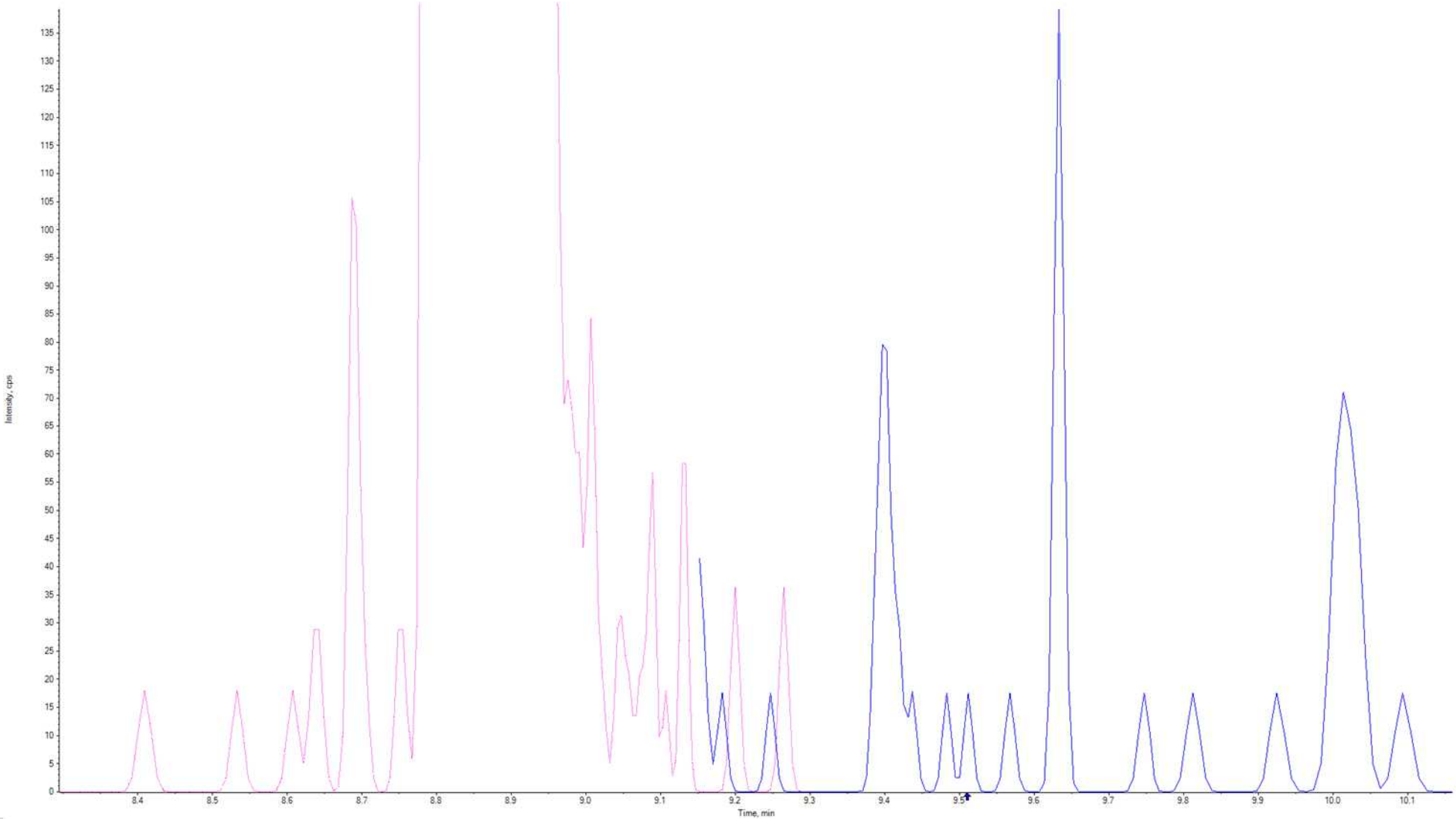

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFTeDA
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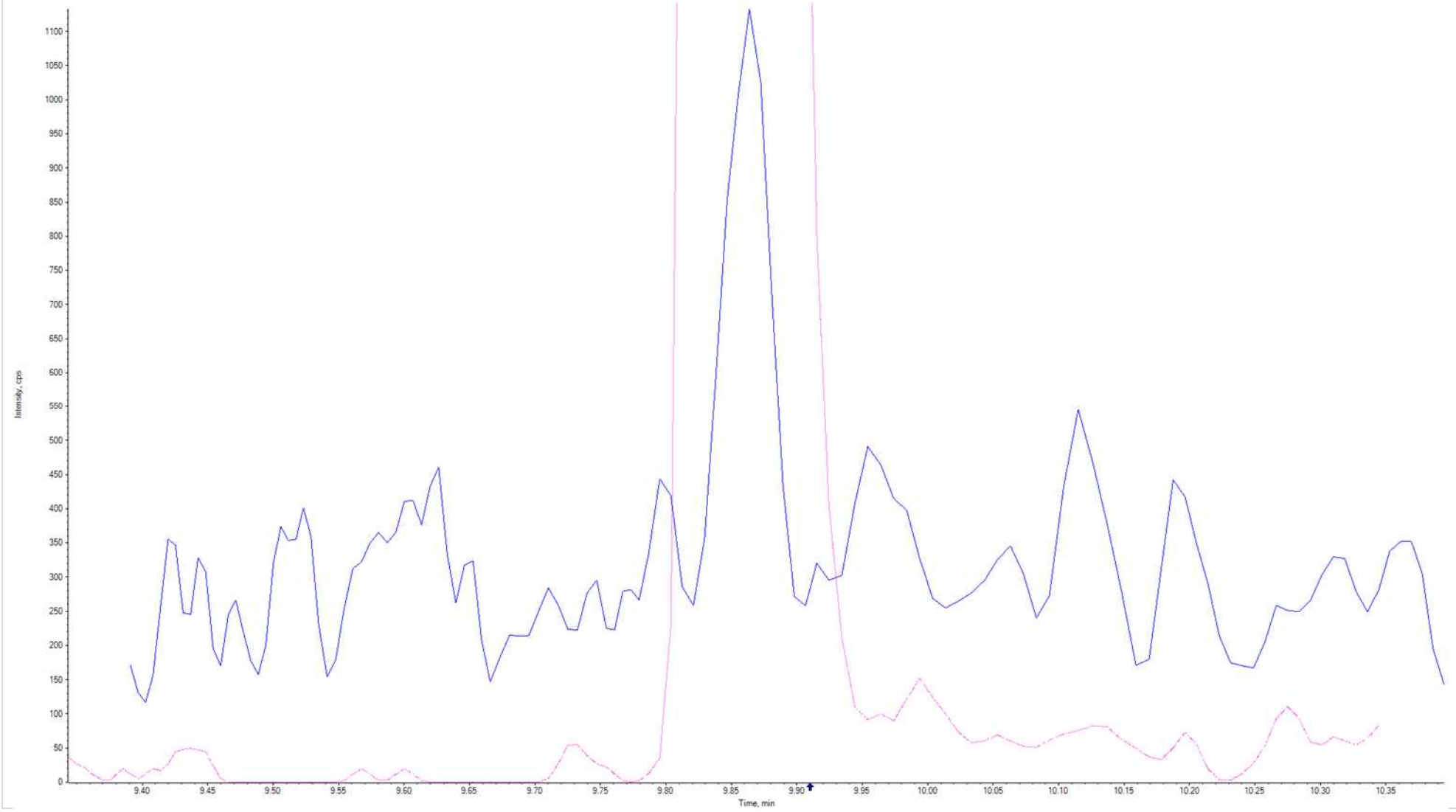

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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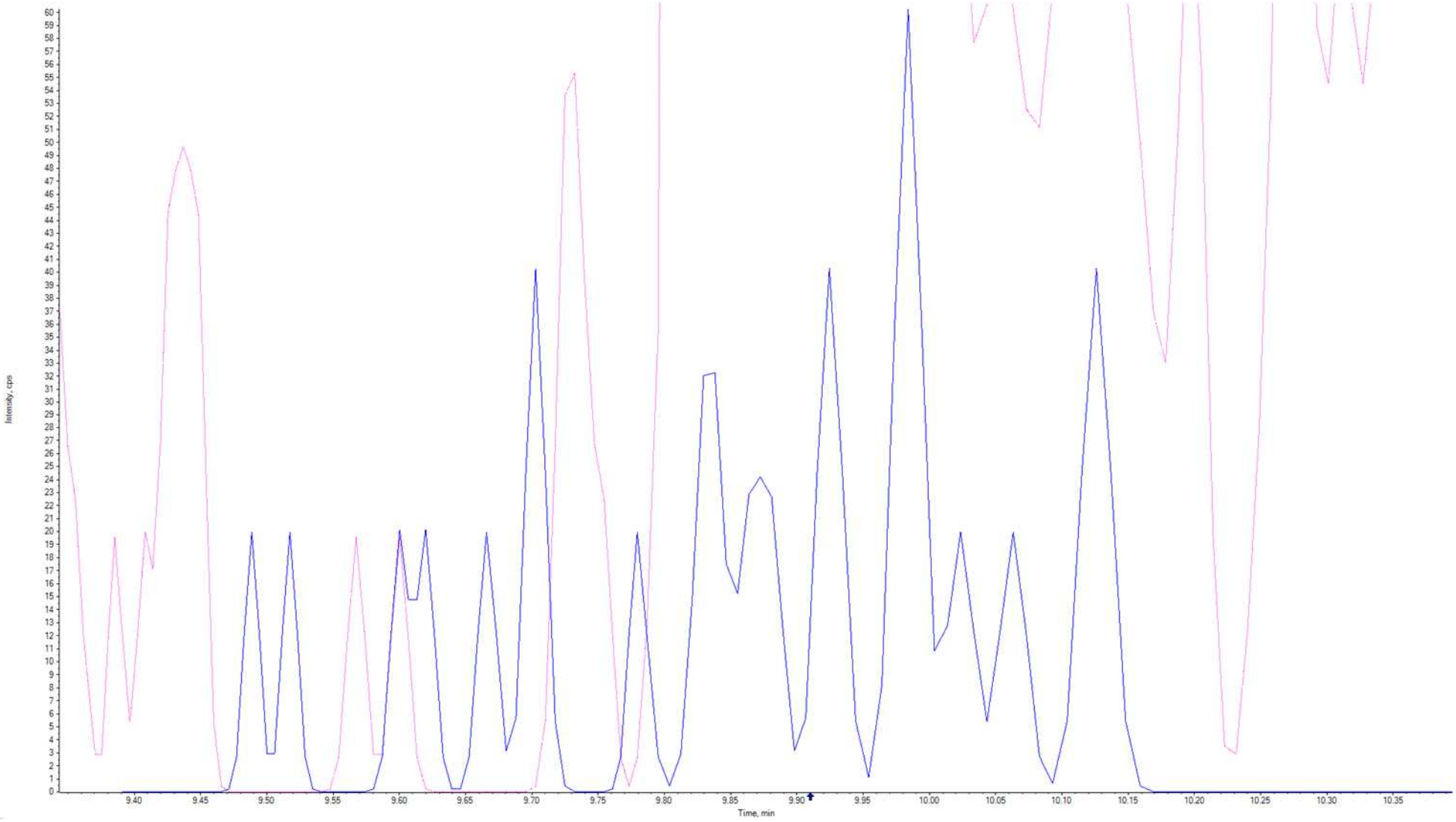

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PFBS
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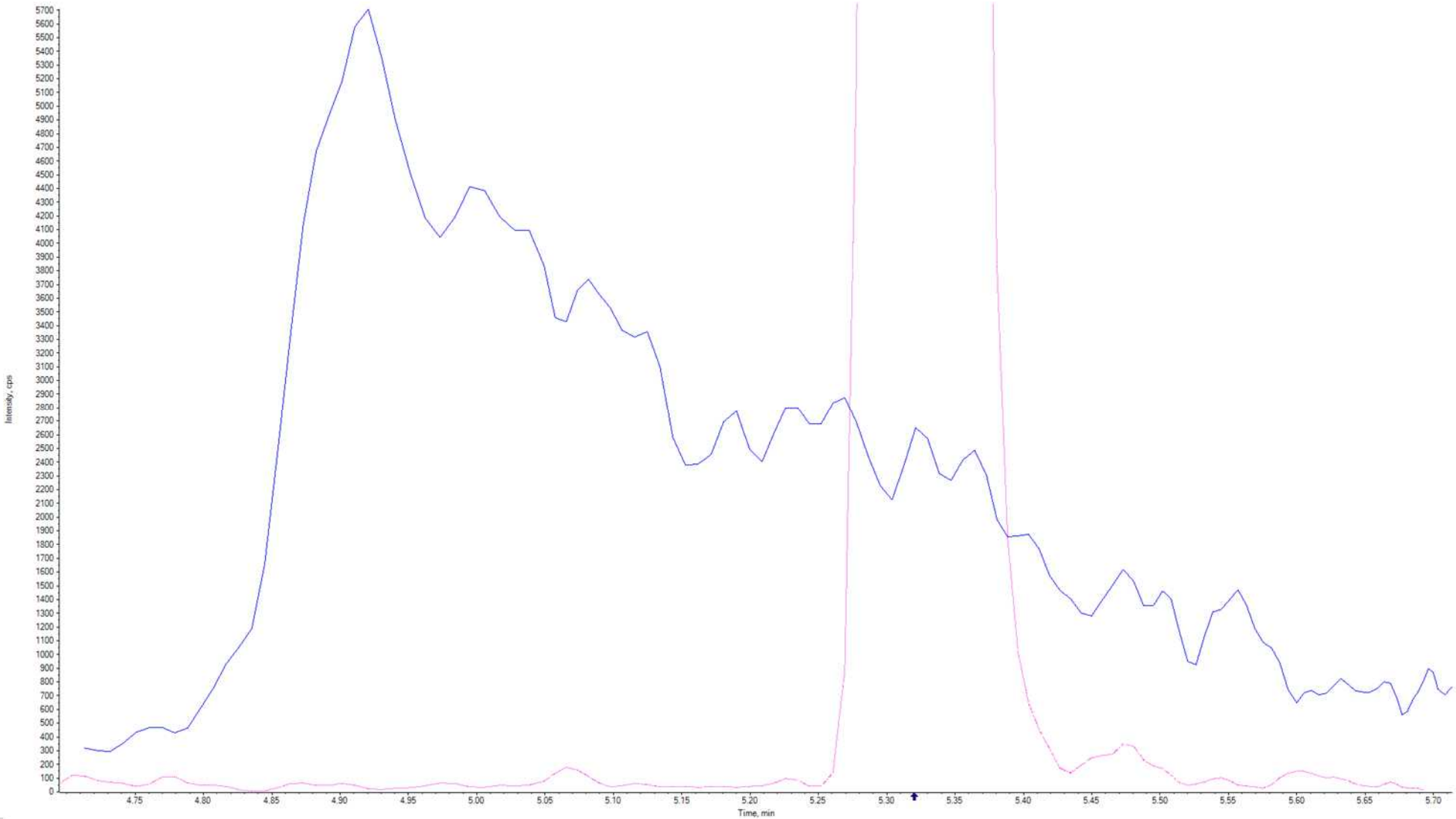

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PFBS_2
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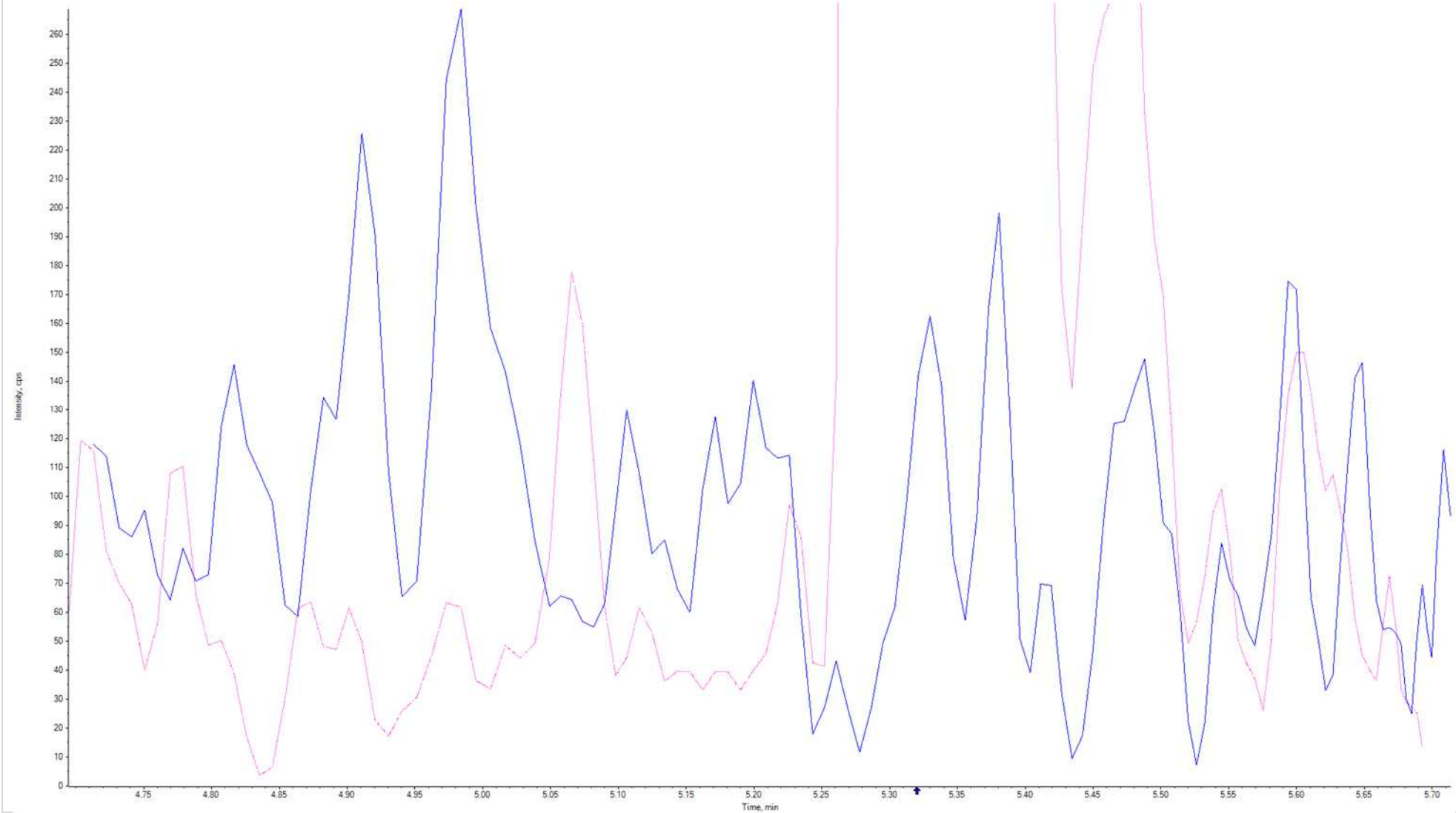

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PFPeS
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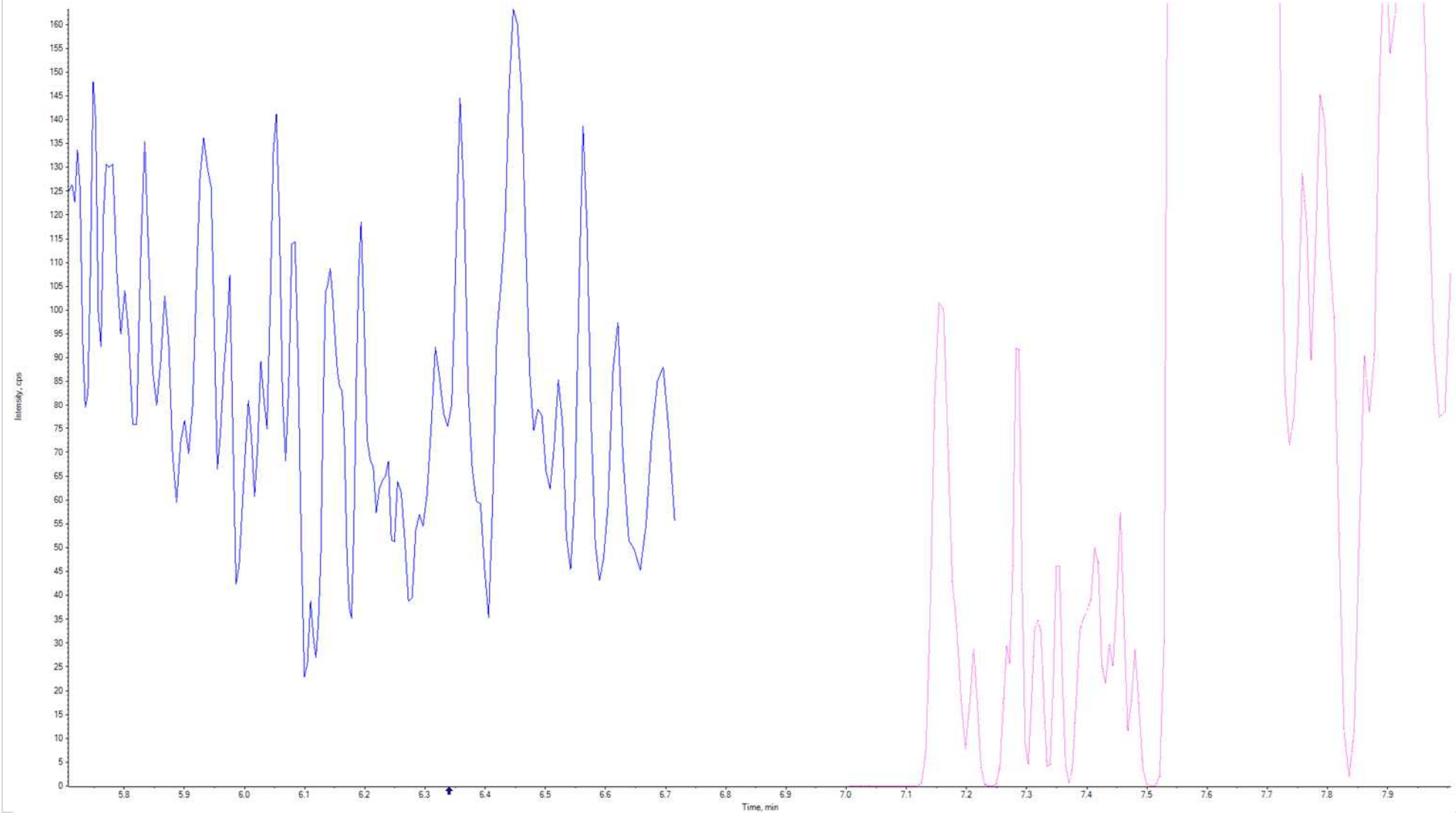

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PFPeS_2
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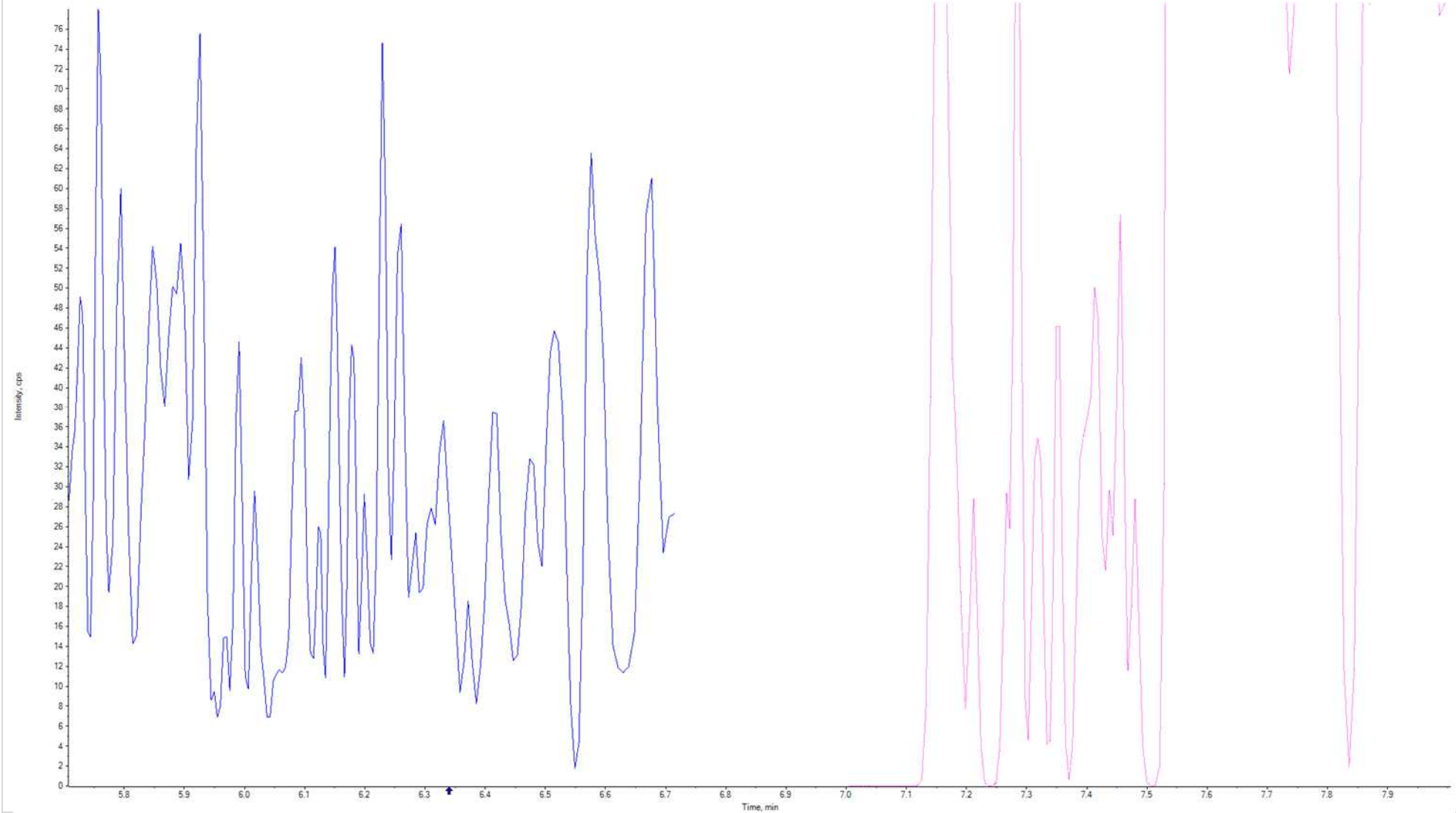

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PFHxS
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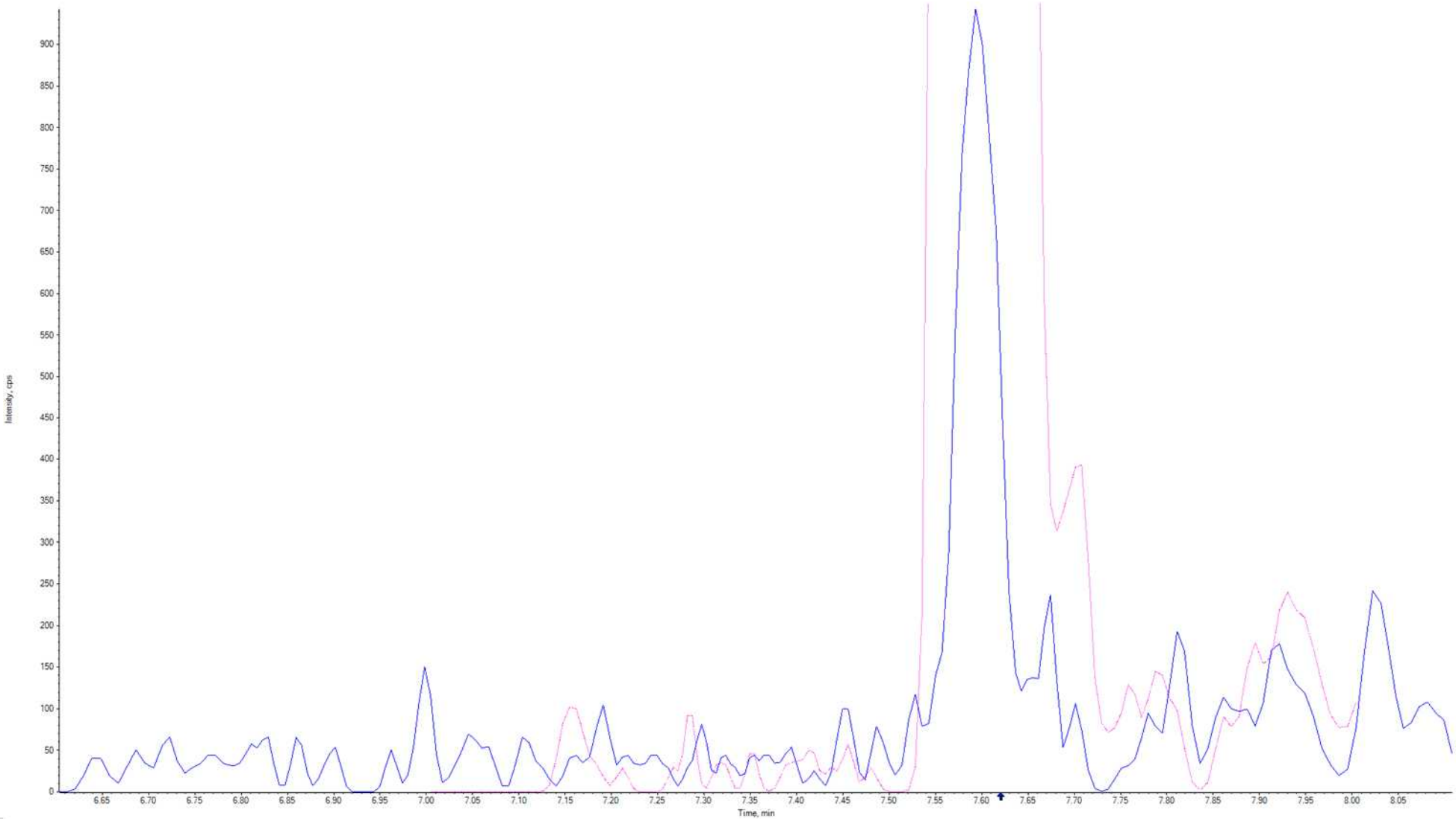

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PFHxS_2
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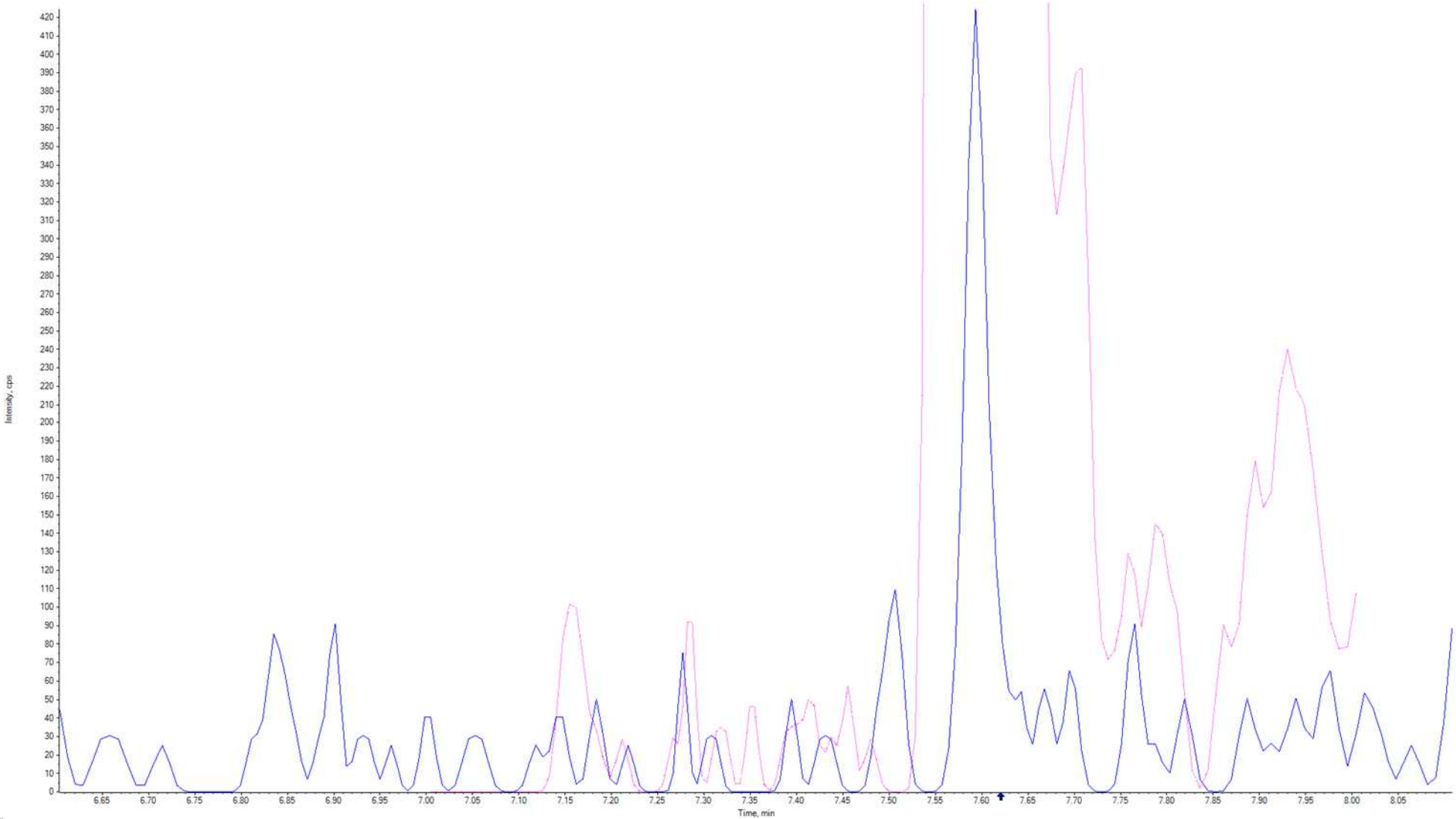

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PFHpS
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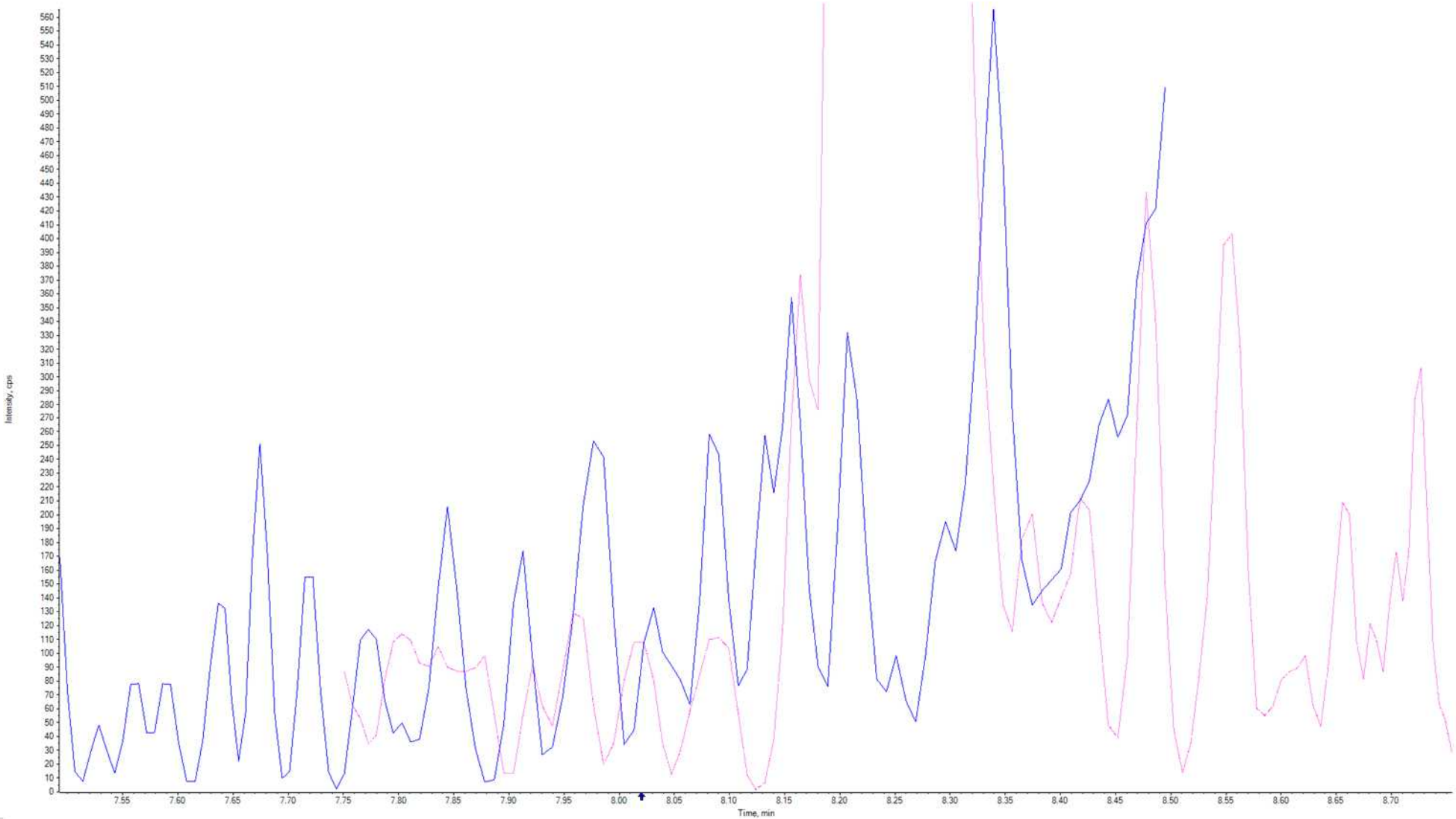

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PFHpS_2
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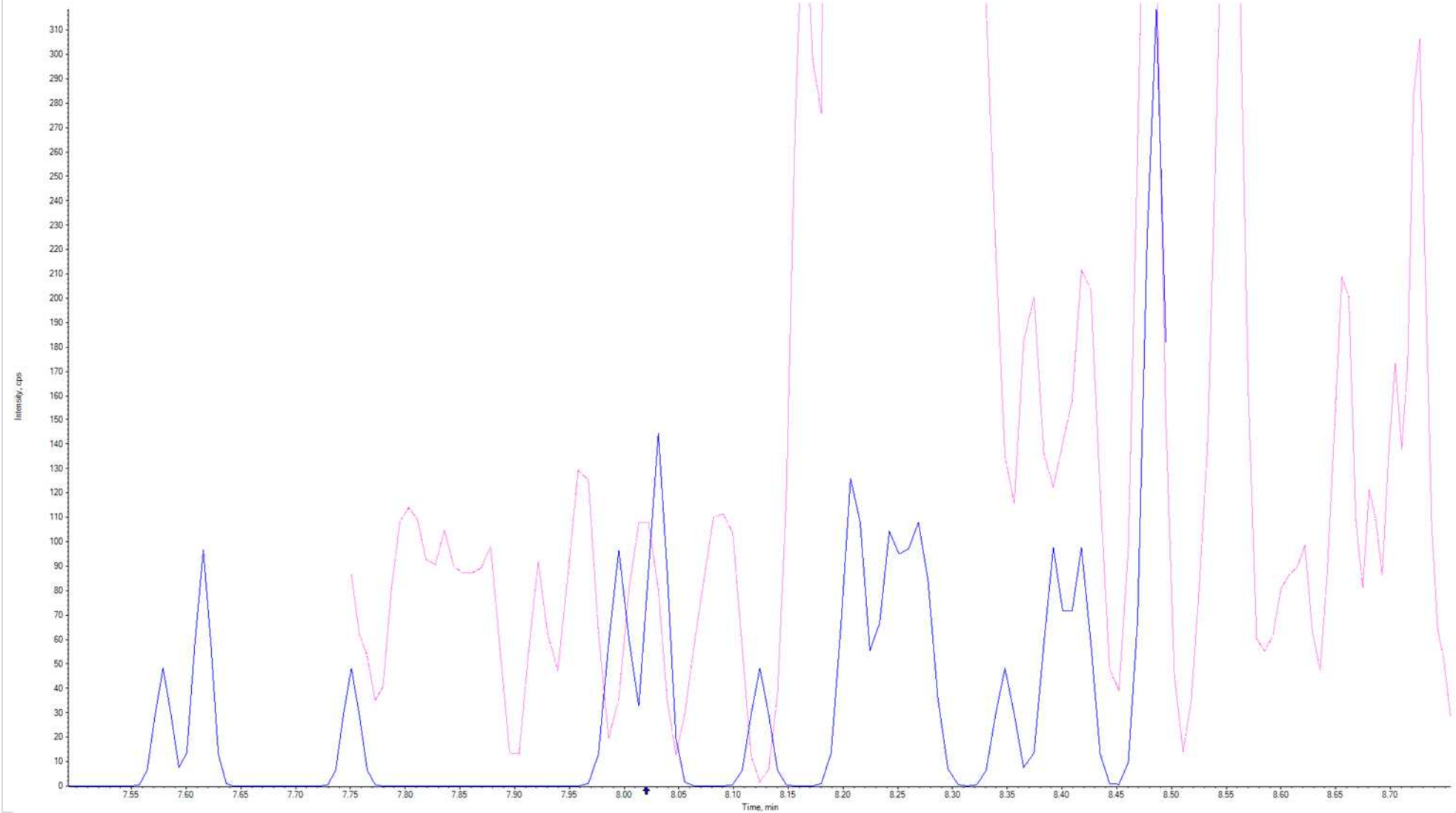

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PFOS
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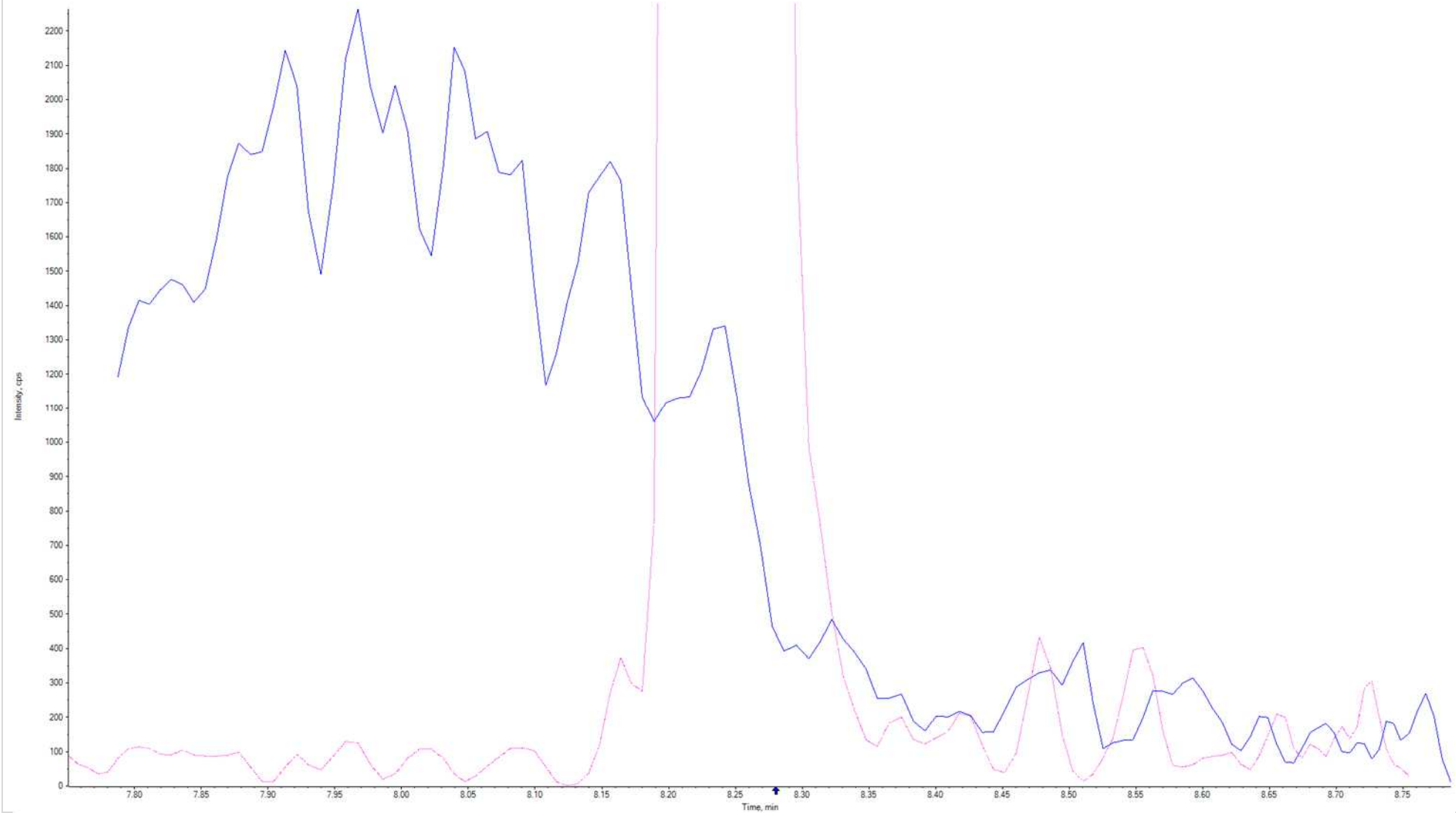

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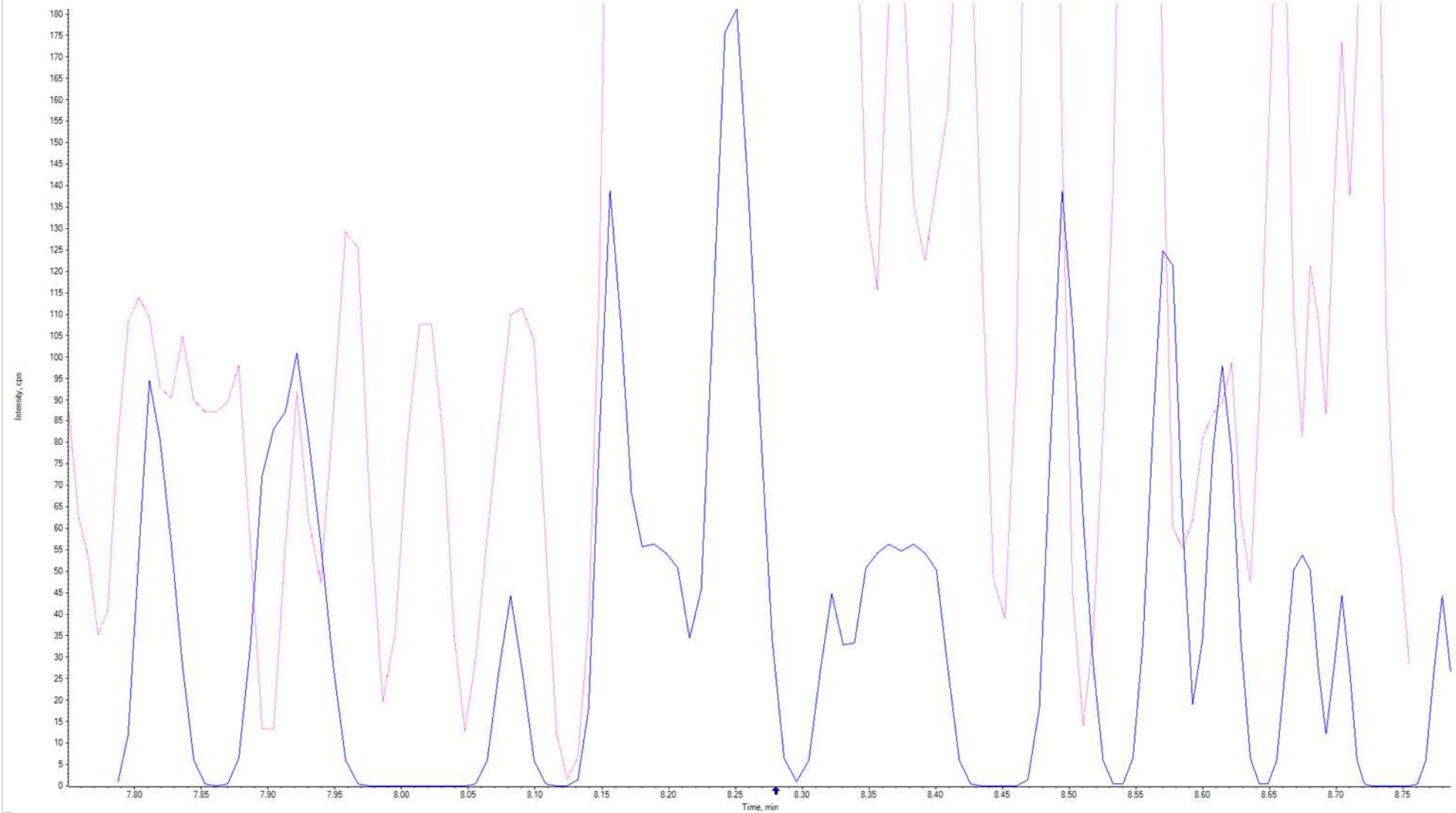

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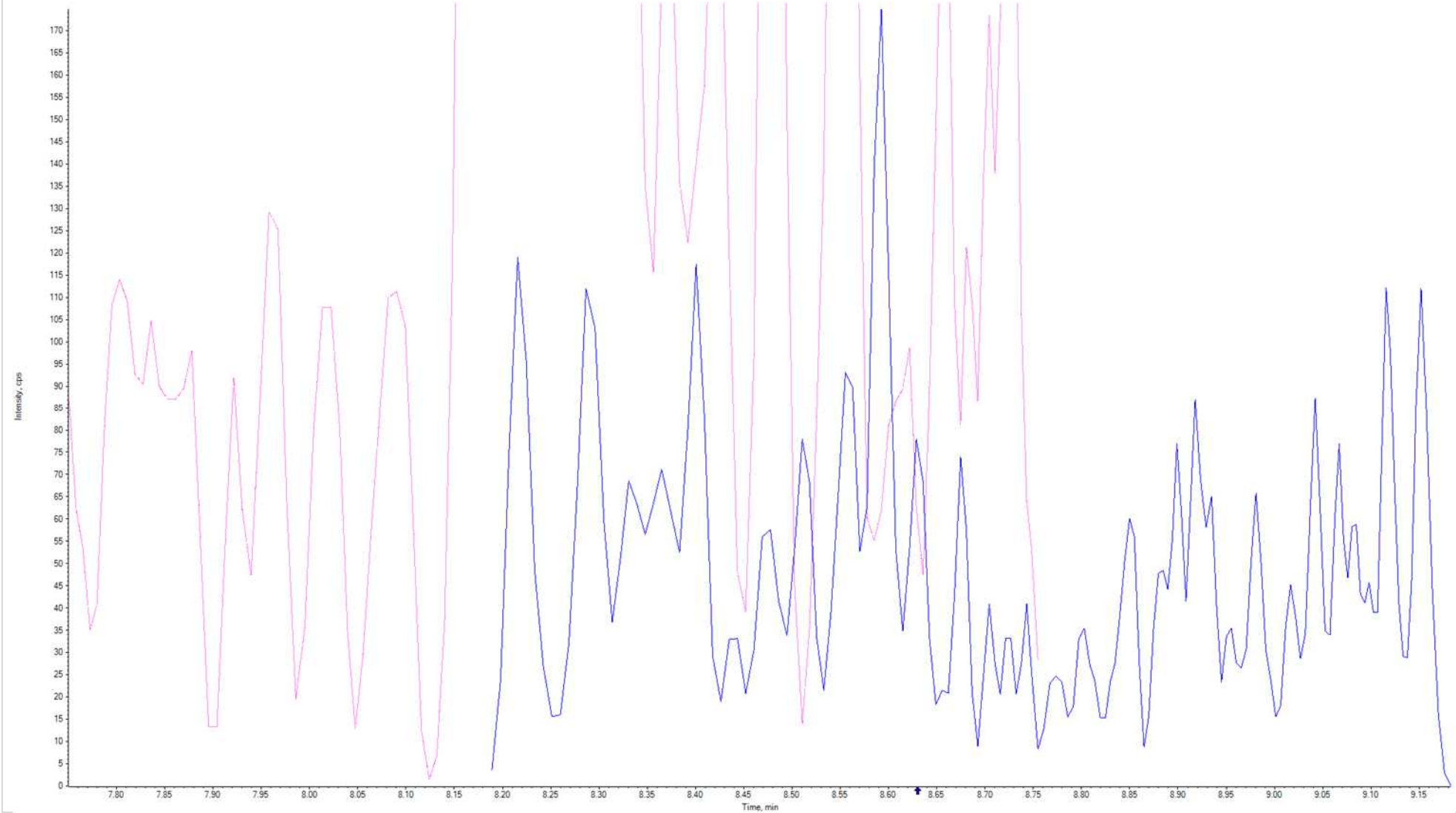
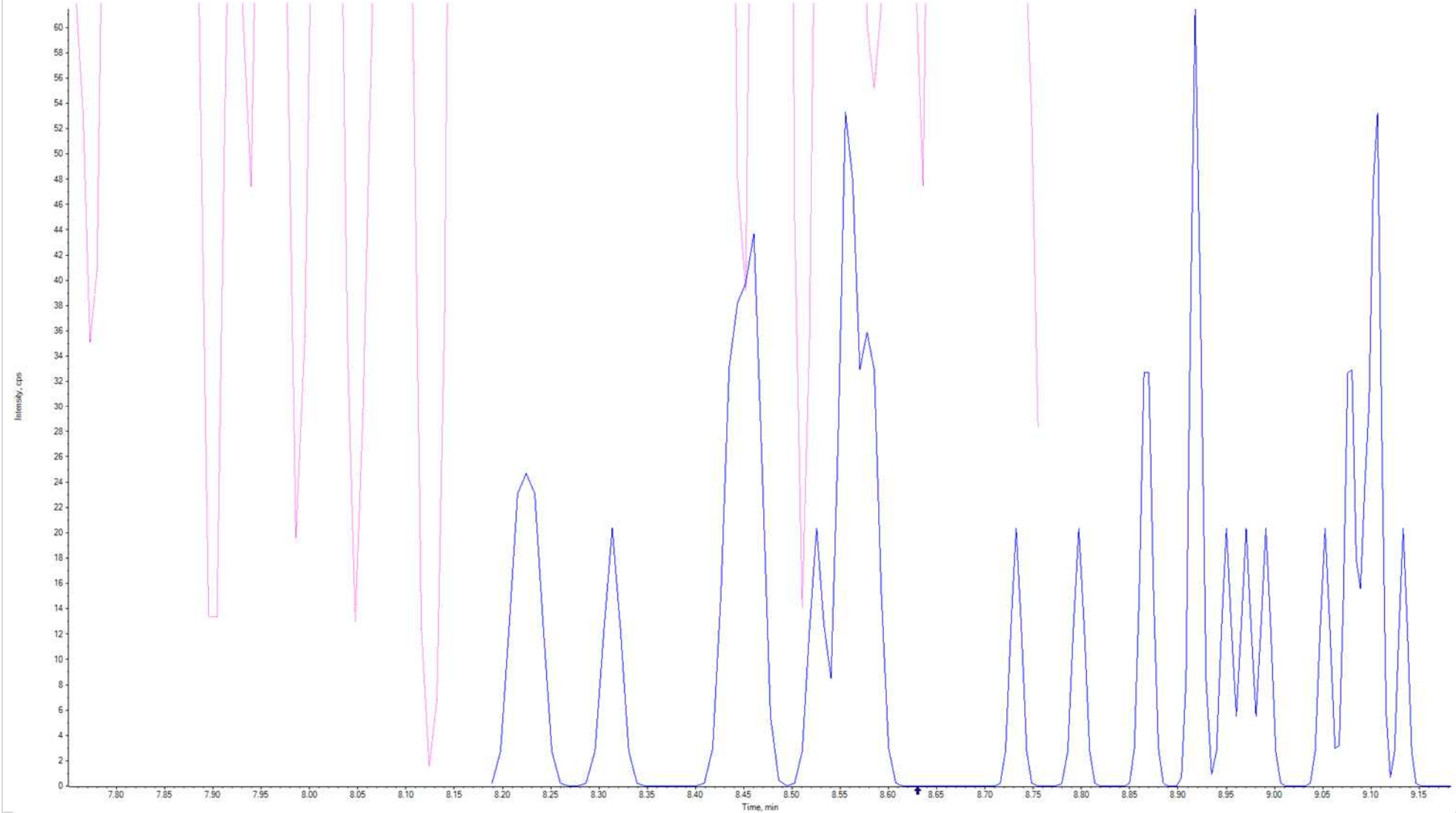
PFNS
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_27.wiff
Last Altered: 9/17/2024 1:15:28 PM
Generated: 9/17/2024 11:31:06 AM

PFNS_2
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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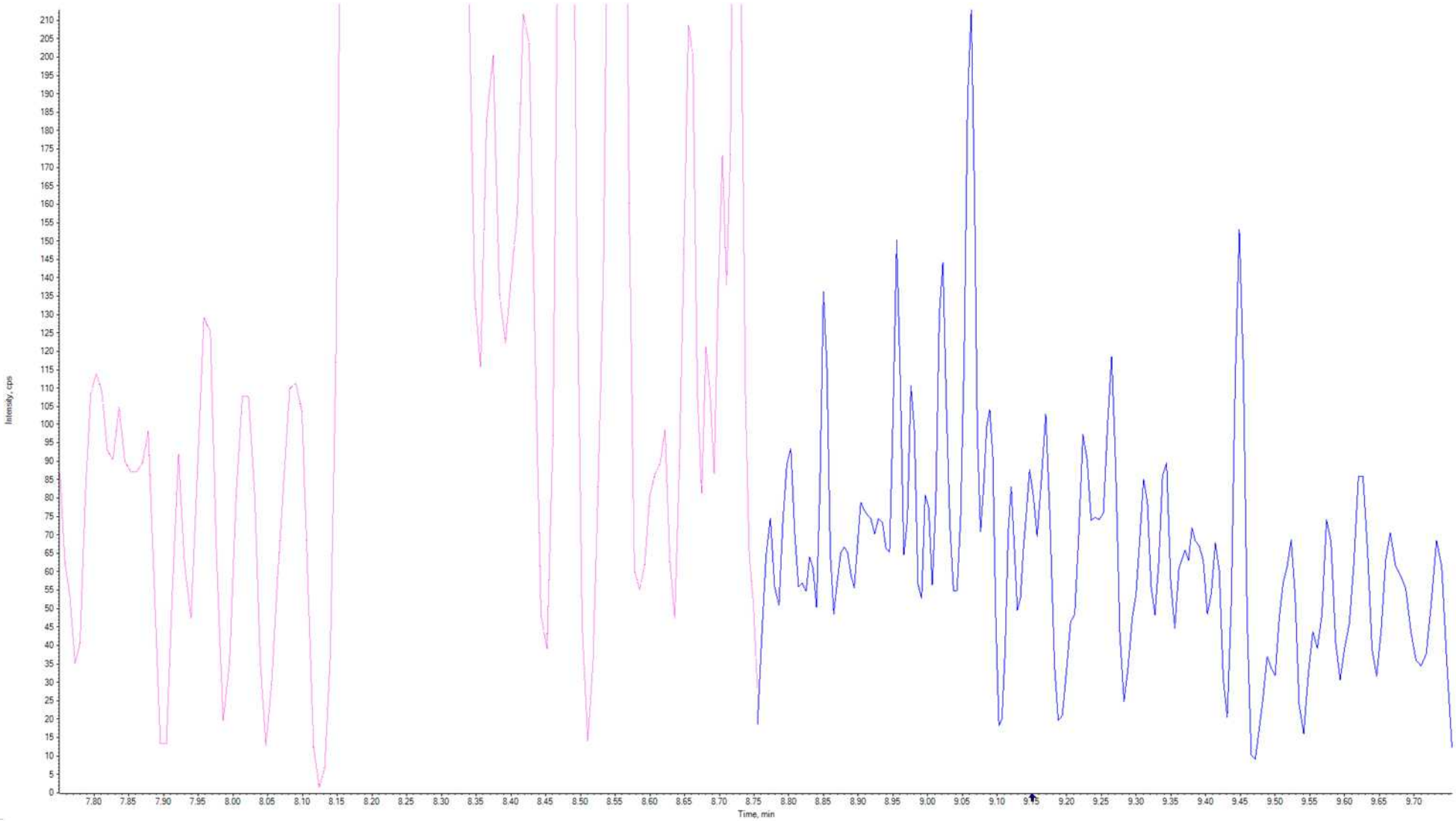
PFDS
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 1:15:28 PM
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PFDS_2
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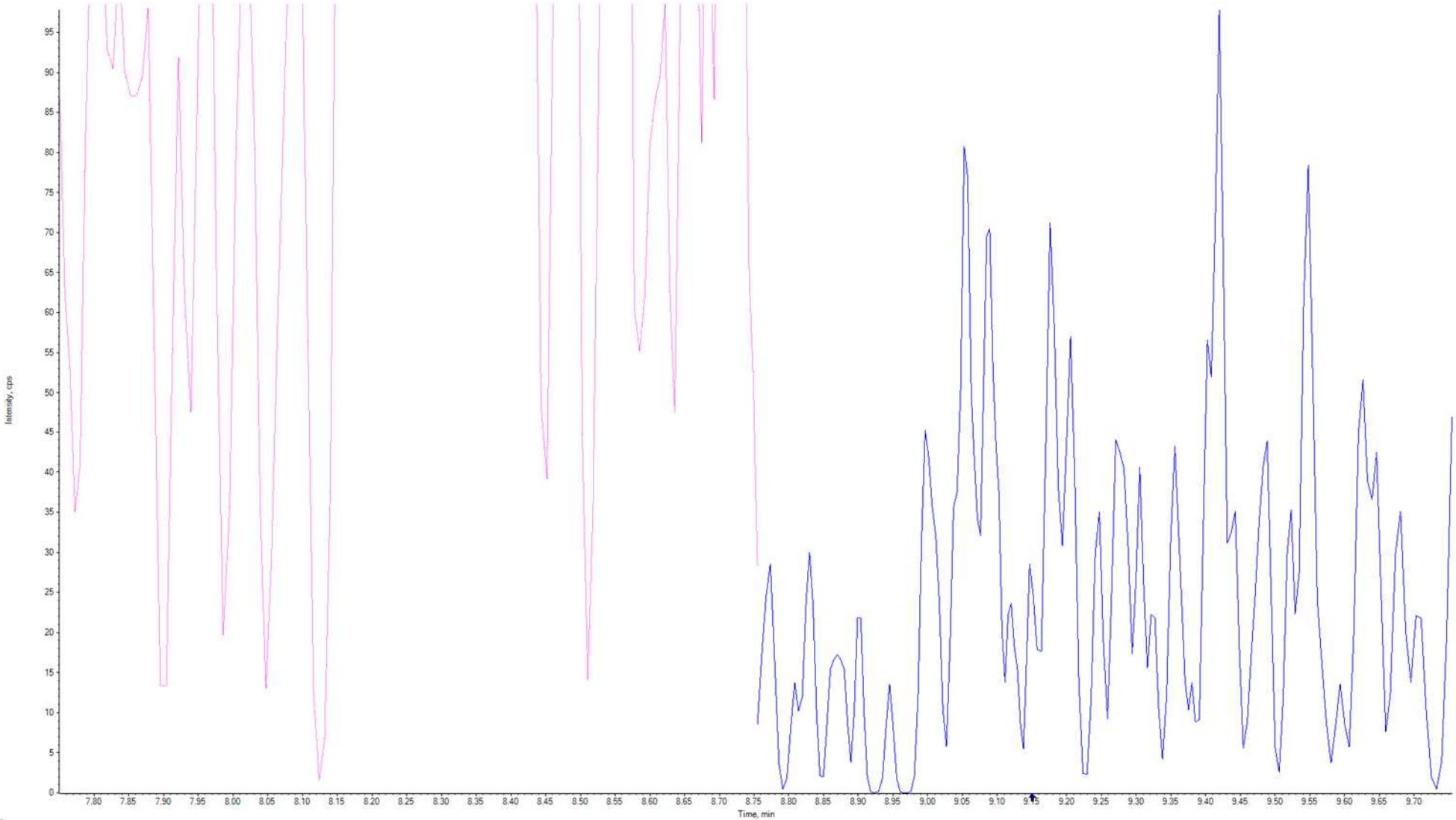

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFDoS
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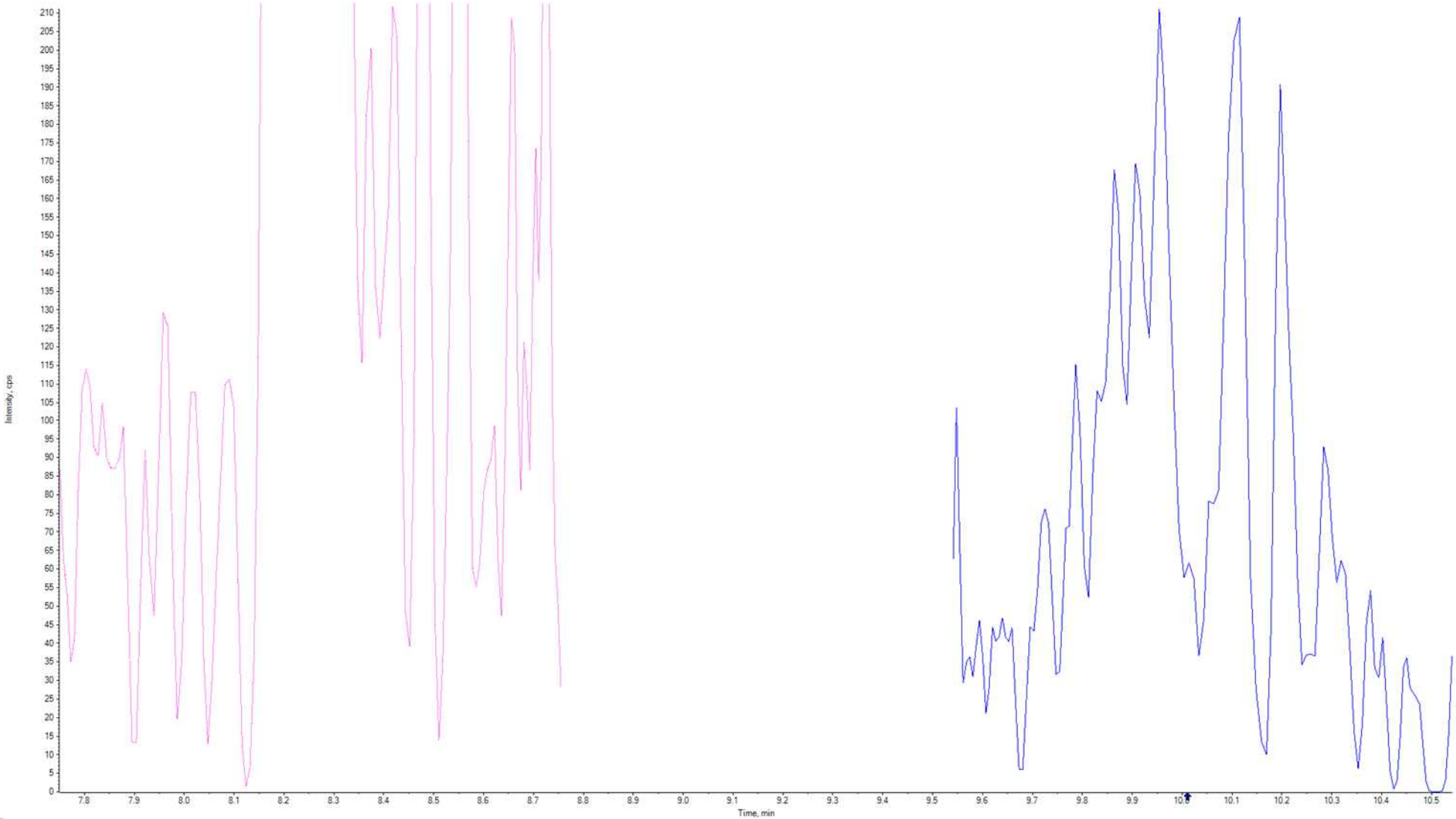

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFDoS_2
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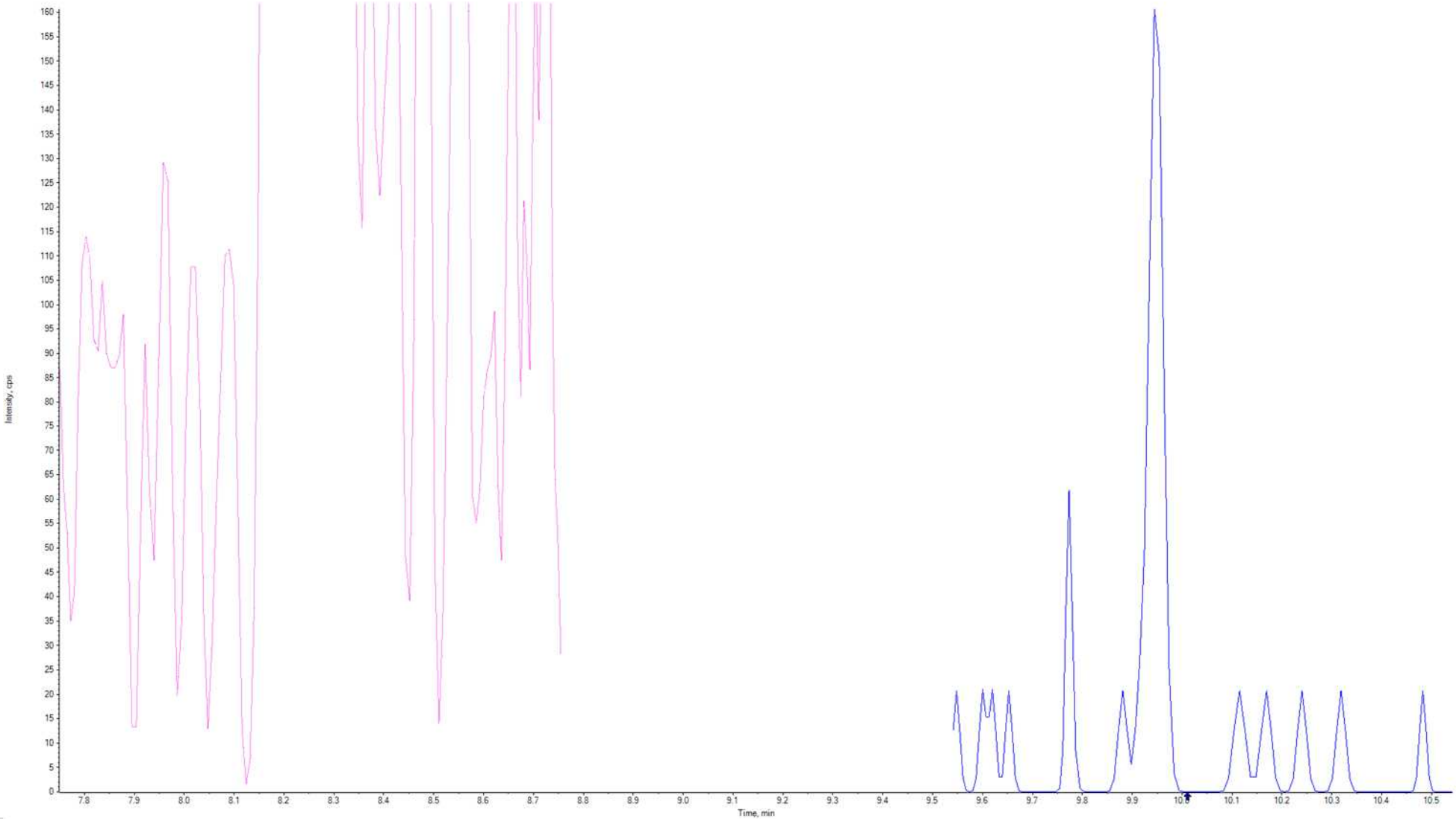

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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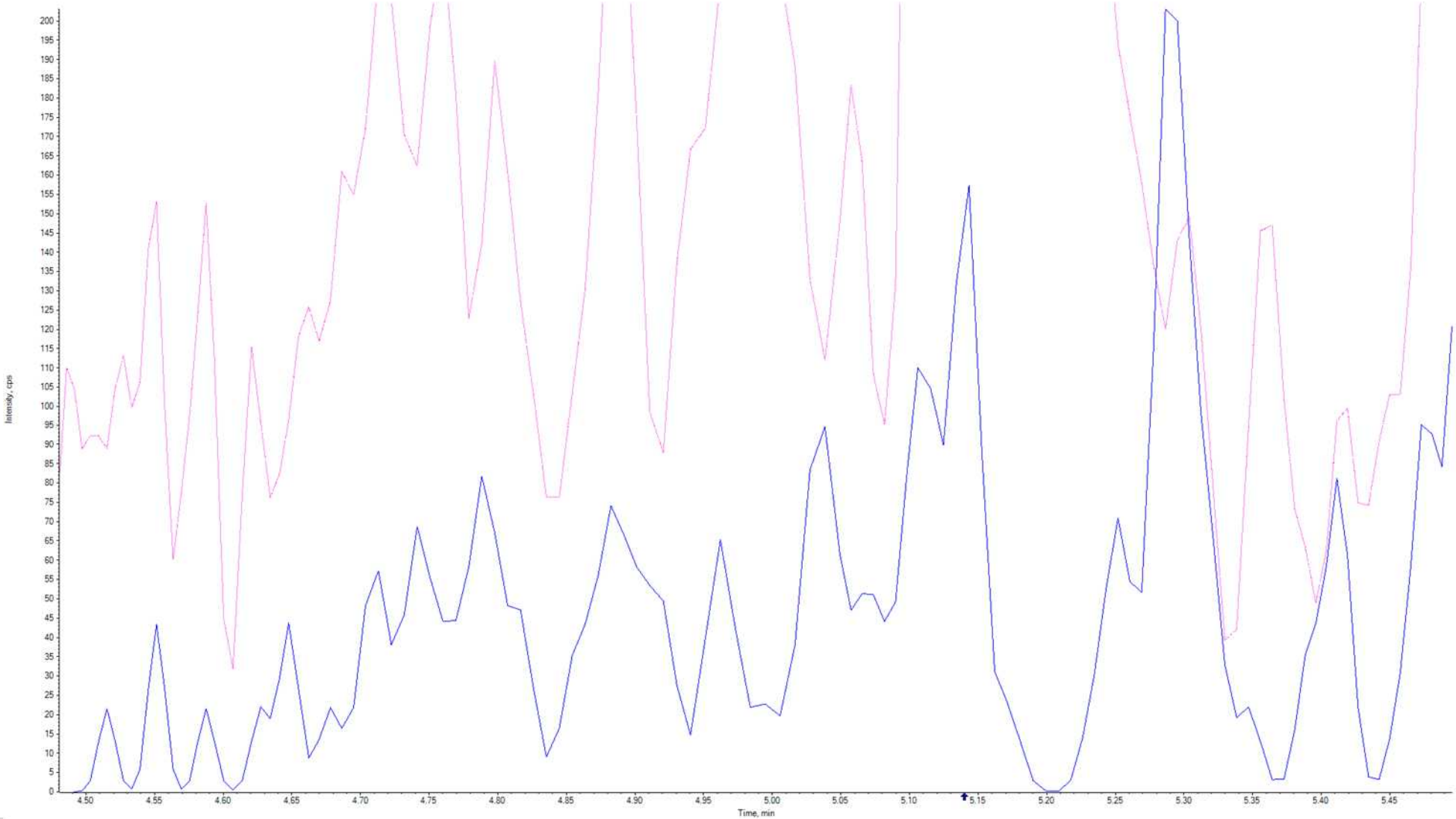
Generated: 9/17/2024 11:31:06 AM

4:2FTS
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/17/2024 1:15:28 PM
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4:2FTS_2
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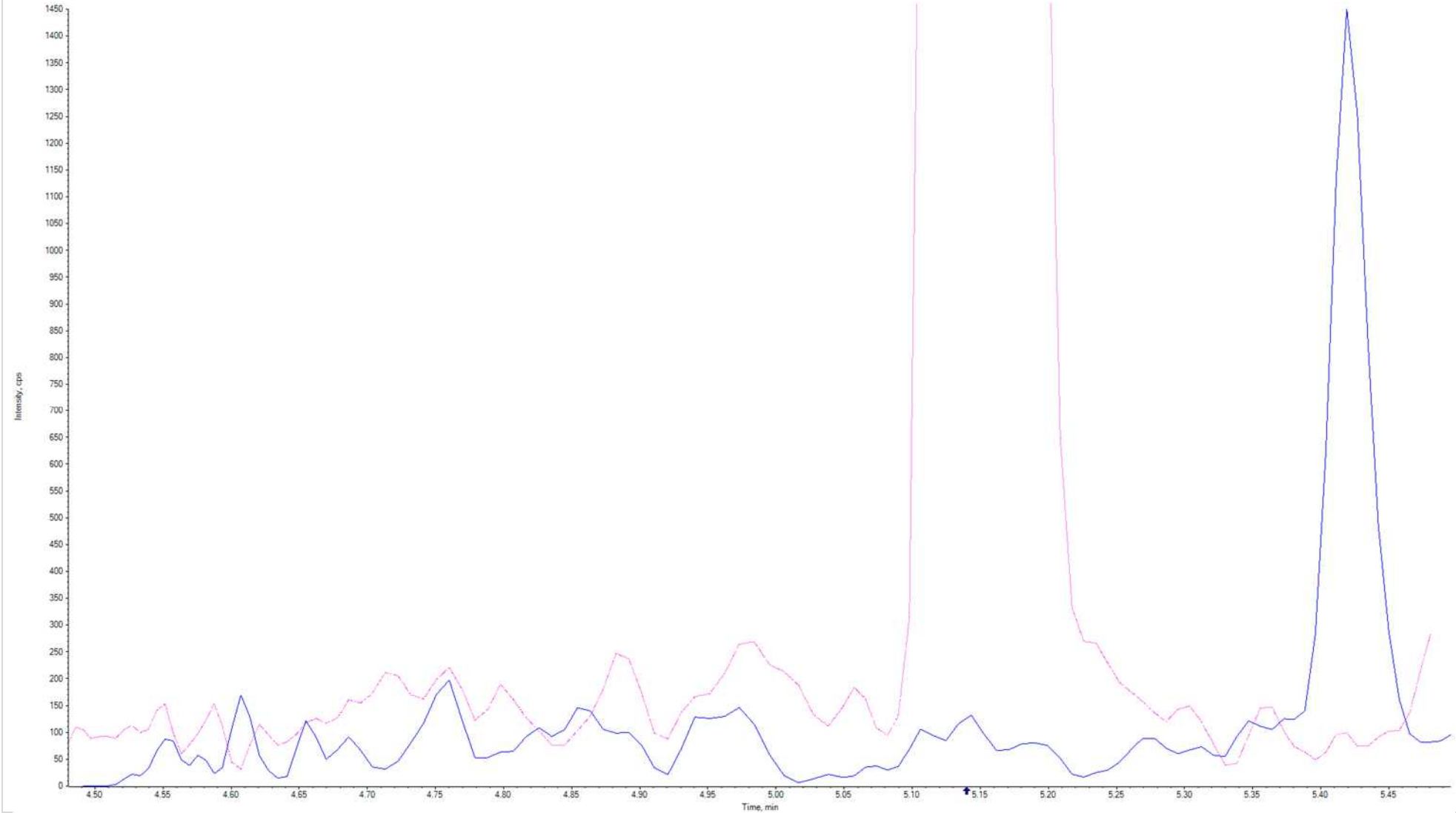

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 1:15:28 PM
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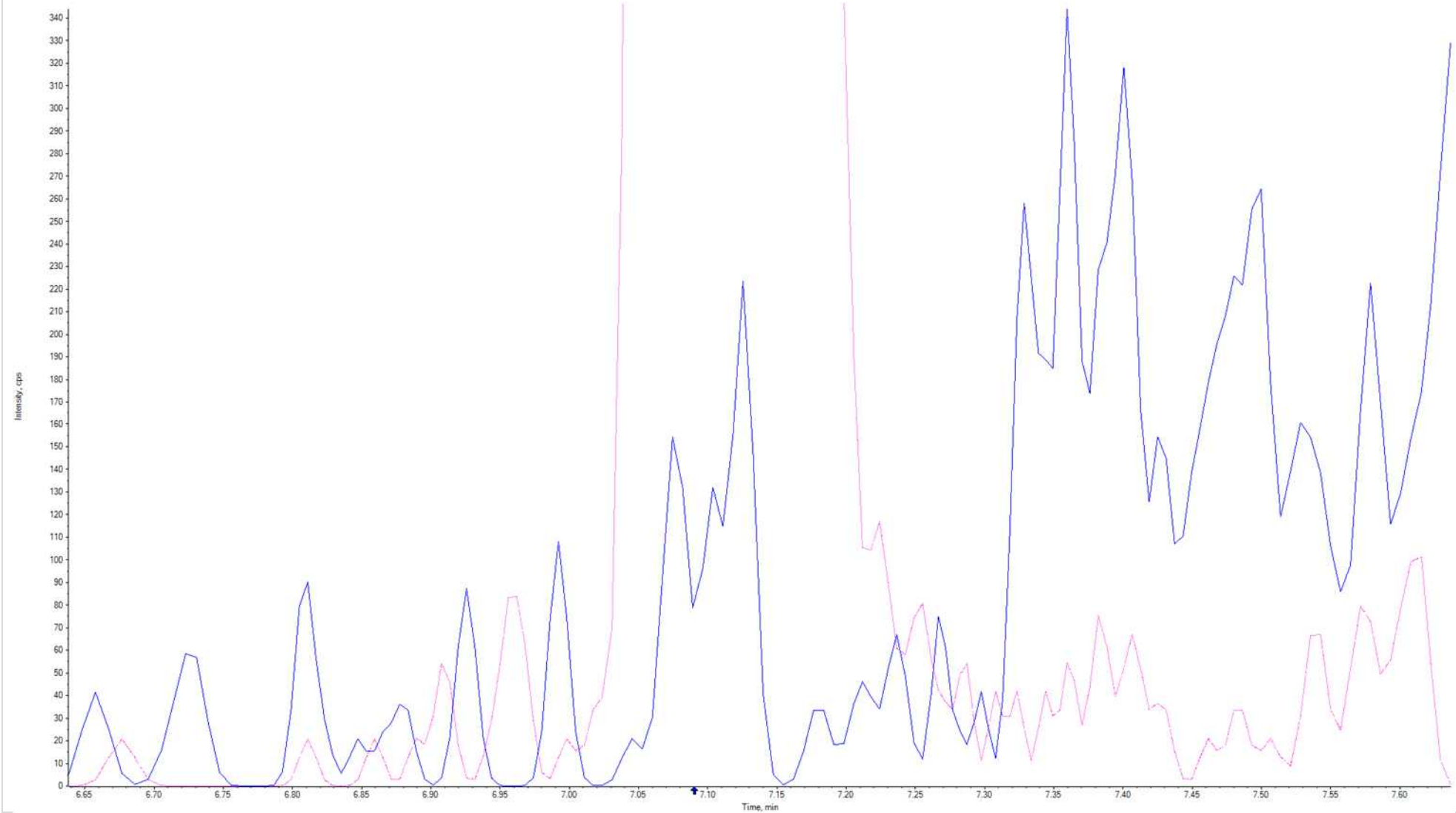
6:2FTS
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



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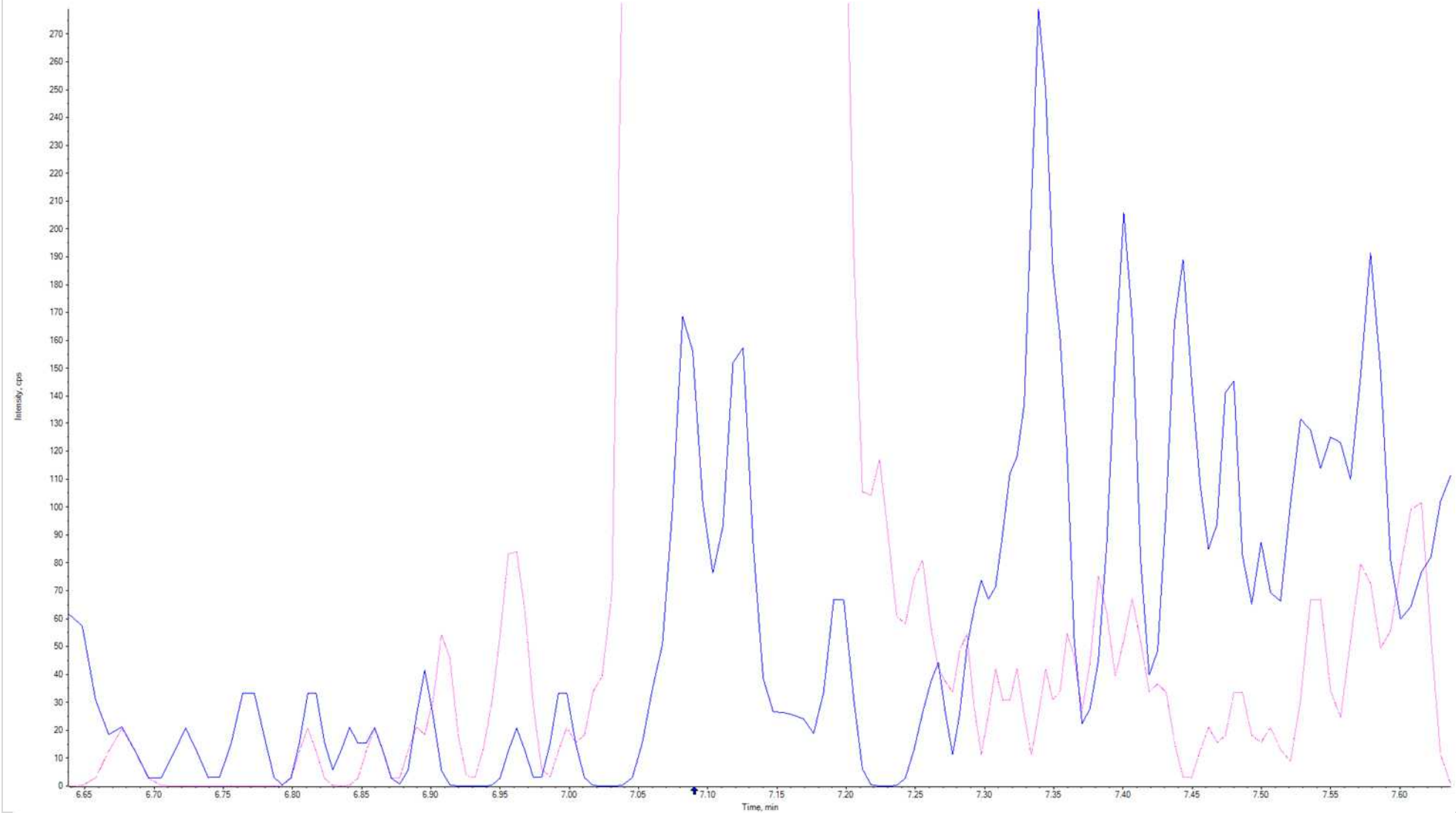

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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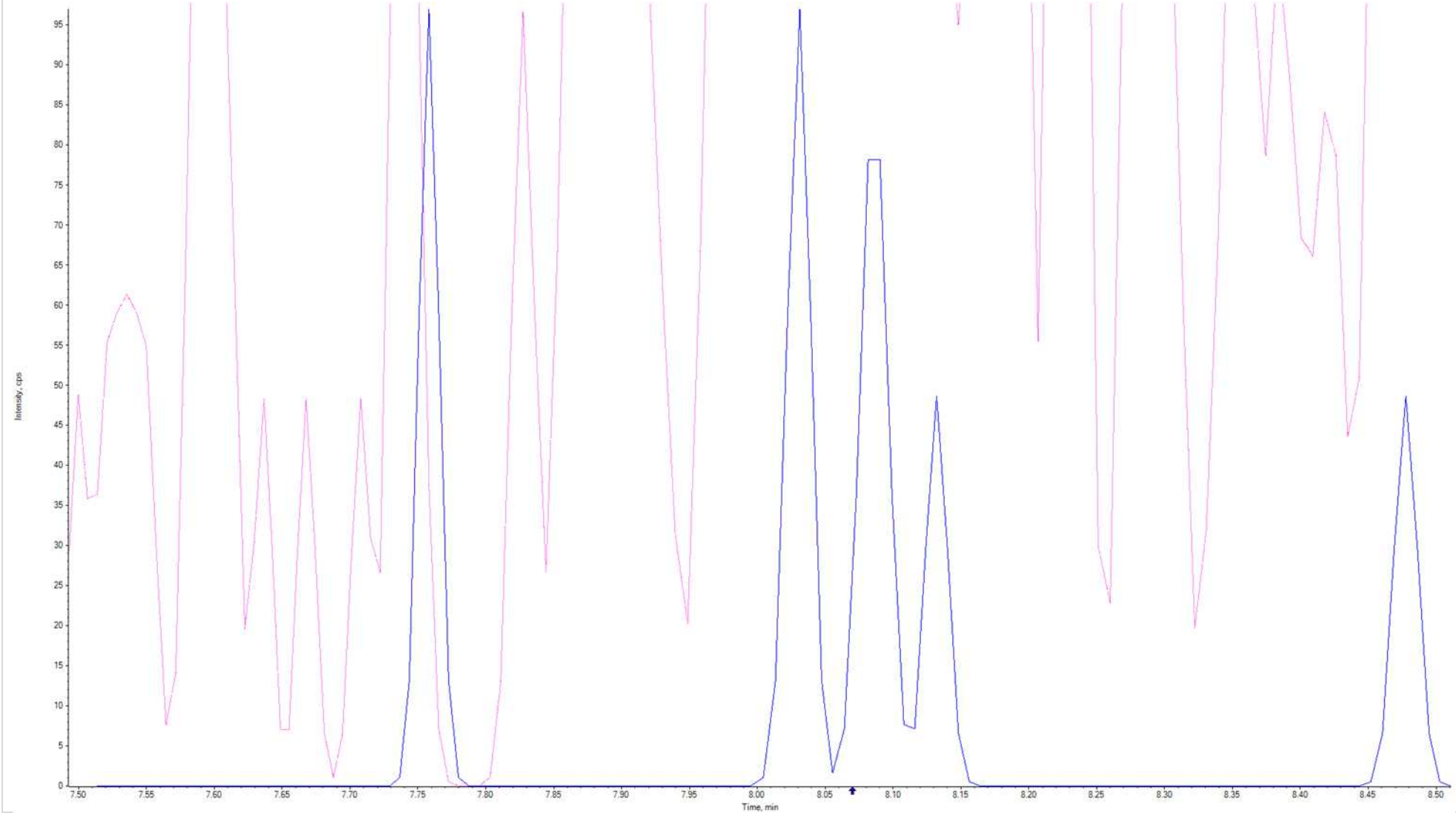
Last Altered: 9/17/2024 1:15:28 PM
Generated: 9/17/2024 11:31:06 AM

8:2FTS
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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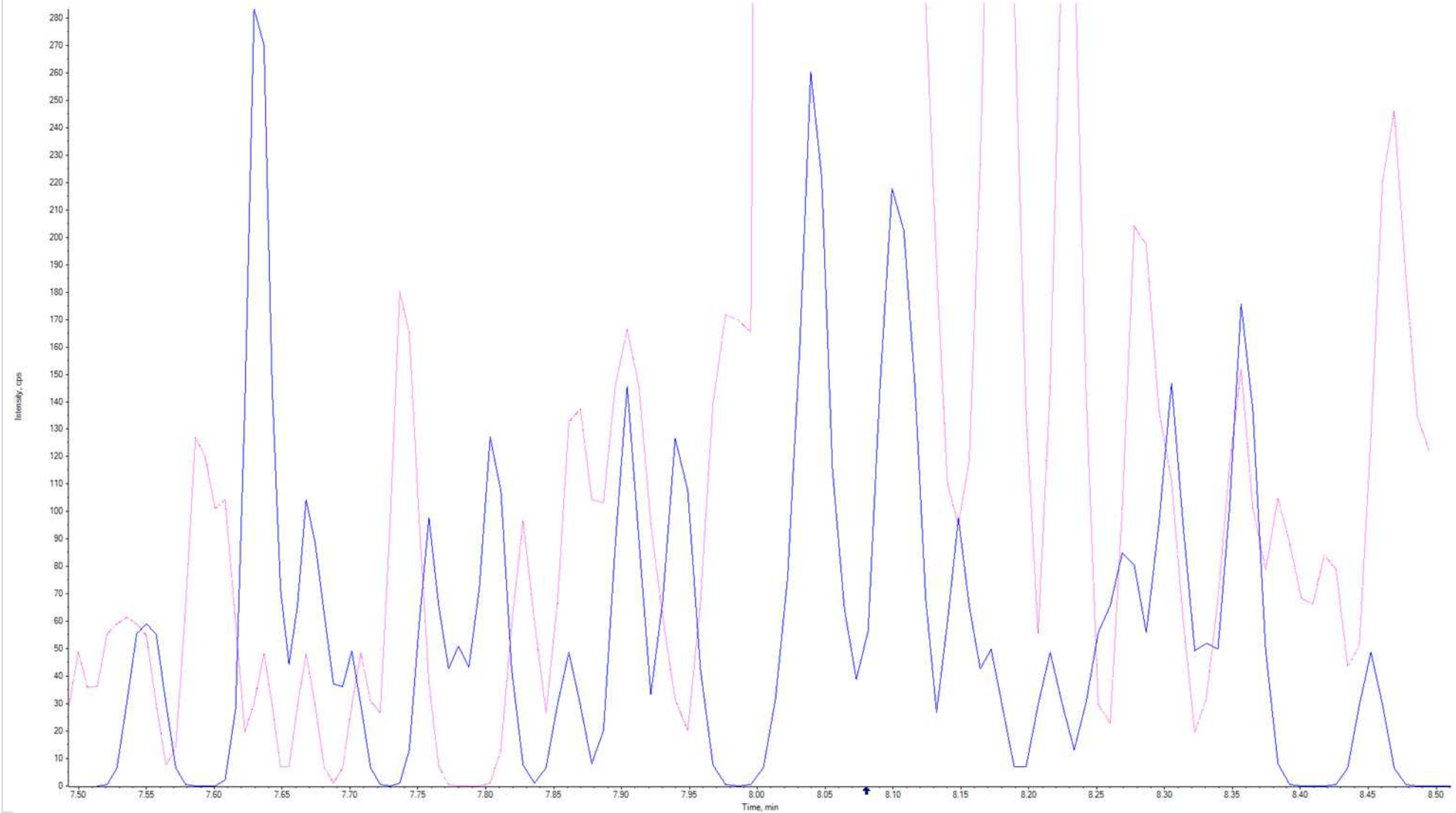
8:2FTS_2
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/17/2024 1:15:28 PM
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PFOSA
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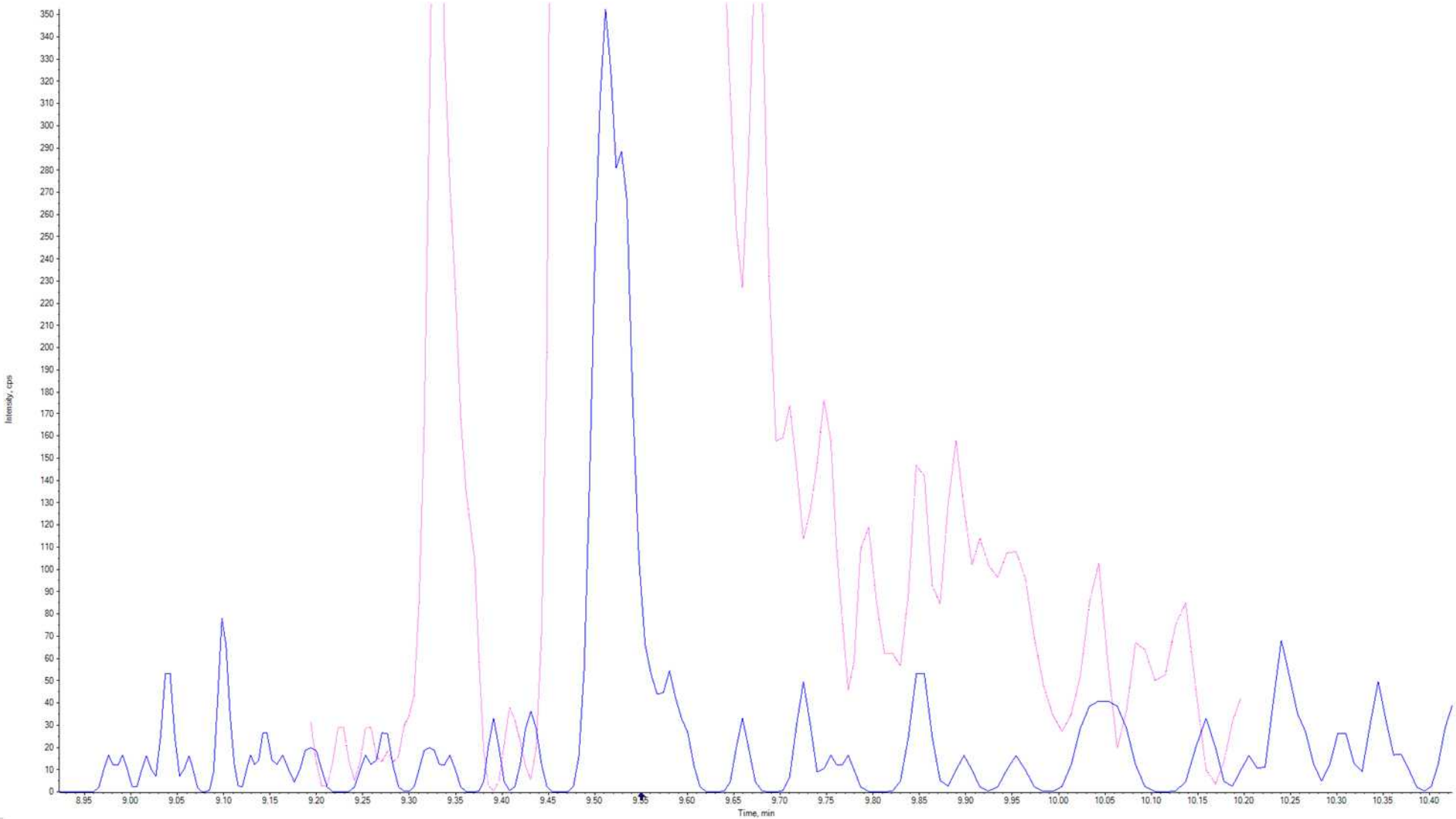

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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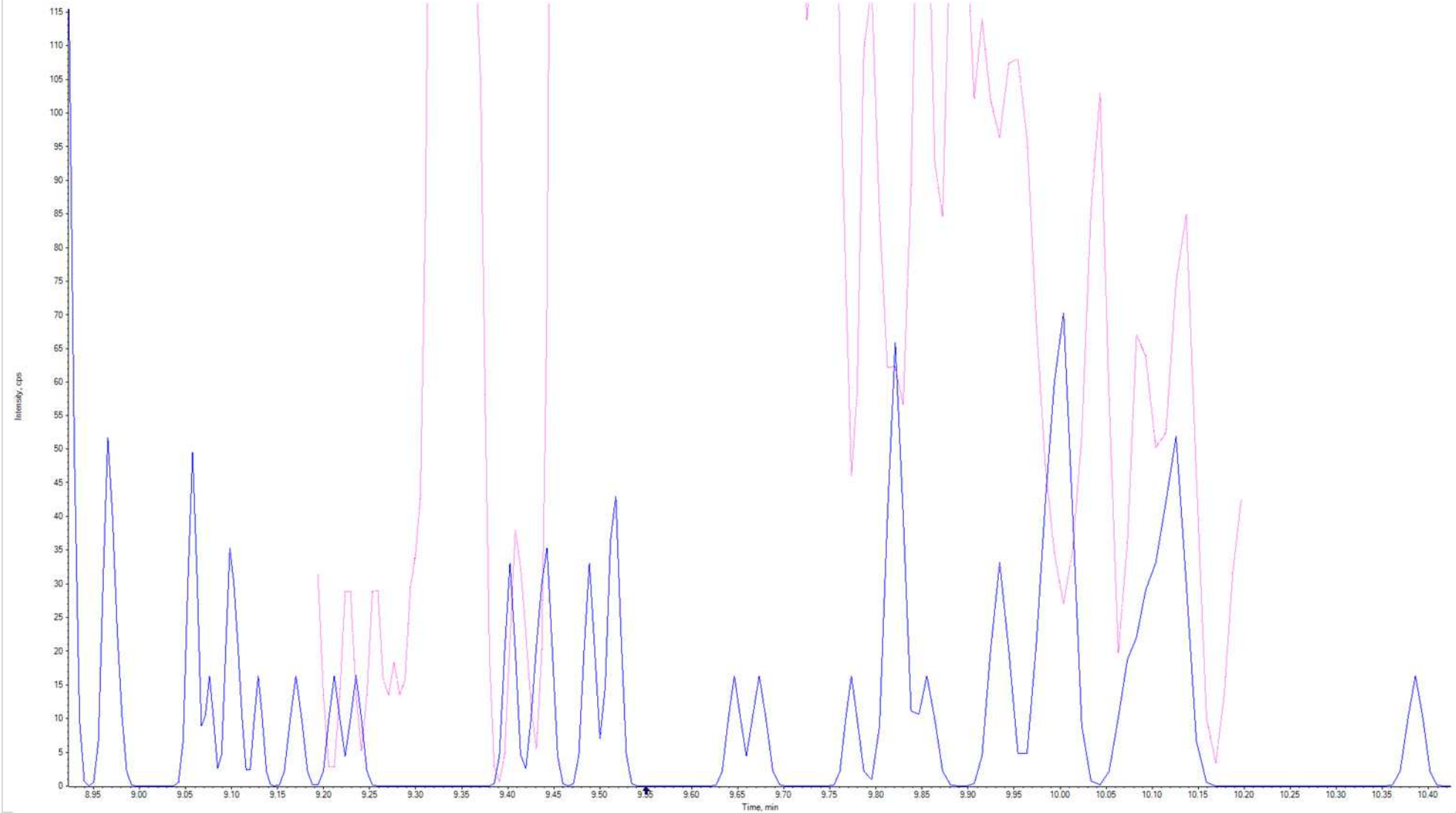
PFOSA_2
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



NMeFOSA
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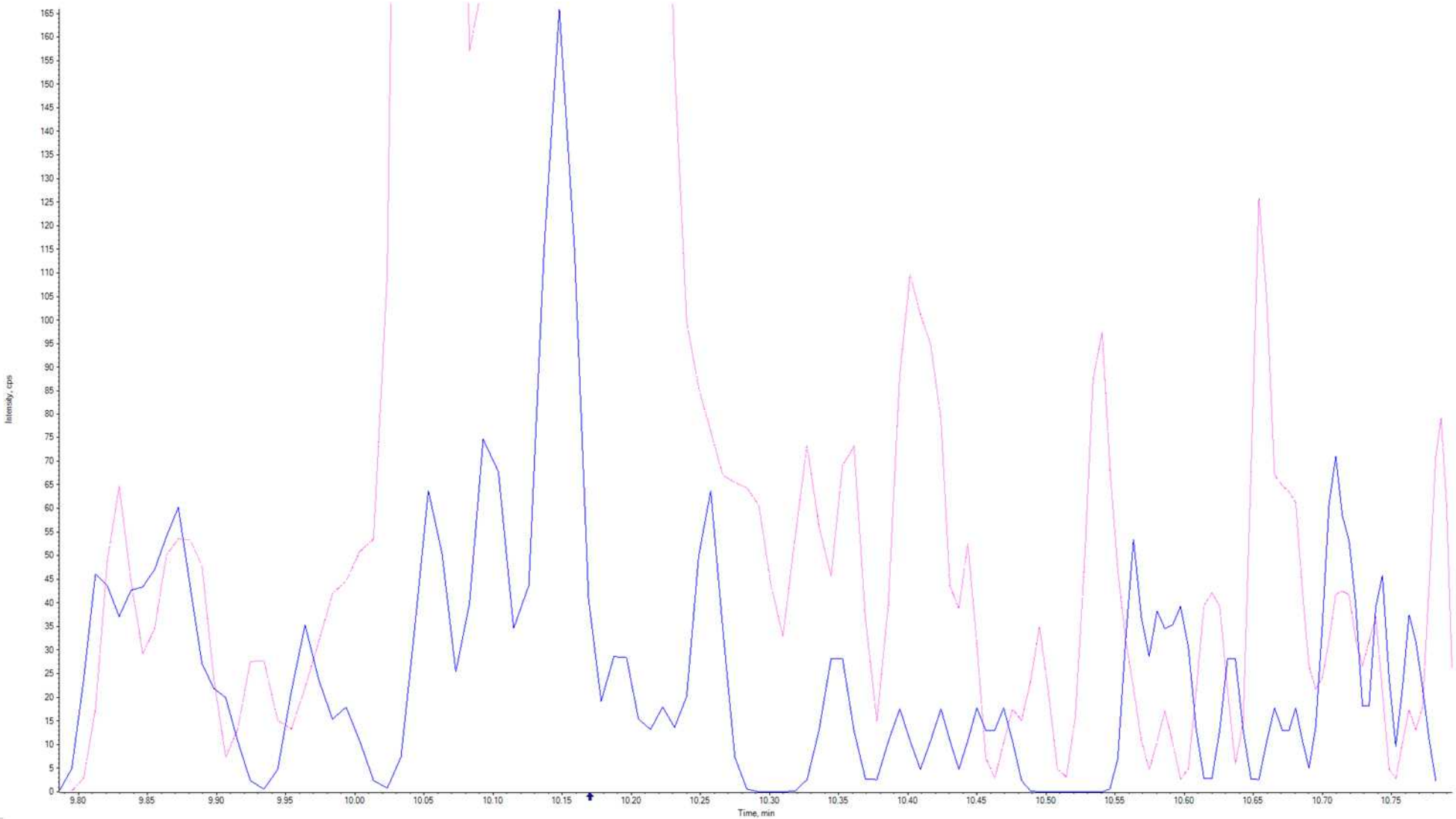

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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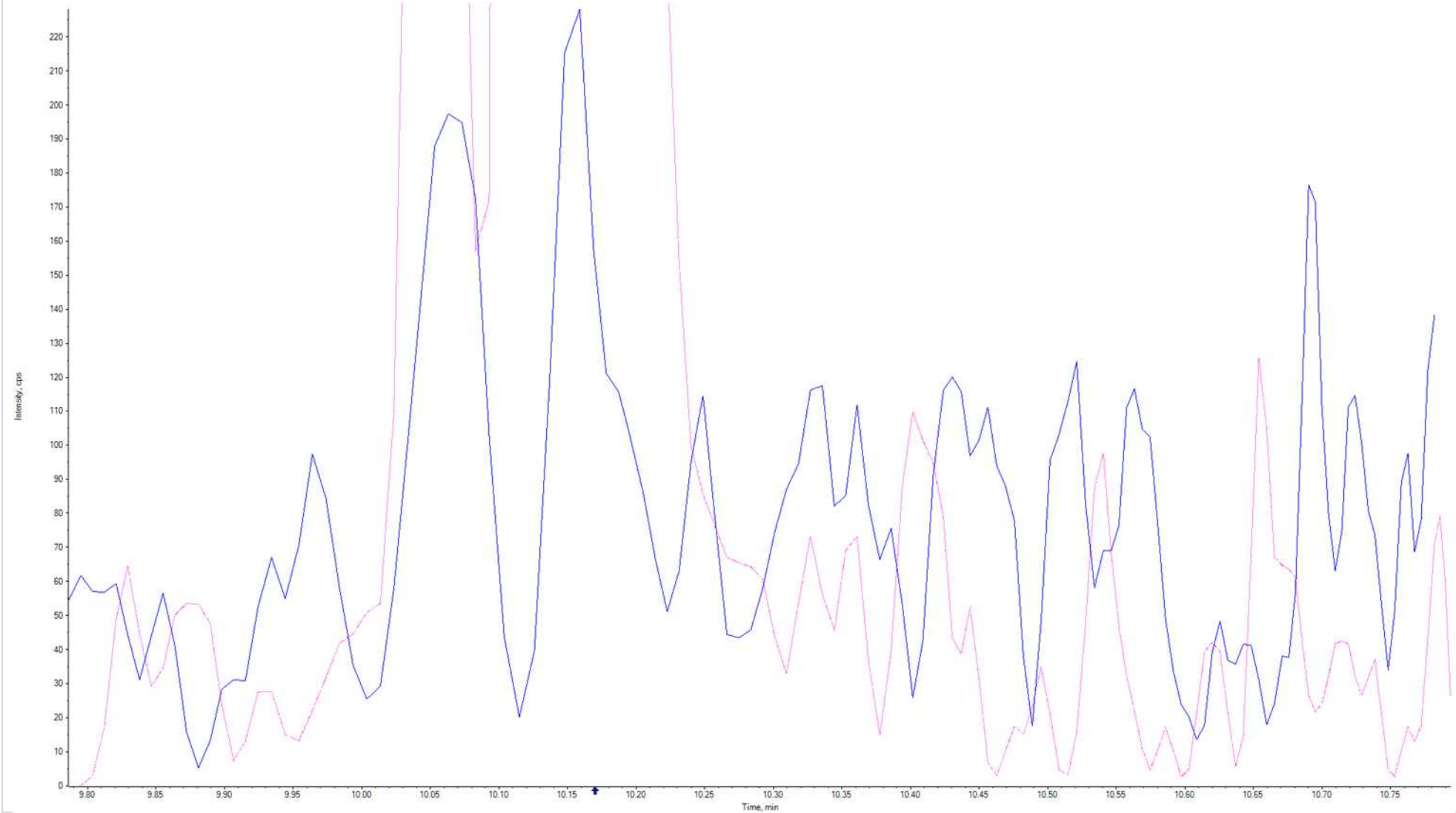

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NEtFOSA
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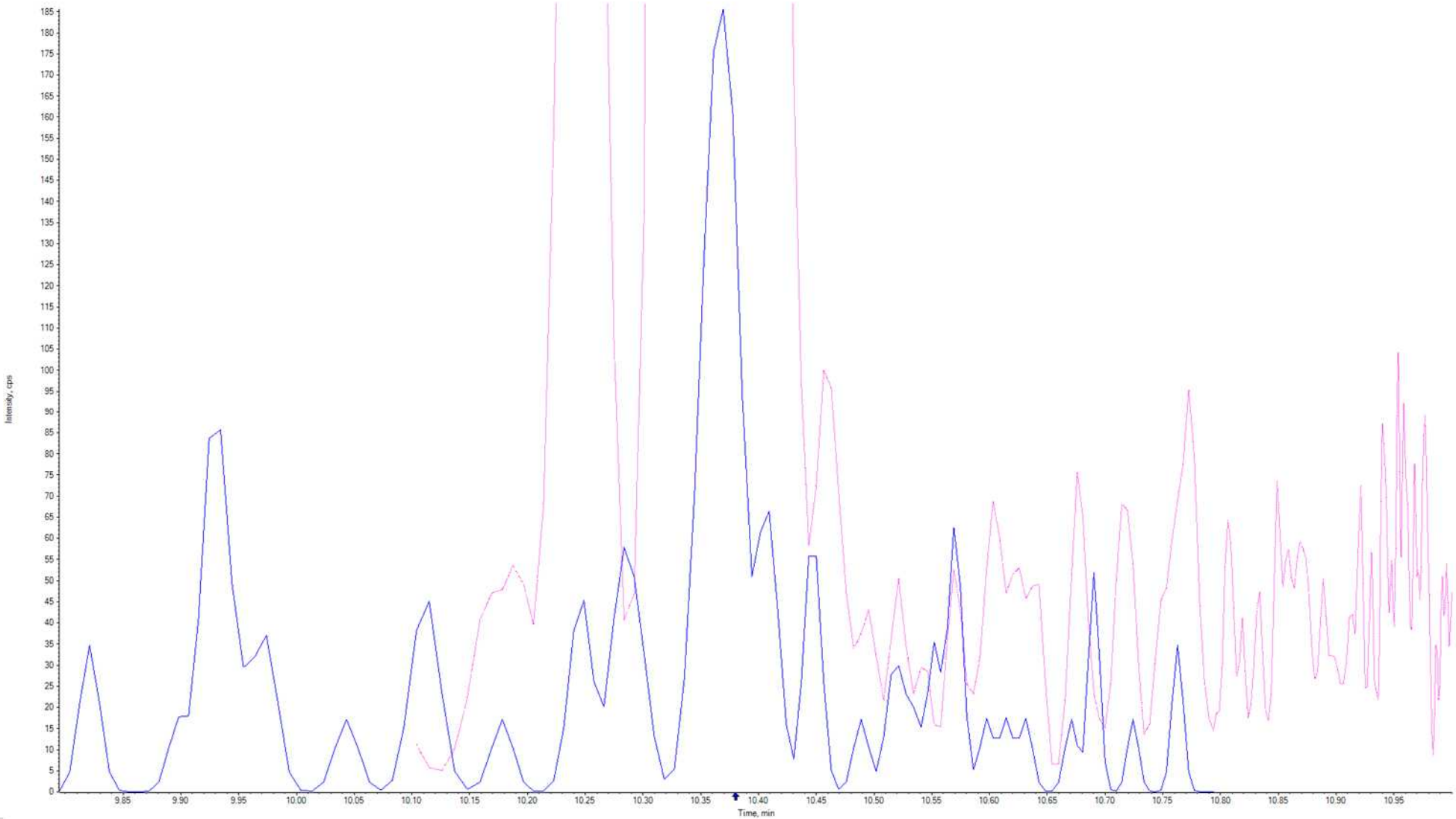

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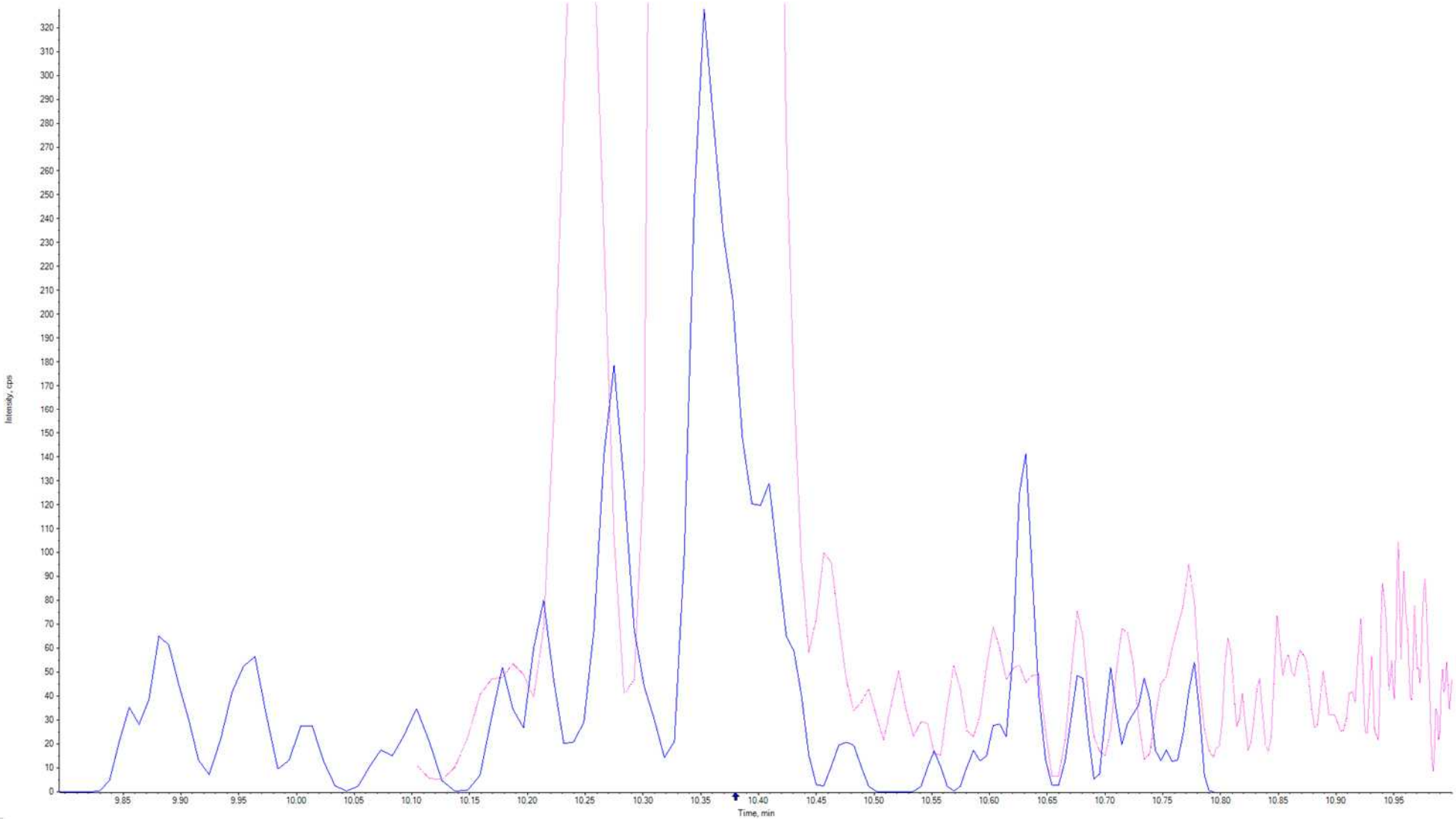

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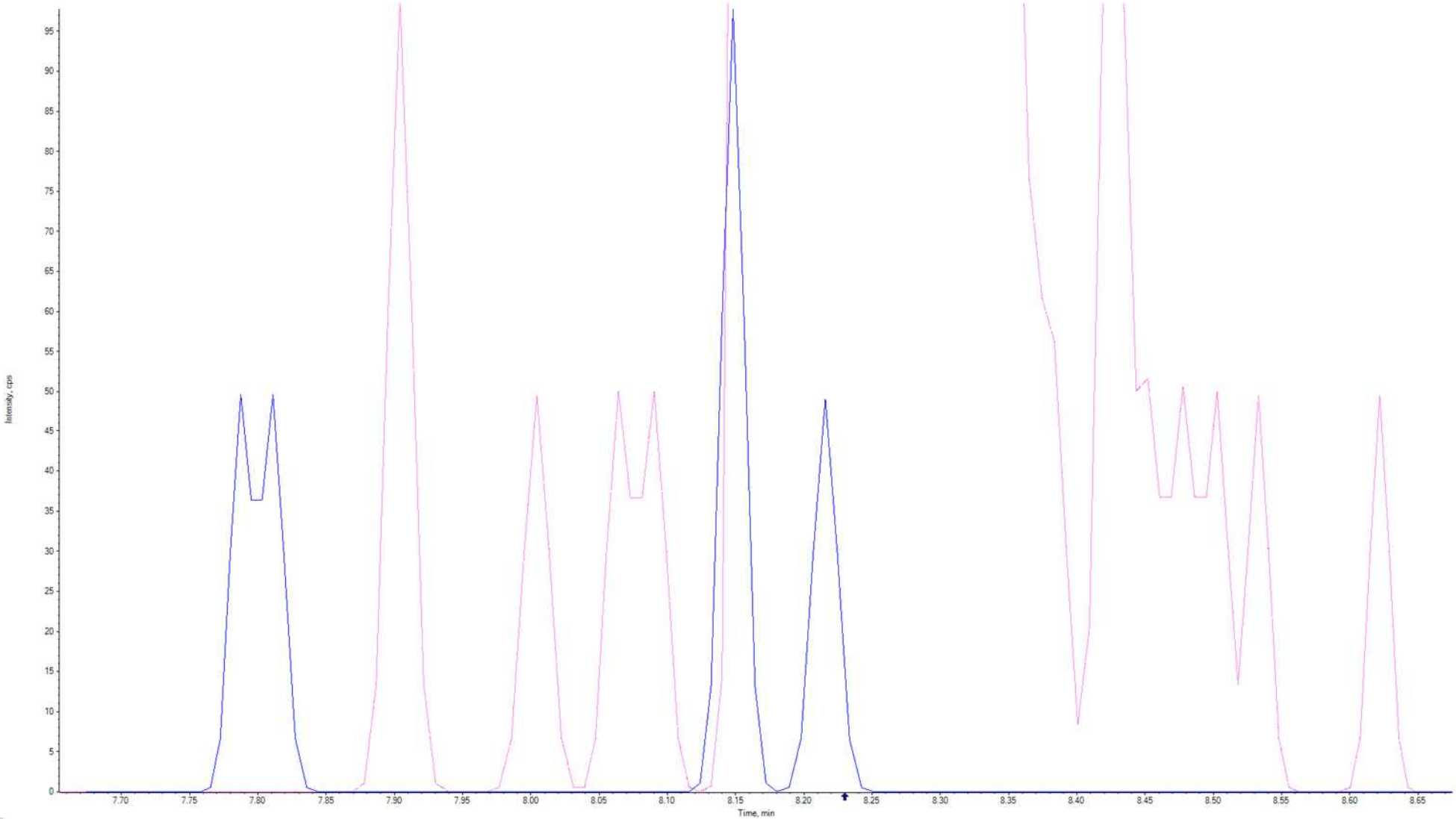

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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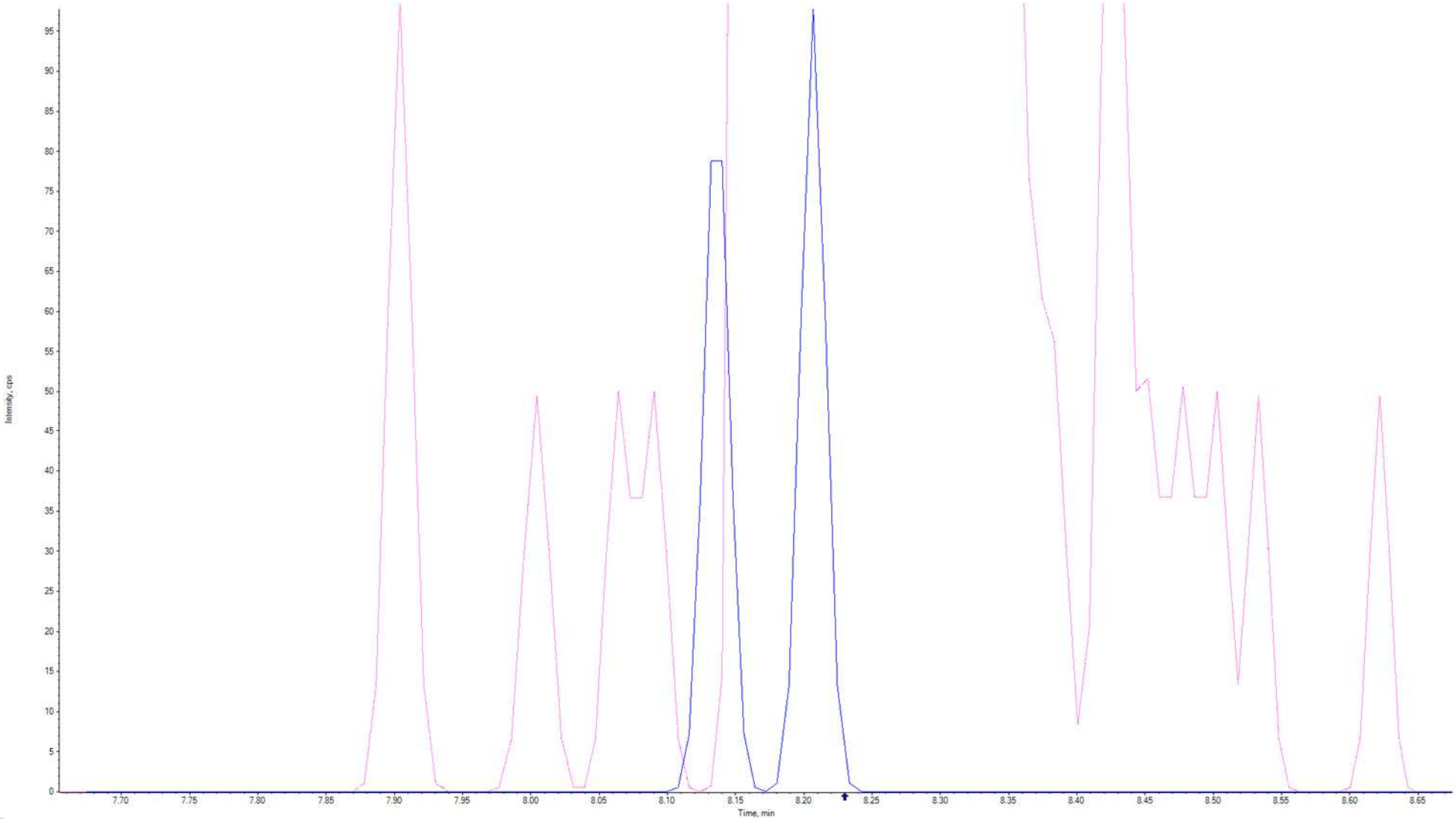

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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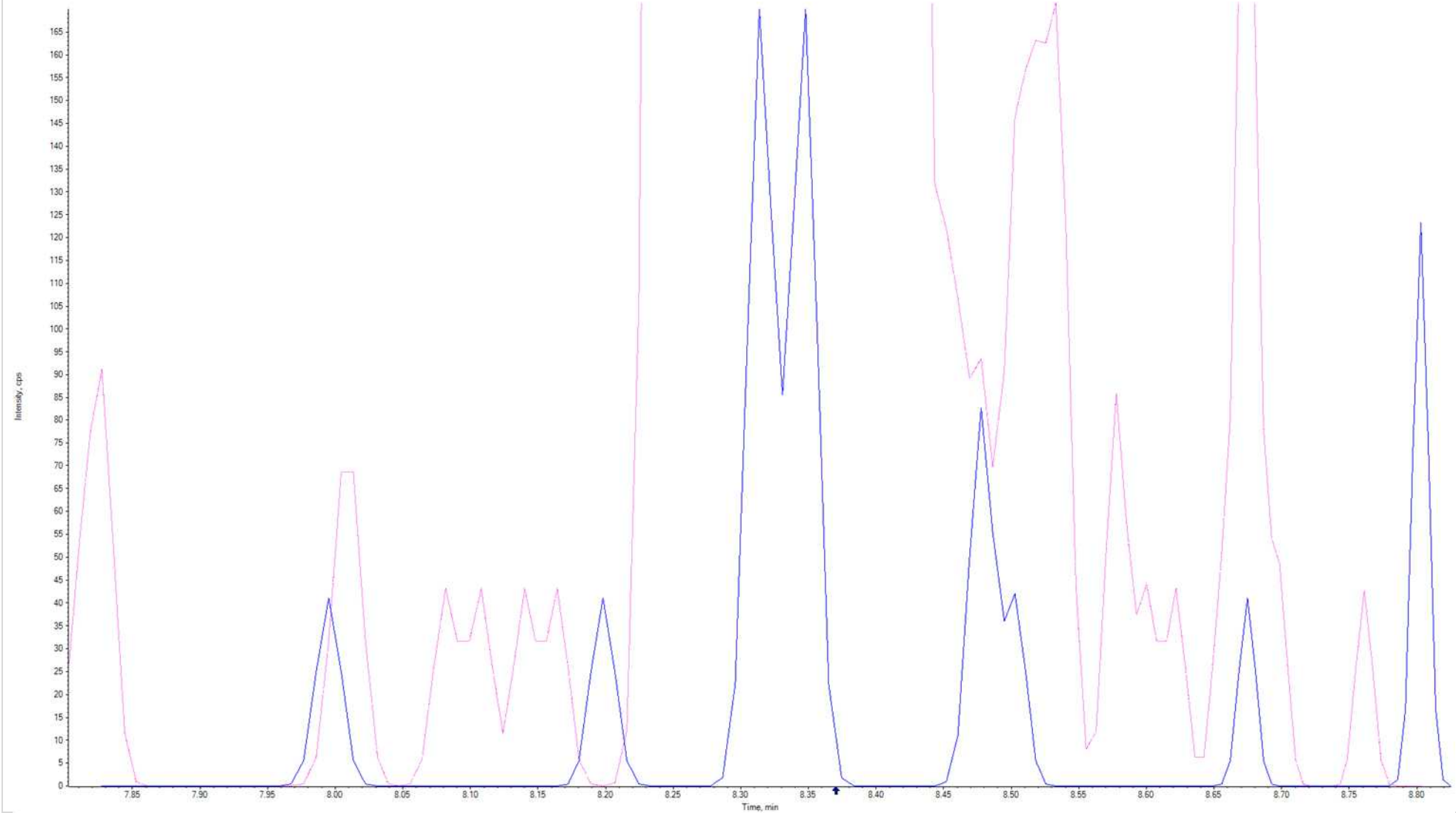

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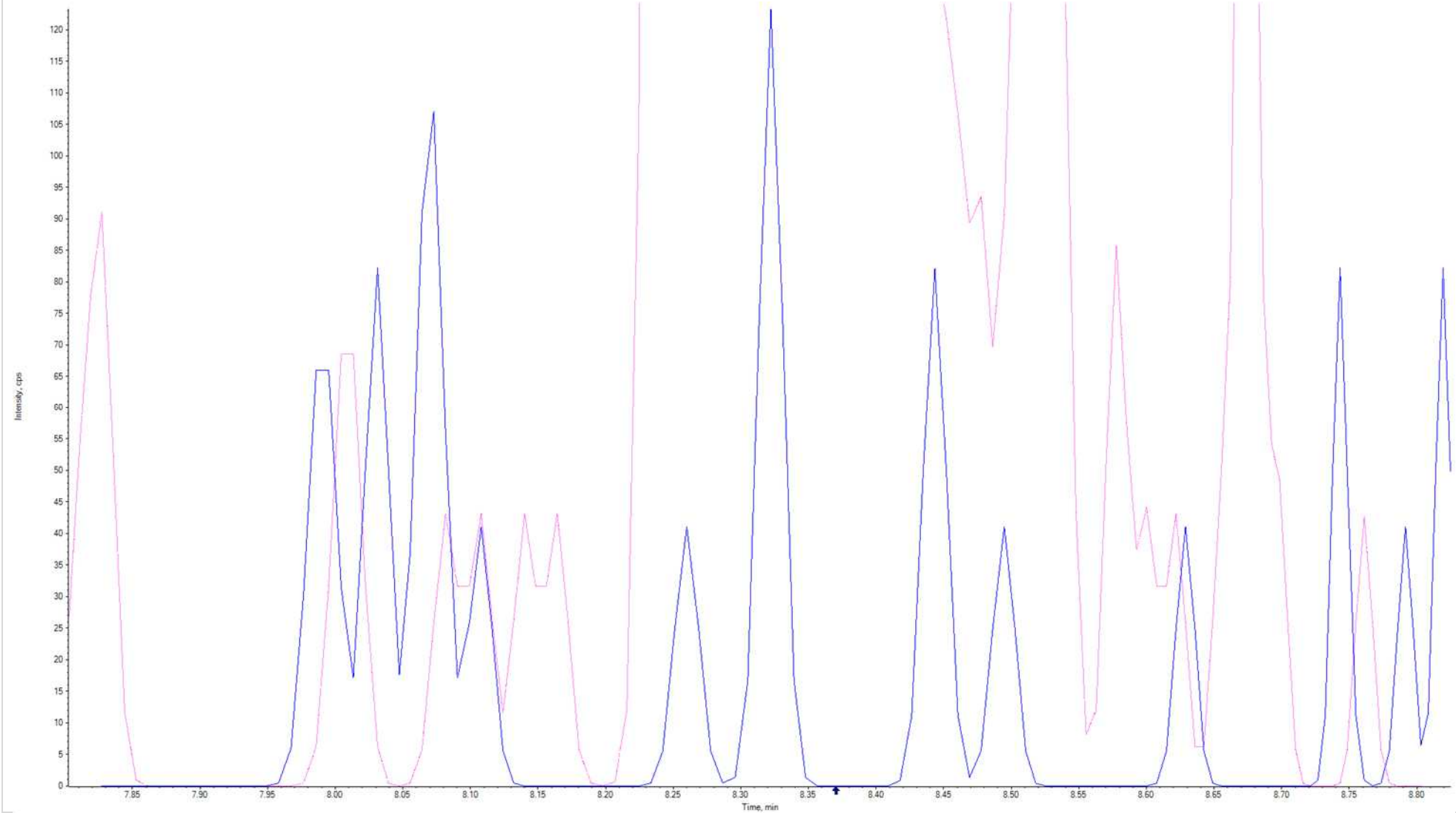

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NMeFOSE
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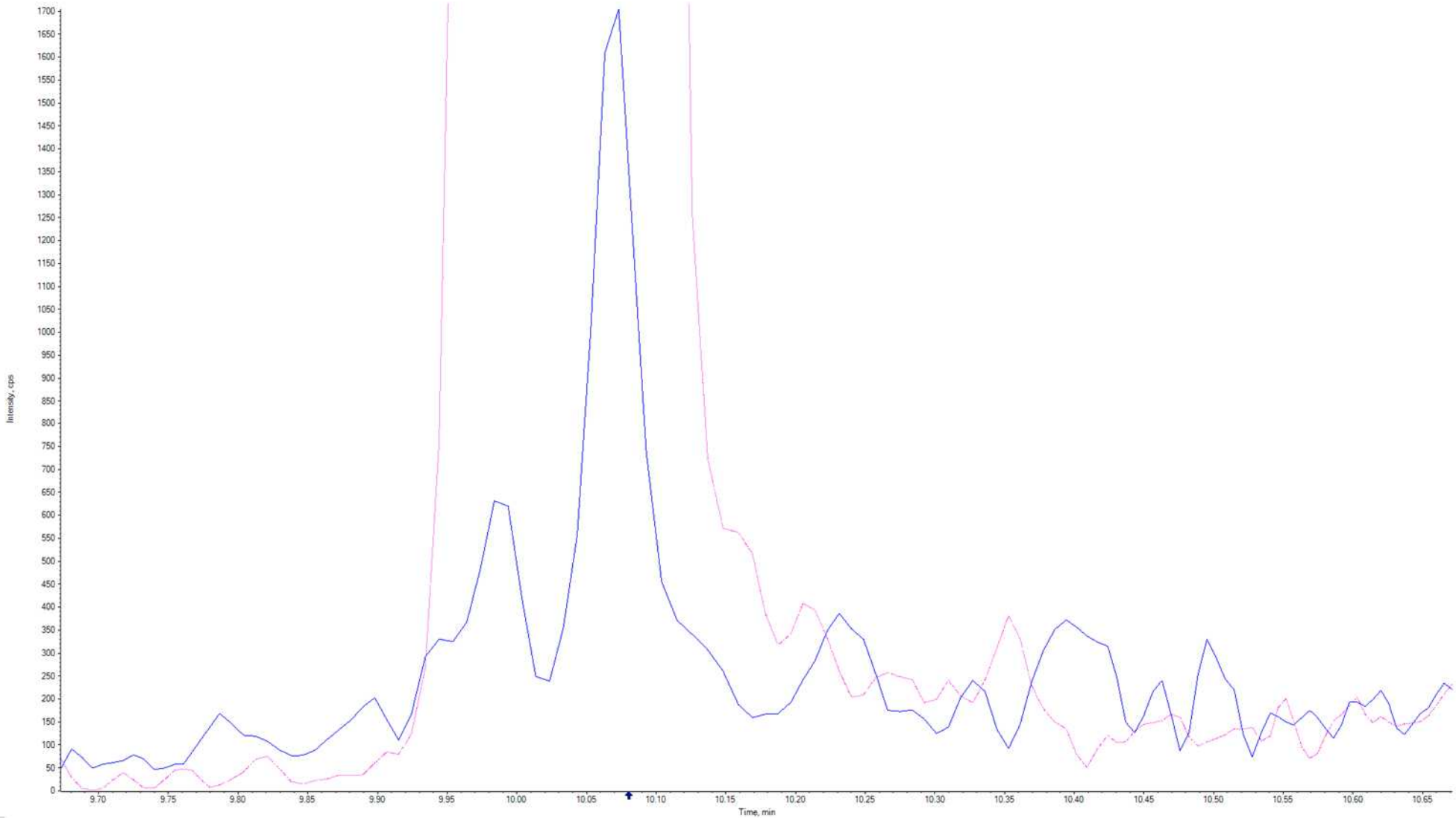

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NEtFOSE
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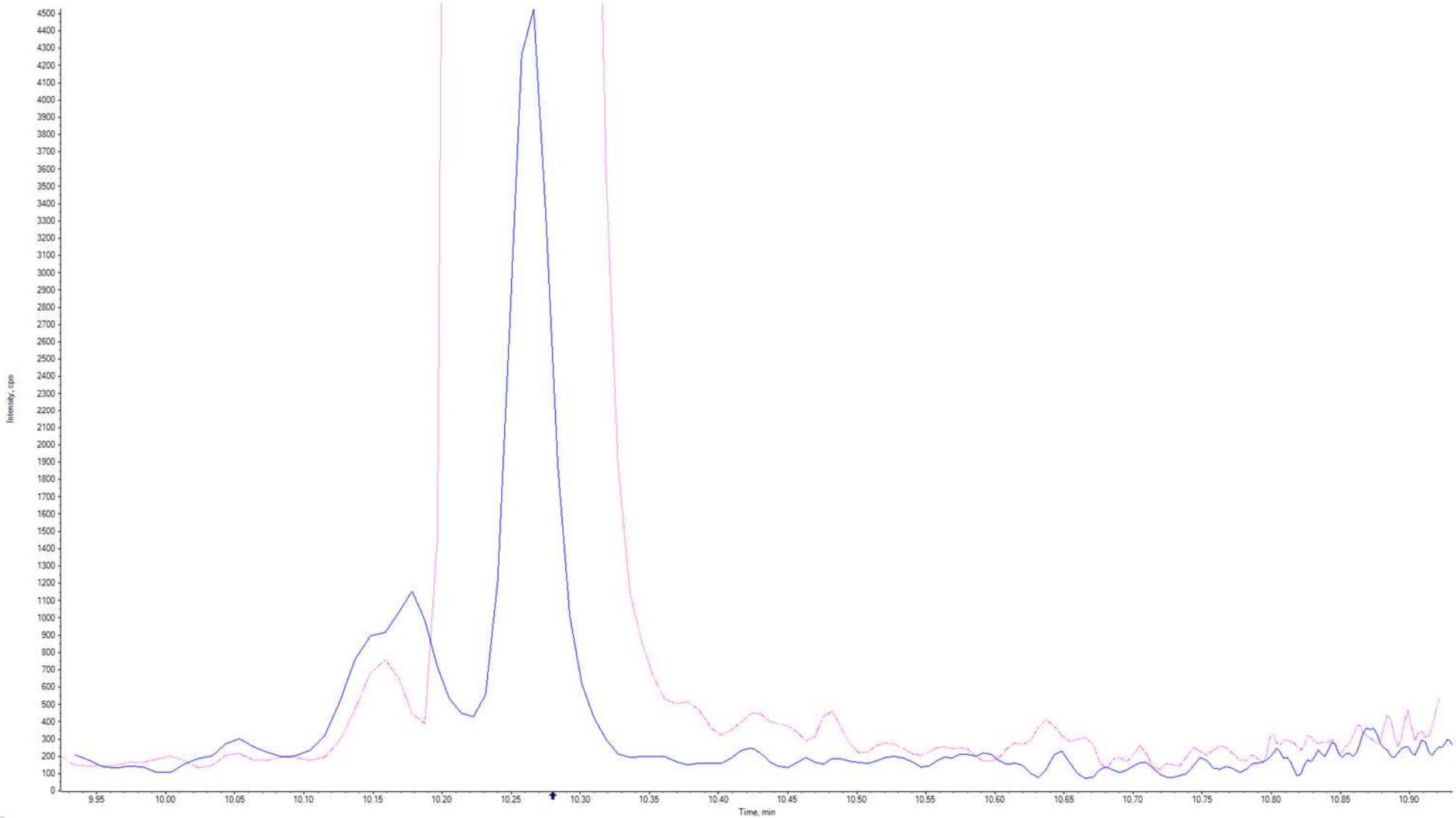

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HFPO-DA
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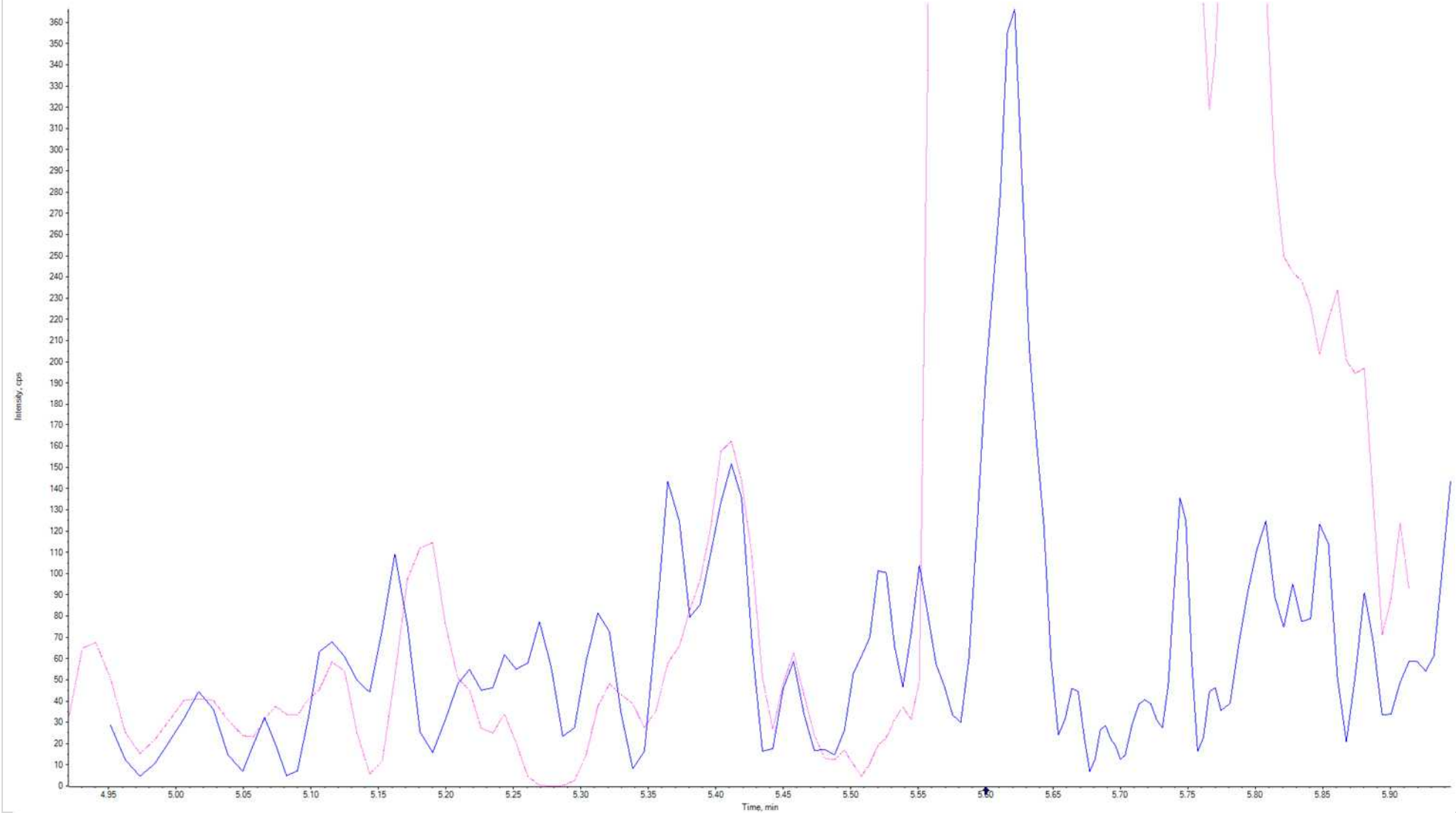

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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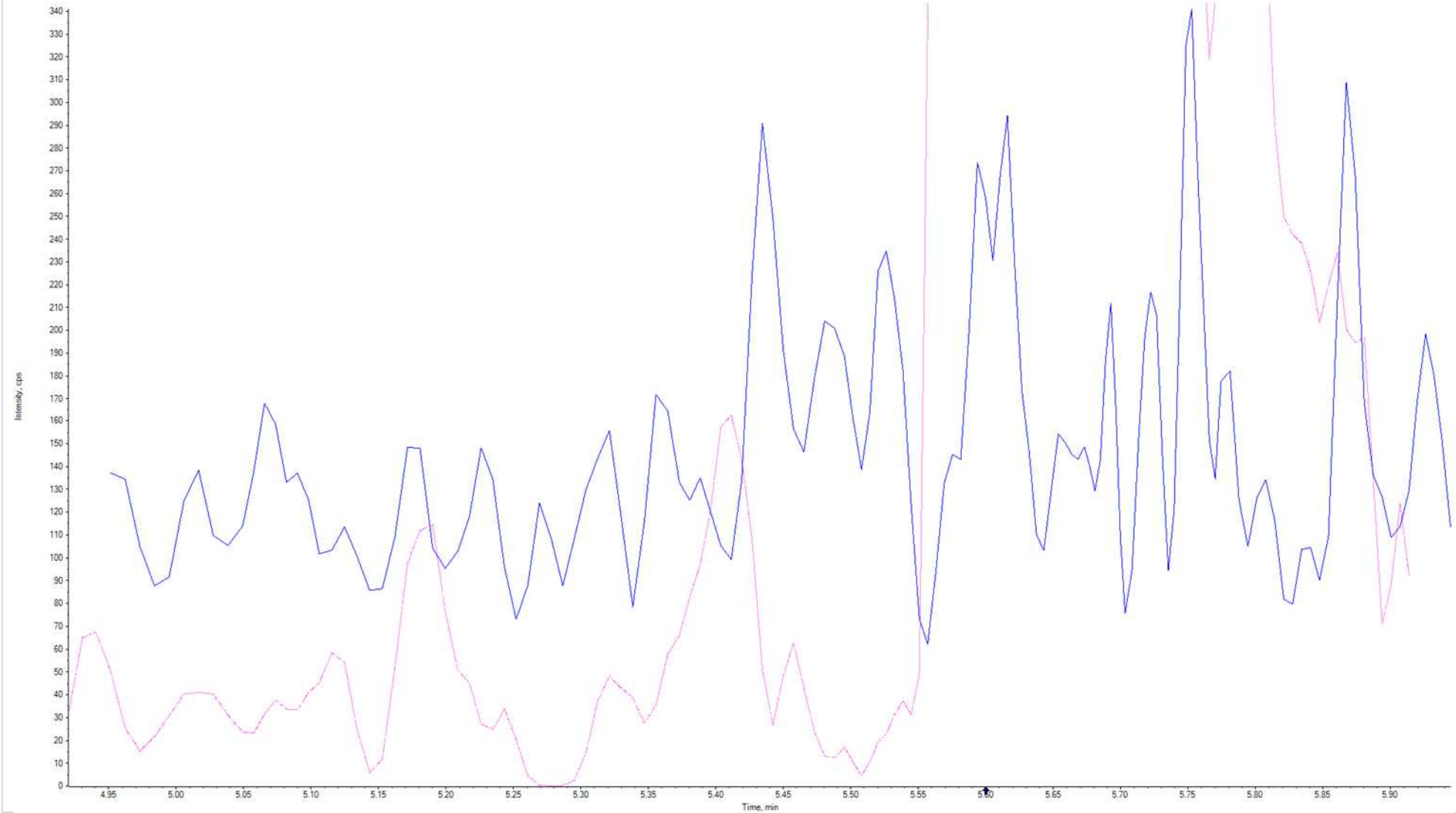
HFPO-DA_2
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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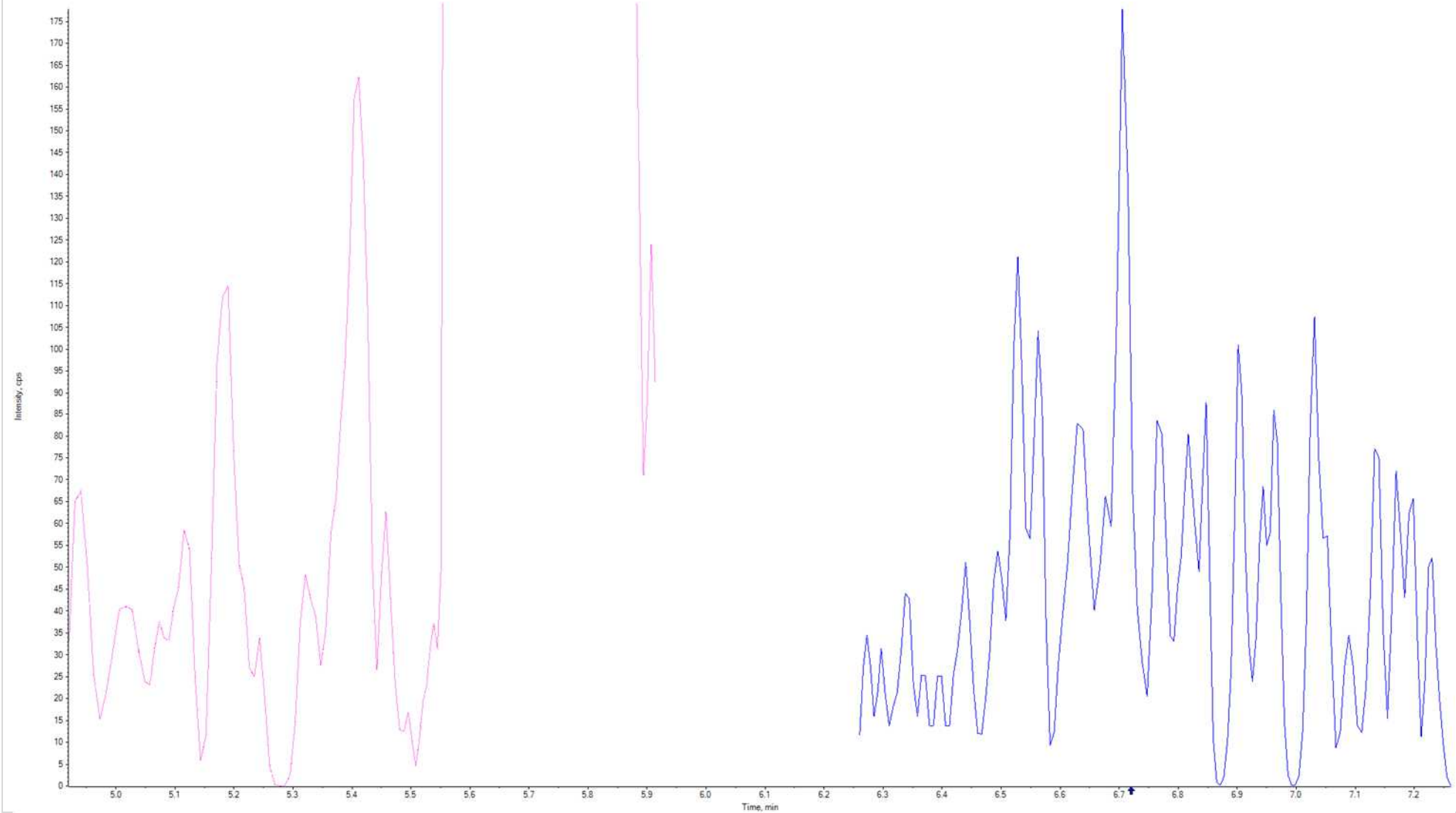
ADONA
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



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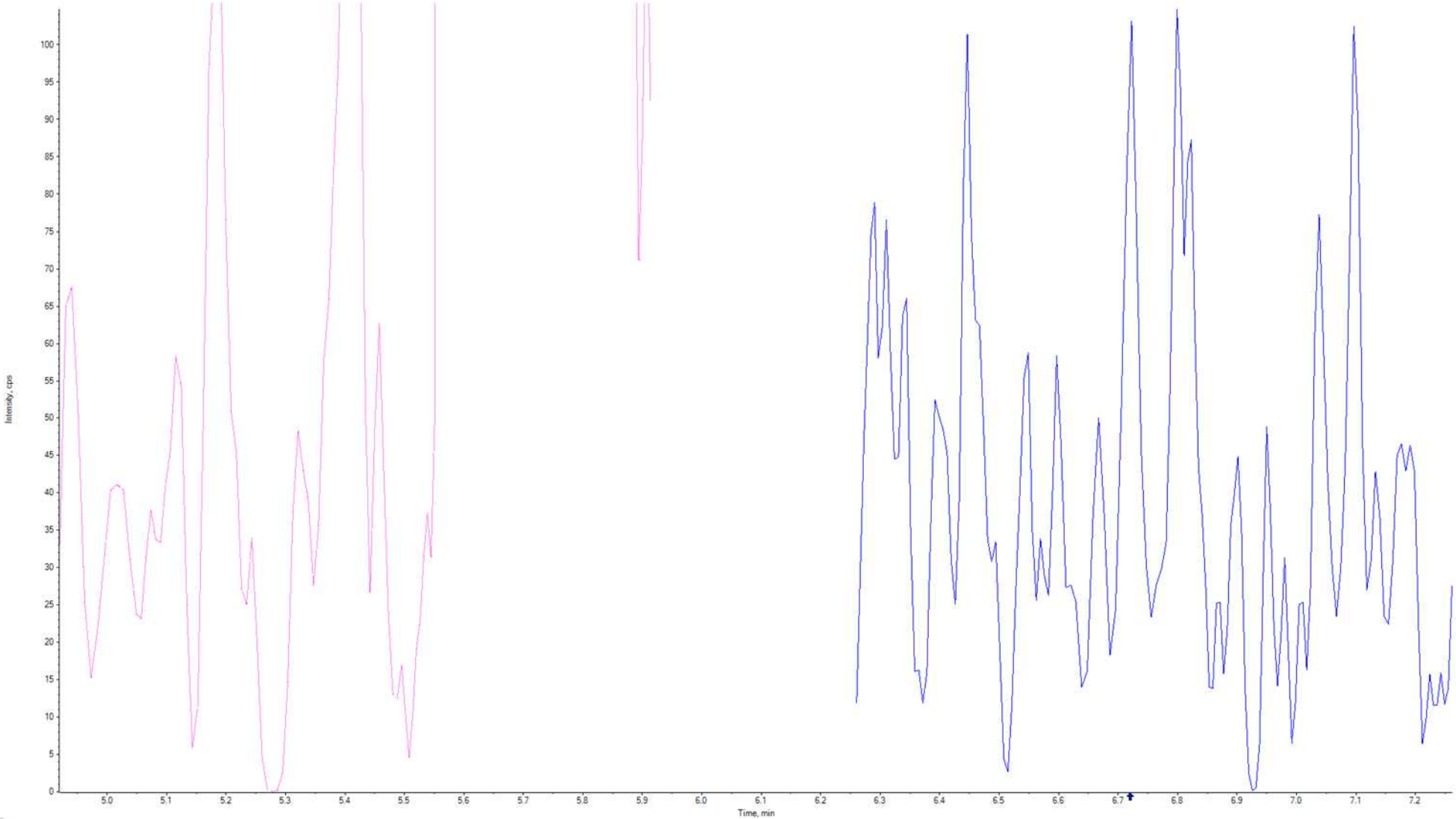
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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9Cl-PF3ONS
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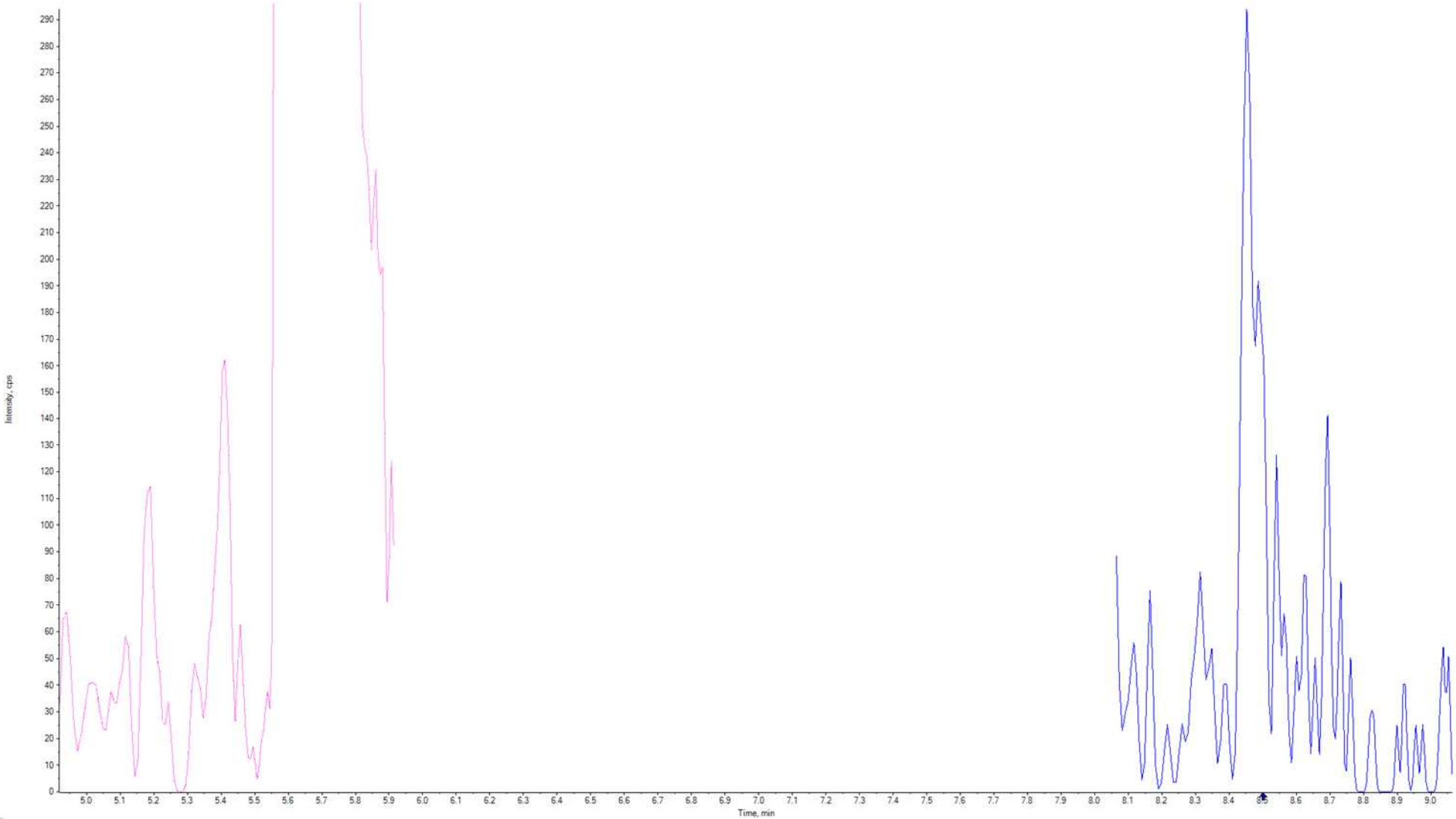

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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9Cl-PF3ONS_2
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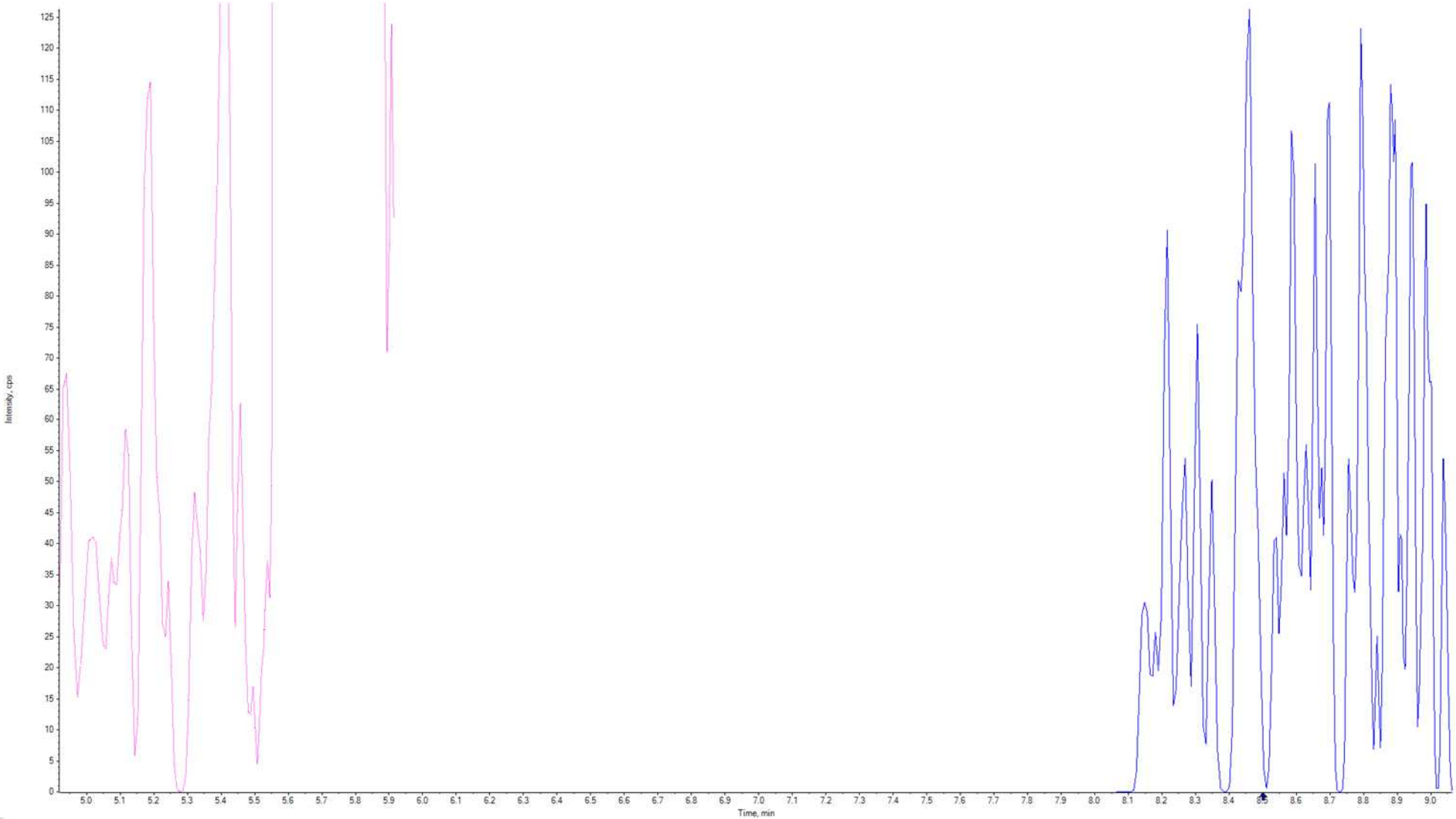

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 1:15:28 PM
Generated: 9/17/2024 11:31:06 AM

11Cl-PF3OUdS
Sample: L2447503-10 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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11Cl-PF3OUdS_2
Sample: L2447503-10 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 1:15:28 PM
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3:3FTCA
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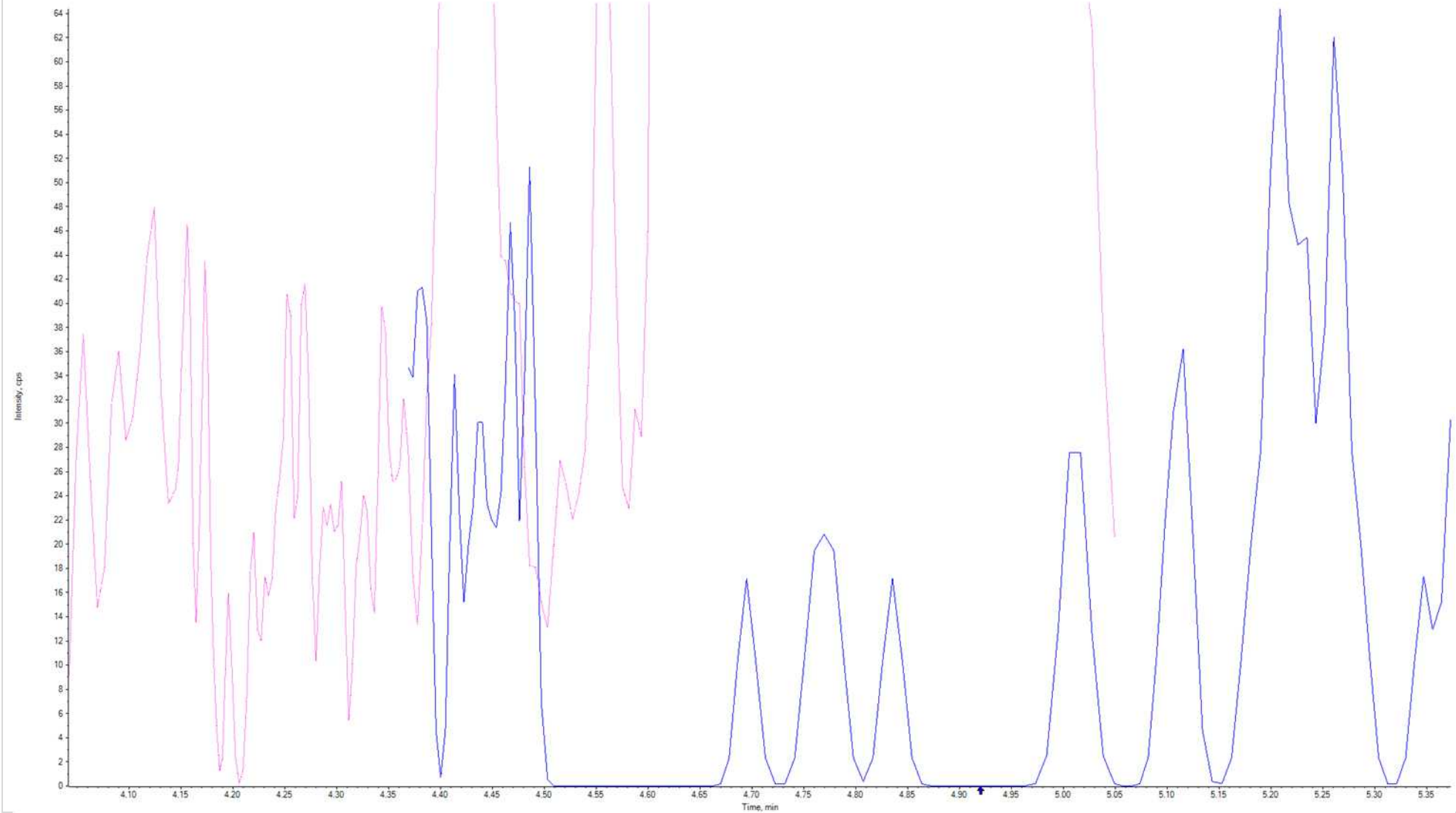

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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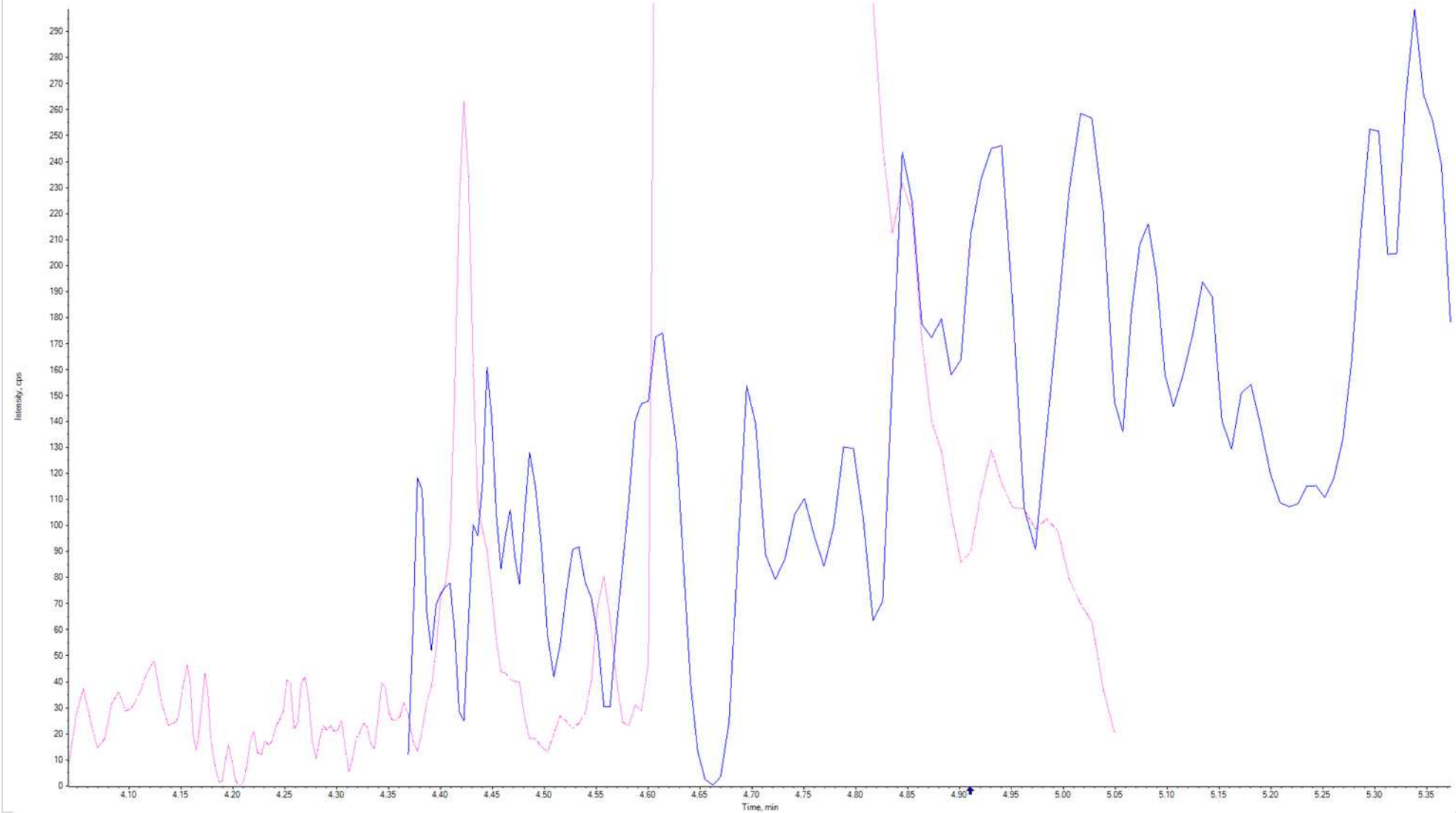
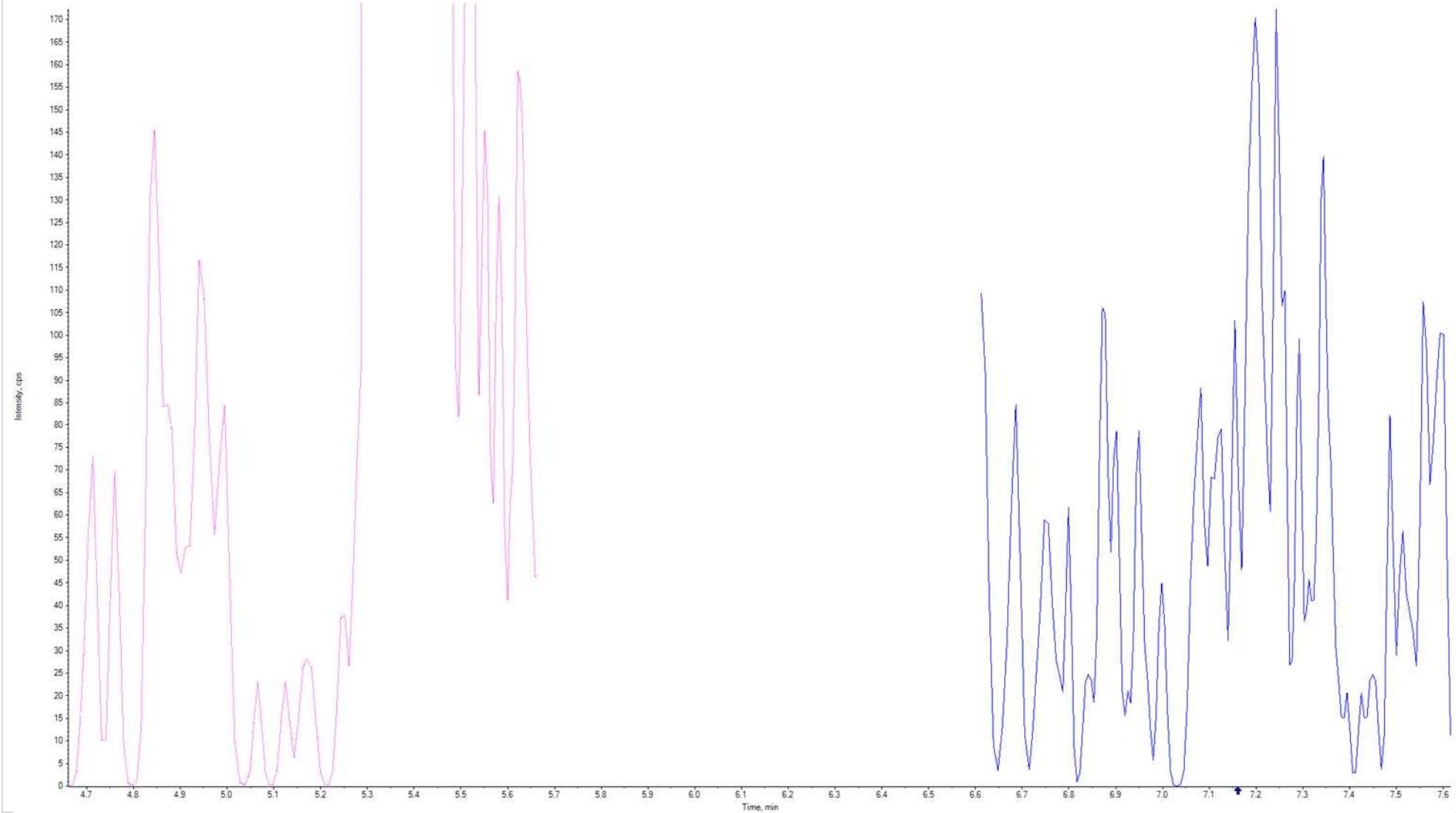
Generated: 9/17/2024 11:31:06 AM

3:3FTCA_2
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_27.wiff
Last Altered: 9/17/2024 1:15:28 PM
Generated: 9/17/2024 11:31:06 AM

5:3FTCA
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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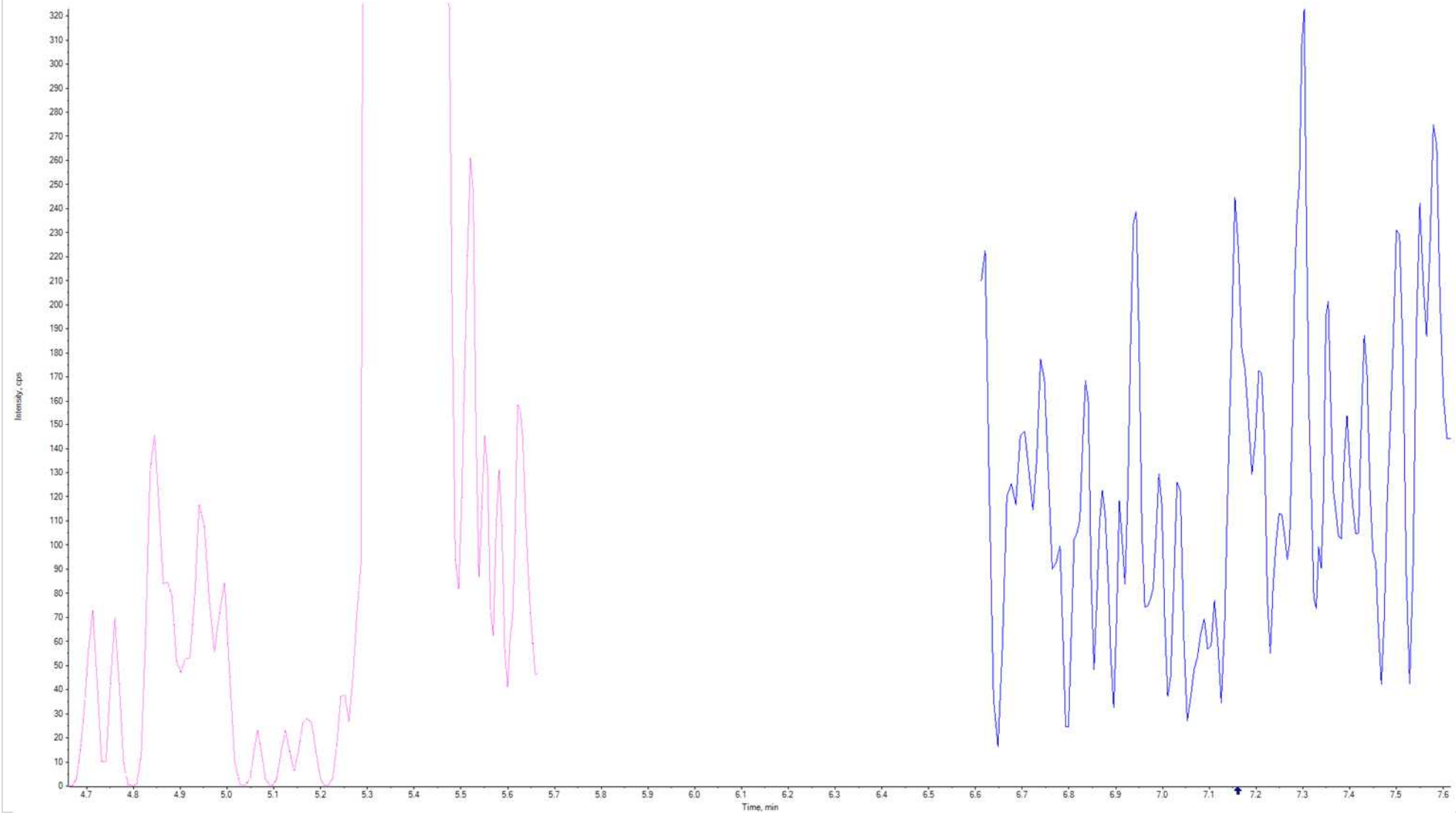
5:3FTCA_2
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 1:15:28 PM
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7:3FTCA
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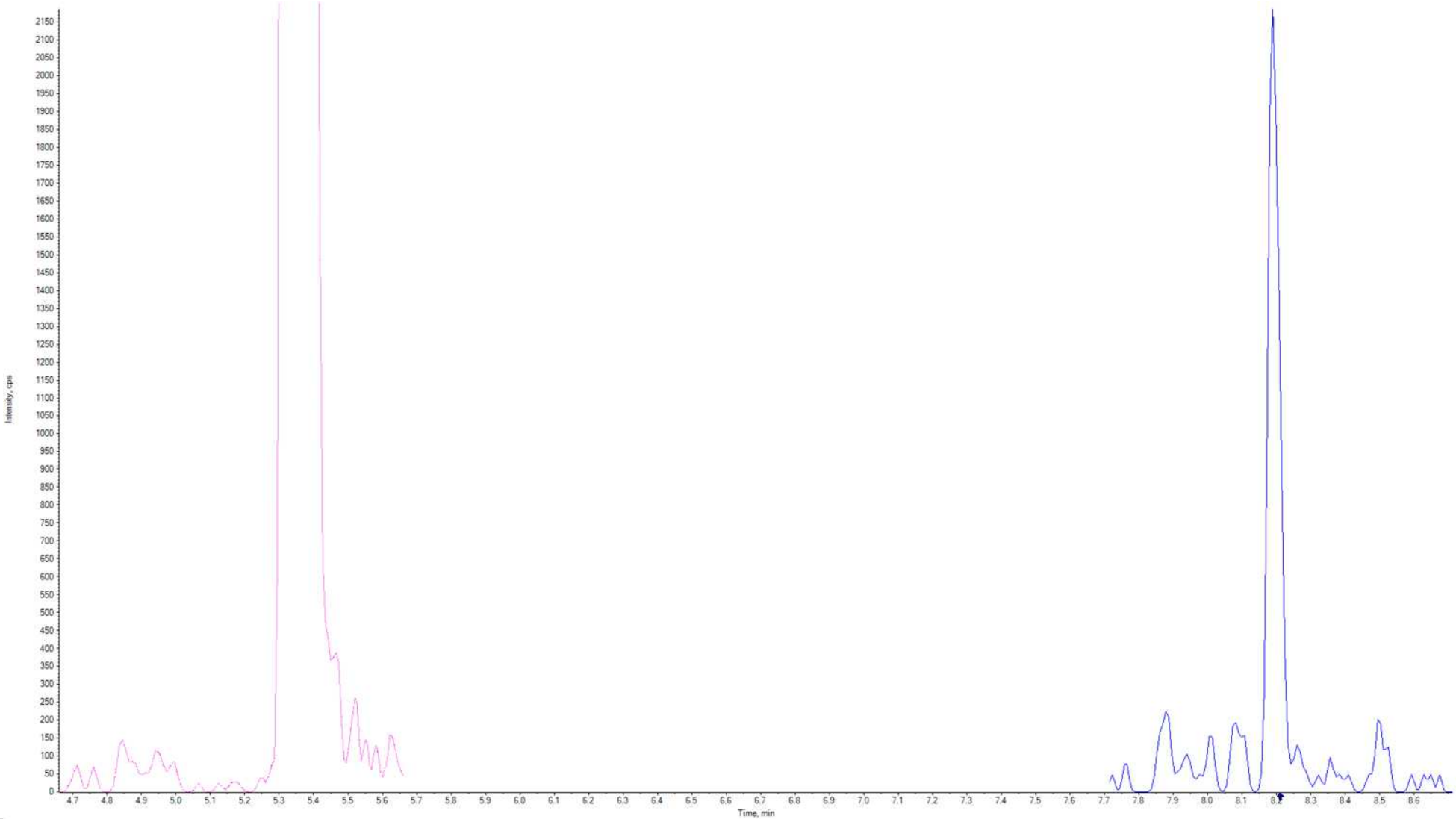

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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7:3FTCA_2
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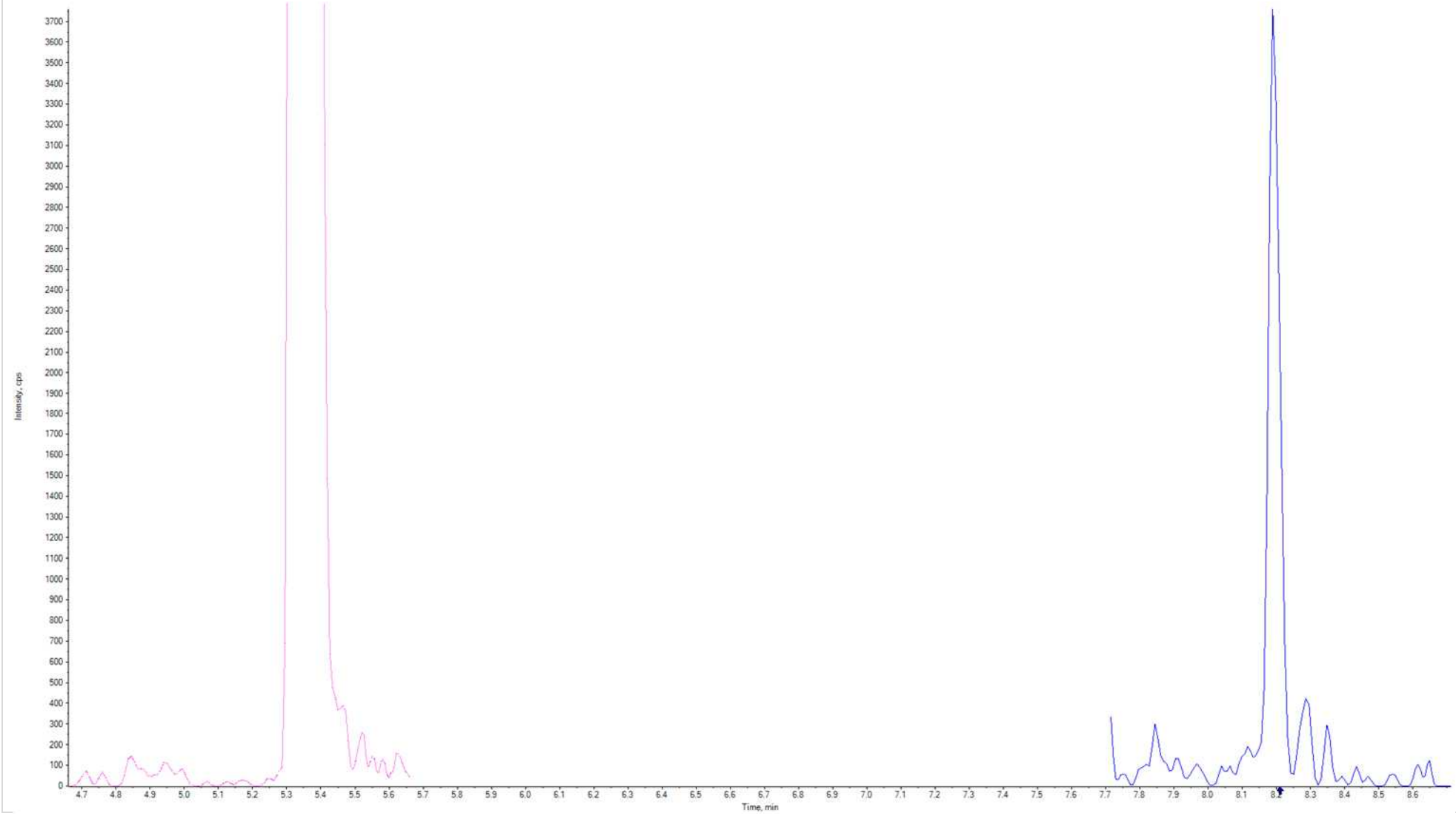

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 1:15:28 PM
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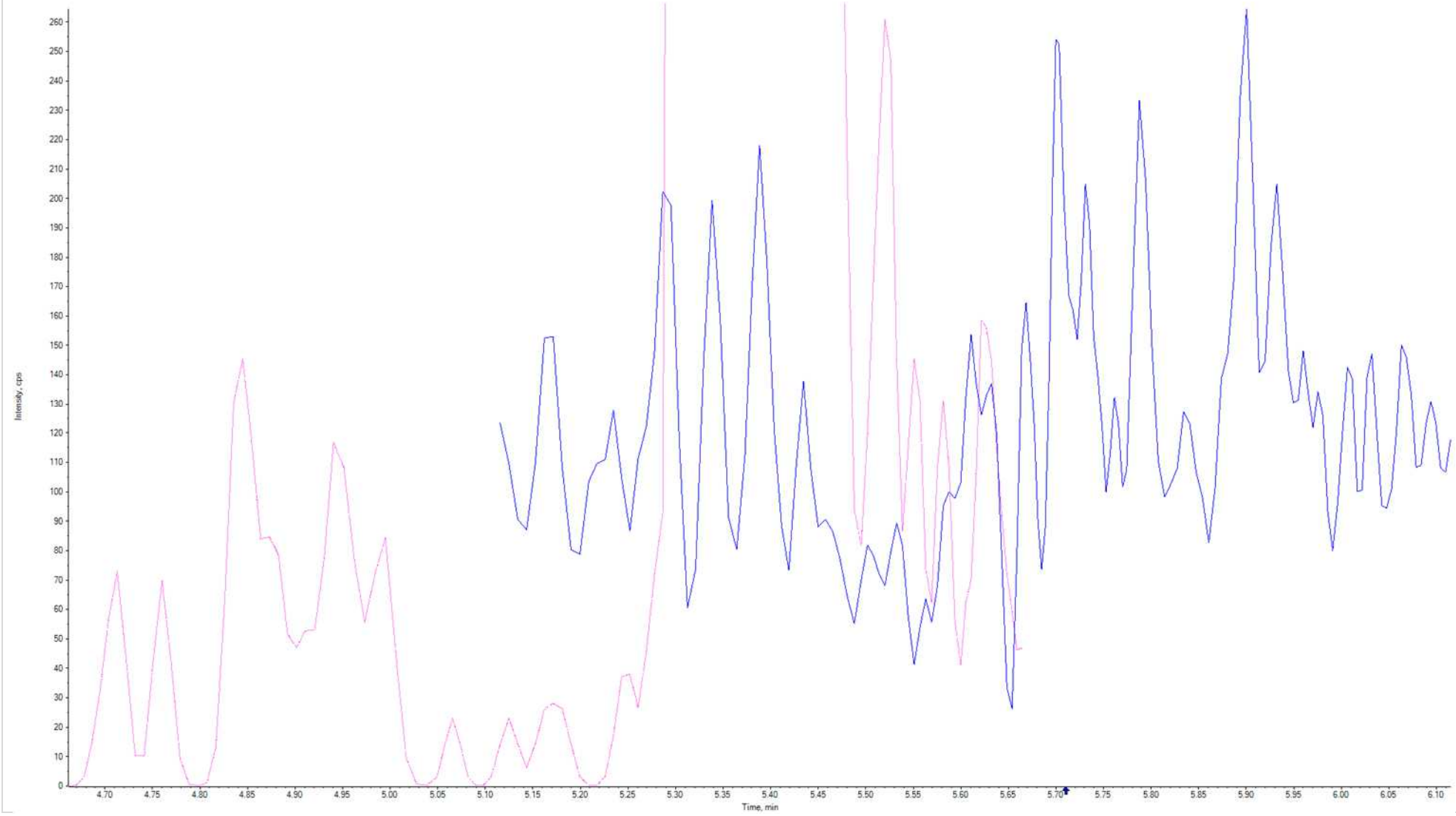
PFEESA
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFEESA_2
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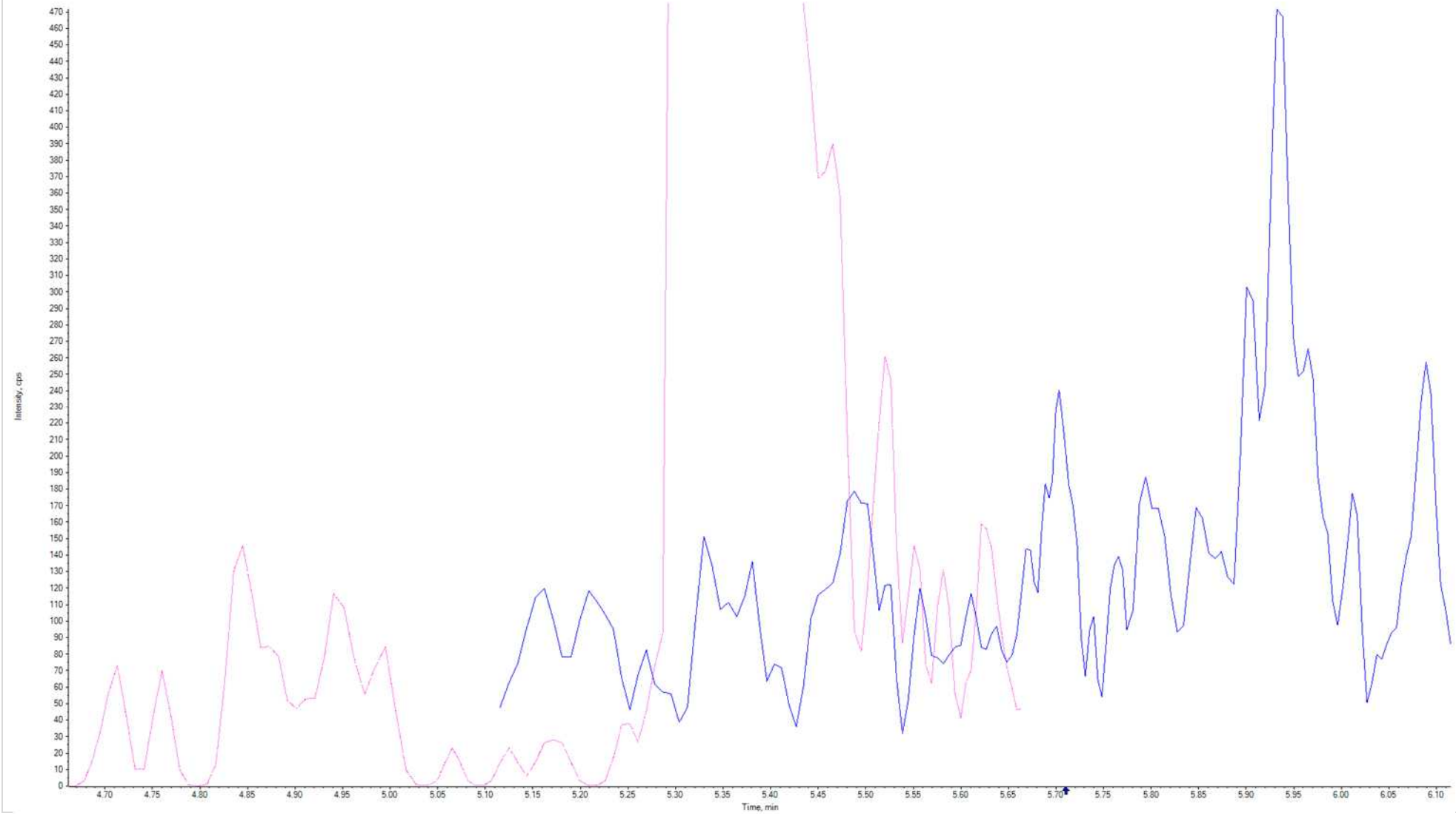

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 1:15:28 PM
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PFMPA
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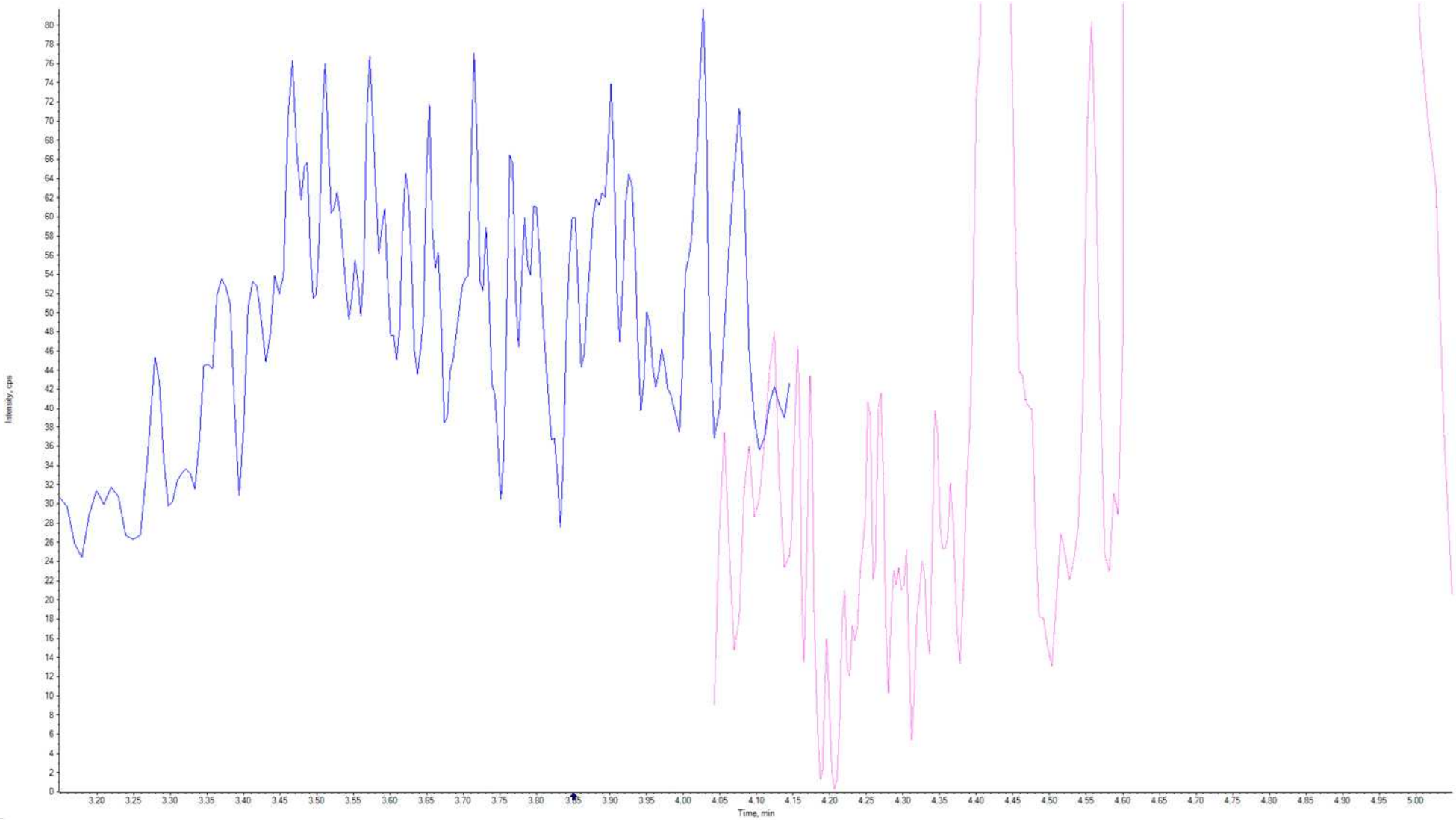

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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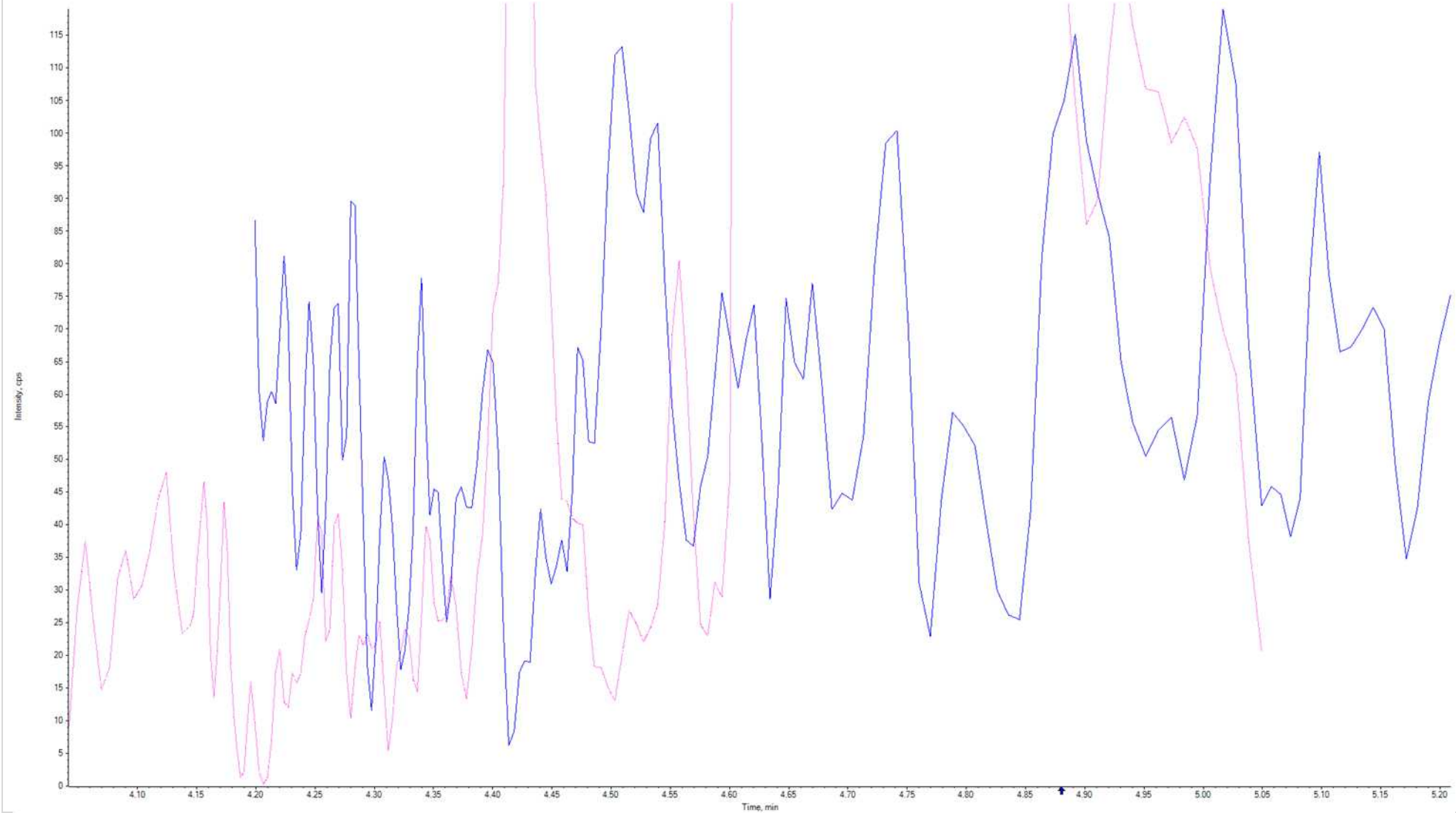
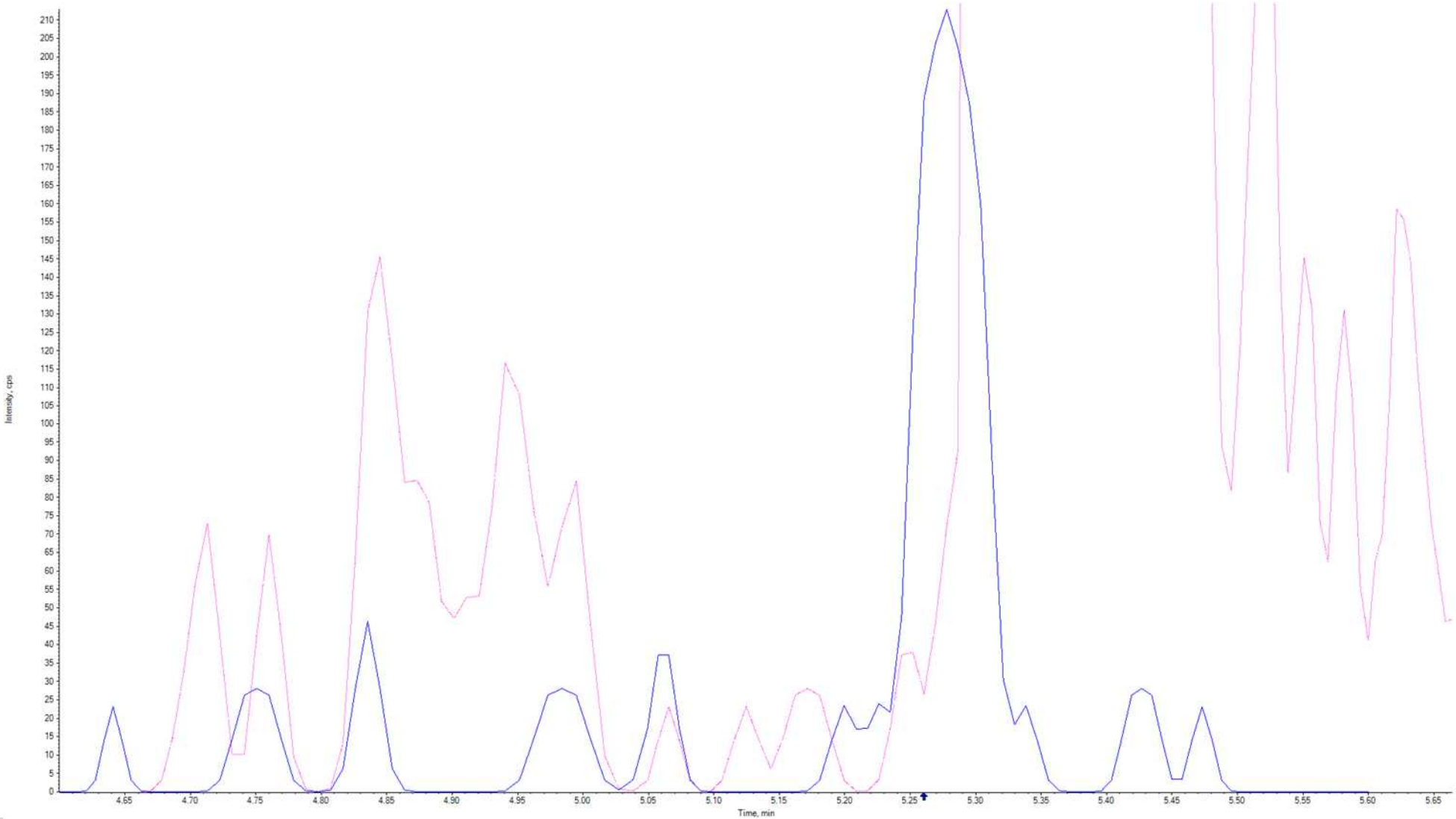
Generated: 9/17/2024 11:31:06 AM

PFMBA
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



NFDHA
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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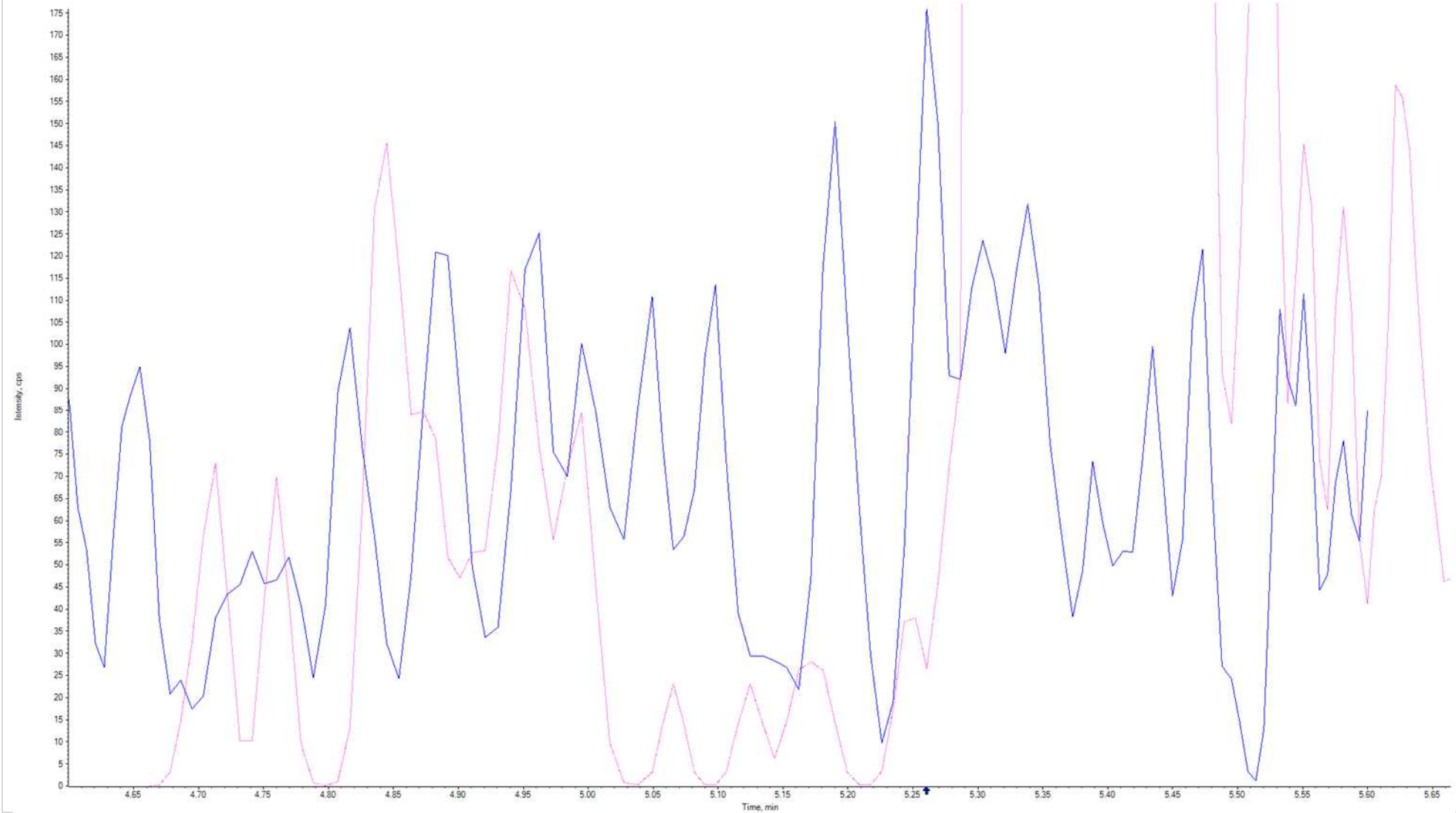
NFDHA_2
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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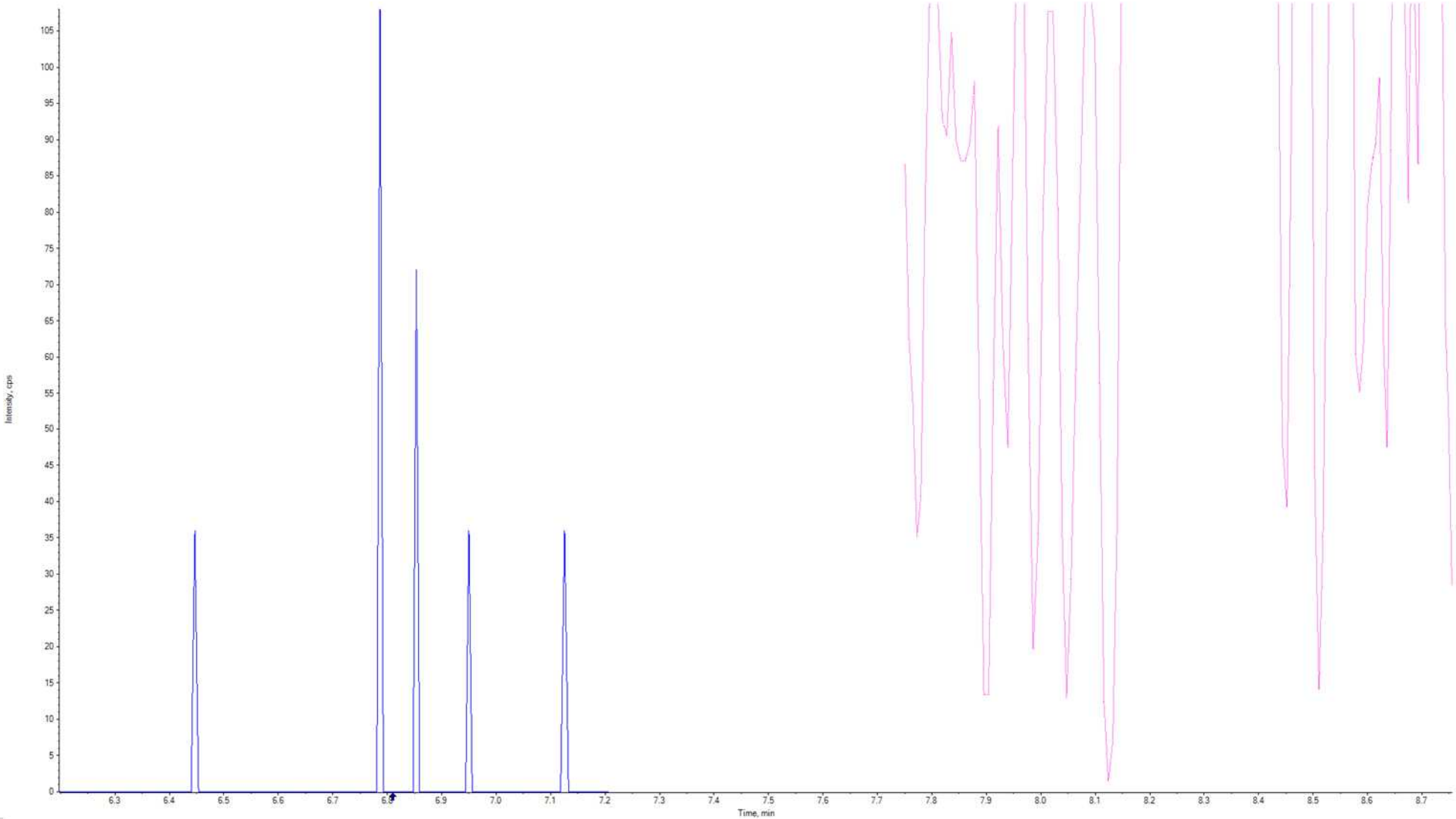
TDCA
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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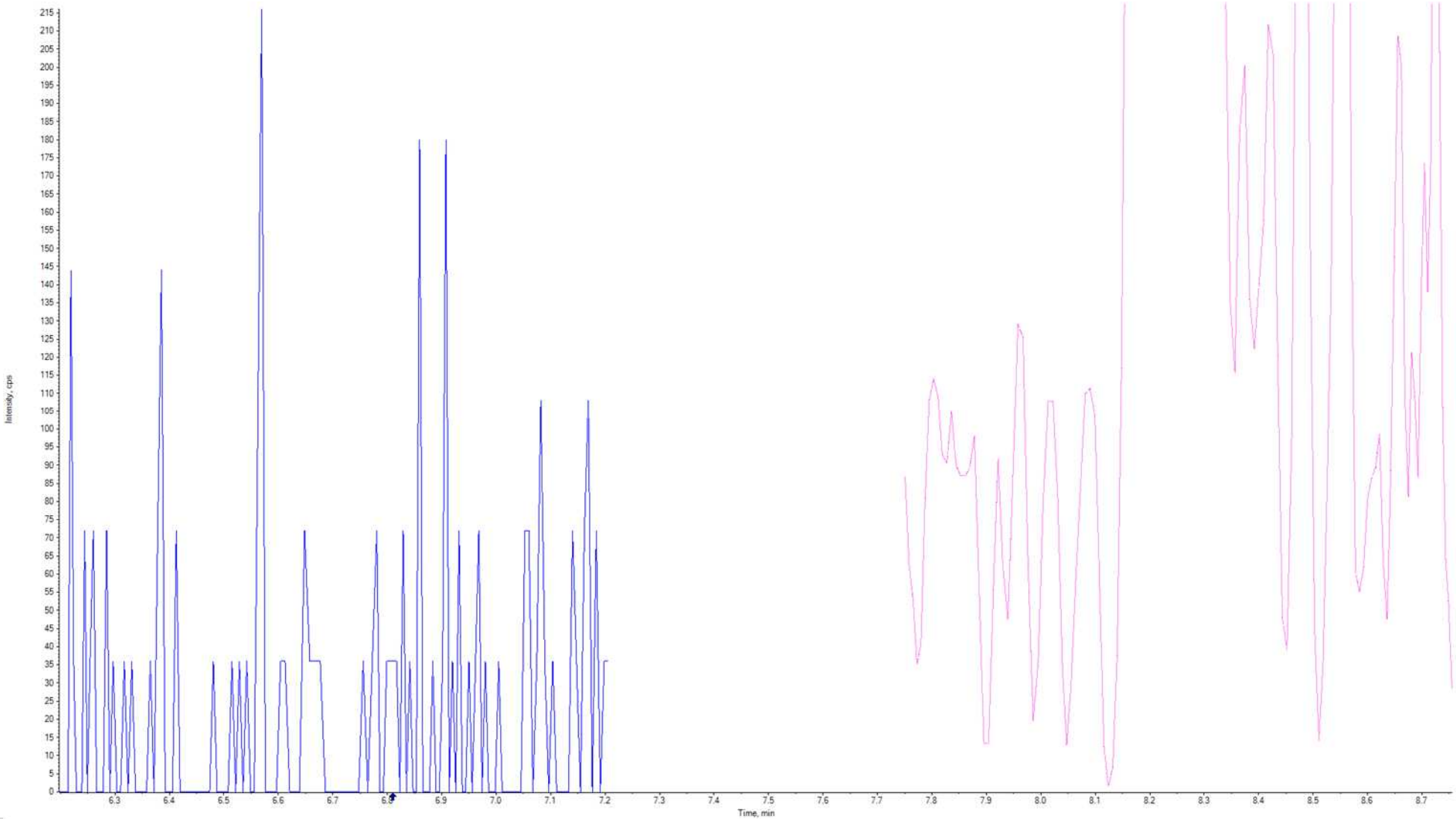
TDCA_2
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/17/2024 1:15:28 PM
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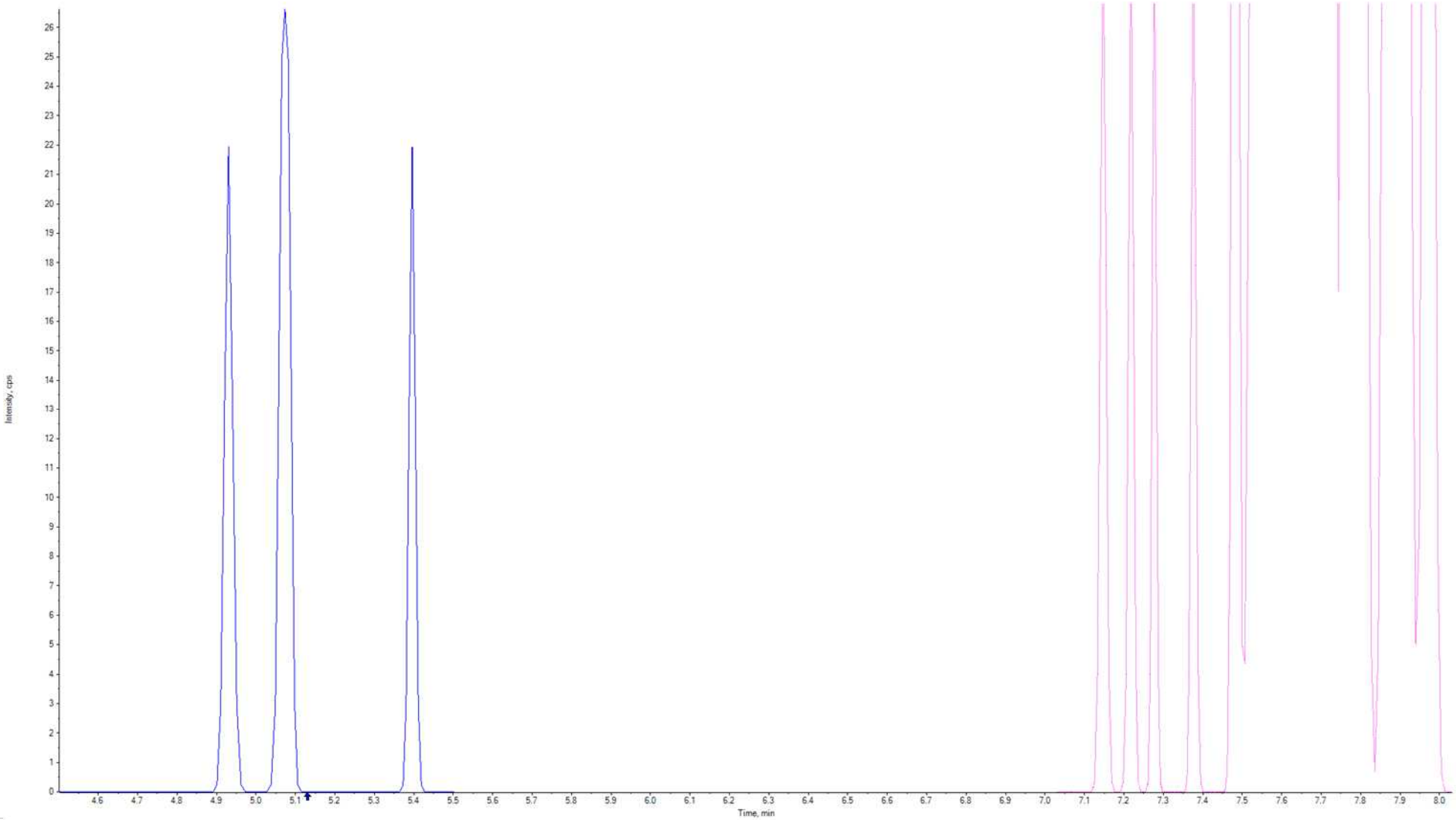
13C2D4-4:2FTS
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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Last Altered: 9/17/2024 1:15:28 PM
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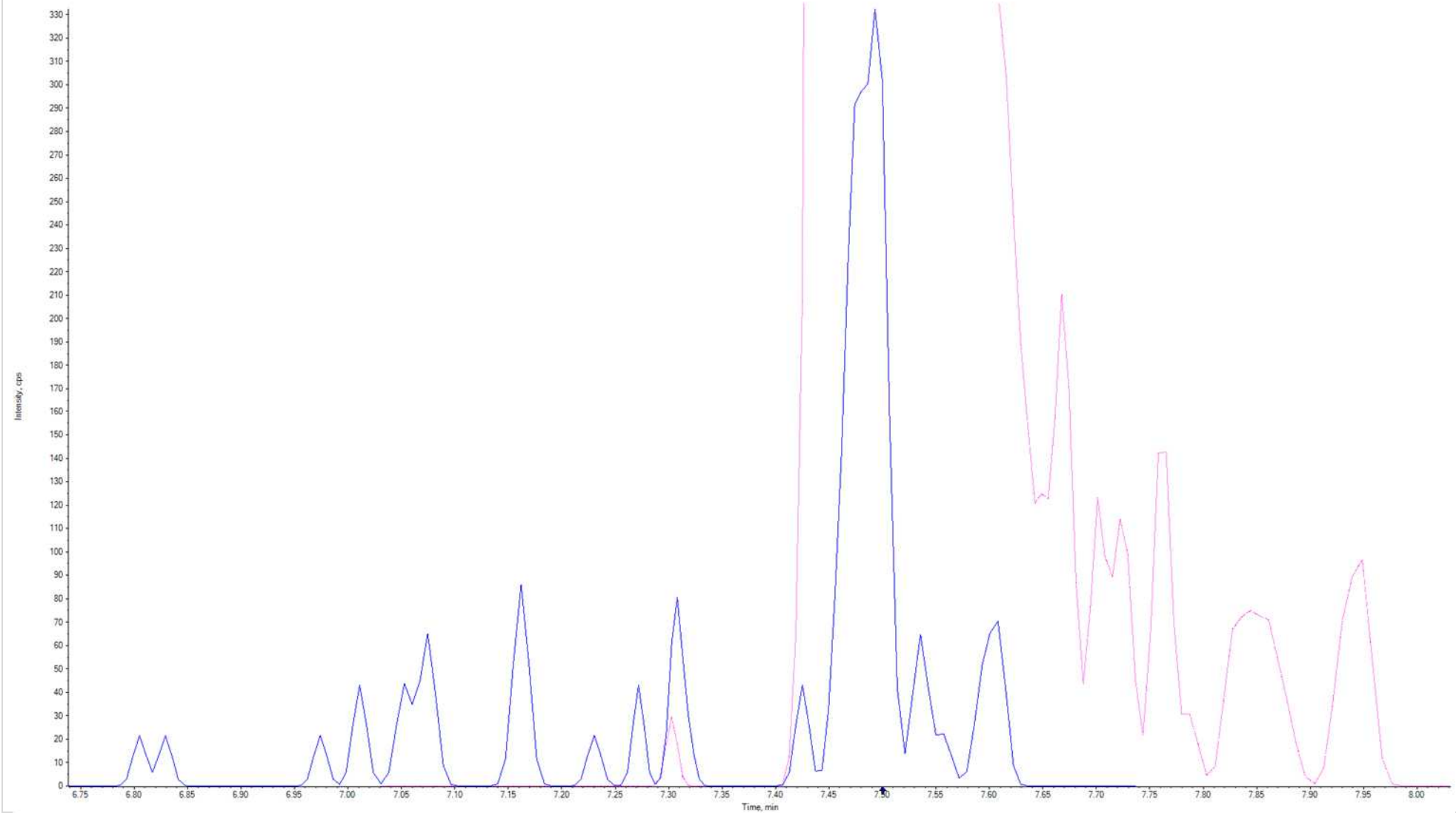
13C2-PFOA
Sample: L2447503-10 S/N:N/A Points Across peak:N/A



13C4-PFBA
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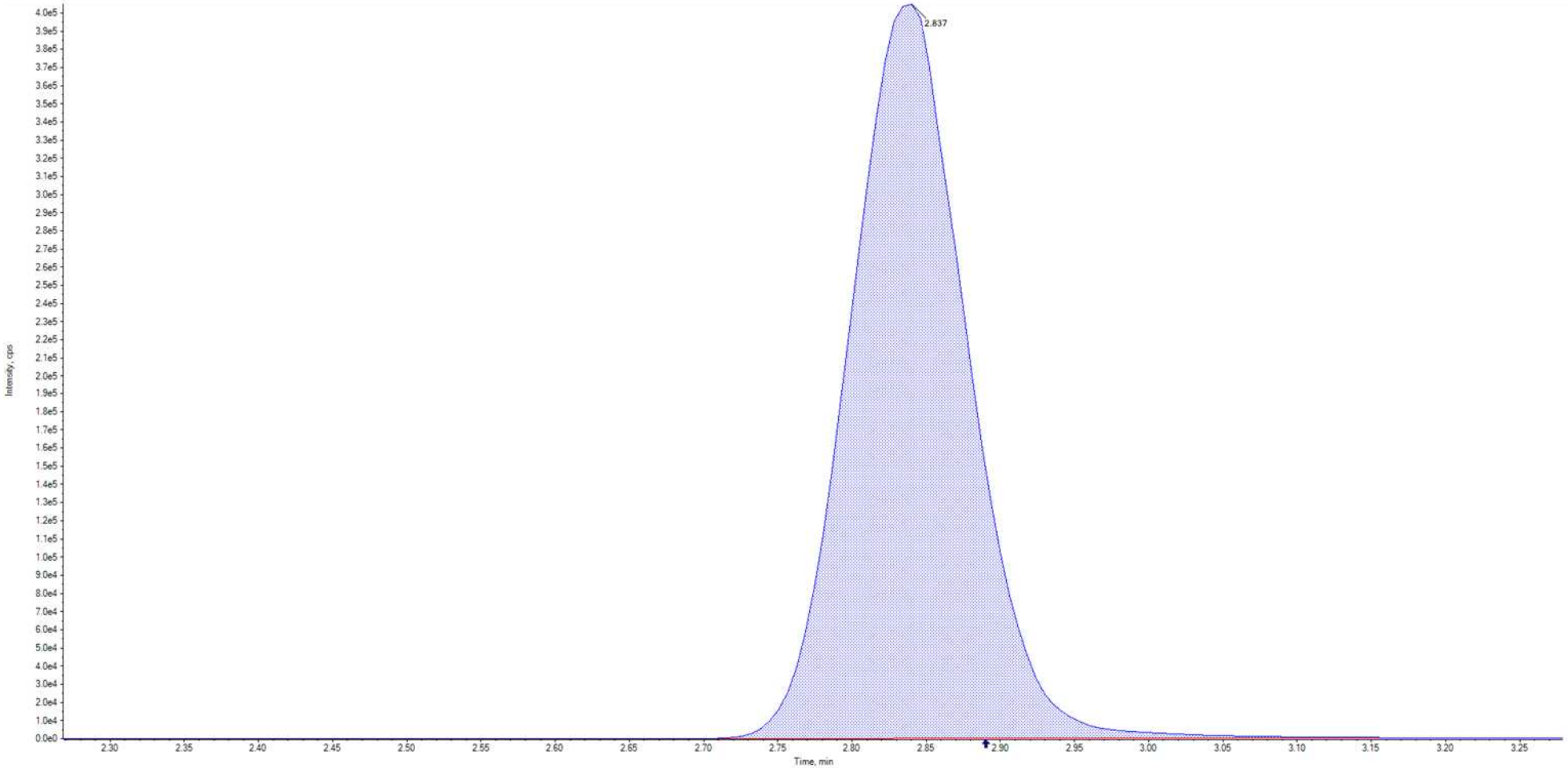

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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13C5-PFPeA
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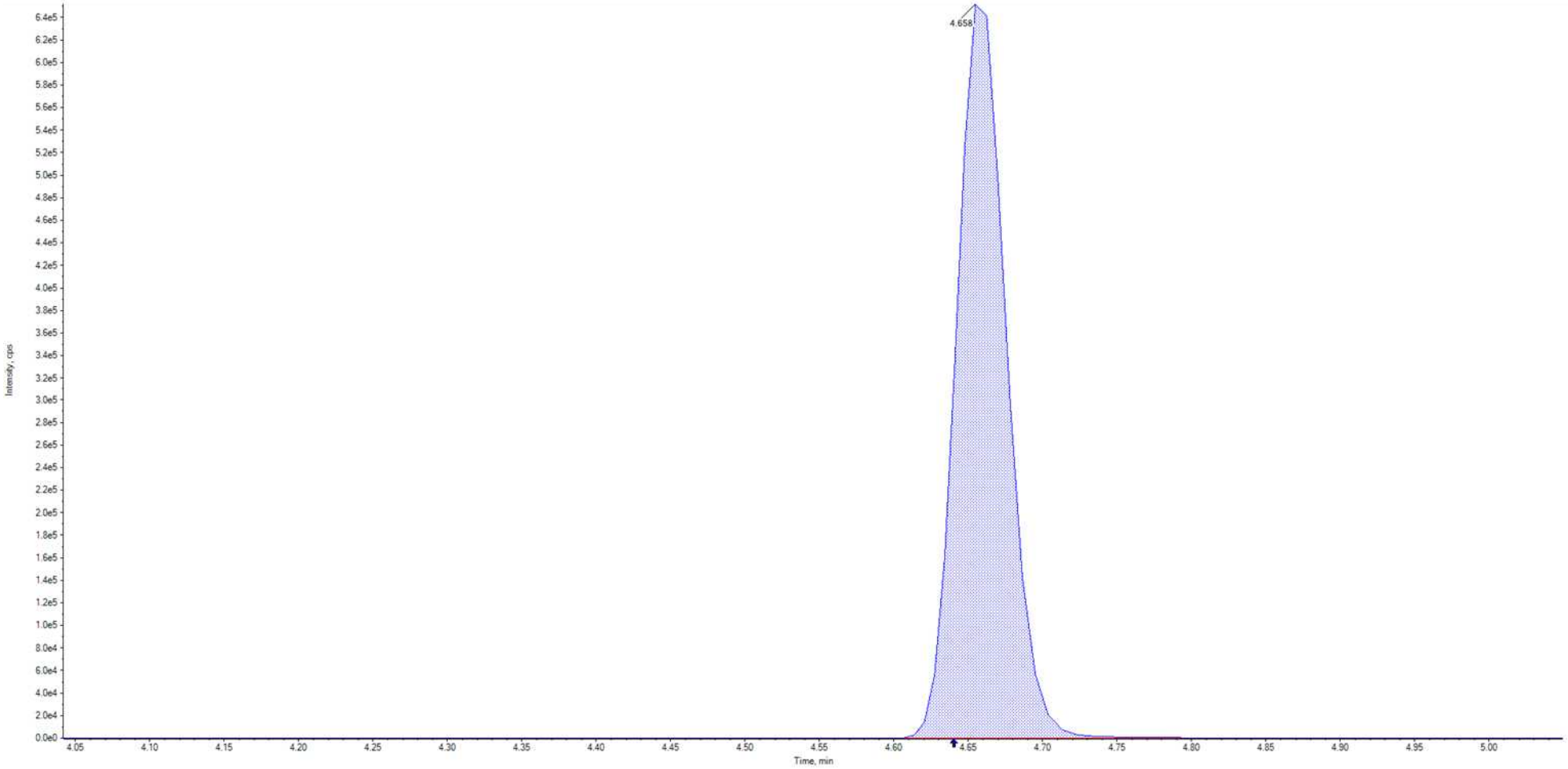

13C5-PFHxA
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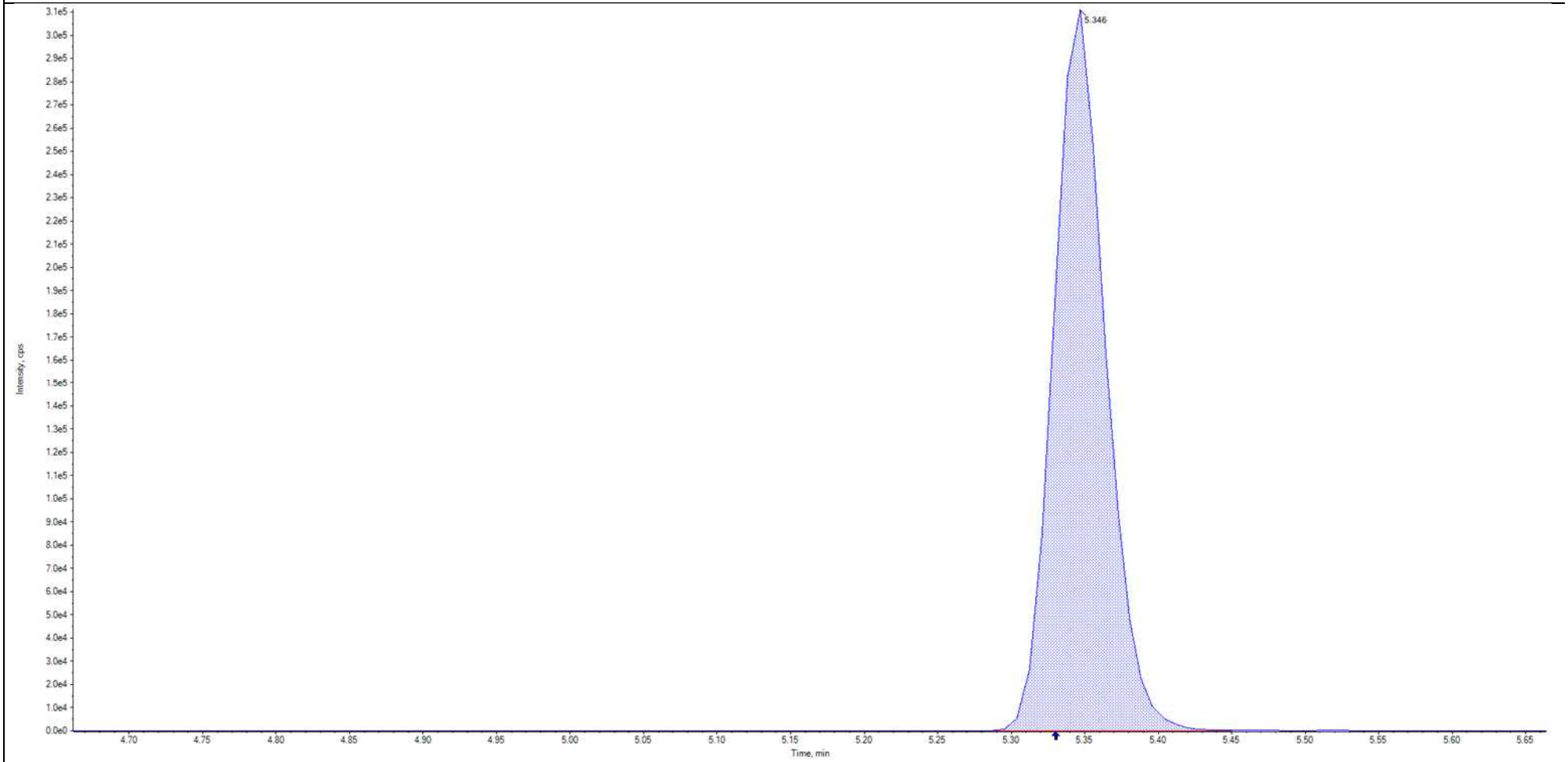
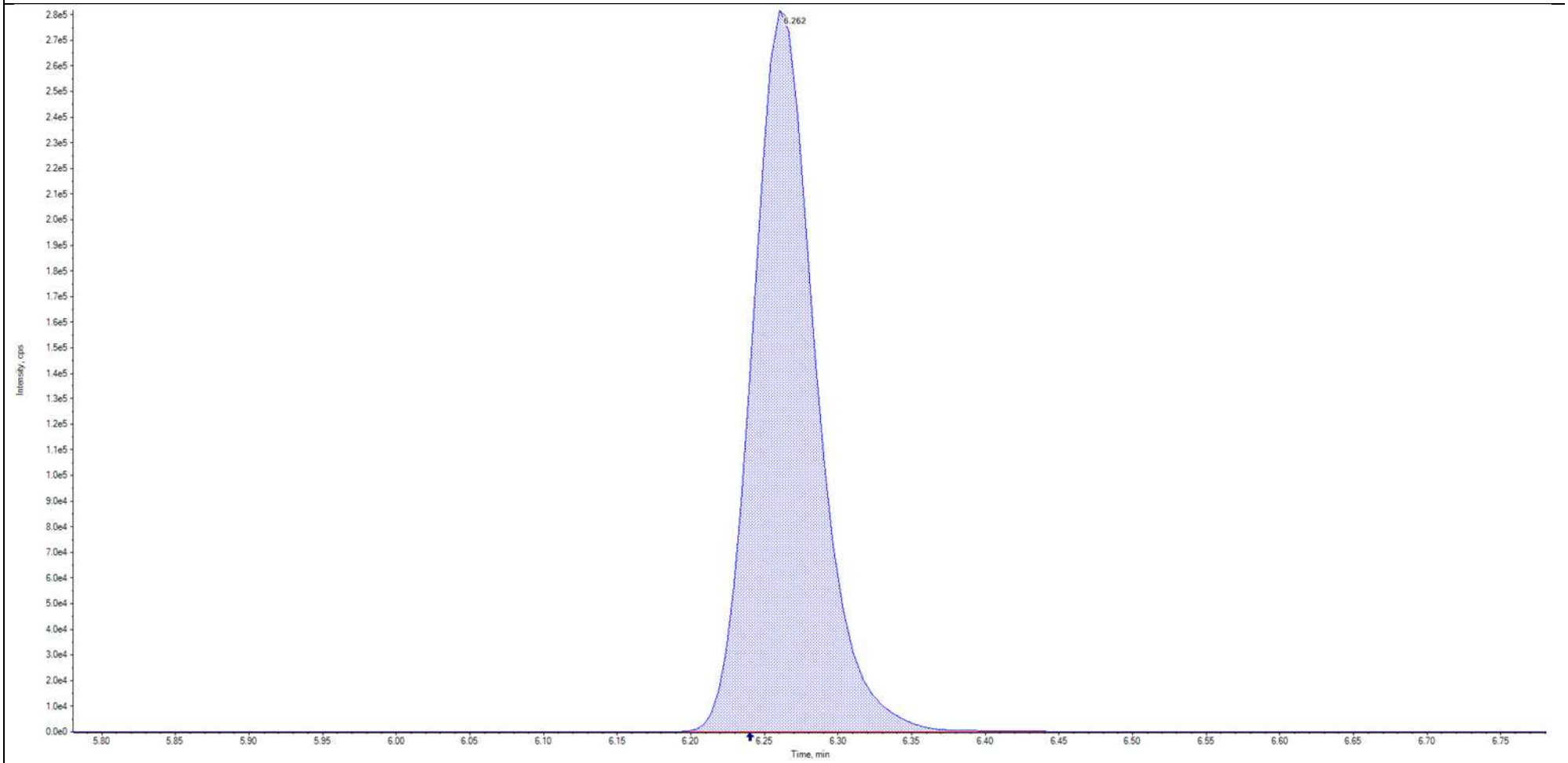


13C4-PFHpA
Sample: L2447503-10



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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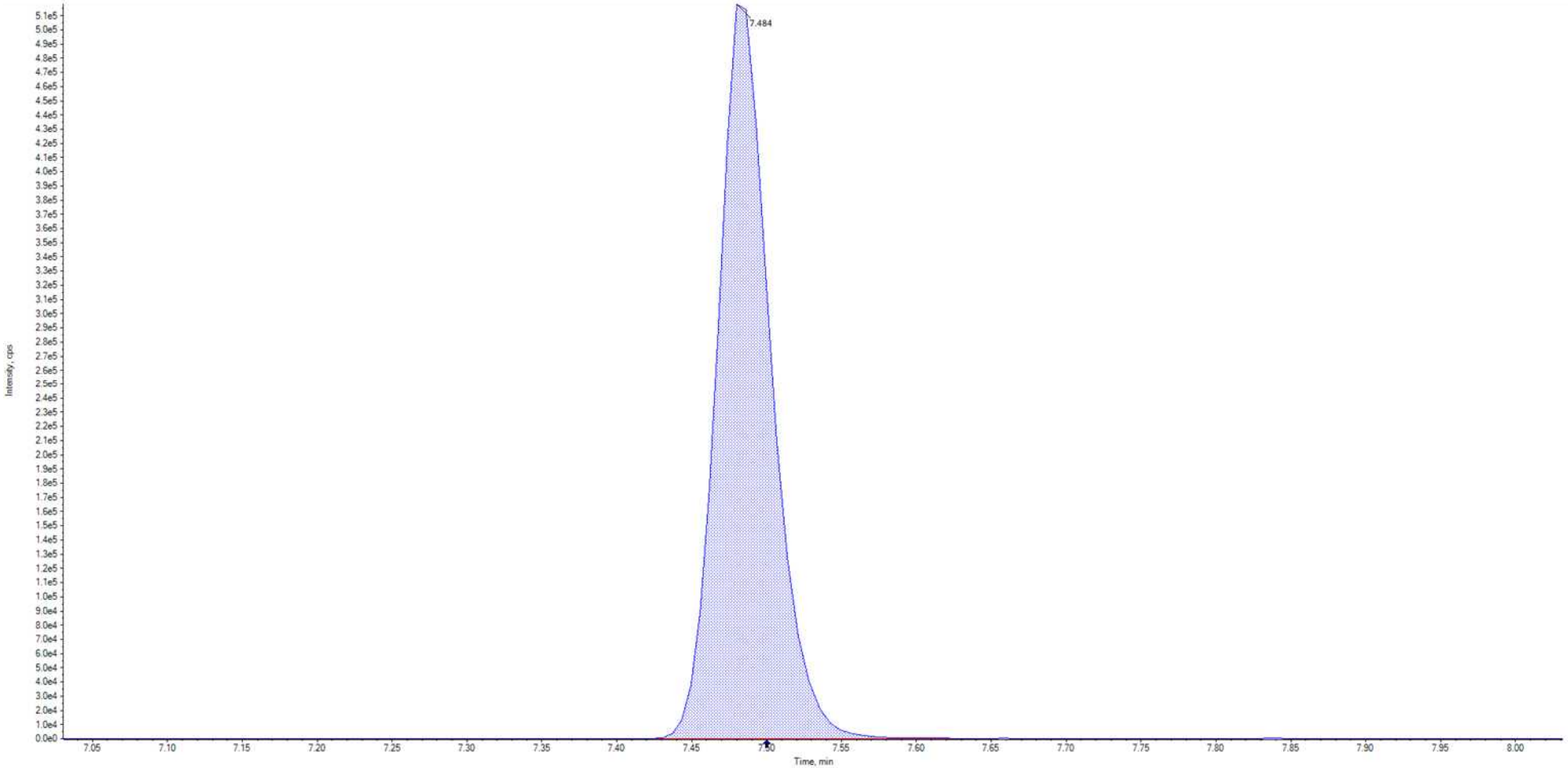
13C8-PFOA
Sample: L2447503-10



13C9-PFNA
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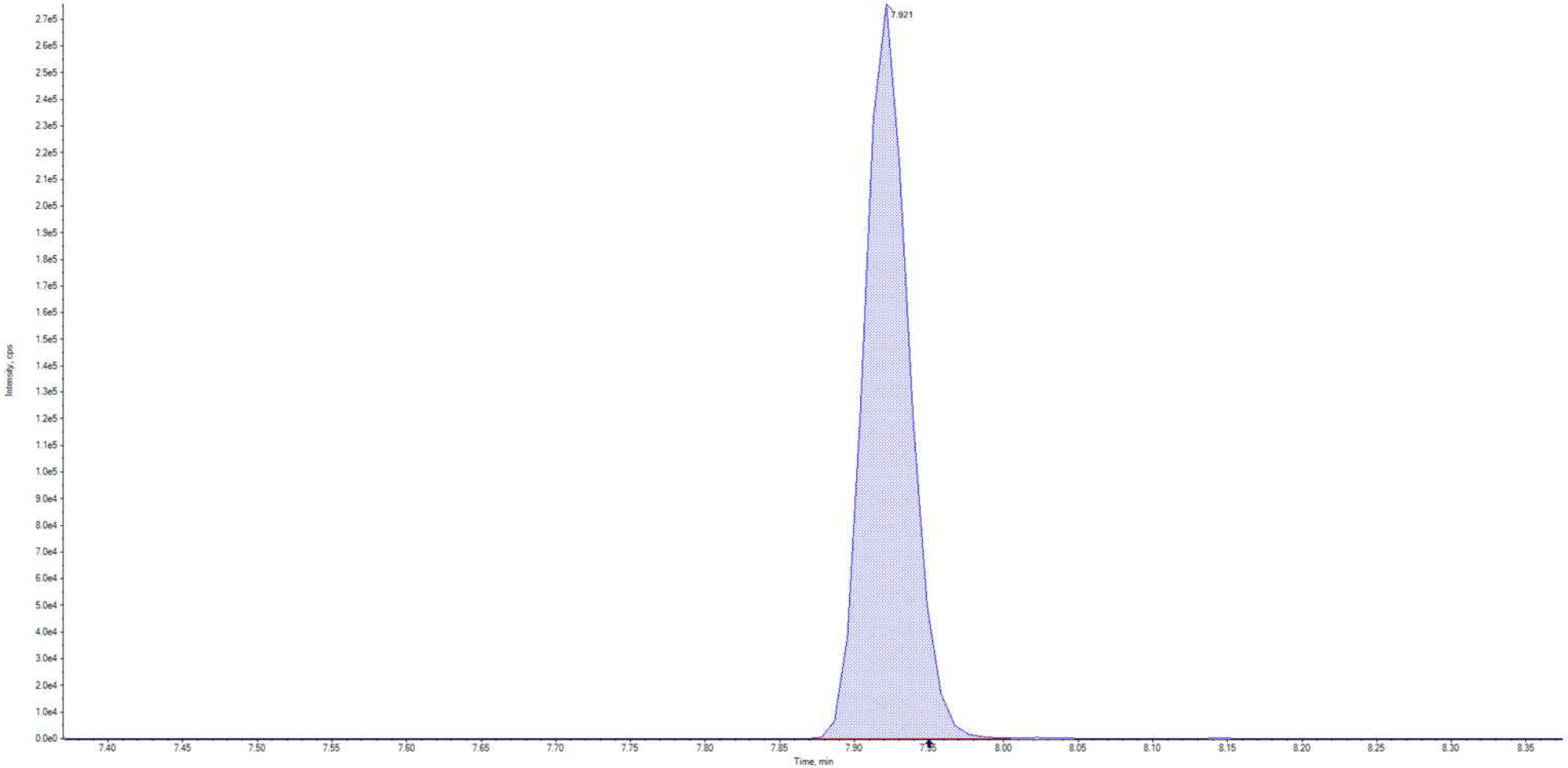

13C6-PFDA
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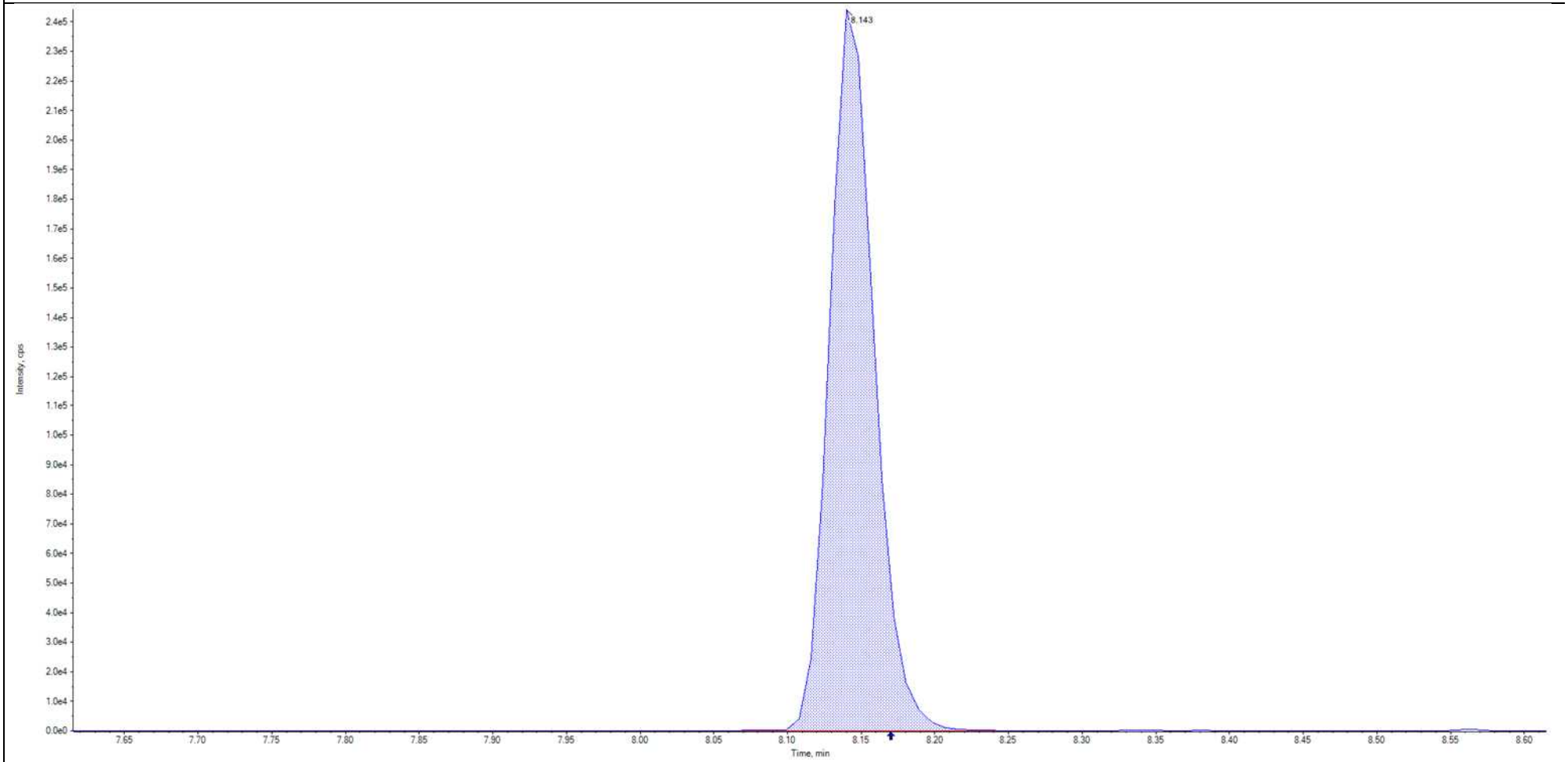
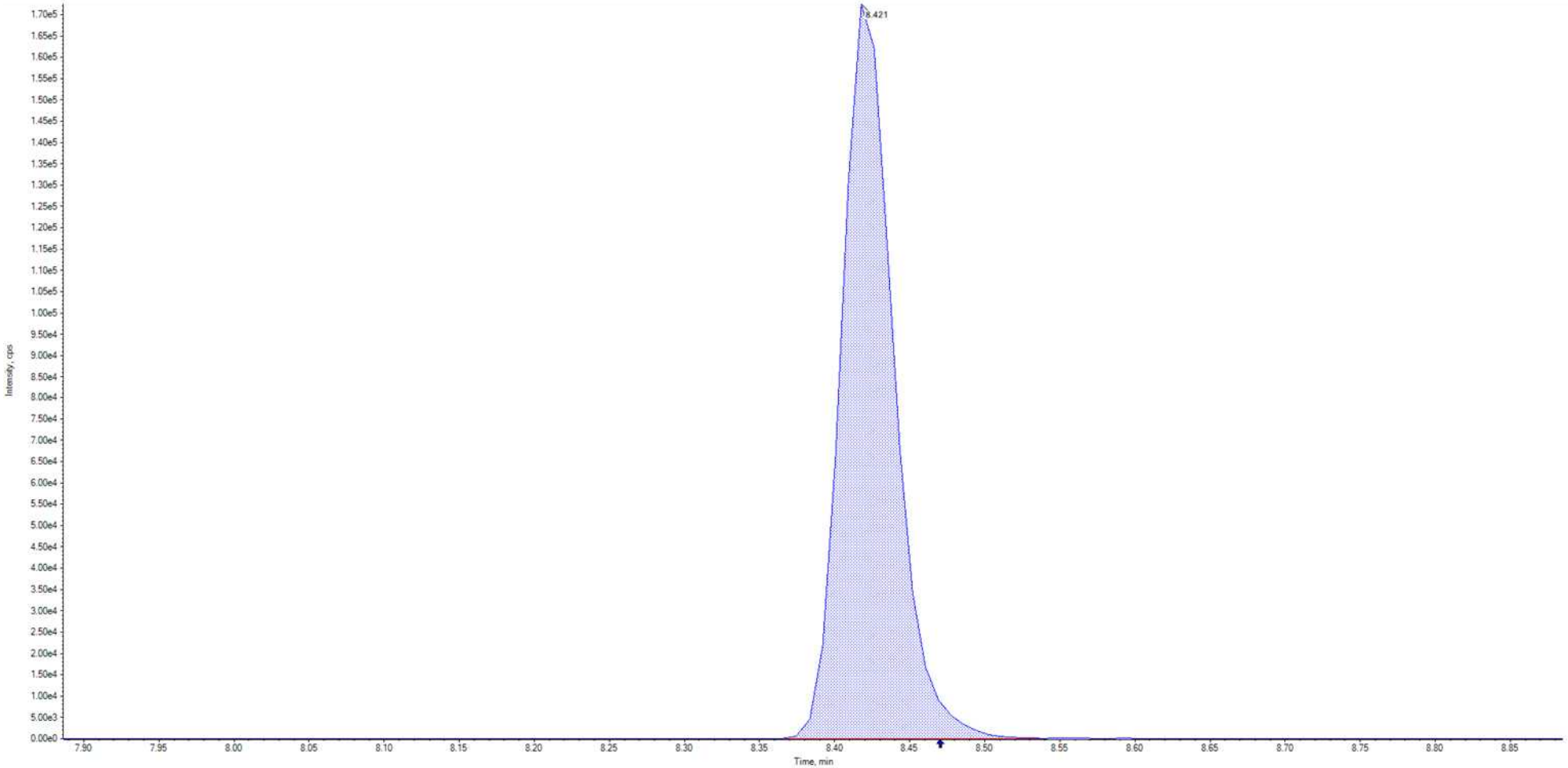


13C7-PFUnA
Sample: L2447503-10



13C2-PFDoA
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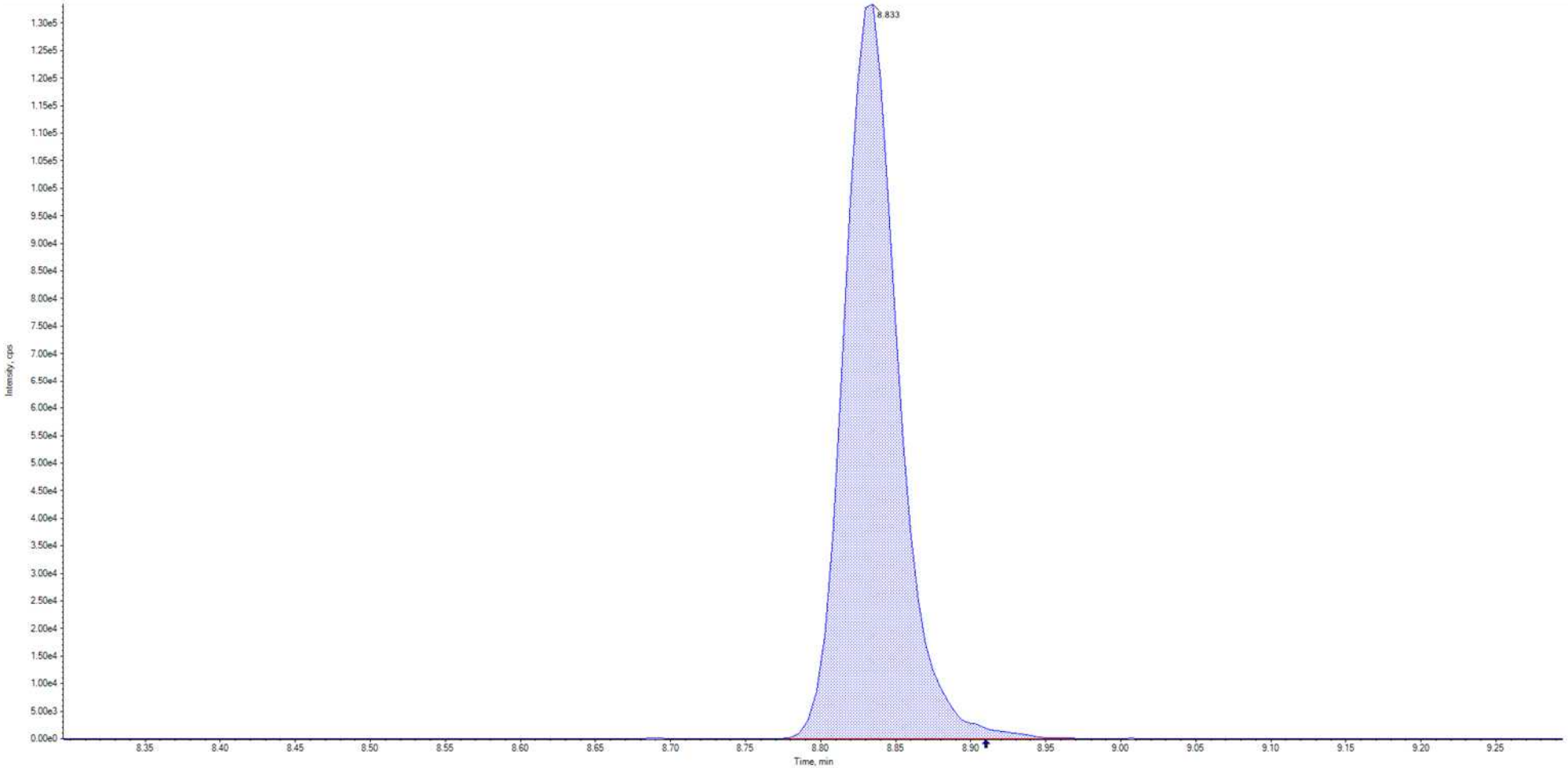
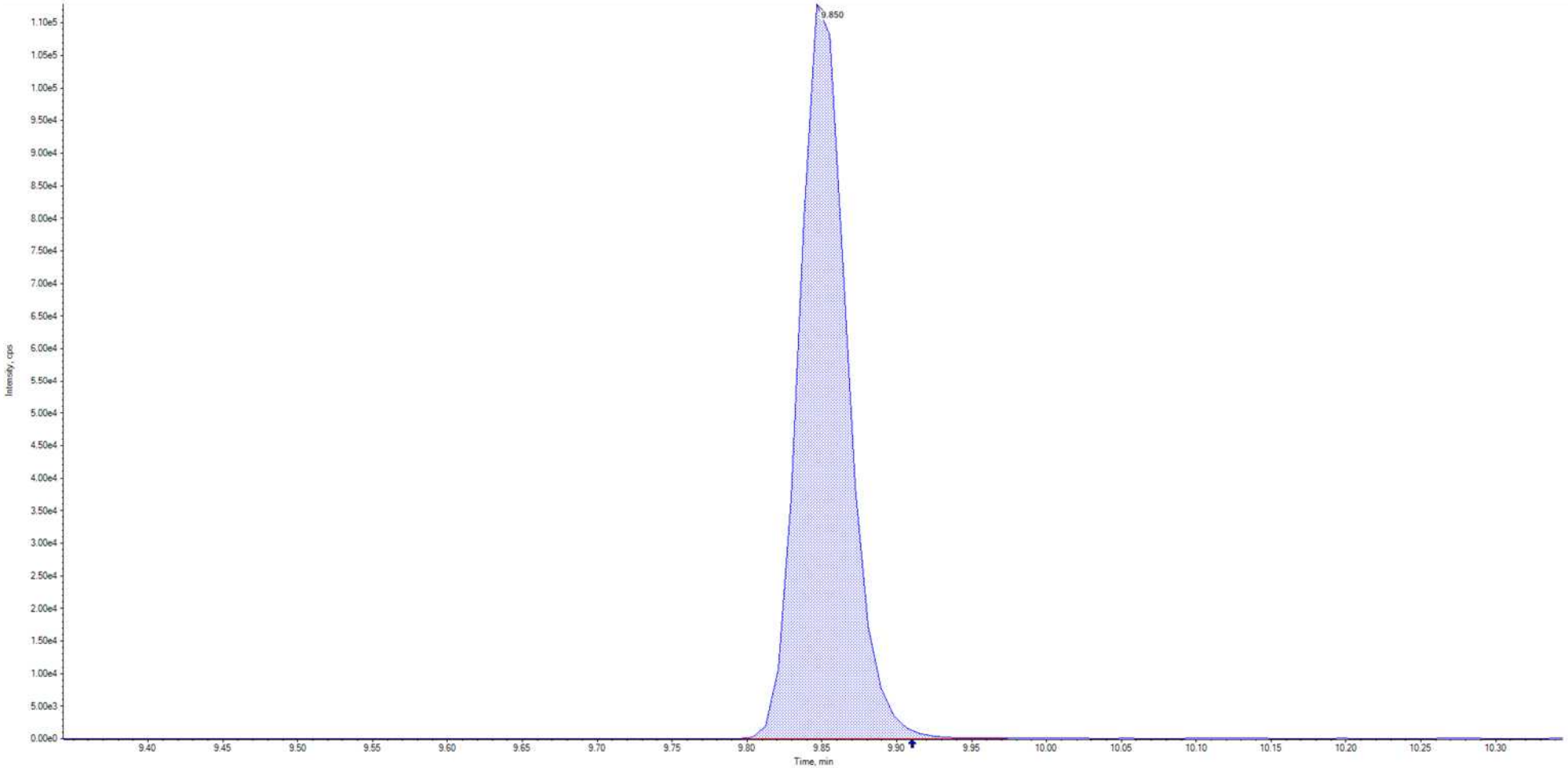


13C2-PFTeDA
Sample: L2447503-10



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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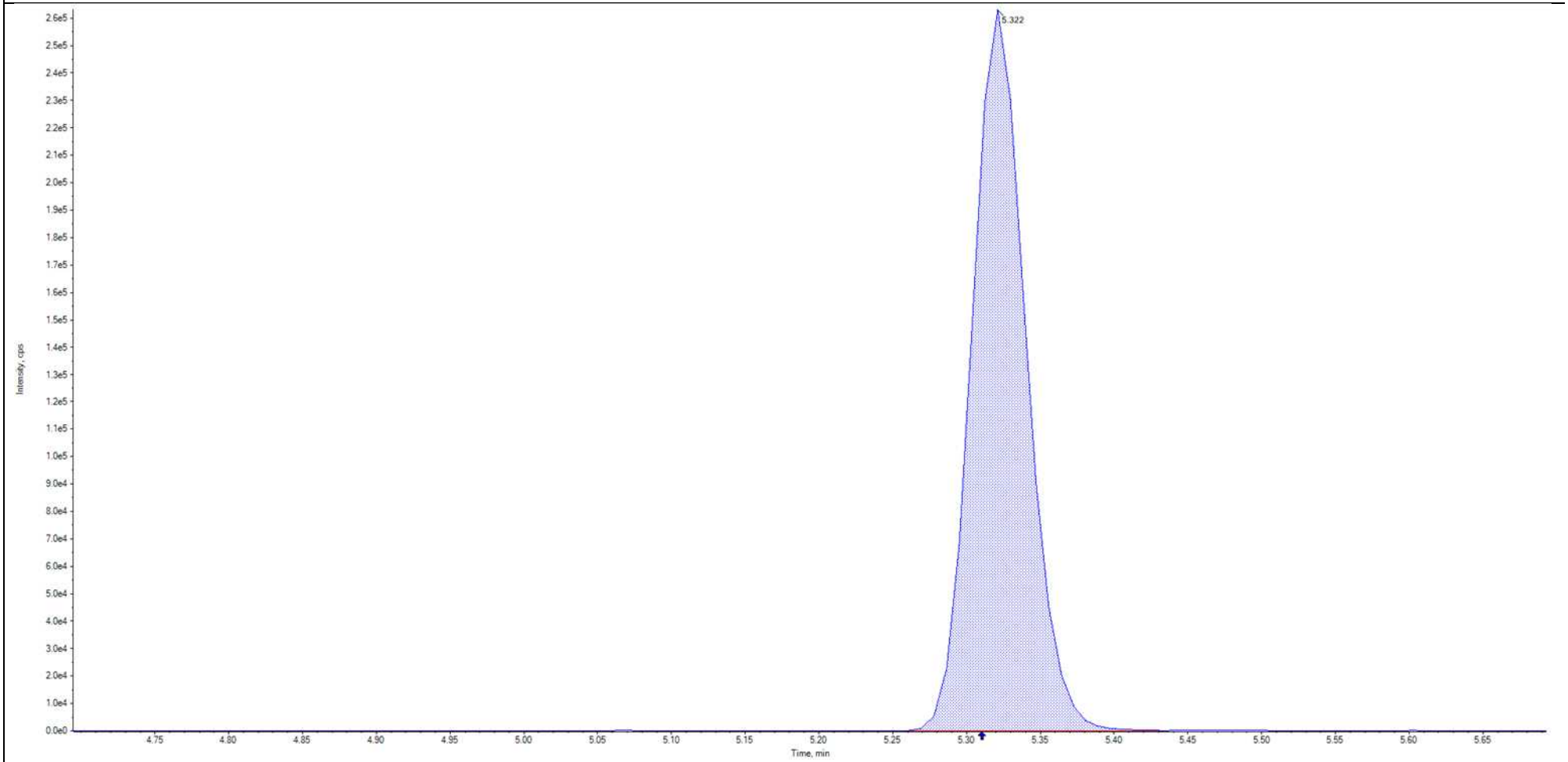
Generated: 9/17/2024 11:31:06 AM

13C3-PFBS
Sample: L2447503-10



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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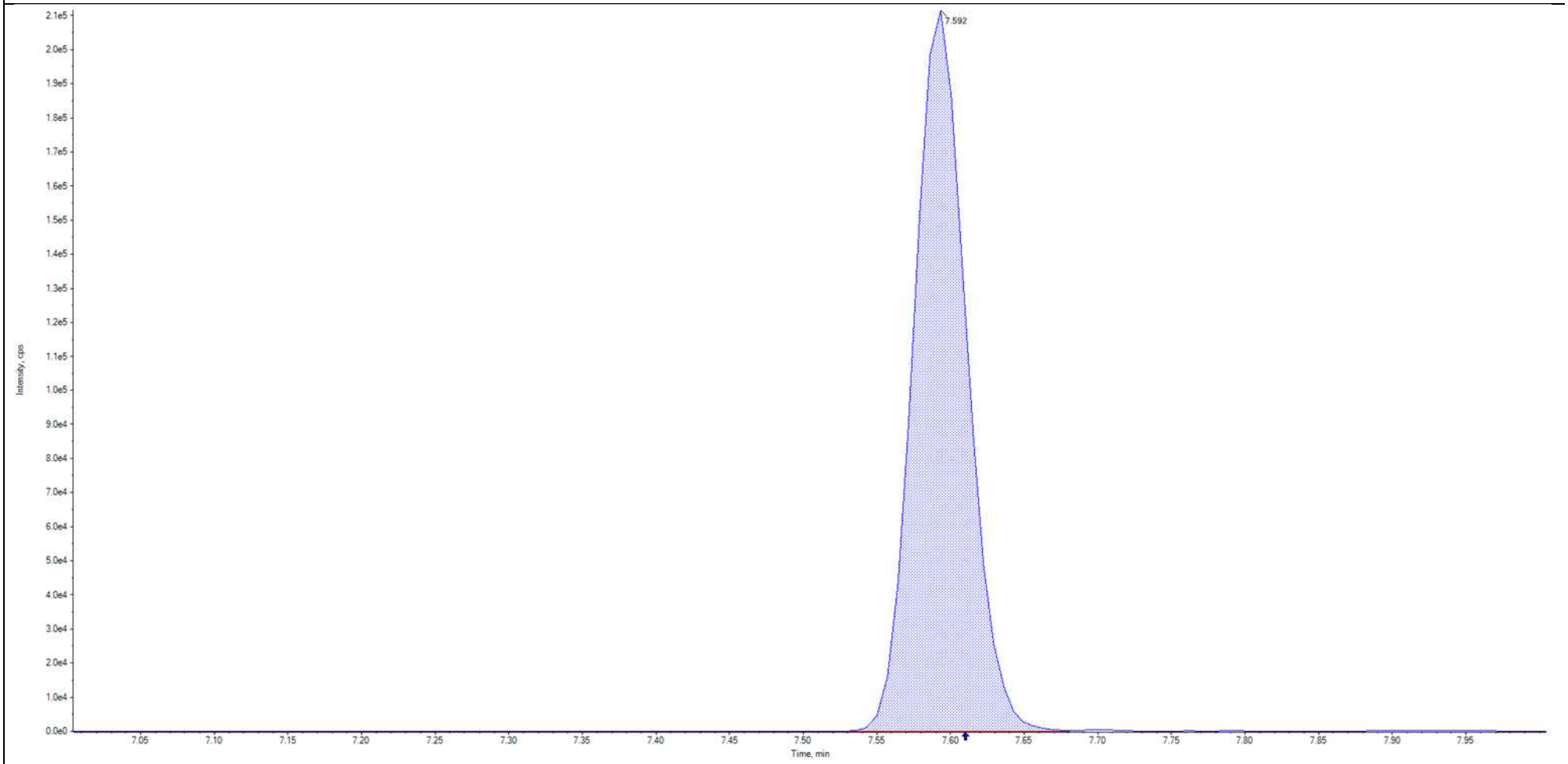
13C3-PFHxS
Sample: L2447503-10



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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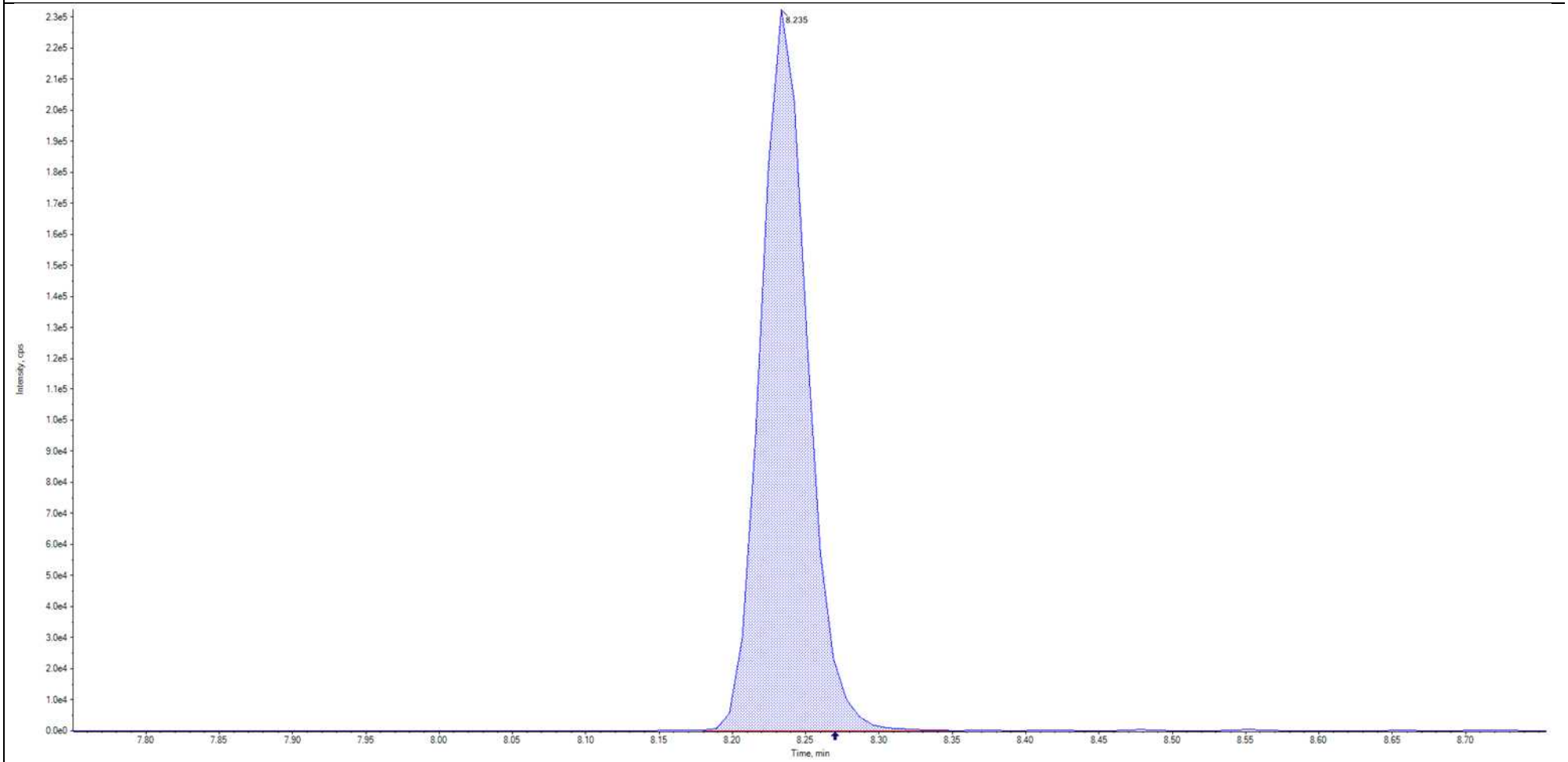
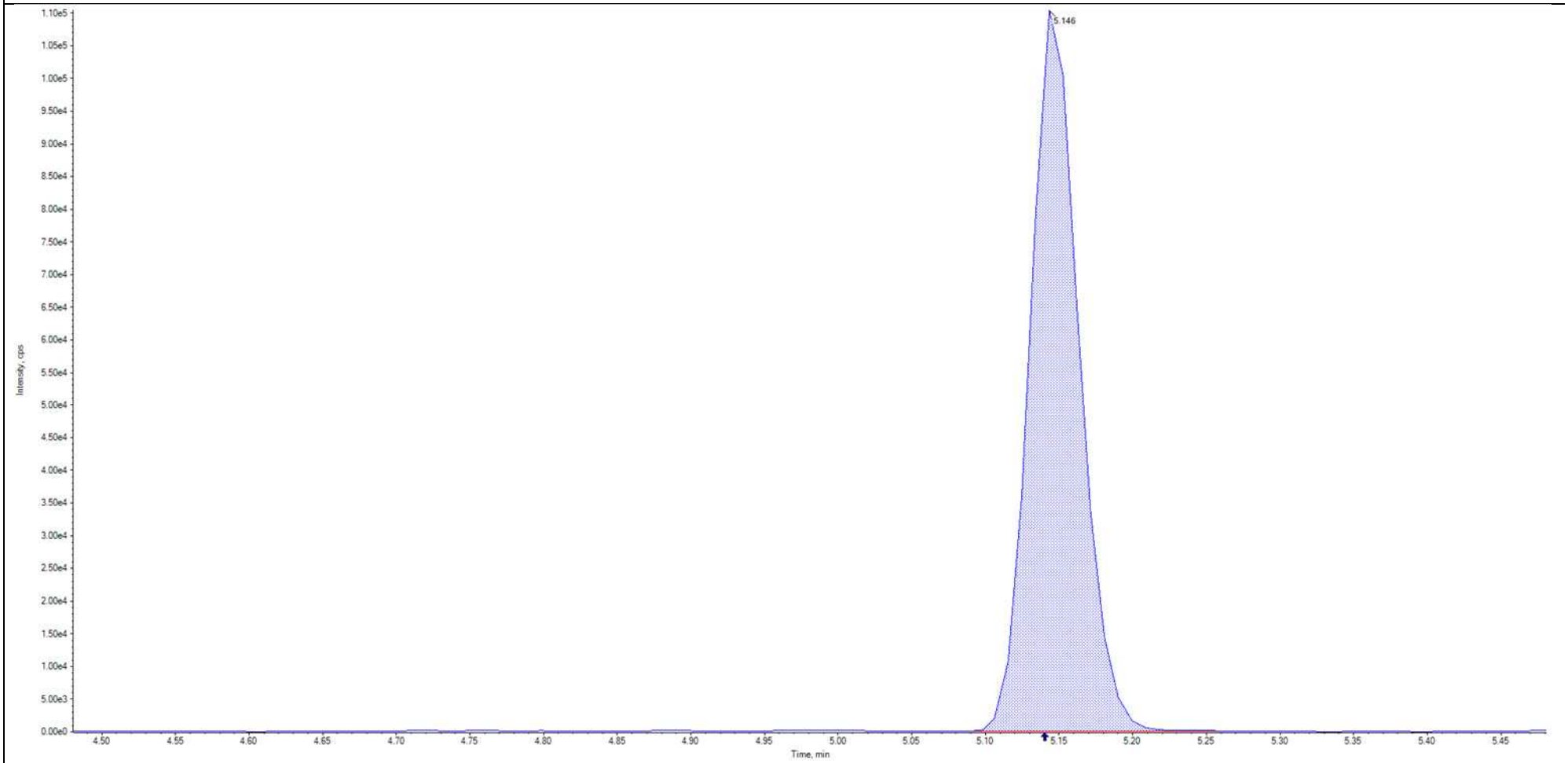
Generated: 9/17/2024 11:31:06 AM

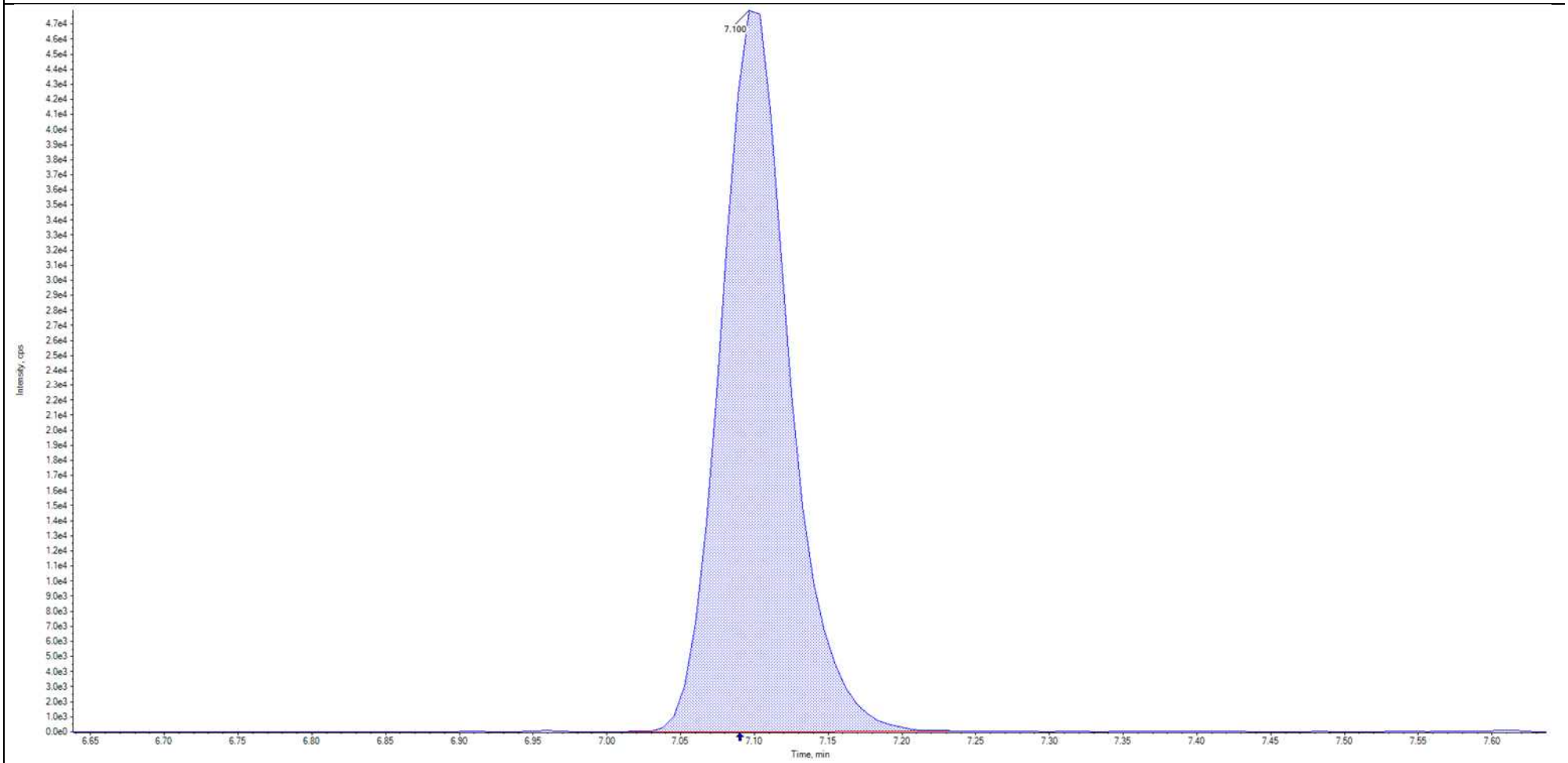
13C8-PFOS
Sample: L2447503-10



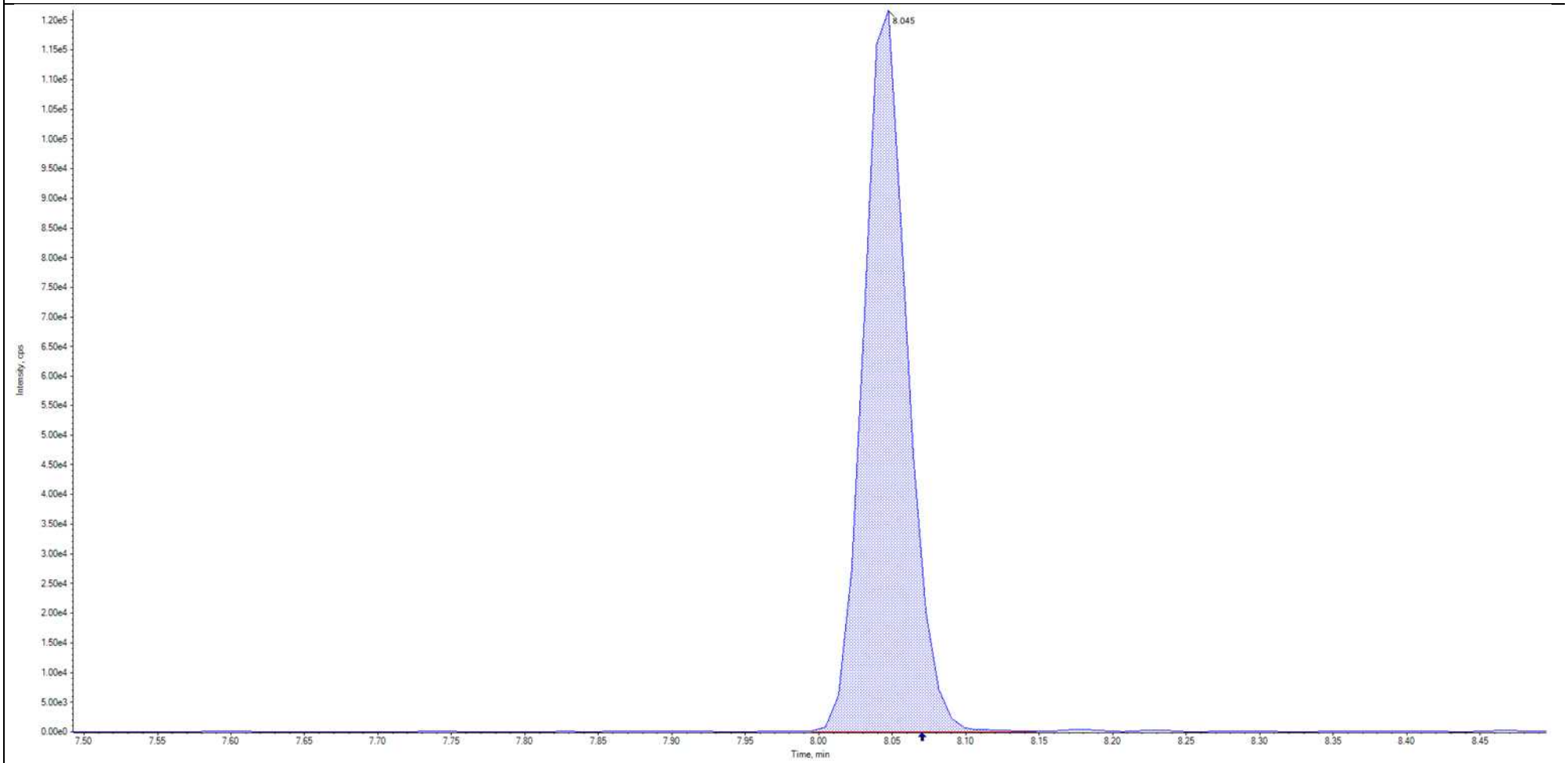
13C2-4:2FTS
Sample: L2447503-10



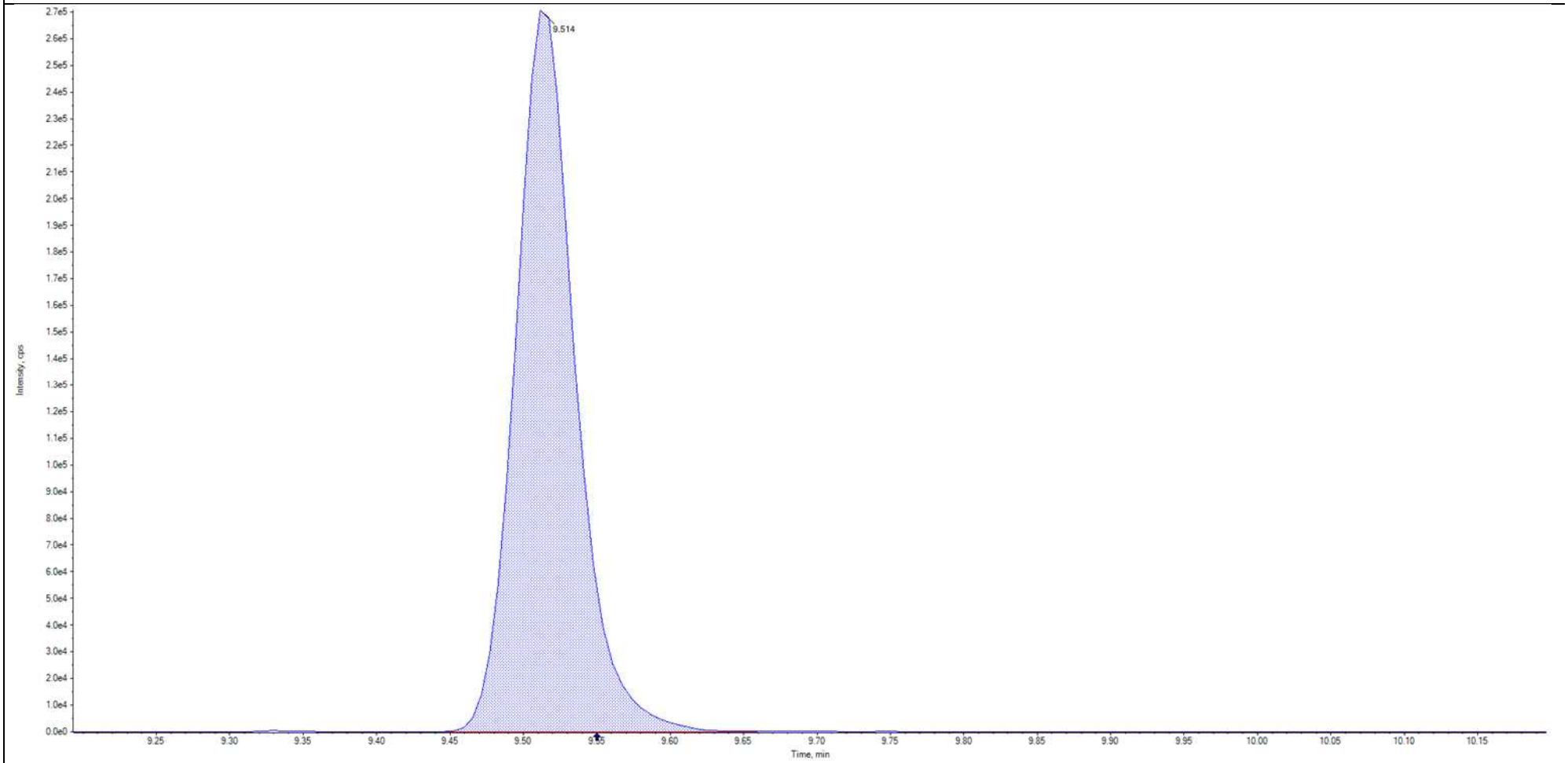
13C2-6:2FTS
Sample: L2447503-10



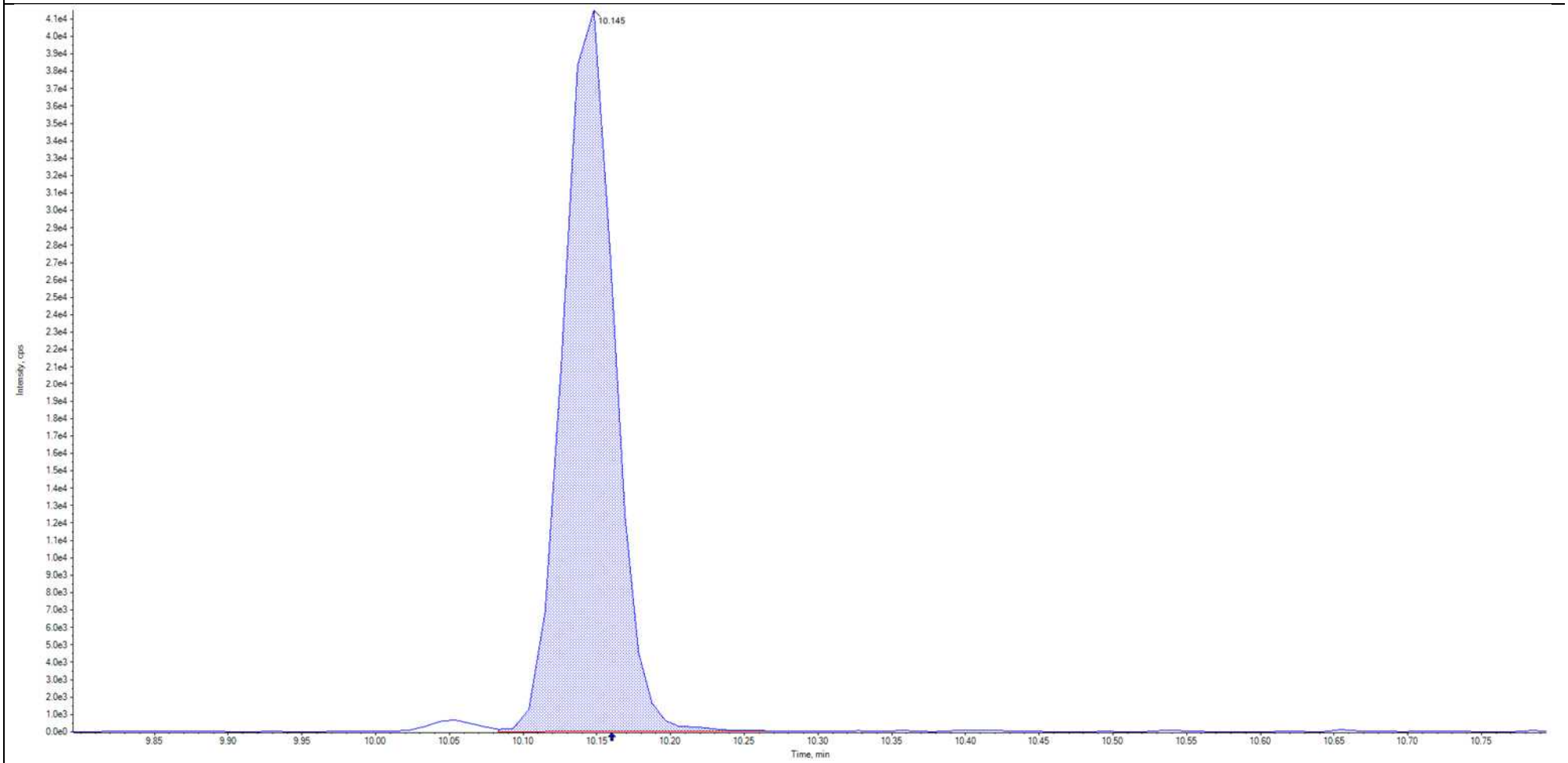
13C2-8:2FTS
Sample: L2447503-10



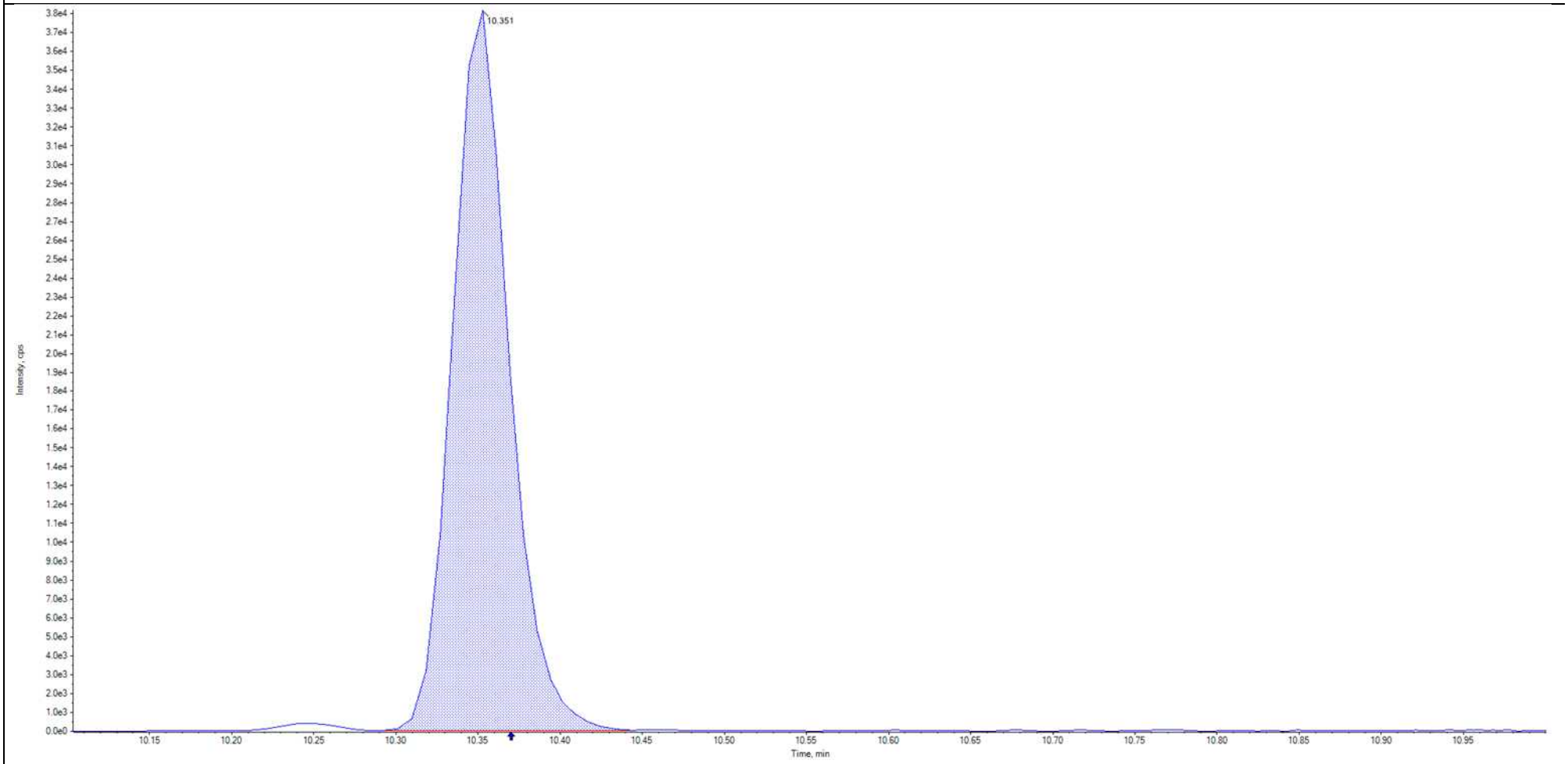
13C8-PFOSA
Sample: L2447503-10



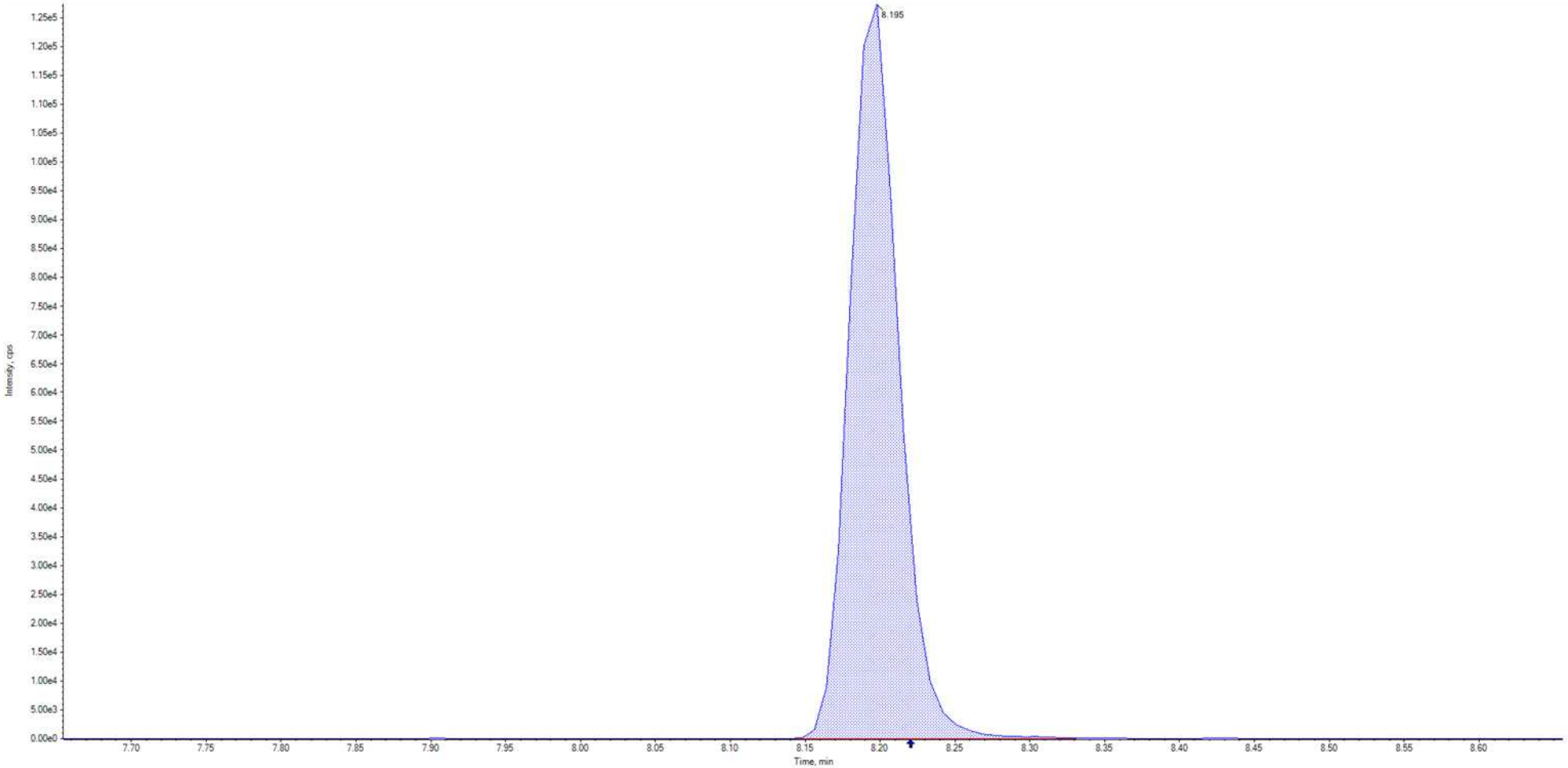
d3-NMeFOSA
Sample: L2447503-10



d5-NEtFOSA
Sample: L2447503-10



d3-NMeFOSAA
Sample: L2447503-10



d5-NEtFOSAA
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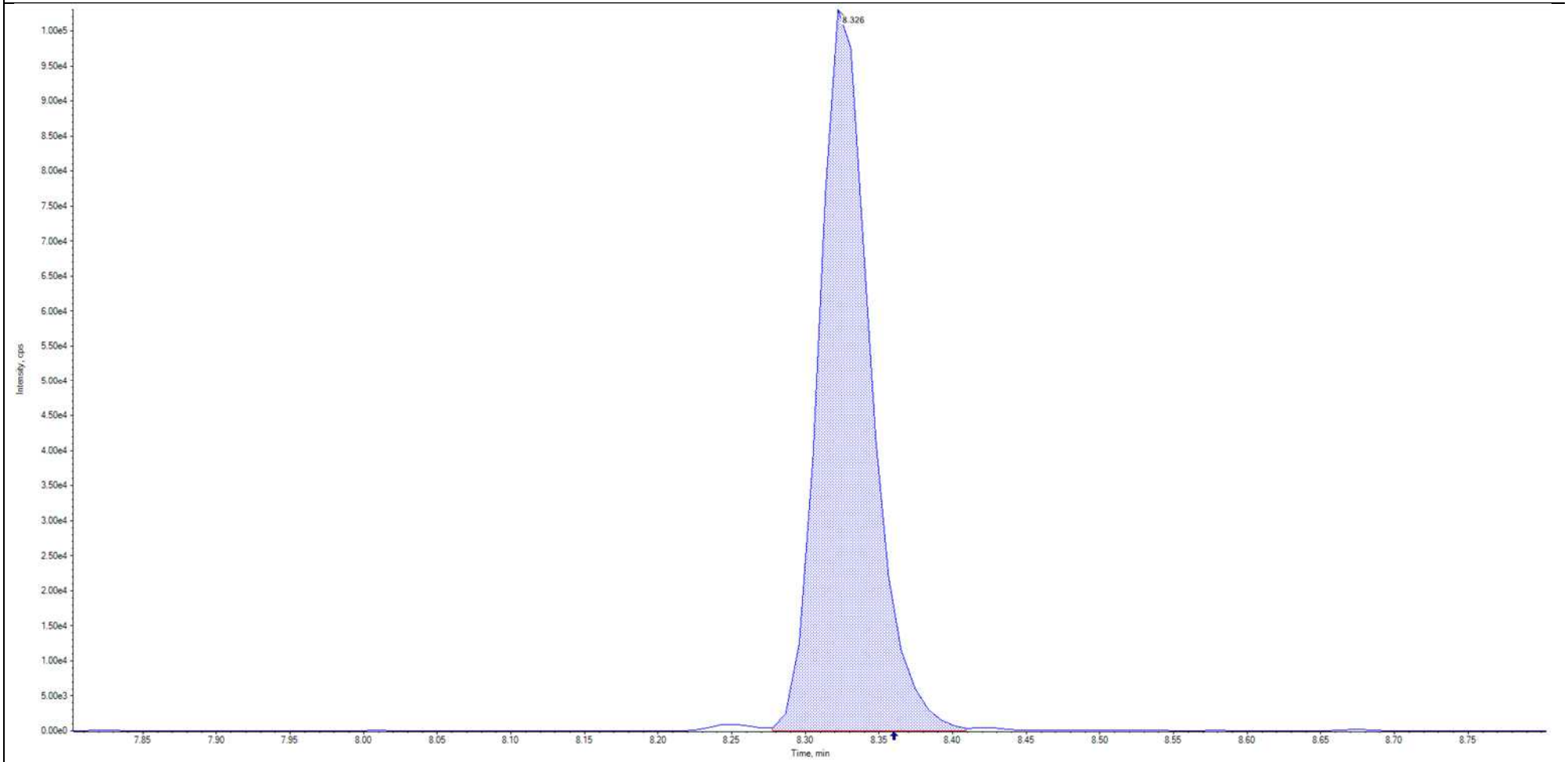
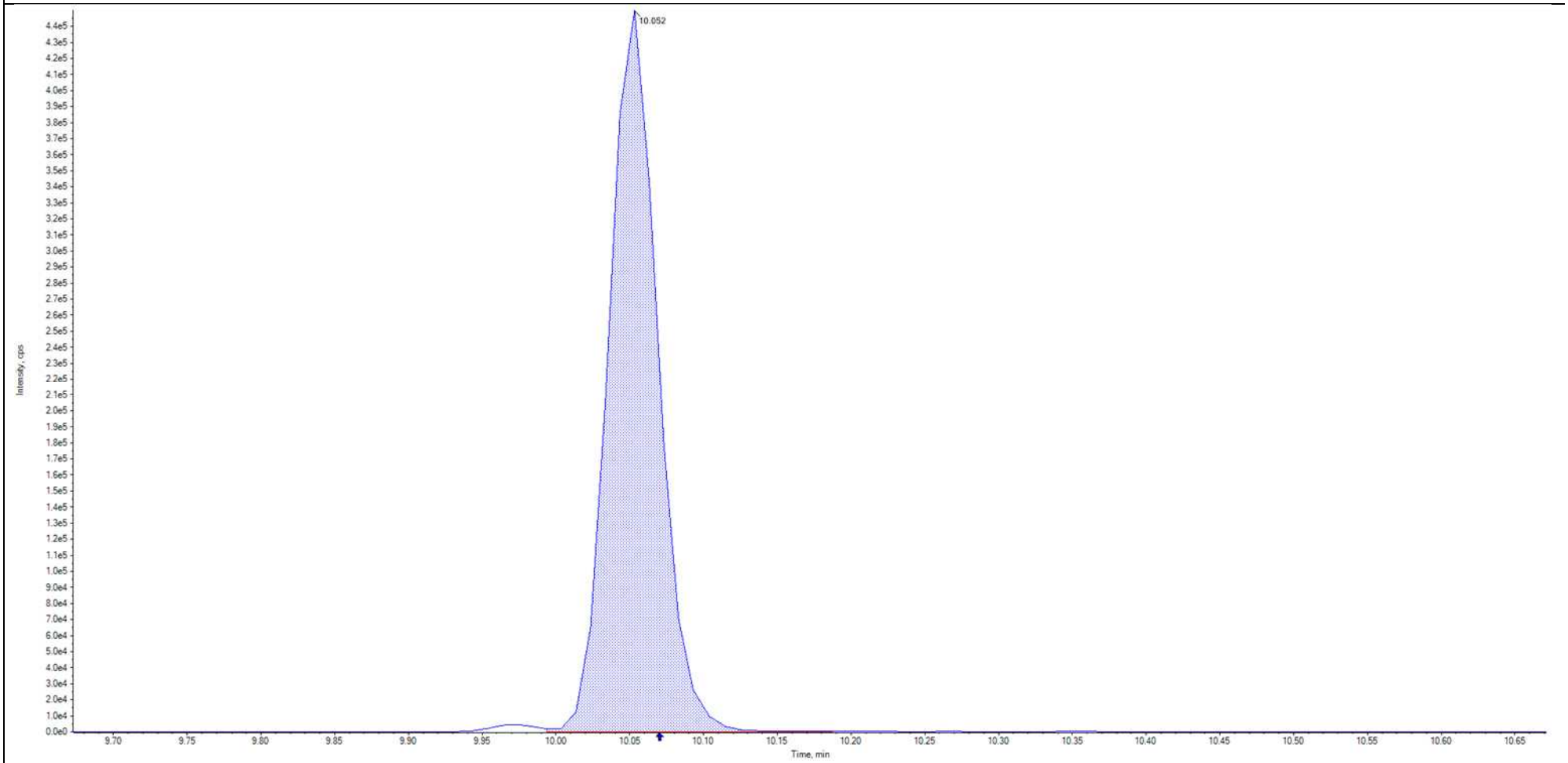
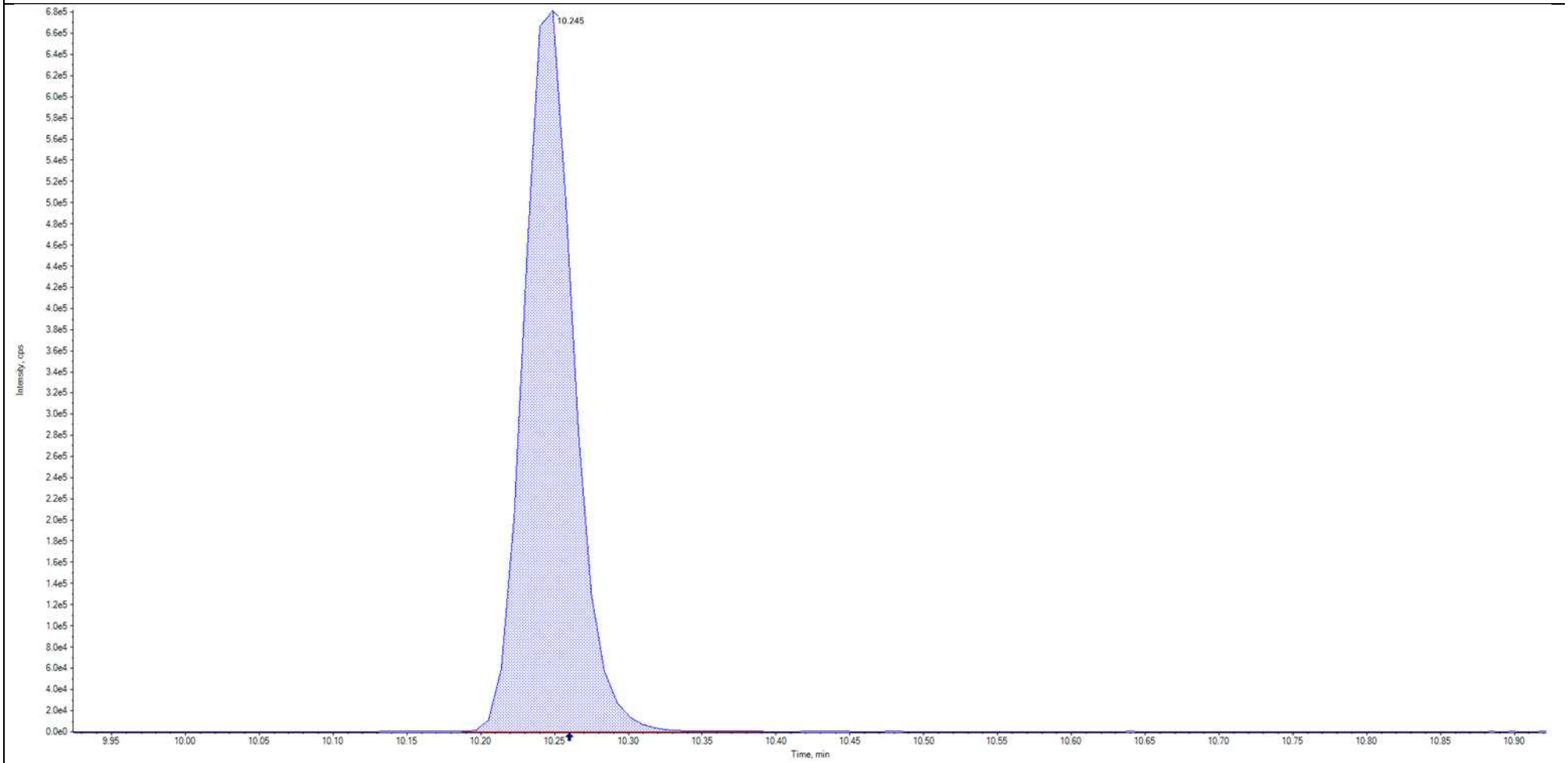


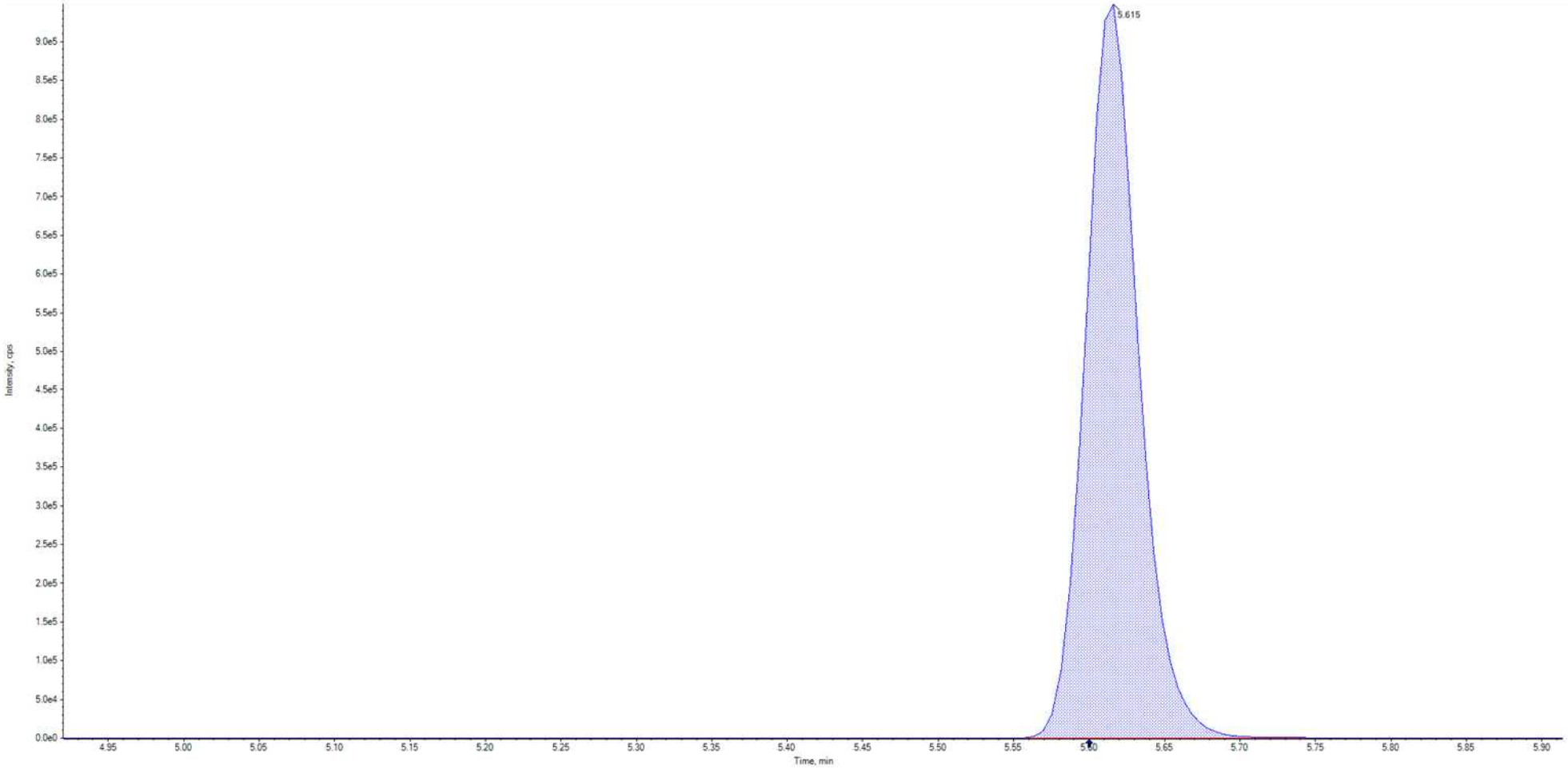
d7-NMeFOSE
Sample: L2447503-10



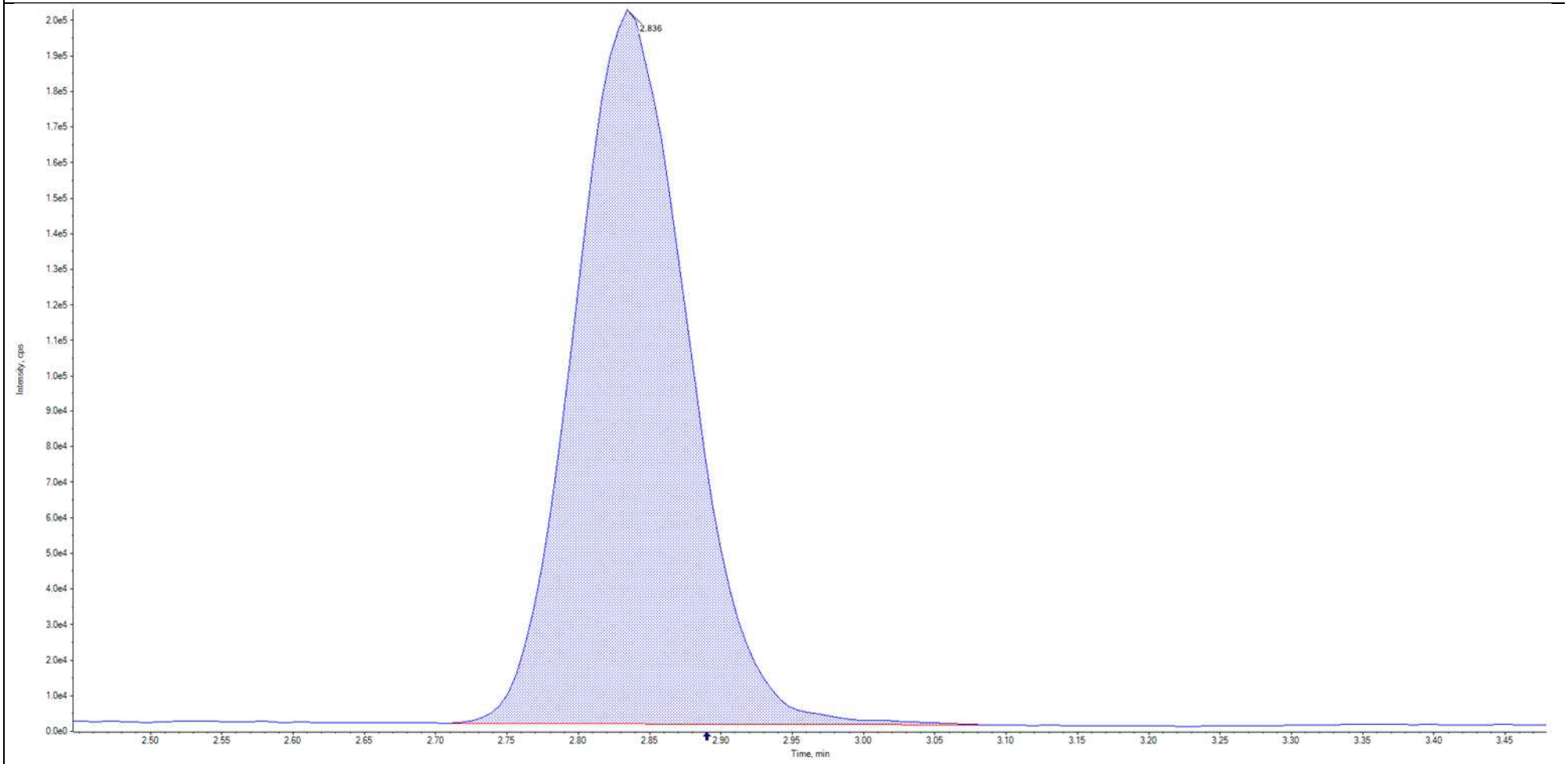
d9-NEtFOSE
Sample: L2447503-10



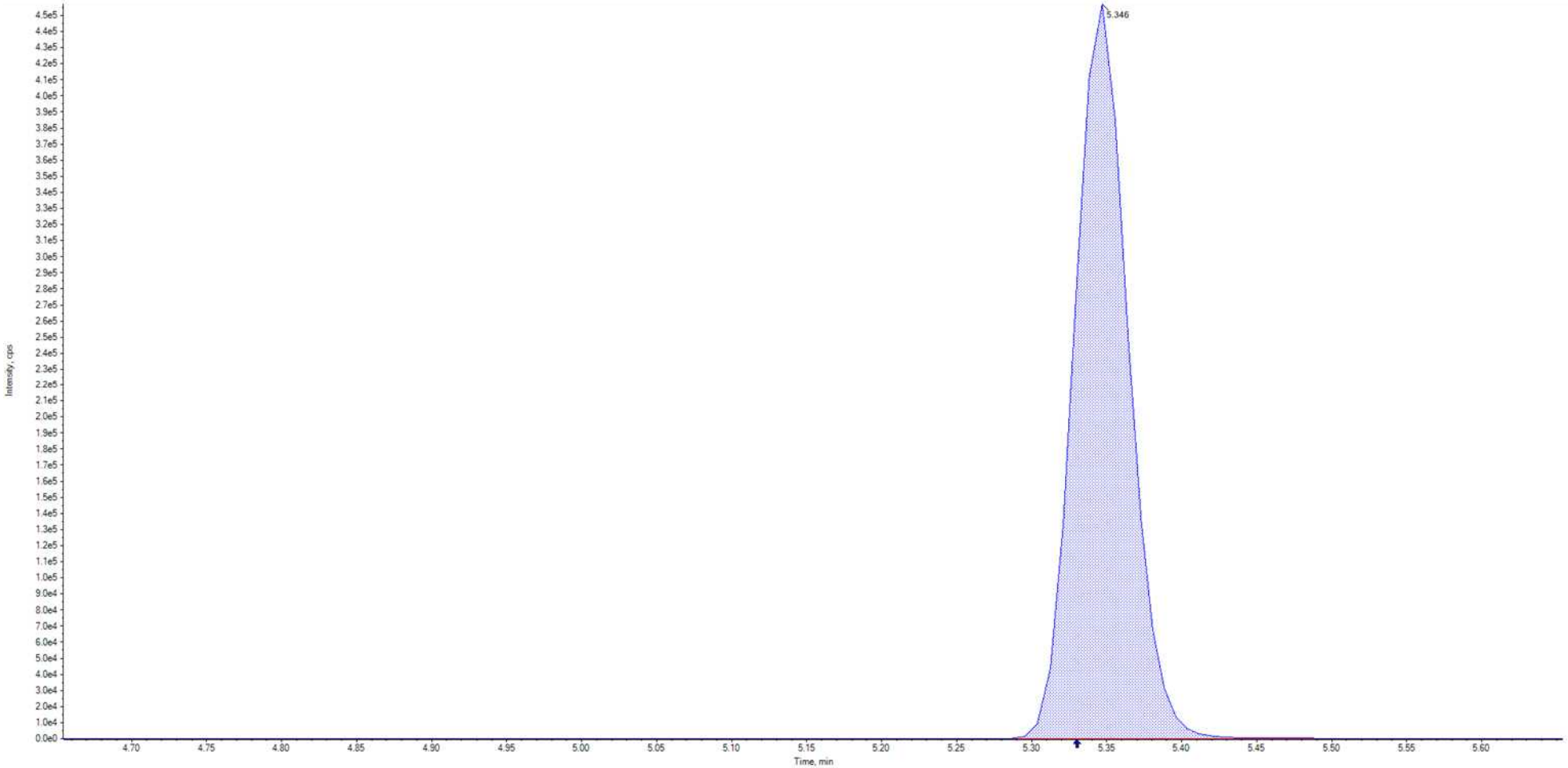
13C3-HFPO-DA
Sample: L2447503-10



13C3-PFBA
Sample: L2447503-10



13C2-PFHxA
Sample: L2447503-10



13C4-PFOA
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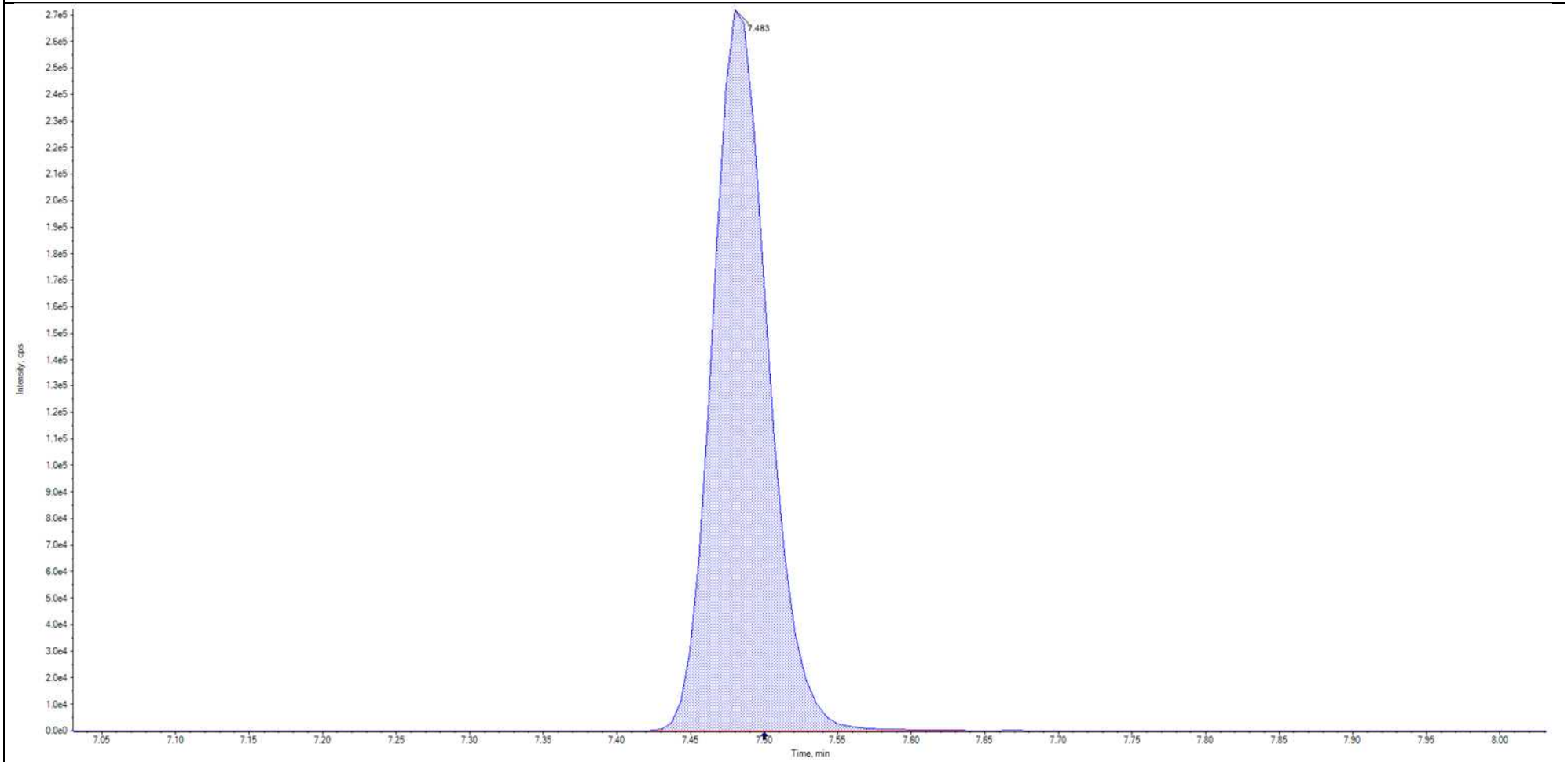

13C5-PFNA
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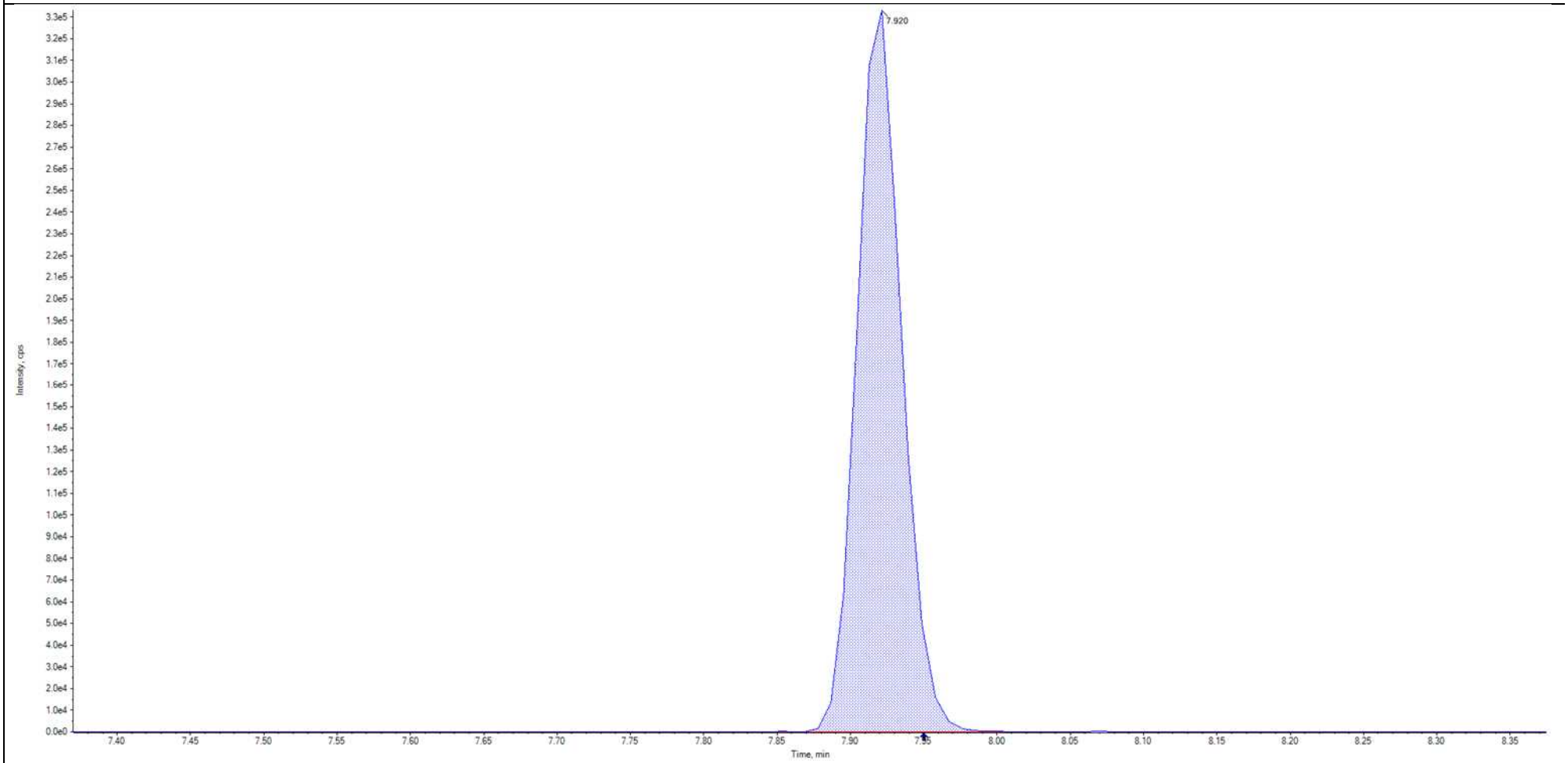

13C2-PFDA
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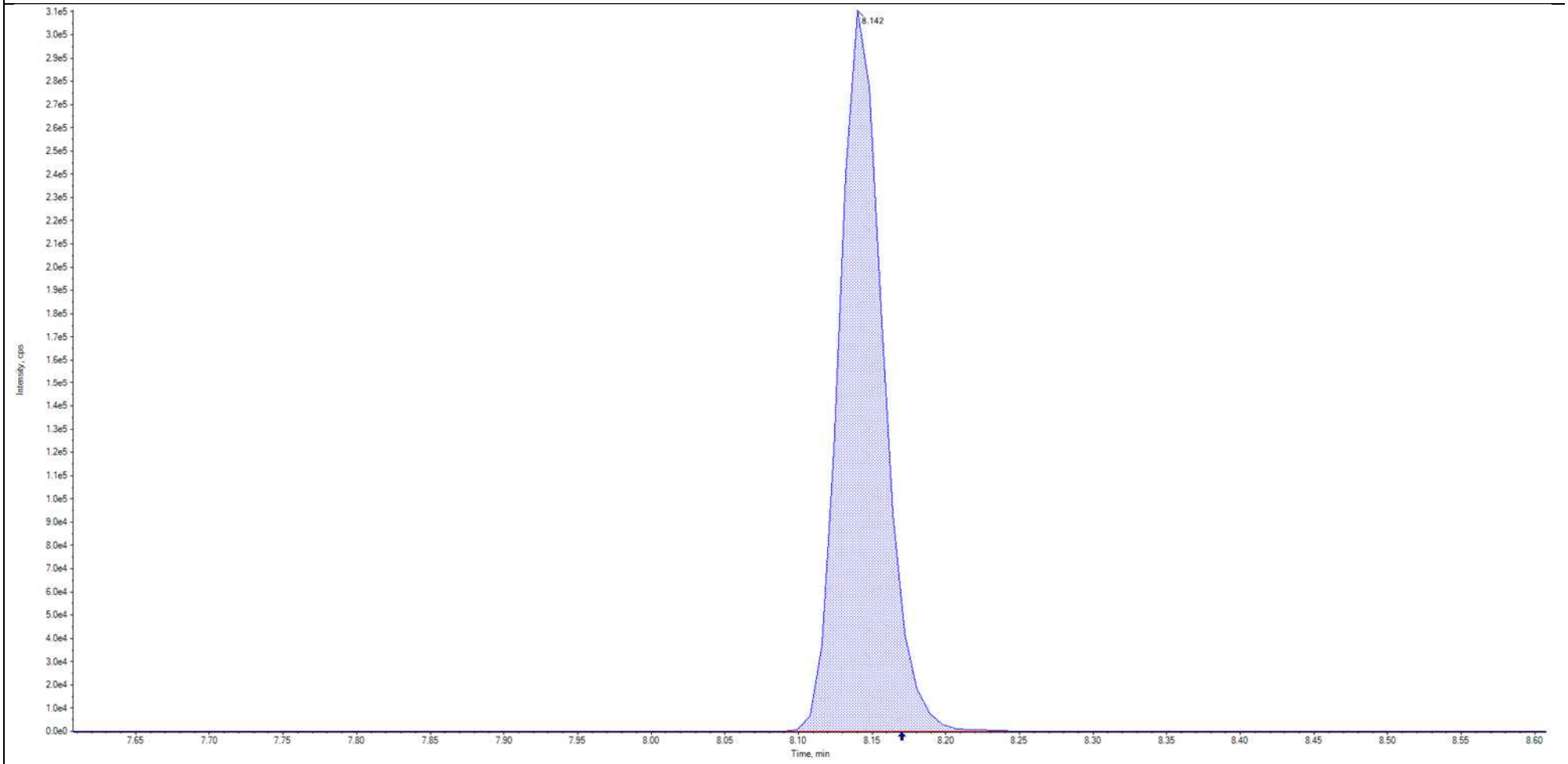

18O2-PFHxS
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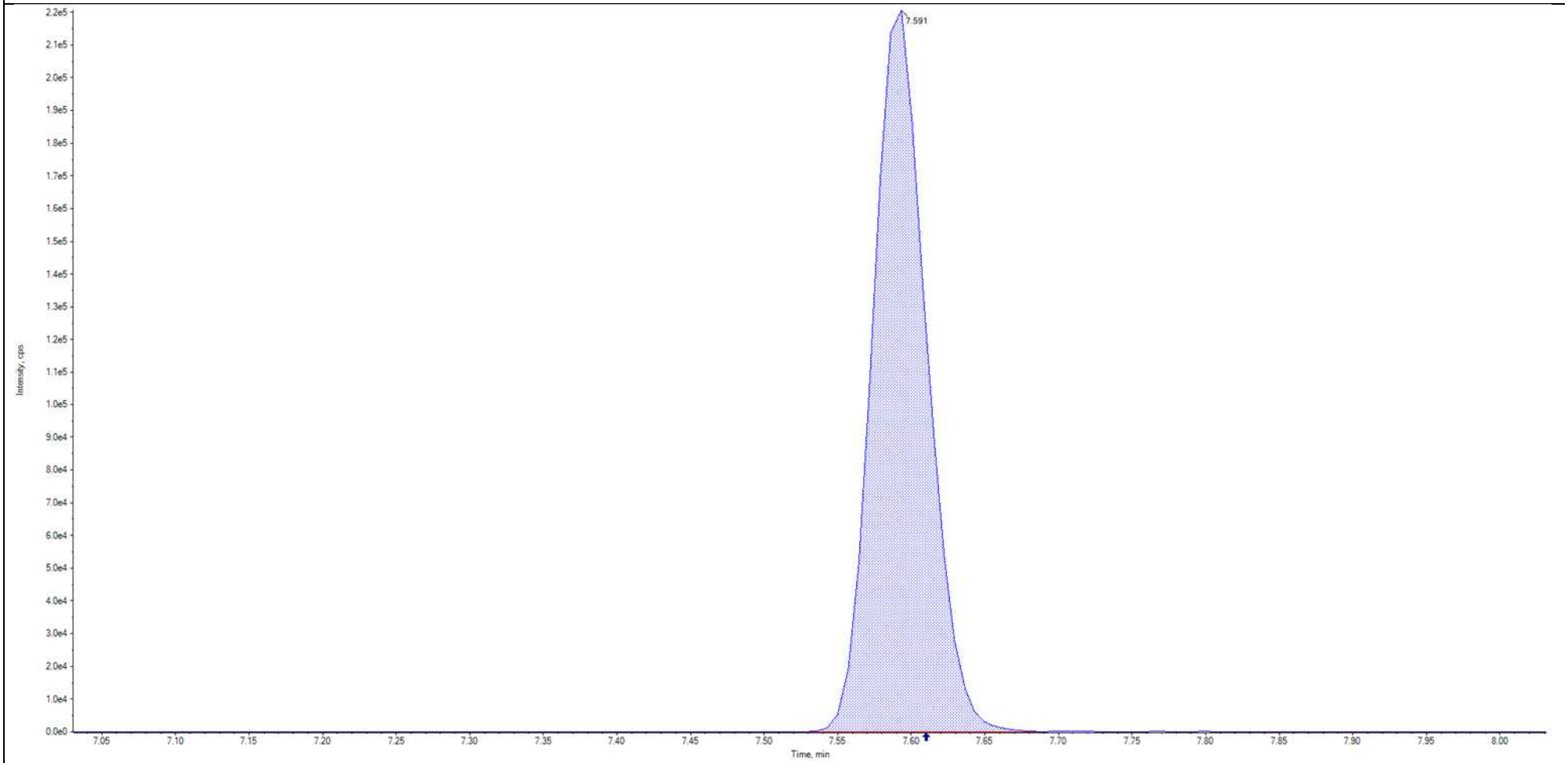

13C4-PFOS
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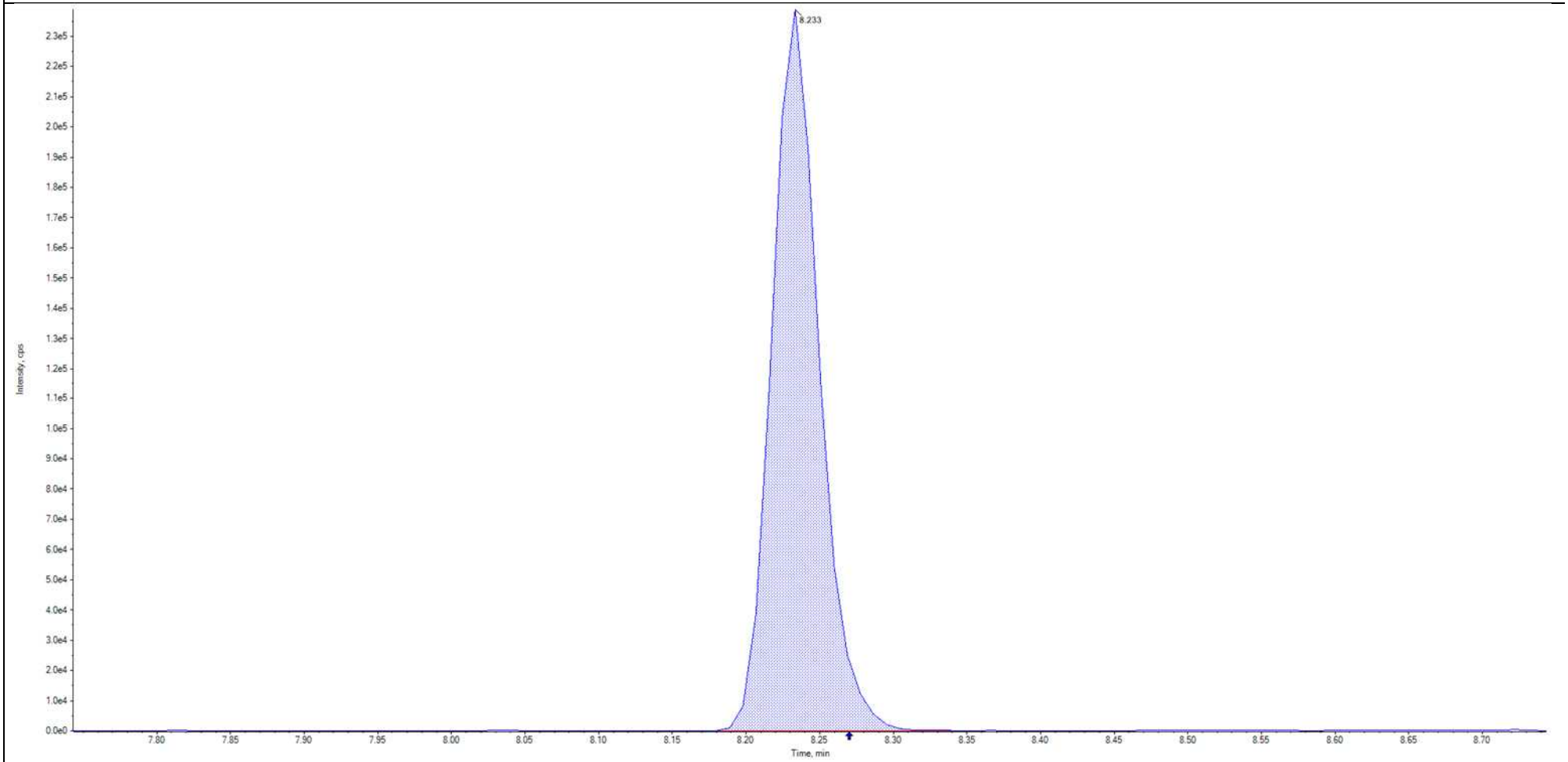

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Generated: 9/17/2024 11:31:06 AM

Method: EPA1633_NIS_CALC.qmethod
Calibration: 240813_1633_ICAL

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Instrument: Triple Quad 5500+
User: LCMS05:AC

LC/MS-MS Method:EPA_1633.dam

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
1	PFBA	375-22-4	N/A	213.0 / 169.0	N/A		N/A	N/A	N/A	N/A	N/A
2	PFPeA	2706-90-3	N/A	263.0 / 219.0	N/A		N/A	N/A	0.007	N/A	N/A
3	PFPeA_2	2706-90-3	N/A	263.0 / 68.9	N/A		N/A	N/A	0.007	N/A	N/A
4	PFHxA	307-24-4	N/A	313.0 / 269.0	N/A		N/A	N/A	0.072	N/A	N/A
5	PFHxA_2	307-24-4	N/A	313.0 / 119.0	N/A		N/A	N/A	0.072	N/A	N/A
6	PFHpA	375-85-9	N/A	363.1 / 319.0	N/A		N/A	N/A	0.297	N/A	N/A
7	PFHpA_2	375-85-9	N/A	363.1 / 169.0	N/A		N/A	N/A	0.297	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
8	PFOA	335-67-1	N/A	413.1 / 369.1	N/A		N/A	N/A	0.586	N/A	N/A
9	PFOA_2	335-67-1	N/A	413.1 / 169.0	N/A		N/A	N/A	0.586	N/A	N/A
10	PFNA	375-95-1	N/A	462.8 / 418.9	N/A		N/A	N/A	0.313	N/A	N/A
11	PFNA_2	375-95-1	N/A	462.8 / 218.9	N/A		N/A	N/A	0.313	N/A	N/A
12	PFDA	335-76-2	N/A	513.1 / 469.1	N/A		N/A	N/A	0.142	N/A	N/A
13	PFDA_2	335-76-2	N/A	513.1 / 219.0	N/A		N/A	N/A	0.142	N/A	N/A
14	PFUnA	2058-94-8	N/A	563.1 / 519.1	N/A		N/A	N/A	0.194	N/A	N/A
15	PFUnA_2	2058-94-8	N/A	563.1 / 269.0	N/A		N/A	N/A	0.194	N/A	N/A
16	PFDoA	307-55-1	N/A	613.1 / 569.1	N/A		N/A	N/A	0.167	N/A	N/A
17	PFDoA_2	307-55-1	N/A	613.1 / 319.0	N/A		N/A	N/A	0.167	N/A	N/A
18	PFTrDA	72629-94-8	N/A	663.1 / 619.1	N/A		N/A	N/A	0.228	N/A	N/A
19	PFTrDA_2	72629-94-8	N/A	663.1 / 169.0	N/A		N/A	N/A	0.228	N/A	N/A
20	PFTeDA	376-06-7	N/A	713.1 / 669.1	N/A		N/A	N/A	0.137	N/A	N/A
21	PFTeDA_2	376-06-7	N/A	713.1 / 169.0	N/A		N/A	N/A	0.137	N/A	N/A
22	PFBS	375-73-5	N/A	299.1 / 80.1	N/A		N/A	N/A	0.396	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
23	PFBS_2	375-73-5	N/A	299.1 / 99.1	N/A		N/A	N/A	0.396	N/A	N/A
24	PFPeS	2706-91-4	N/A	349.1 / 80.1	N/A		N/A	N/A	0.299	N/A	N/A
25	PFPeS_2	2706-91-4	N/A	349.1 / 99.1	N/A		N/A	N/A	0.299	N/A	N/A
26	PFHxS	355-46-4	N/A	399.1 / 80.1	N/A		N/A	N/A	0.315	N/A	N/A
27	PFHxS_2	355-46-4	N/A	399.1 / 99.1	N/A		N/A	N/A	0.315	N/A	N/A
28	PFHpS	375-92-8	N/A	449.1 / 80.1	N/A		N/A	N/A	0.287	N/A	N/A
29	PFHpS_2	375-92-8	N/A	449.1 / 99.1	N/A		N/A	N/A	0.287	N/A	N/A
30	PFOS	1763-23-1	N/A	499.1 / 80.1	N/A		N/A	N/A	0.238	N/A	N/A
31	PFOS_2	1763-23-1	N/A	499.1 / 99.1	N/A		N/A	N/A	0.238	N/A	N/A
32	PFNS	68259-12-1	N/A	549.1 / 80.1	N/A		N/A	N/A	0.301	N/A	N/A
33	PFNS_2	68259-12-1	N/A	549.1 / 99.1	N/A		N/A	N/A	0.301	N/A	N/A
34	PFDS	335-77-3	N/A	599.1 / 80.1	N/A		N/A	N/A	0.275	N/A	N/A
35	PFDS_2	335-77-3	N/A	599.1 / 99.1	N/A		N/A	N/A	0.275	N/A	N/A
36	PFDoS	79780-39-5	N/A	699.2 / 80.1	N/A		N/A	N/A	0.274	N/A	N/A
37	PFDoS_2	79780-39-5	N/A	699.2 / 99.1	N/A		N/A	N/A	0.274	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
38	4:2FTS	757124-72-4	N/A	327.1 / 307.1	N/A		N/A	N/A	0.516	N/A	N/A
39	4:2FTS_2	757124-72-4	N/A	327.1 / 81.1	N/A		N/A	N/A	0.516	N/A	N/A
40	6:2FTS	27619-97-2	N/A	427.2 / 407.2	N/A		N/A	N/A	0.565	N/A	N/A
41	6:2FTS_2	27619-97-2	N/A	427.2 / 81.1	N/A		N/A	N/A	0.565	N/A	N/A
42	8:2FTS	39108-34-4	N/A	527.2 / 507.2	N/A		N/A	N/A	0.662	N/A	N/A
43	8:2FTS_2	39108-34-4	N/A	527.2 / 81.1	N/A		N/A	N/A	0.662	N/A	N/A
44	PFOSA	754-91-6	N/A	498.1 / 78.1	N/A		N/A	N/A	0.025	N/A	N/A
45	PFOSA_2	754-91-6	N/A	498.1 / 478.0	N/A		N/A	N/A	0.025	N/A	N/A
46	NMeFOSA	31506-32-8	N/A	512.2 / 219.0	N/A		N/A	N/A	1.551	N/A	N/A
47	NMeFOSA_2	31506-32-8	N/A	512.2 / 169.0	N/A		N/A	N/A	1.551	N/A	N/A
48	NEtFOSA	4151-50-2	N/A	526.2 / 219.0	N/A		N/A	N/A	1.285	N/A	N/A
49	NEtFOSA_2	4151-50-2	N/A	526.2 / 169.0	N/A		N/A	N/A	1.285	N/A	N/A
50	NMeFOSAA	2355-31-9	N/A	570.2 / 419.1	N/A		N/A	N/A	0.700	N/A	N/A
51	NMeFOSAA_2	2355-31-9	N/A	570.2 / 483.0	N/A		N/A	N/A	0.700	N/A	N/A
52	NEtFOSAA	2991-50-6	N/A	584.2 / 419.1	N/A		N/A	N/A	0.487	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
53	NEtFOSAA_2	2991-50-6	N/A	584.2 / 526.2	N/A		N/A	N/A	0.487	N/A	N/A
54	NMeFOSE	24448-09-7	N/A	616.1 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
55	NEtFOSE	1691-99-2	N/A	630.0 / 58.9	N/A		N/A	N/A	N/A	N/A	N/A
56	HFPO-DA	13252-13-6	N/A	285.0 / 169.0	N/A		N/A	N/A	0.464	N/A	N/A
57	HFPO-DA_2	13252-13-6	N/A	285.0 / 184.9	N/A		N/A	N/A	0.464	N/A	N/A
58	ADONA	919005-14-4	N/A	377.1 / 251.0	N/A		N/A	N/A	0.634	N/A	N/A
59	ADONA_2	919005-14-4	N/A	377.1 / 84.8	N/A		N/A	N/A	0.634	N/A	N/A
60	9Cl-PF3ONS	756426-58-1	N/A	530.8 / 351.1	N/A		N/A	N/A	0.322	N/A	N/A
61	9Cl-PF3ONS_2	756426-58-1	N/A	532.8 / 353.0	N/A		N/A	N/A	0.322	N/A	N/A
62	11Cl-PF3OUdS	763051-92-9	N/A	630.9 / 451.0	N/A		N/A	N/A	0.331	N/A	N/A
63	11Cl-PF3OUdS_2	763051-92-9	N/A	632.9 / 452.9	N/A		N/A	N/A	0.331	N/A	N/A
64	3:3FTCA	356-02-5	N/A	241.1 / 177.1	N/A		N/A	N/A	1.074	N/A	N/A
65	3:3FTCA_2	356-02-5	N/A	241.1 / 117.0	N/A		N/A	N/A	1.074	N/A	N/A
66	5:3FTCA	914637-49-3	N/A	341.1 / 237.1	N/A		N/A	N/A	0.953	N/A	N/A
67	5:3FTCA_2	914637-49-3	N/A	341.1 / 217.0	N/A		N/A	N/A	0.953	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
68	7:3FTCA	812-70-4	N/A	441.1 / 316.9	N/A		N/A	N/A	1.558	N/A	N/A
69	7:3FTCA_2	812-70-4	N/A	441.1 / 337.1	N/A		N/A	N/A	1.558	N/A	N/A
70	PFEESA	113507-82-7	N/A	315.1 / 135.0	N/A		N/A	N/A	0.087	N/A	N/A
71	PFEESA_2	113507-82-7	N/A	315.1 / 82.9	N/A		N/A	N/A	0.087	N/A	N/A
72	PFMPA	377-73-1	N/A	229.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
73	PFMBA	863090-89-5	N/A	279.0 / 85.0	N/A		N/A	N/A	N/A	N/A	N/A
74	NFDHA	151772-58-6	N/A	295.0 / 201.0	N/A		N/A	N/A	0.910	N/A	N/A
75	NFDHA_2	151772-58-6	N/A	295.0 / 84.9	N/A		N/A	N/A	0.910	N/A	N/A
76	TDCA	516-50-7	N/A	499.1 / 124.1	N/A		N/A	N/A	40.716	N/A	N/A
77	TDCA_2	516-50-7	N/A	499.1 / 79.9	N/A		N/A	N/A	40.716	N/A	N/A
78	13C2D4-4:2FTS	Surr	N/A	333.2 / 312.1	N/A		N/A	N/A	N/A	N/A	N/A
79	13C2-PFOA	Surr	N/A	415.0 / 370.0	N/A		N/A	N/A	N/A	N/A	N/A

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C4-PFBA	EIS	2.84	217.0 / 172.0	1982166		7.554	NA	NA	NA	75.5

Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
13C5-PFPeA	EIS	4.66	268.0 / 223.0	1358903		4.441	NA	NA	NA	88.8
13C5-PFHxA	EIS	5.35	318.0 / 273.0	754555		1.877	NA	NA	NA	75.1
13C4-PFHpA	EIS	6.26	367.0 / 322.0	776906		1.931	NA	NA	NA	77.2
13C8-PFOA	EIS	7.49	421.0 / 376.0	1189202		2.091	NA	NA	NA	83.6
13C9-PFNA	EIS	7.92	472.0 / 427.0	548412		0.964	NA	NA	NA	77.1
13C6-PFDA	EIS	8.14	519.0 / 474.0	501142		0.889	NA	NA	NA	71.1
13C7-PFUnA	EIS	8.42	570.0 / 525.0	395770		0.867	NA	NA	NA	69.4

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C2-PFDoA	EIS	8.83	615.1 / 570.0	331419		1.116	NA	NA	NA	89.3
	13C2-PFTeDA	EIS	9.85	715.1 / 670.1	250041		0.776	NA	NA	NA	62.1
	13C3-PFBS	EIS	5.32	302.1 / 80.1	591858		1.619	NA	NA	NA	69.5
	13C3-PFHxS	EIS	7.59	402.1 / 80.1	485182		1.671	NA	NA	NA	70.5
	13C8-PFOS	EIS	8.23	507.1 / 80.1	489374		1.690	NA	NA	NA	70.6
	13C2-4:2FTS	EIS	5.15	329.1 / 81.1	219085		3.358	NA	NA	NA	71.6
	13C2-6:2FTS	EIS	7.10	429.2 / 81.1	152107		3.182	NA	NA	NA	66.9
	13C2-8:2FTS	EIS	8.05	529.2 / 81.1	232115		3.317	NA	NA	NA	69.1

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C8-PFOSA	EIS	9.51	506.1 / 78.1	736134		1.913	NA	NA	NA	76.5
	d3-NMeFOSA	EIS	10.14	515.2 / 219.0	102279		1.579	NA	NA	NA	63.2
	d5-NEtFOSA	EIS	10.35	531.2 / 219.0	87712		1.386	NA	NA	NA	55.4
	d3-NMeFOSAA	EIS	8.19	573.2 / 419.1	290714		1.985	NA	NA	NA	39.7
	d5-NEtFOSAA	EIS	8.32	589.3 / 419.1	229437		2.981	NA	NA	NA	59.6
	d7-NMeFOSE	EIS	10.05	623.2 / 58.9	949066		18.970	NA	NA	NA	75.9
	d9-NEtFOSE	EIS	10.25	639.2 / 58.9	1414535		19.177	NA	NA	NA	76.7

	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec
	13C3-HFPO-DA	EIS	5.61	287.0 / 169.0	2146367		8.058	NA	NA	NA	80.6
	13C3-PFBA	NIS	2.84	216.0 / 172.0	1147787		5.368	NA	NA	NA	107.4
	13C2-PFHxA	NIS	5.35	315.0 / 270.0	1193340		2.437	NA	NA	NA	97.5
	13C4-PFOA	NIS	7.49	417.0 / 372.0	744168		2.377	NA	NA	NA	95.1
	13C5-PFNA	NIS	7.92	468.0 / 423.0	693213		1.266	NA	NA	NA	101.2
	13C2-PFDA	NIS	8.14	515.1 / 470.1	662619		1.293	NA	NA	NA	103.5
	18O2-PFHxS	NIS	7.59	403.1 / 84.1	590119		2.519	NA	NA	NA	106.3
	13C4-PFOS	NIS	8.23	503.1 / 80.1	512063		2.432	NA	NA	NA	101.5

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	Analyte Name	CAS	RT	Trace	Area	M Flag	Conc (ng/mL)	Ion Ratio	Expected Ratio	Ion Q	%Rec

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFBA
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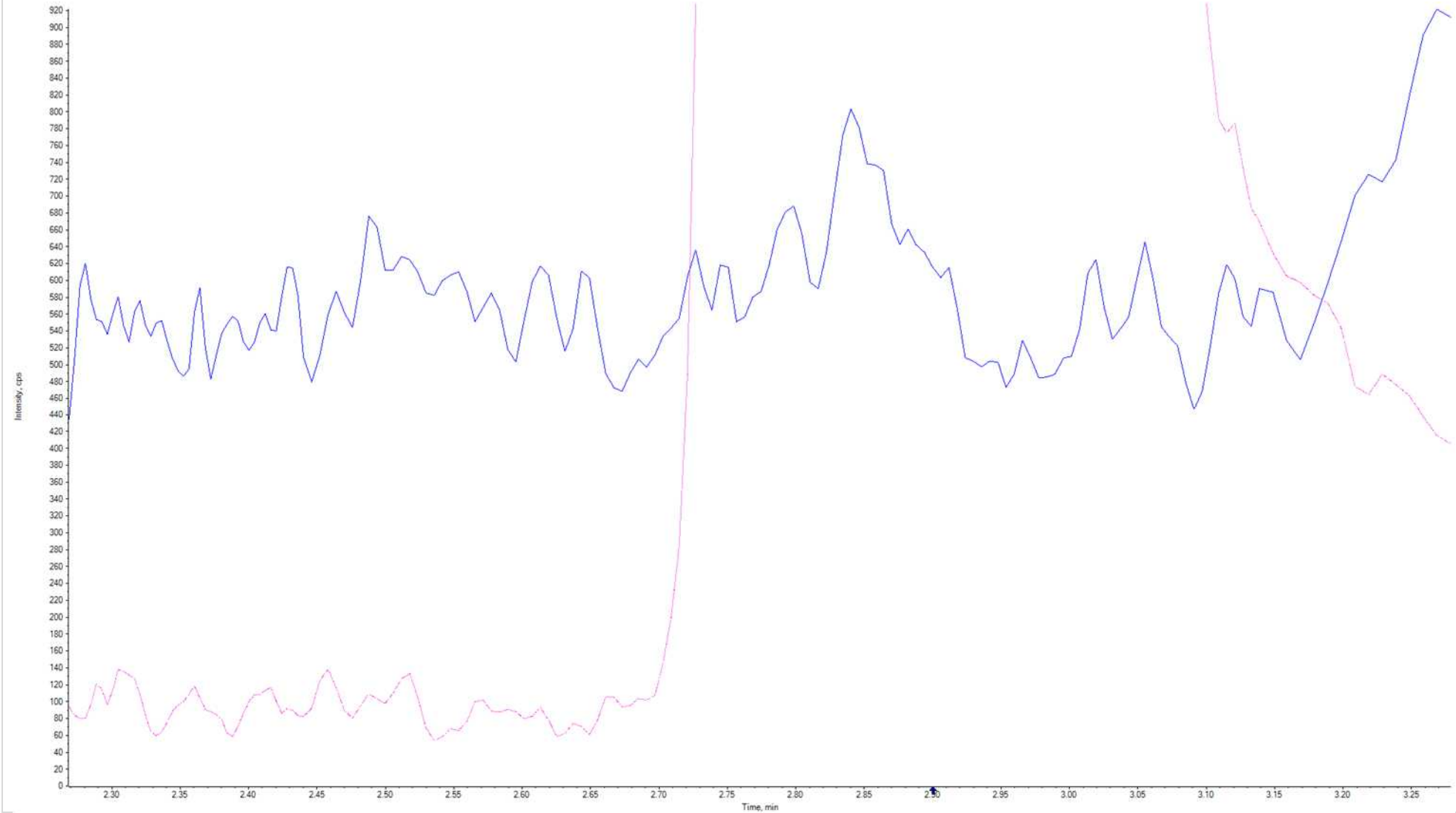

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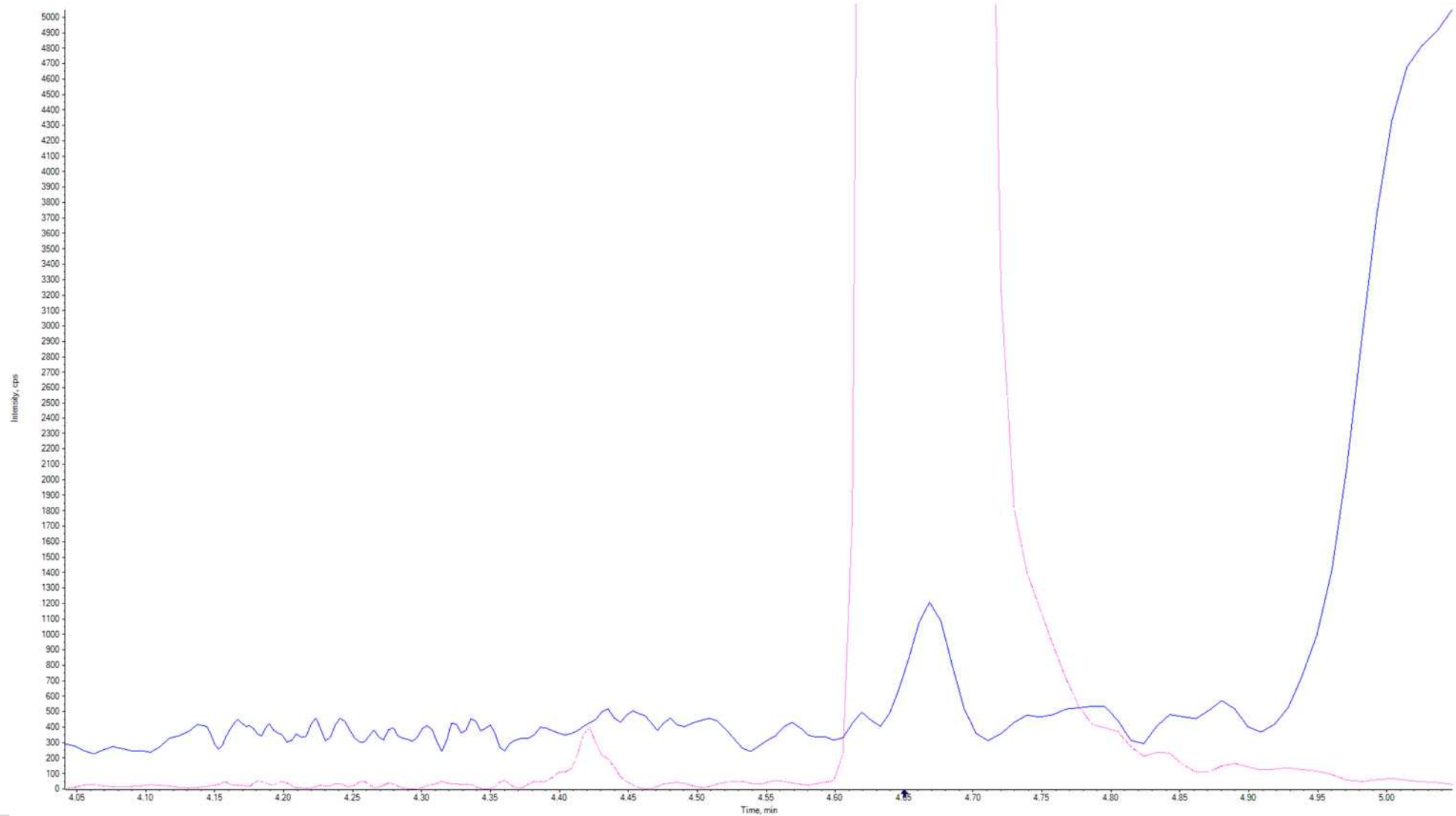
PFPeA
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



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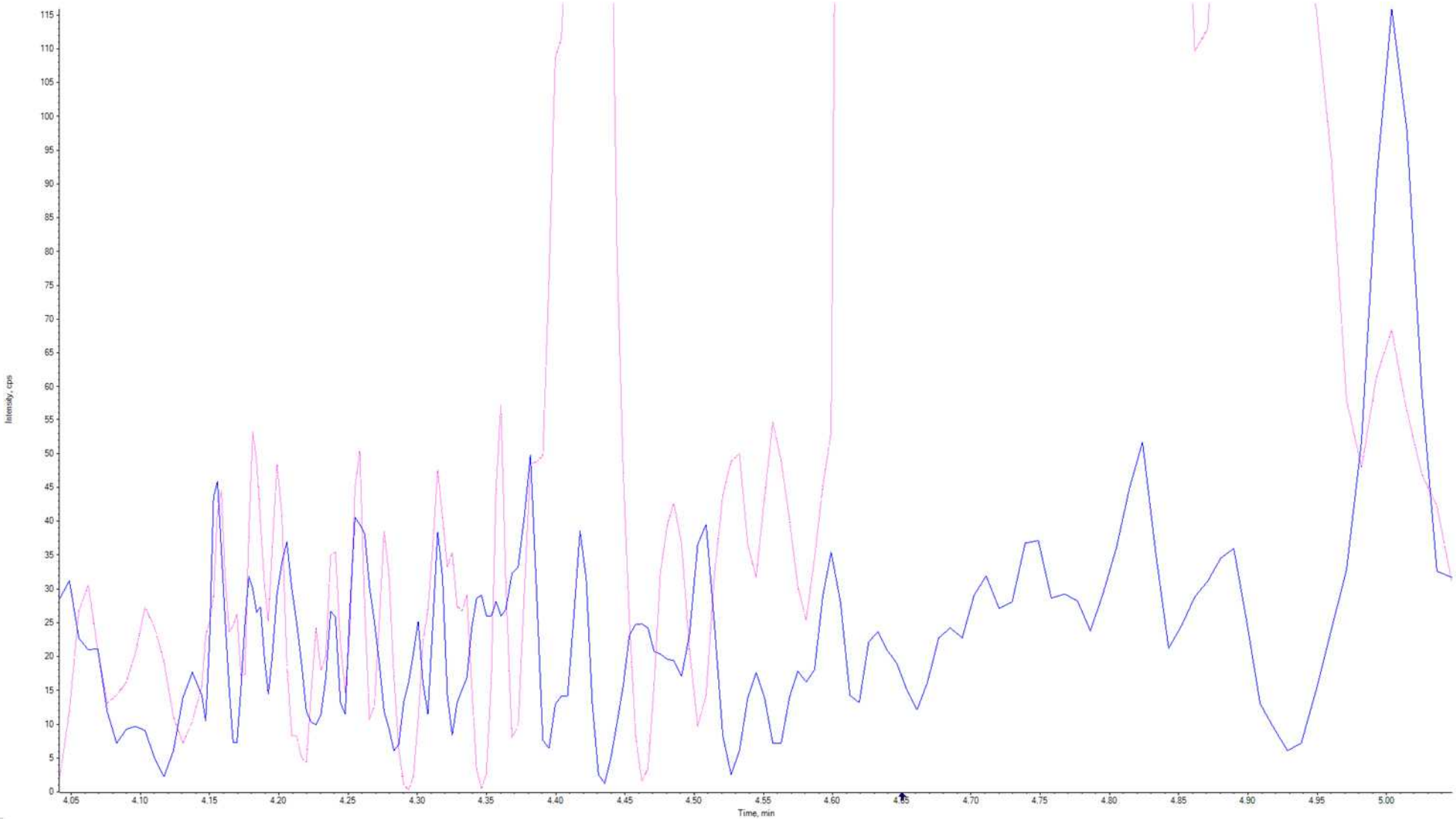
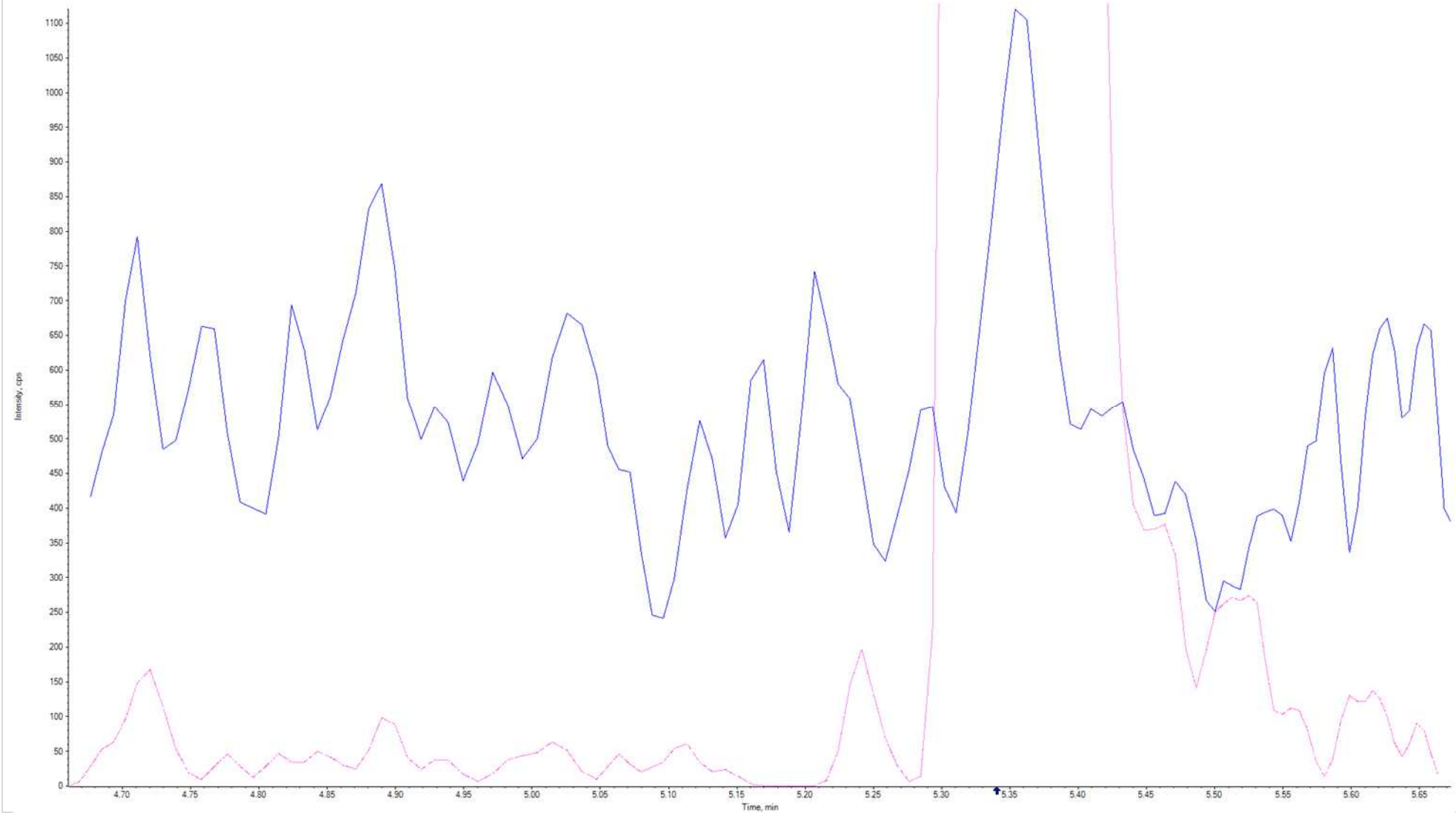
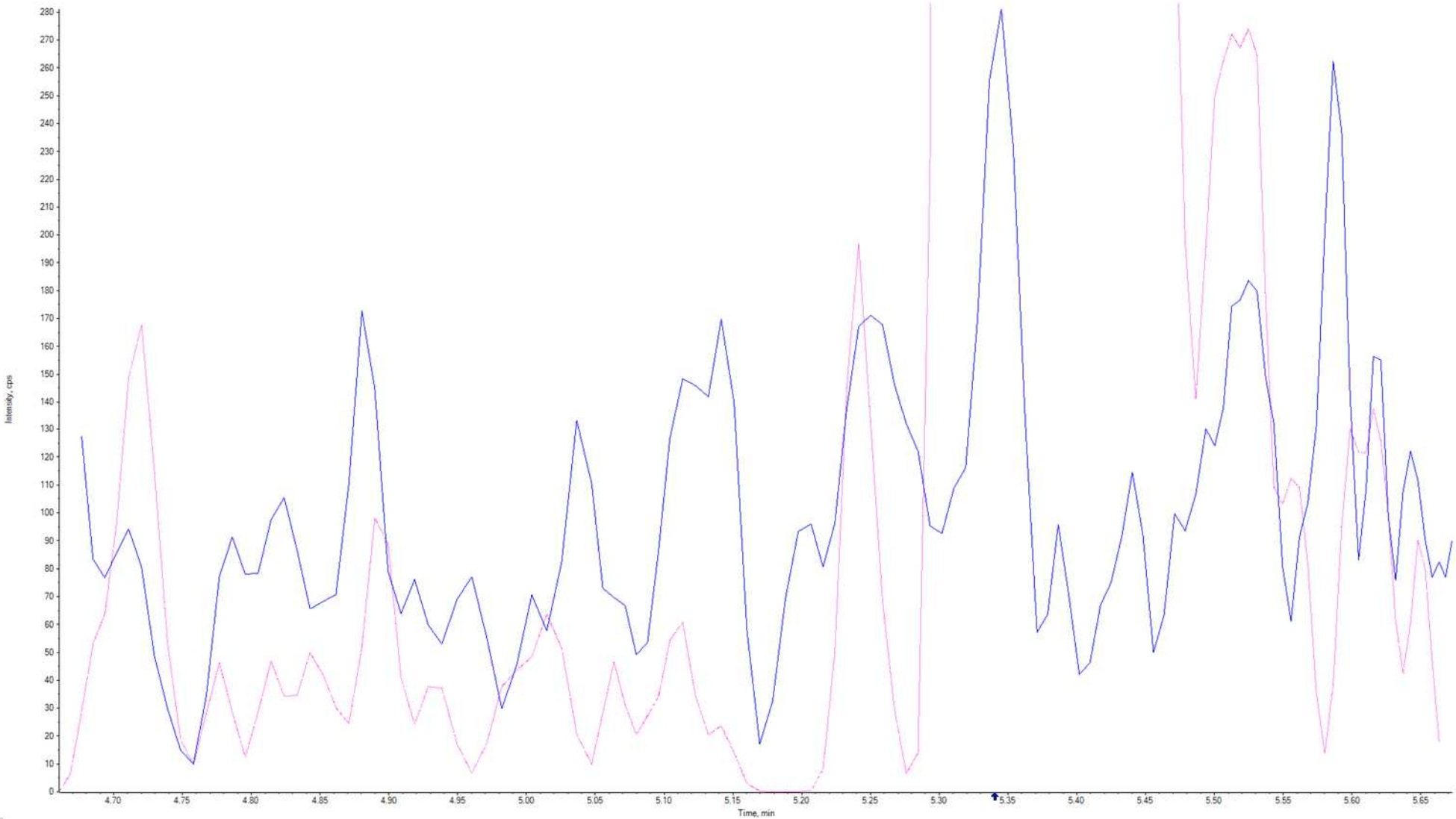


PFHxA
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_28.wiff
Last Altered: 9/17/2024 1:15:28 PM
Generated: 9/17/2024 11:31:06 AM

PFHxA_2
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



PFHpA
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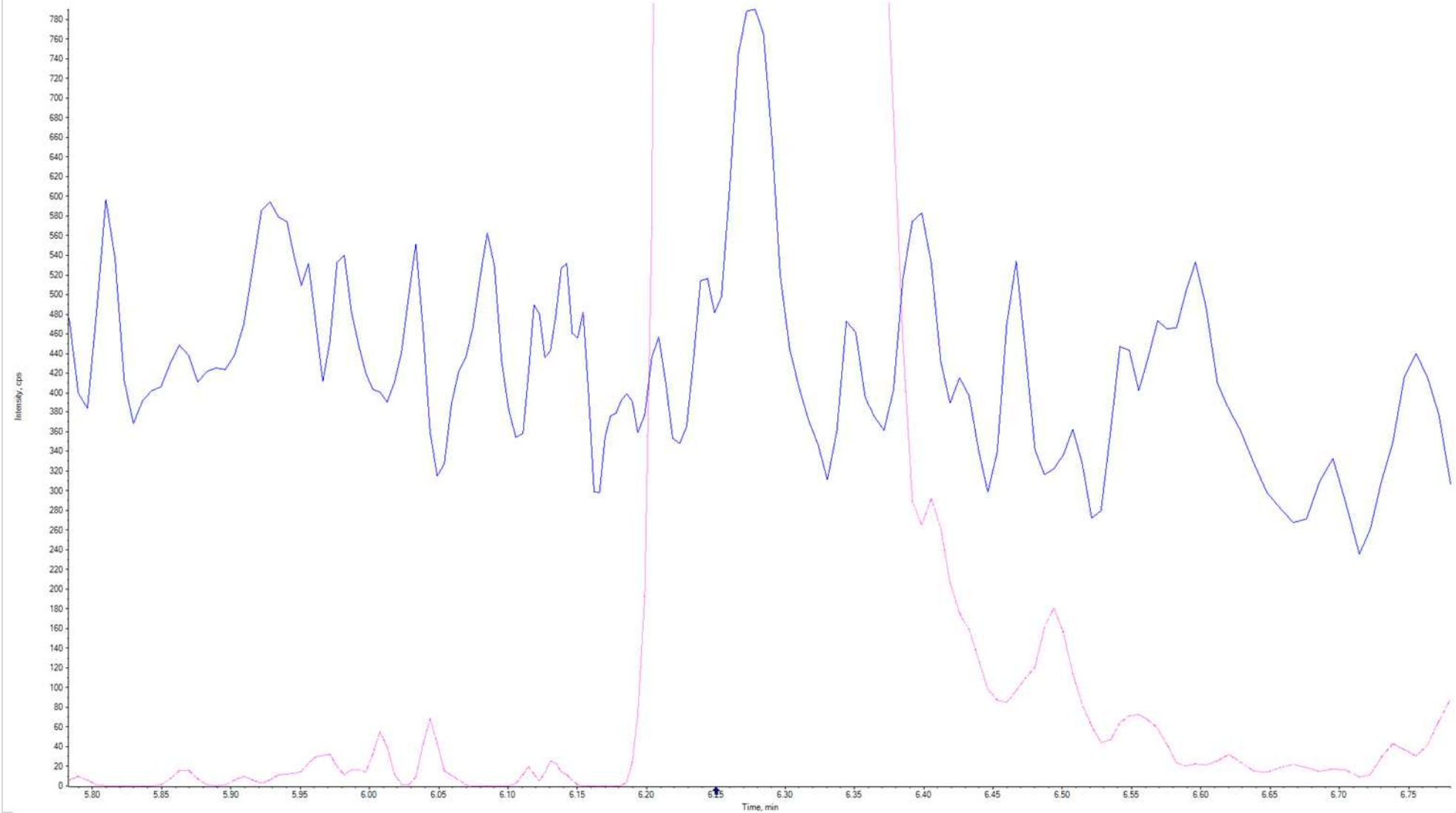

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFHpA_2
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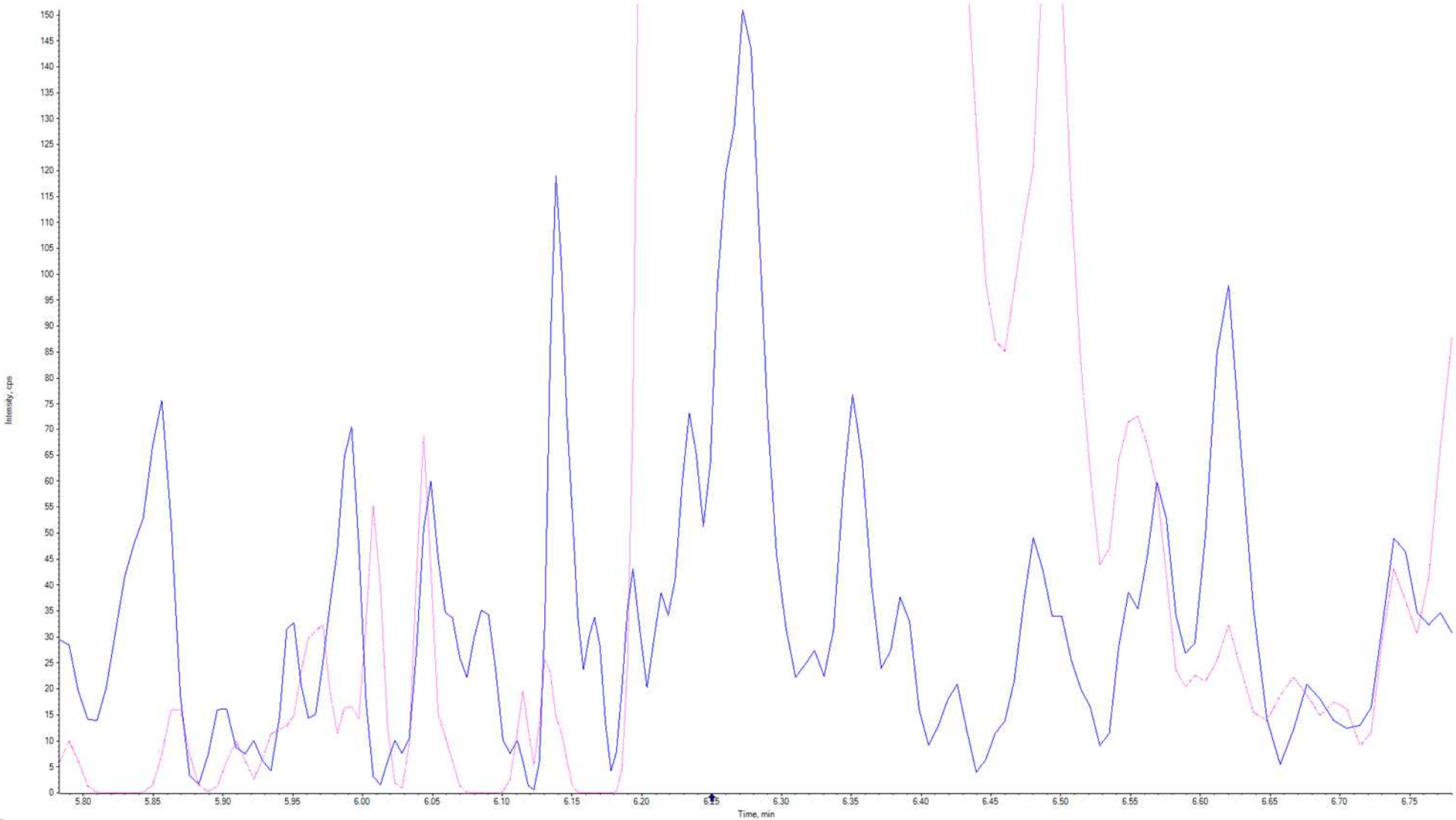

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFOA
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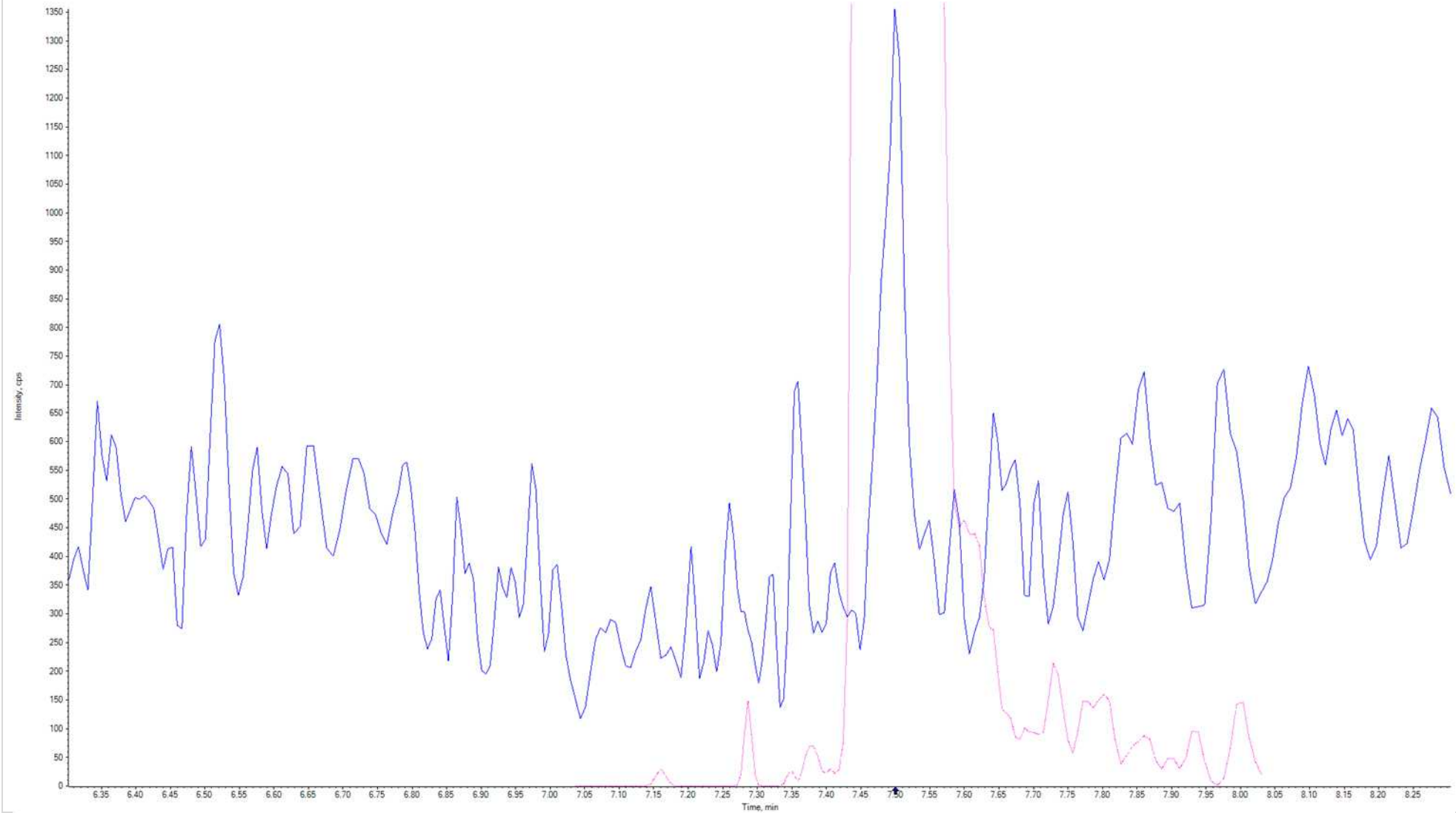

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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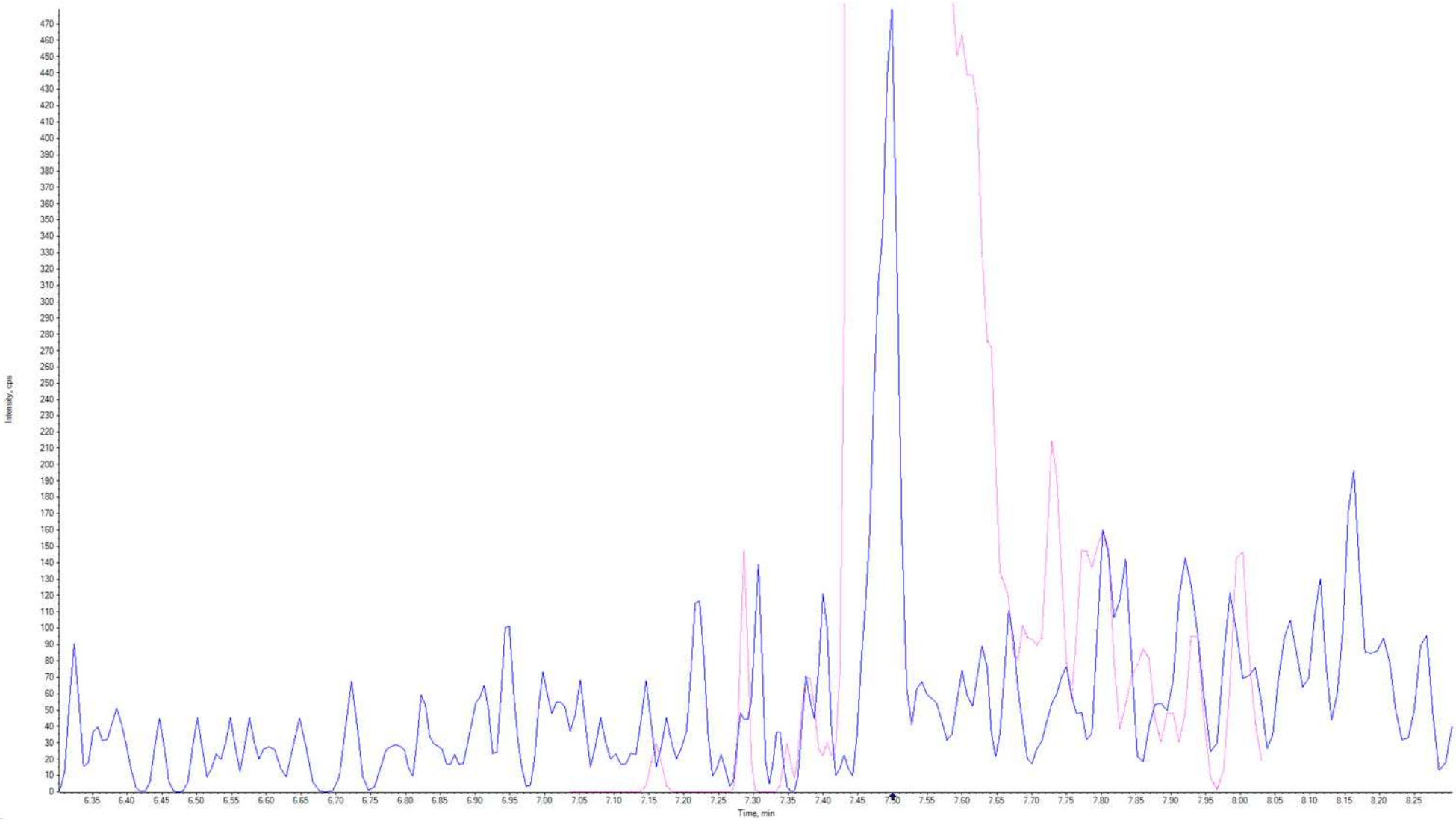
PFOA_2
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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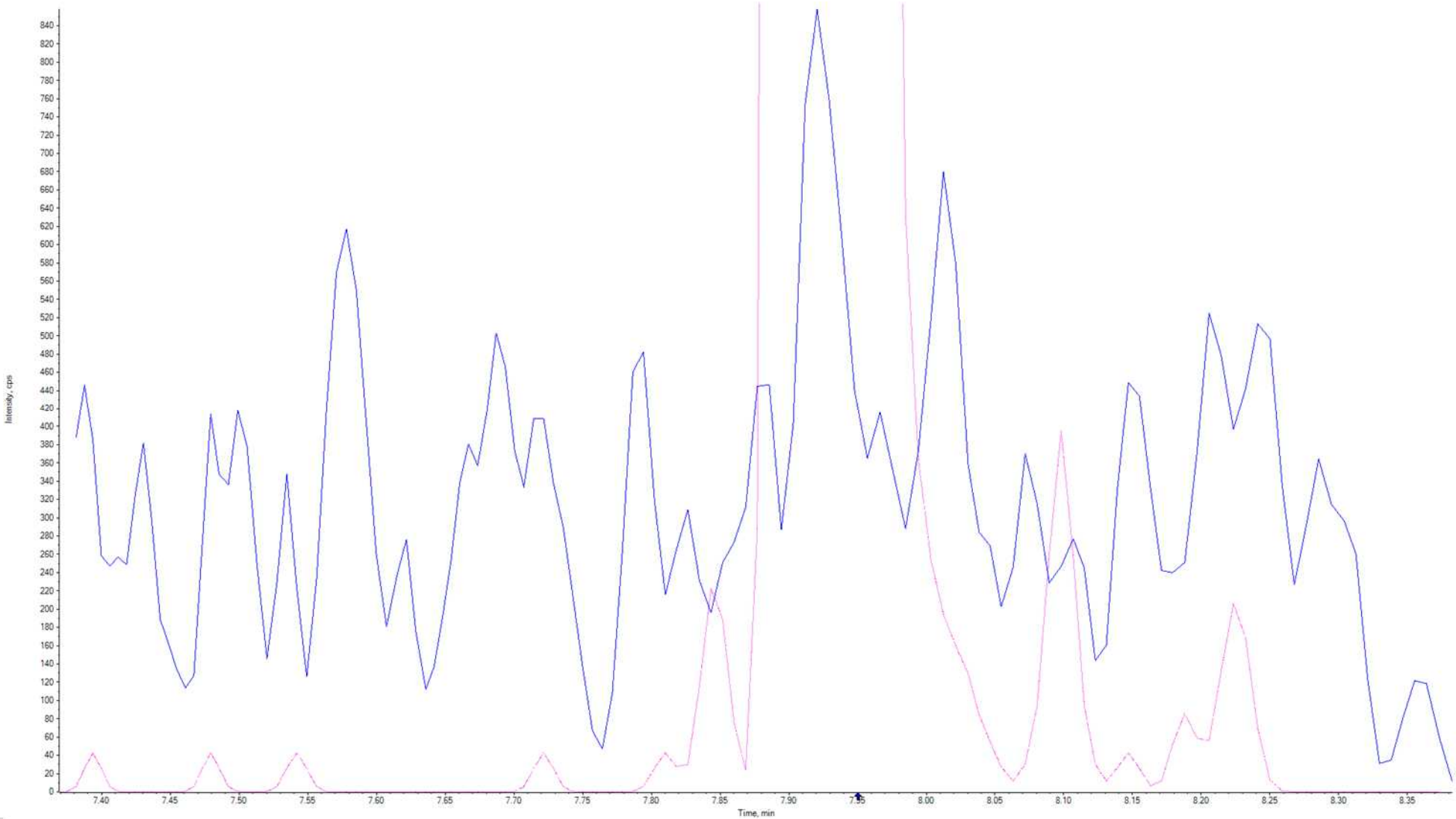
PFNA
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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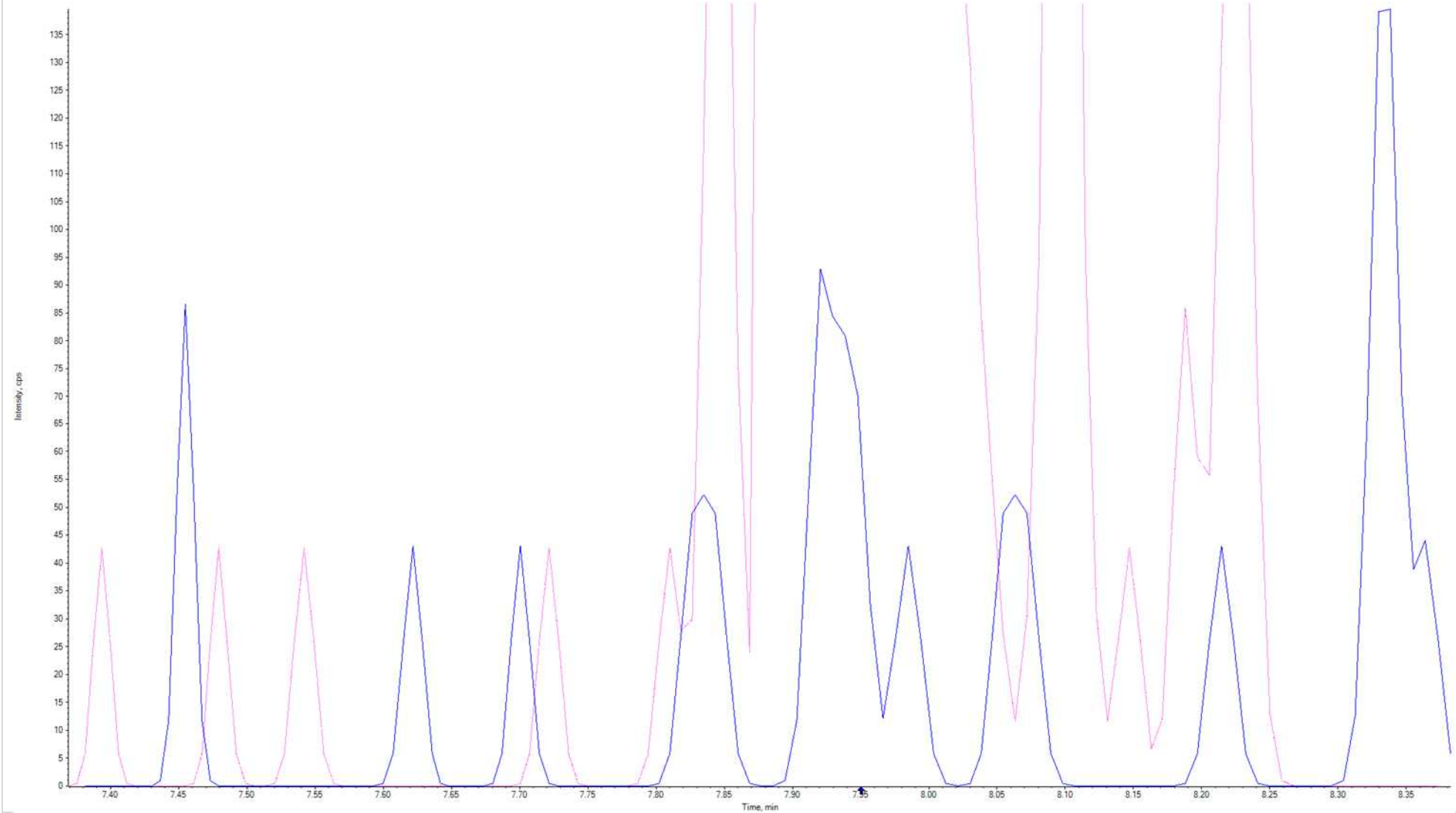
PFNA_2
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



PFDA
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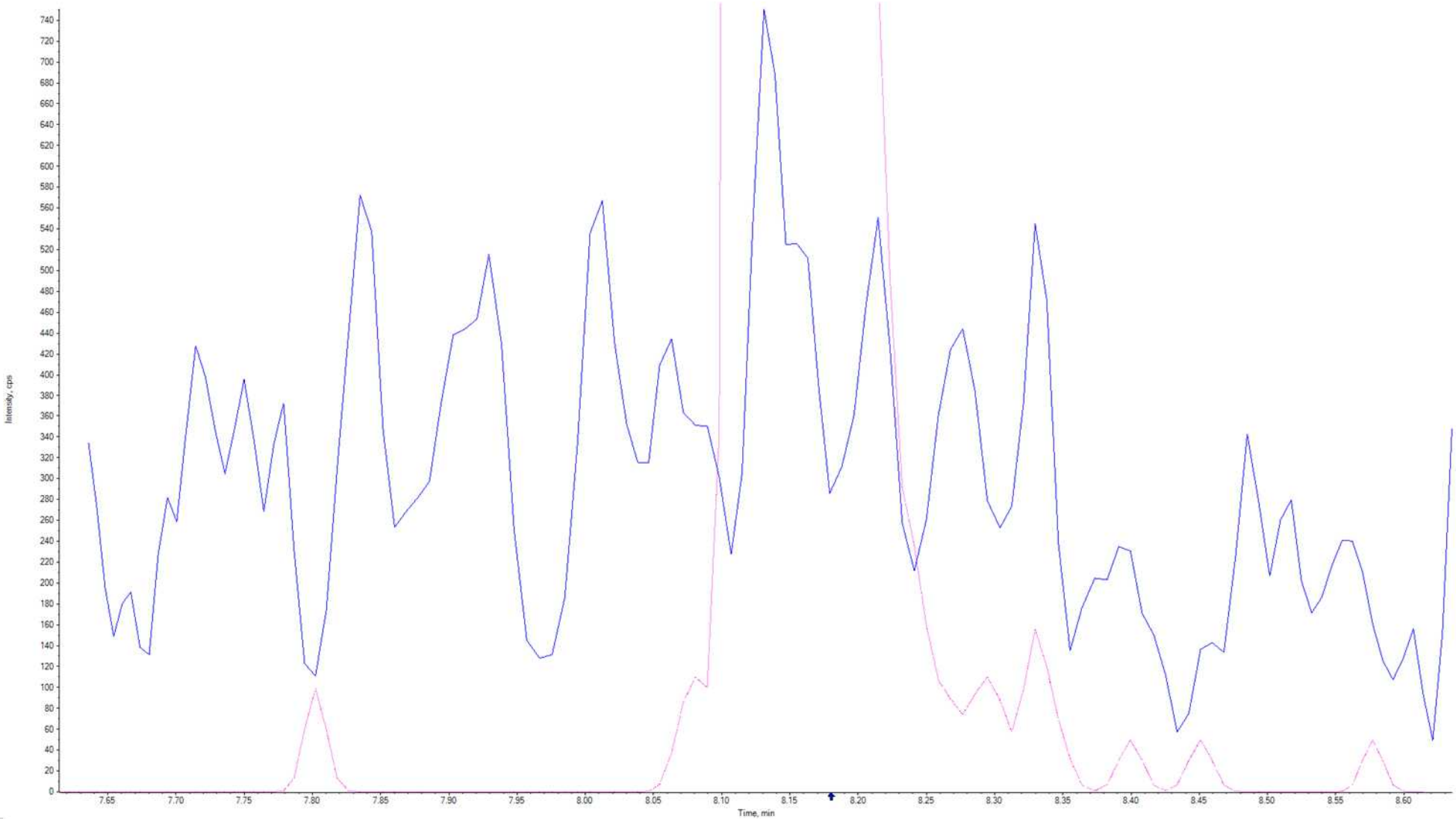

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 1:15:28 PM
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PFDA_2
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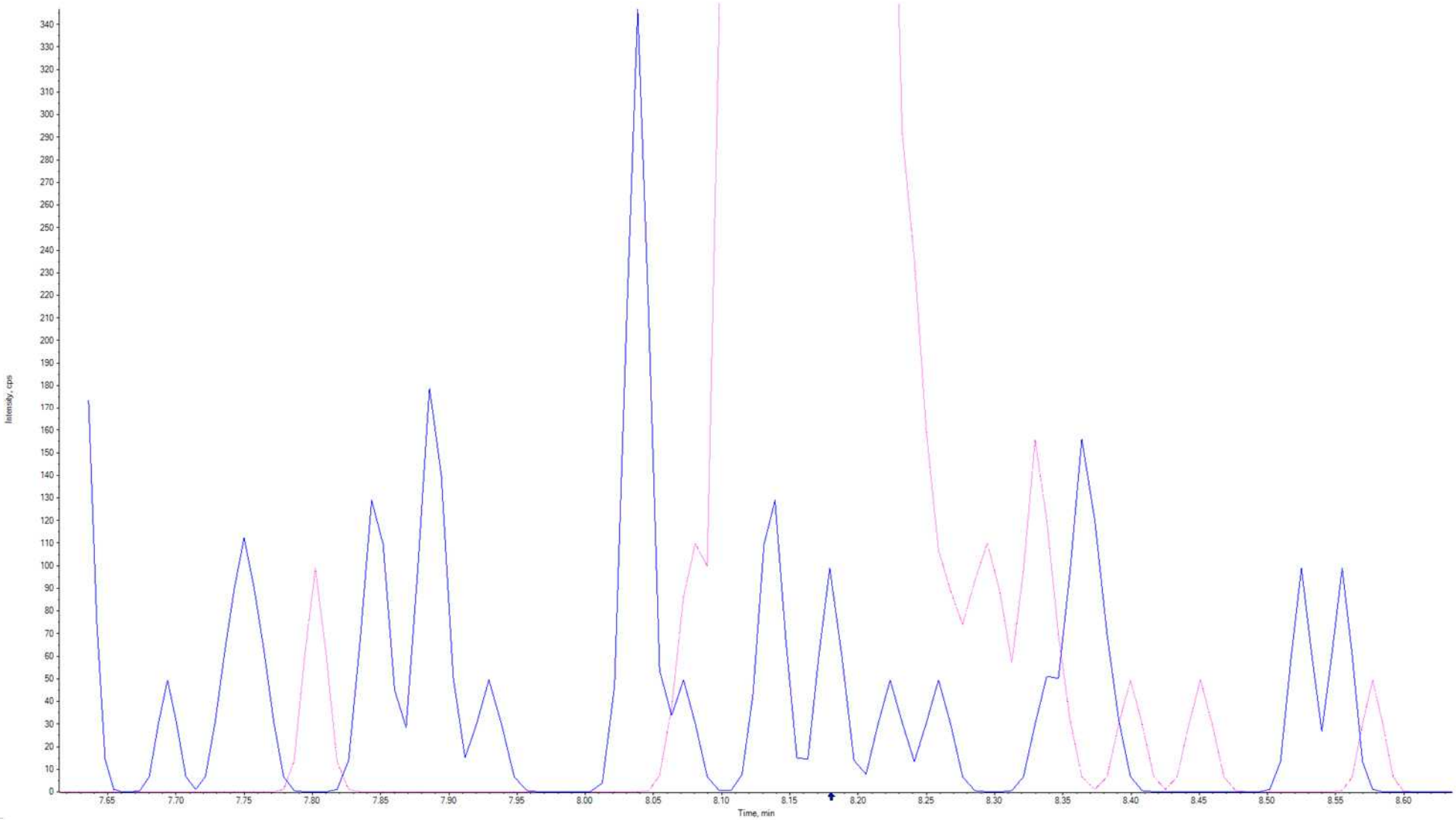

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 1:15:28 PM
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PFUnA
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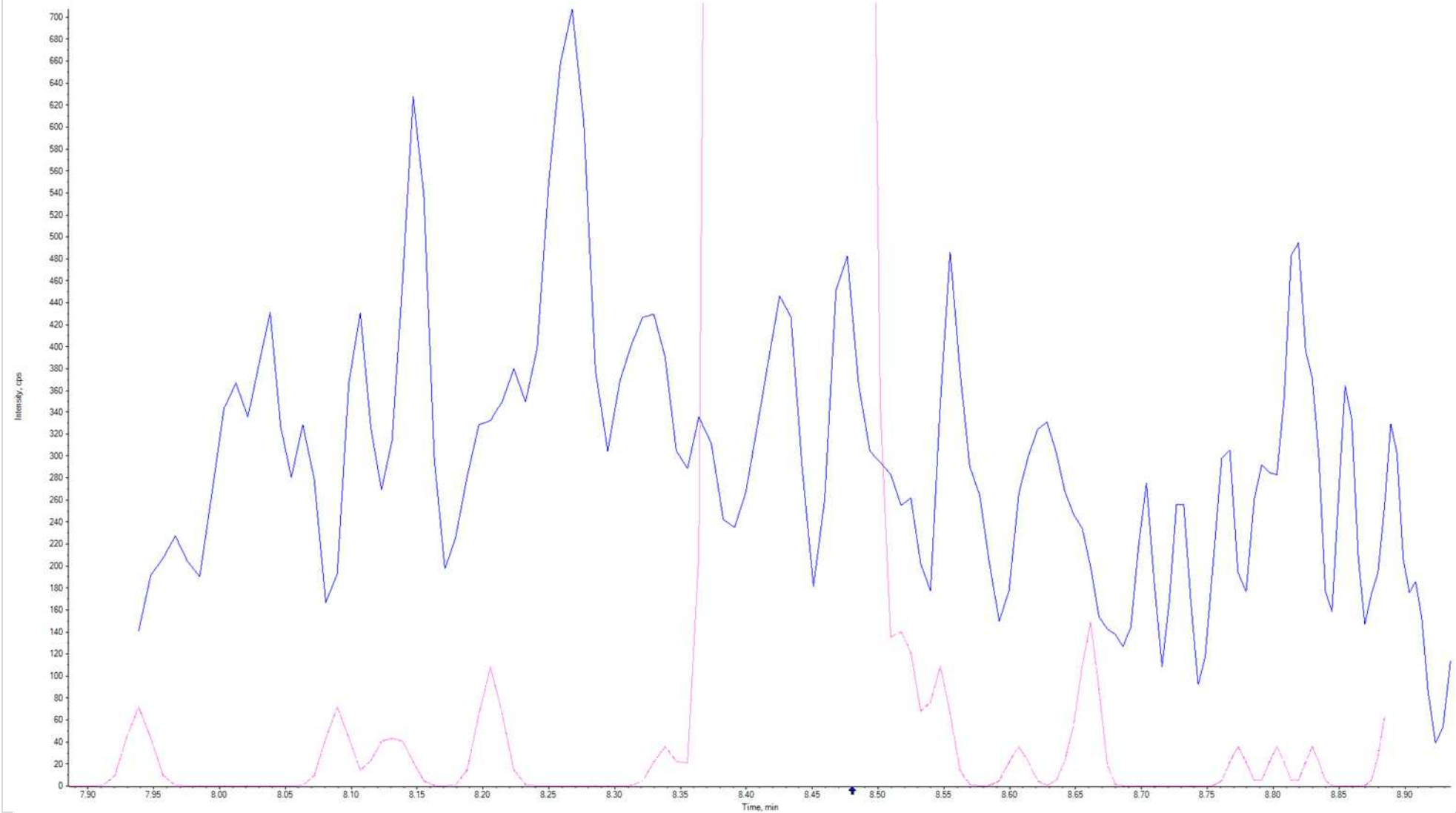

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFUnA_2
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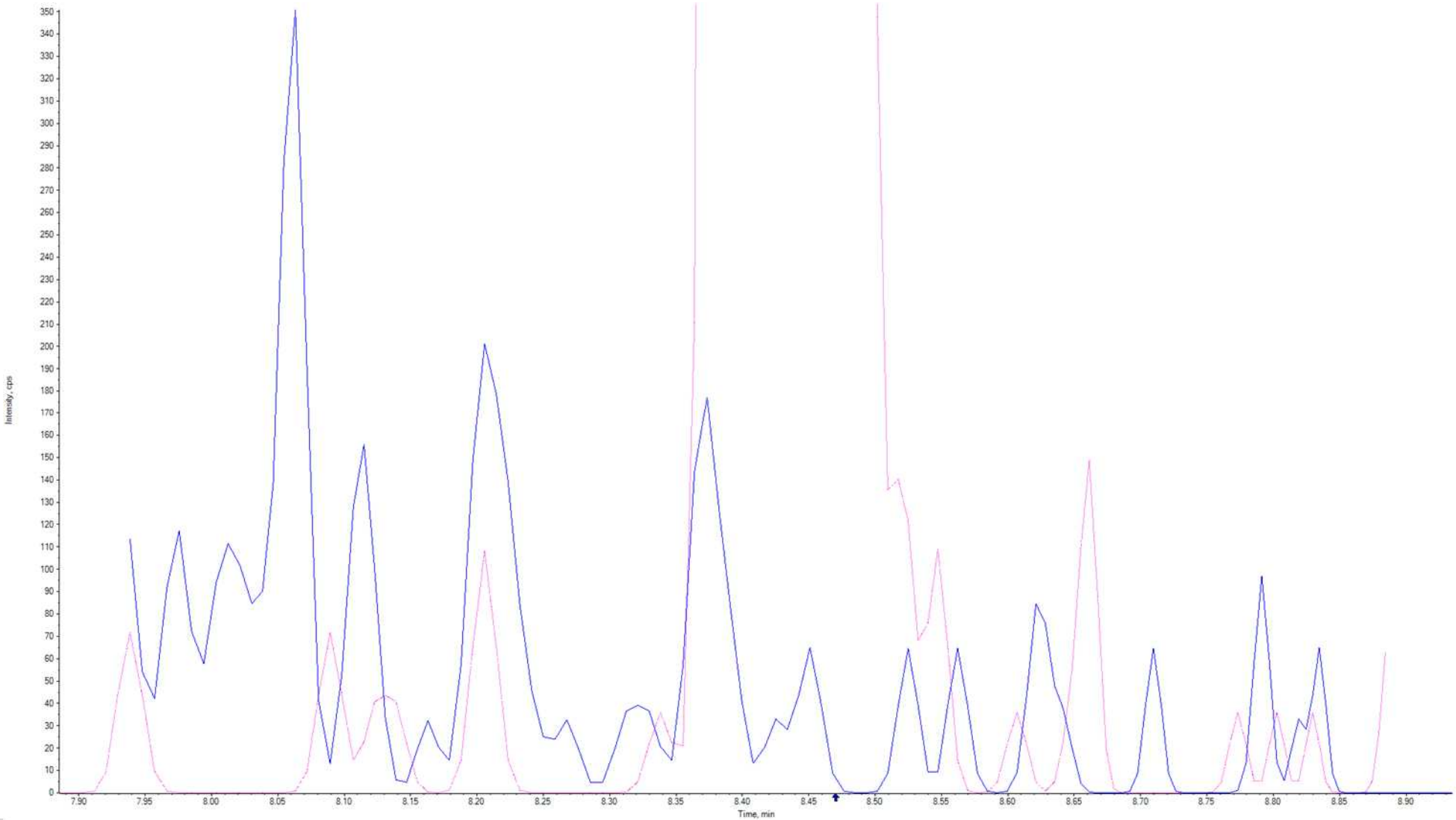

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFDoA
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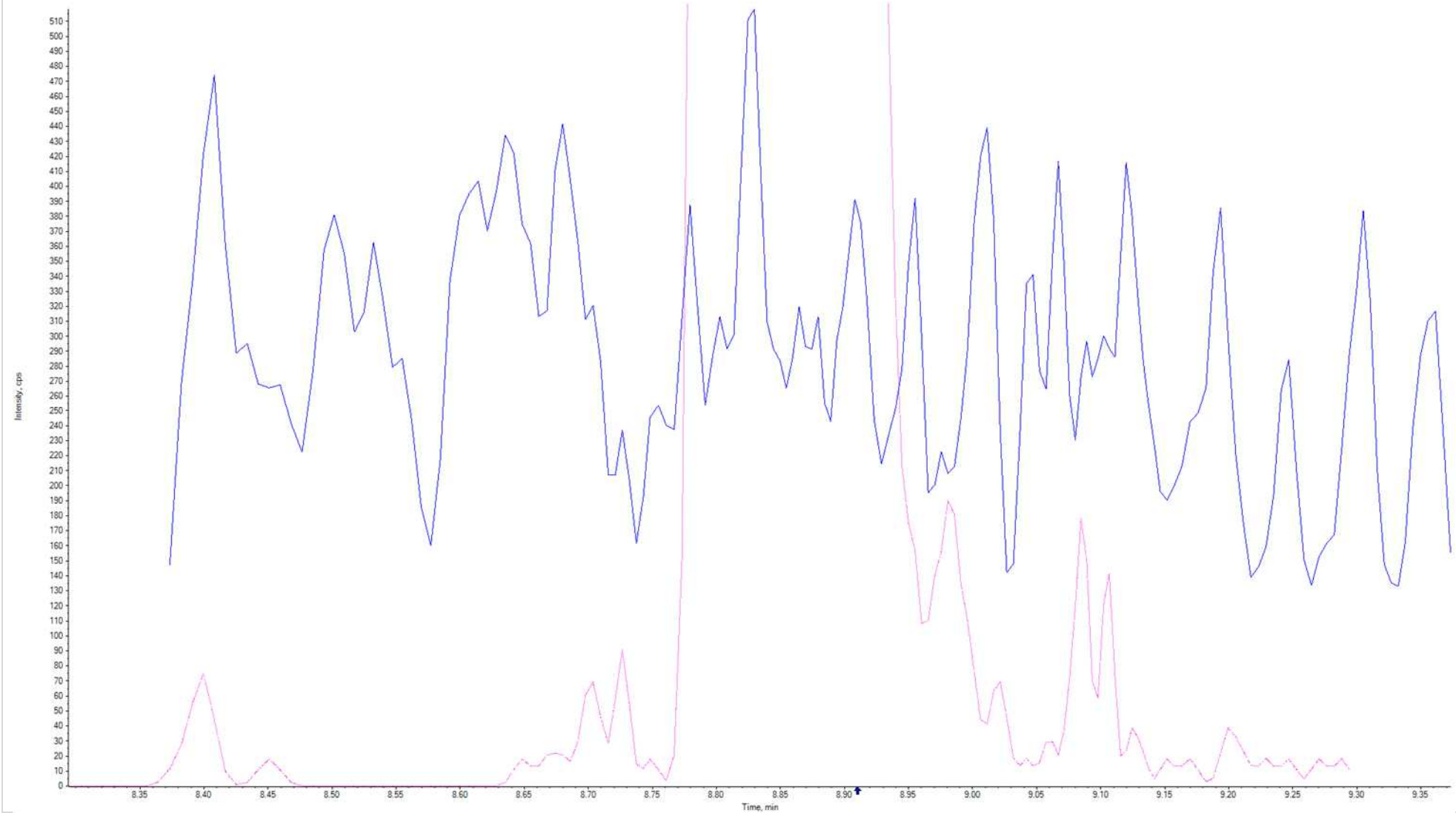

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFDoA_2
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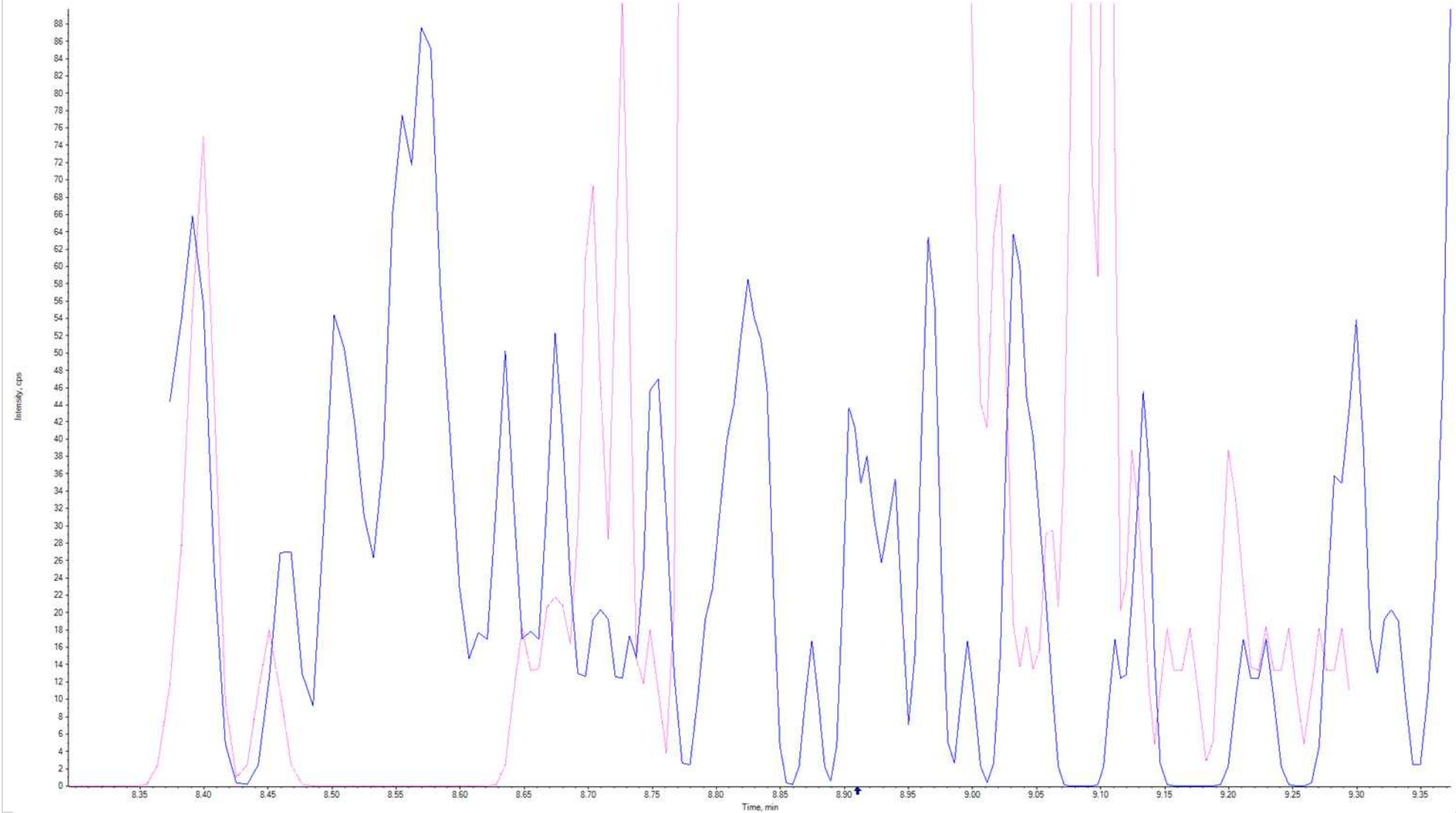

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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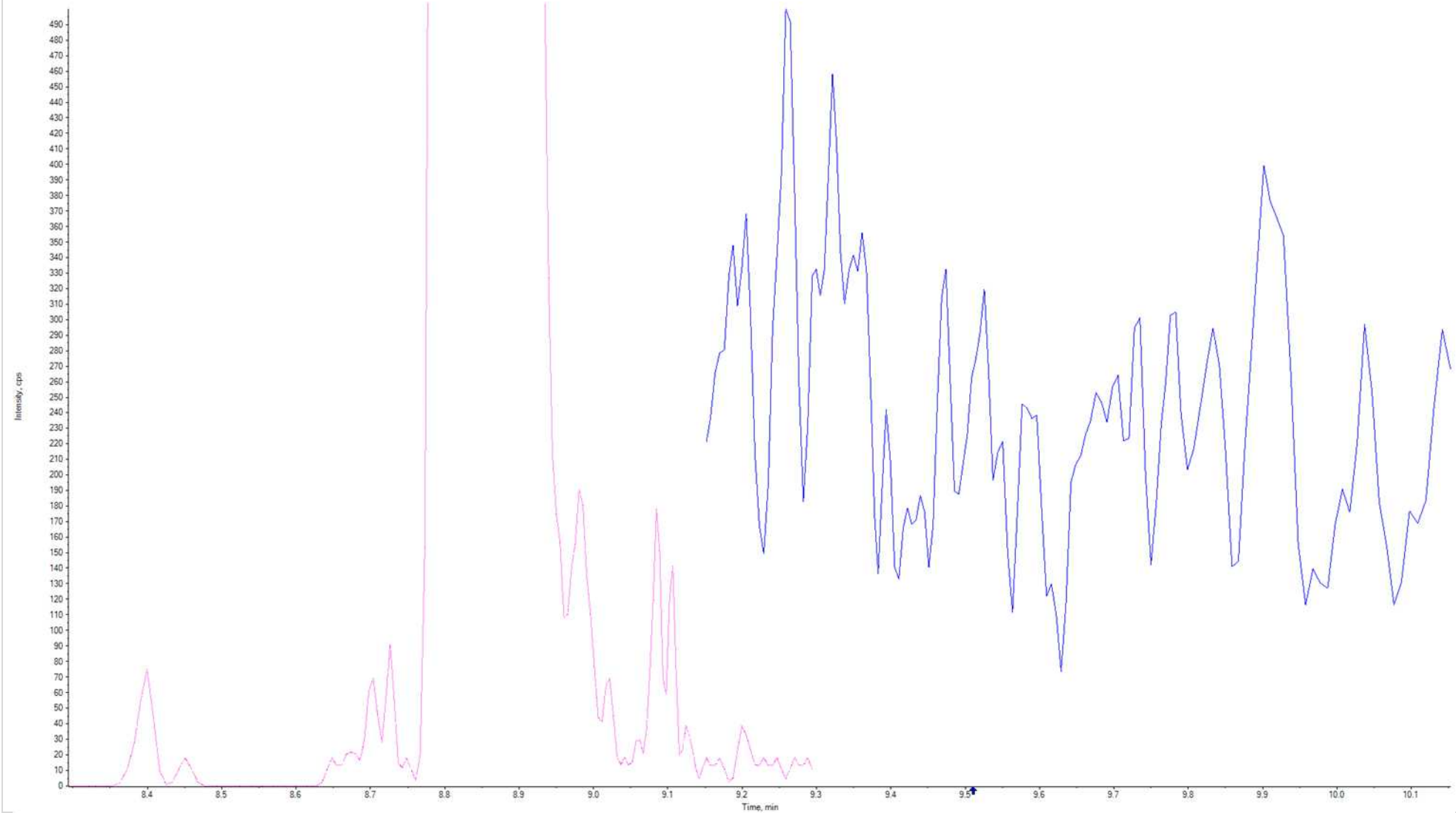
PFTrDA
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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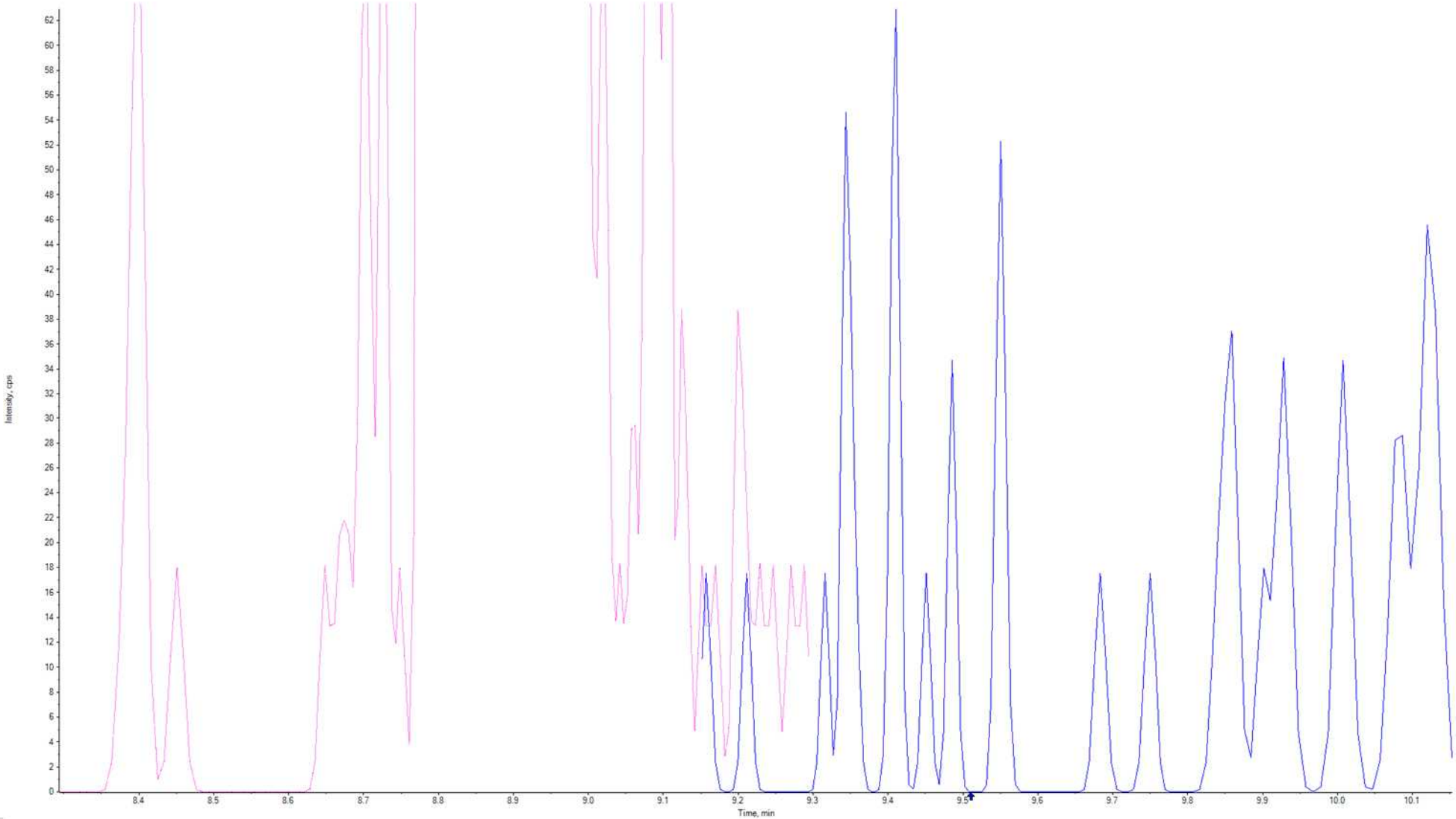
PFTrDA_2
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFTeDA
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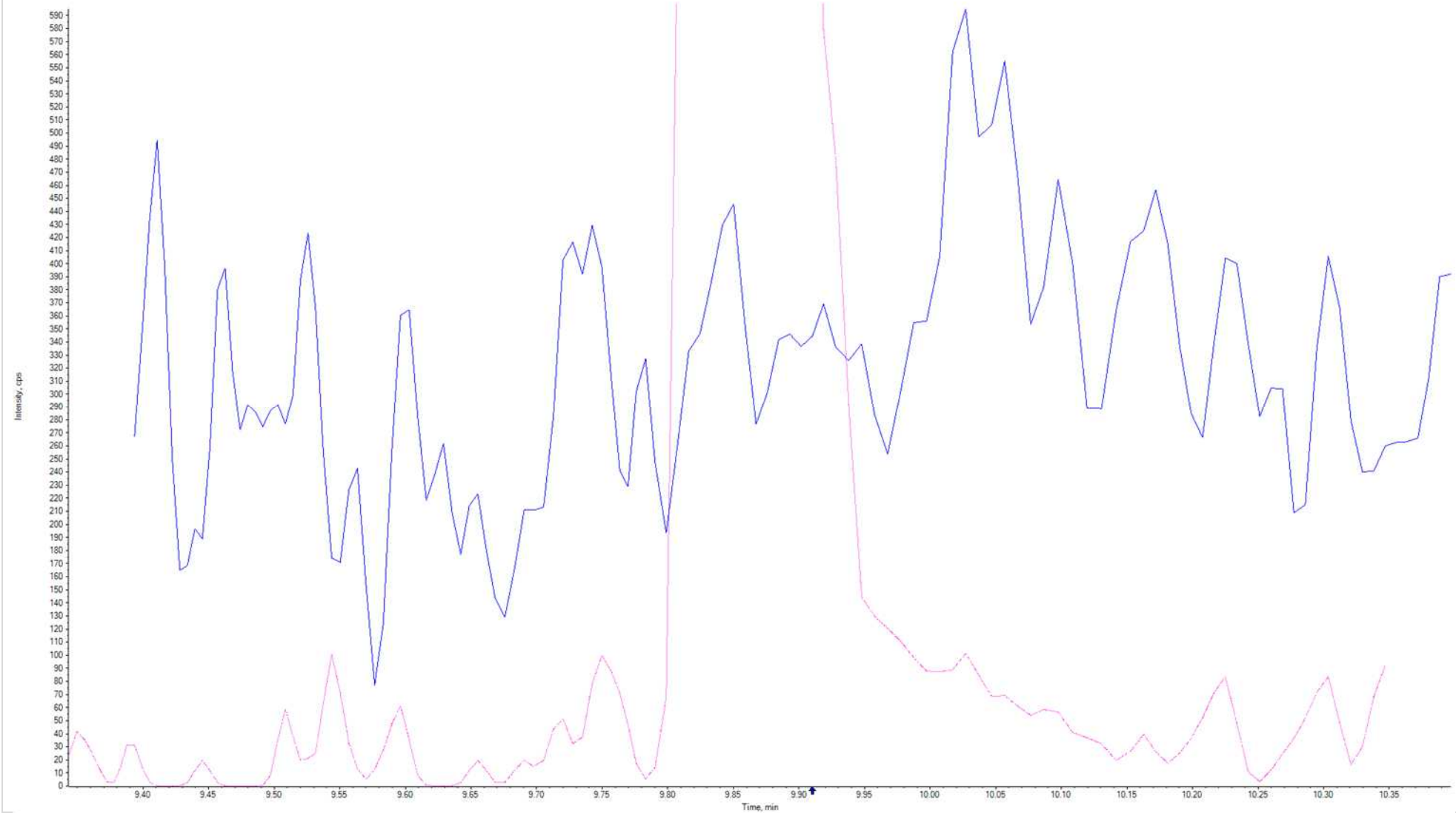

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFTeDA_2
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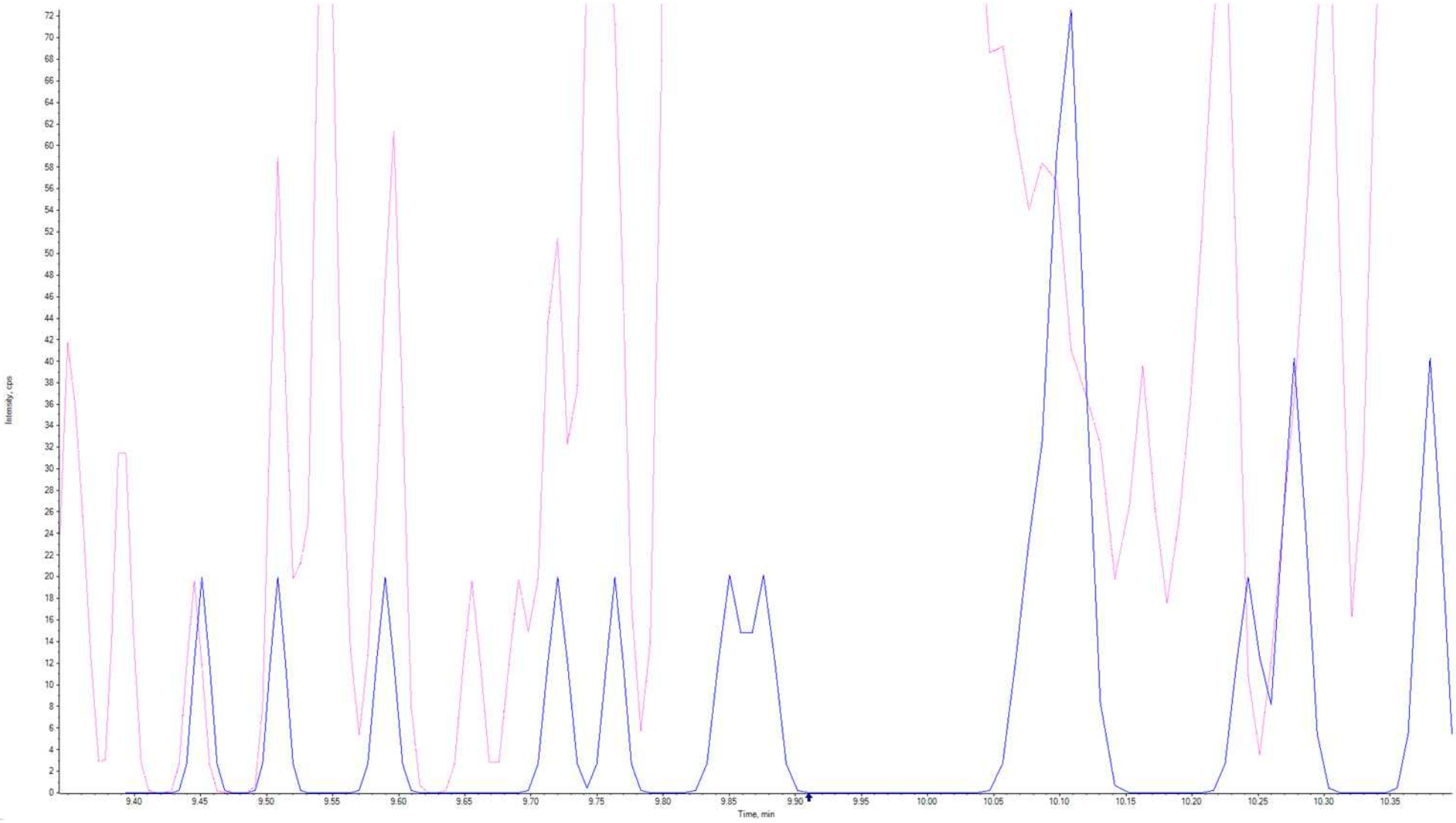

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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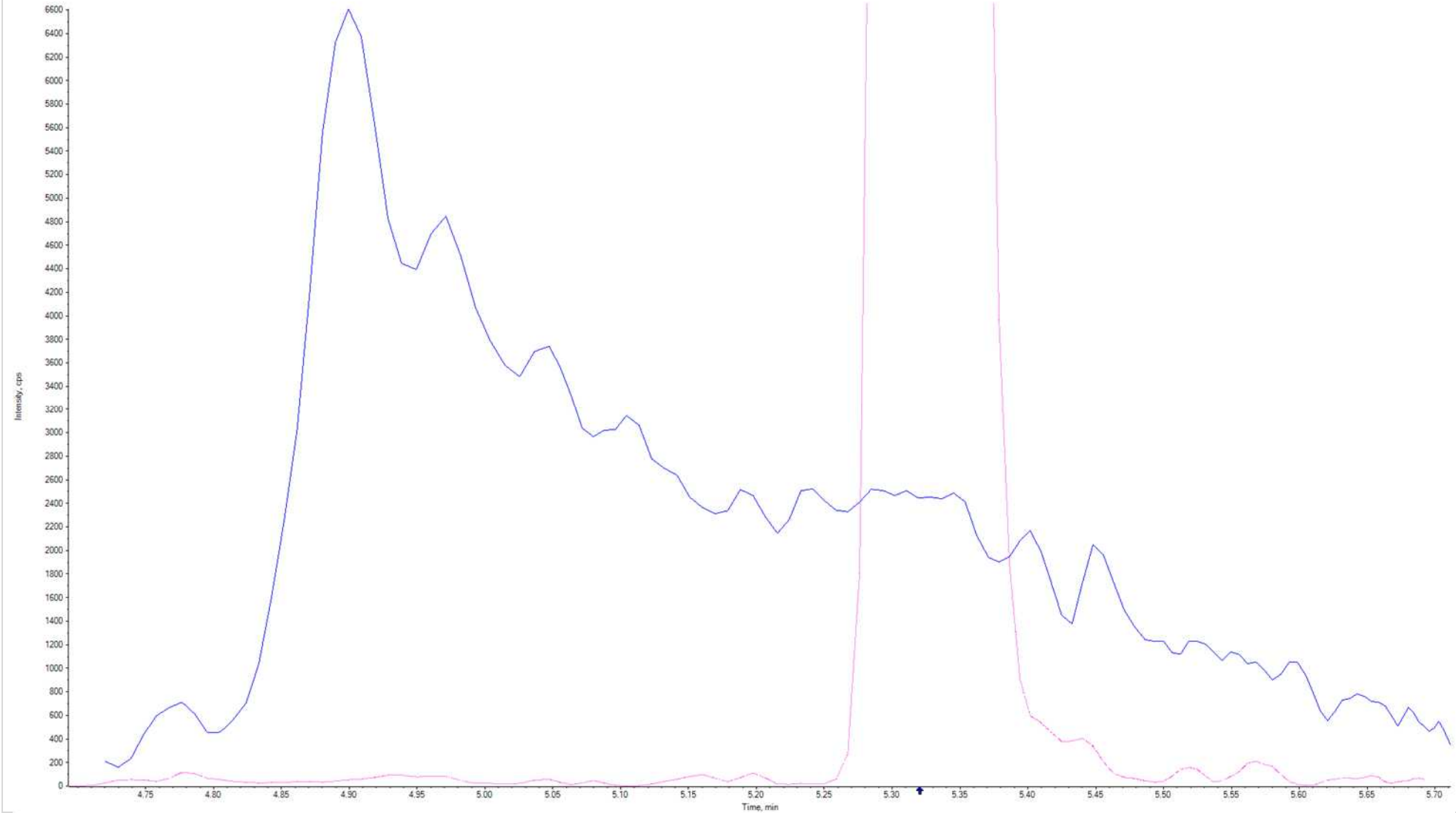
PFBS
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFBS_2
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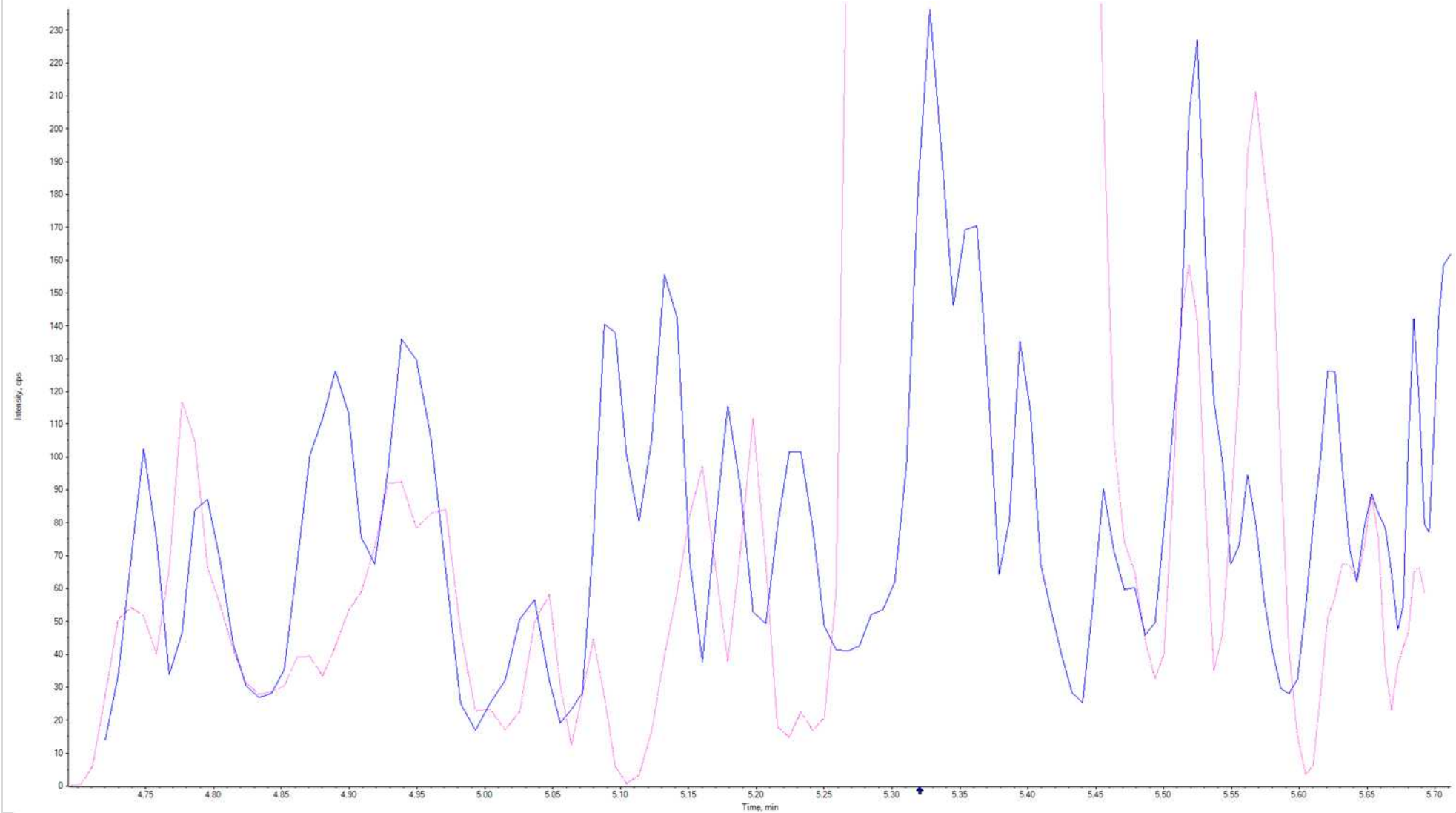

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFPeS
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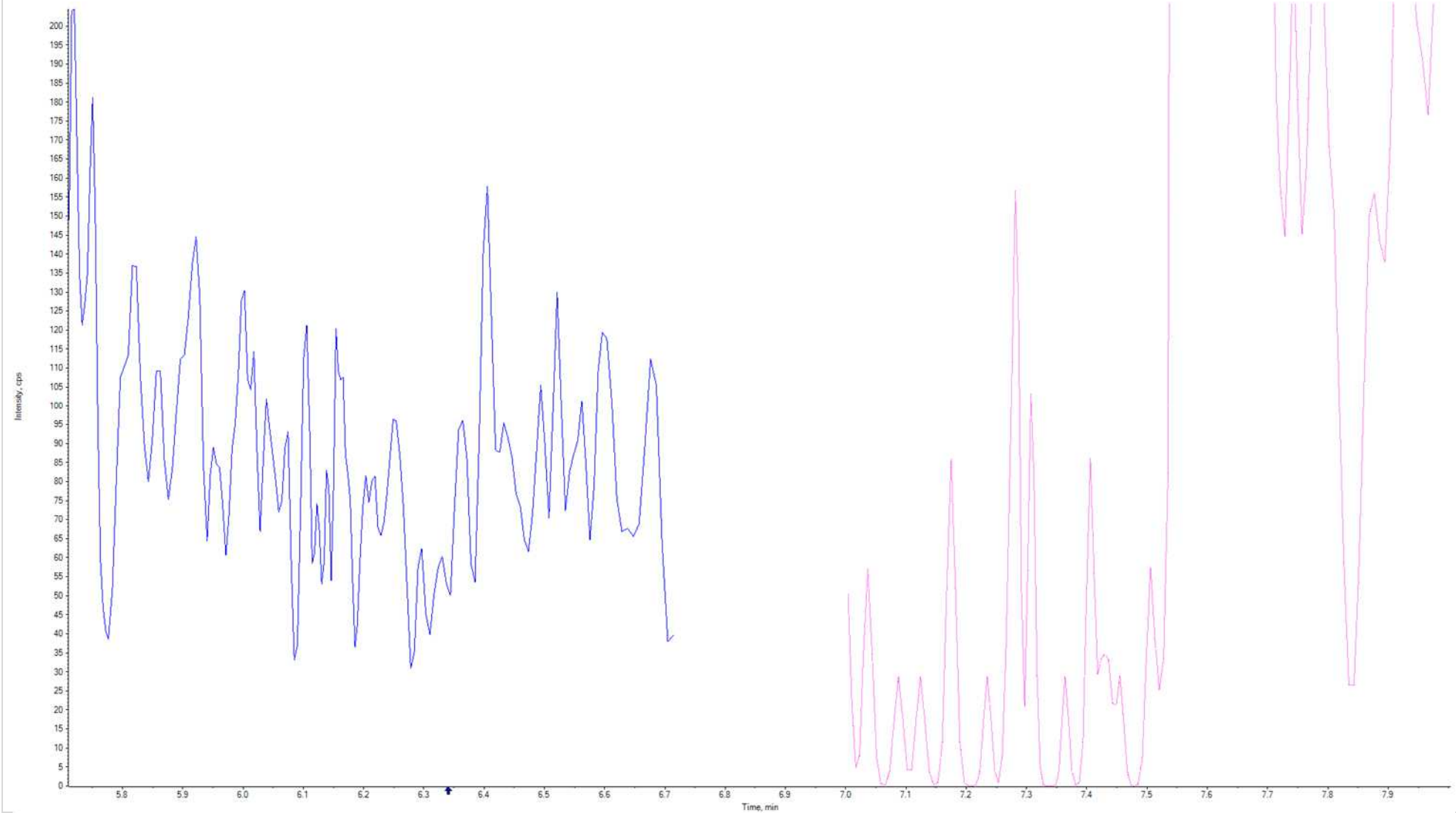

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFPeS_2
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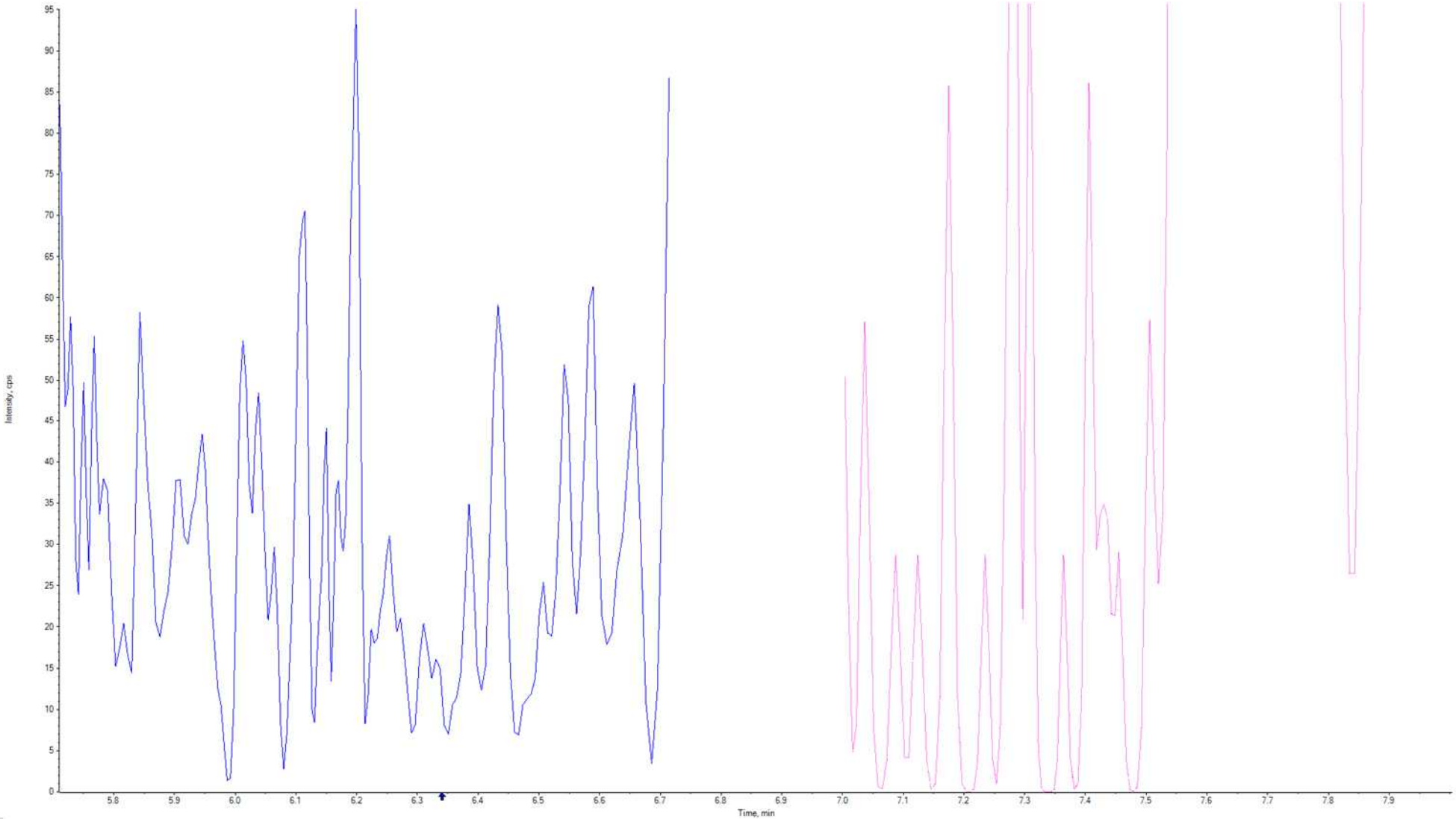

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PFHxS
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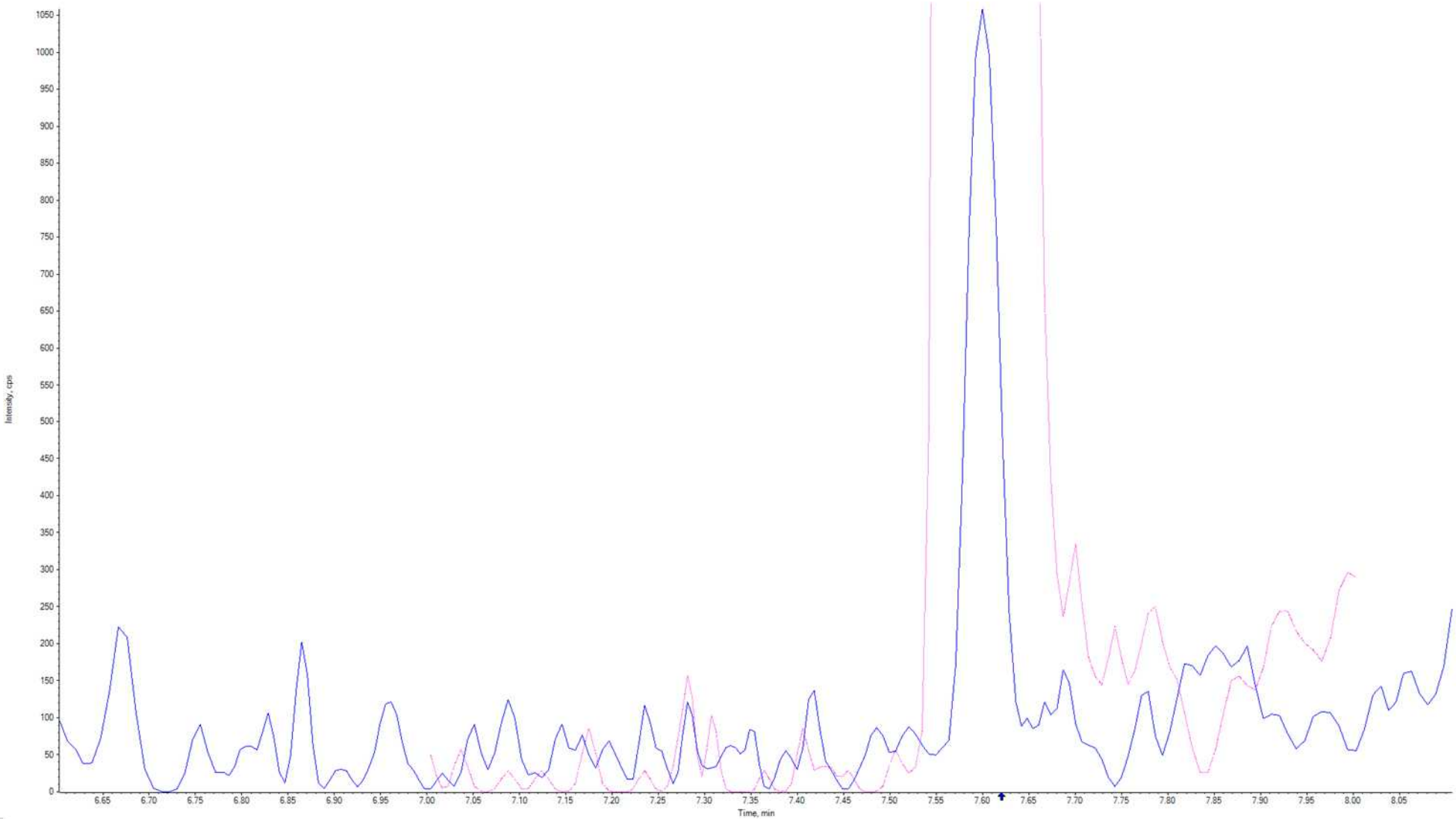

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFHxS_2
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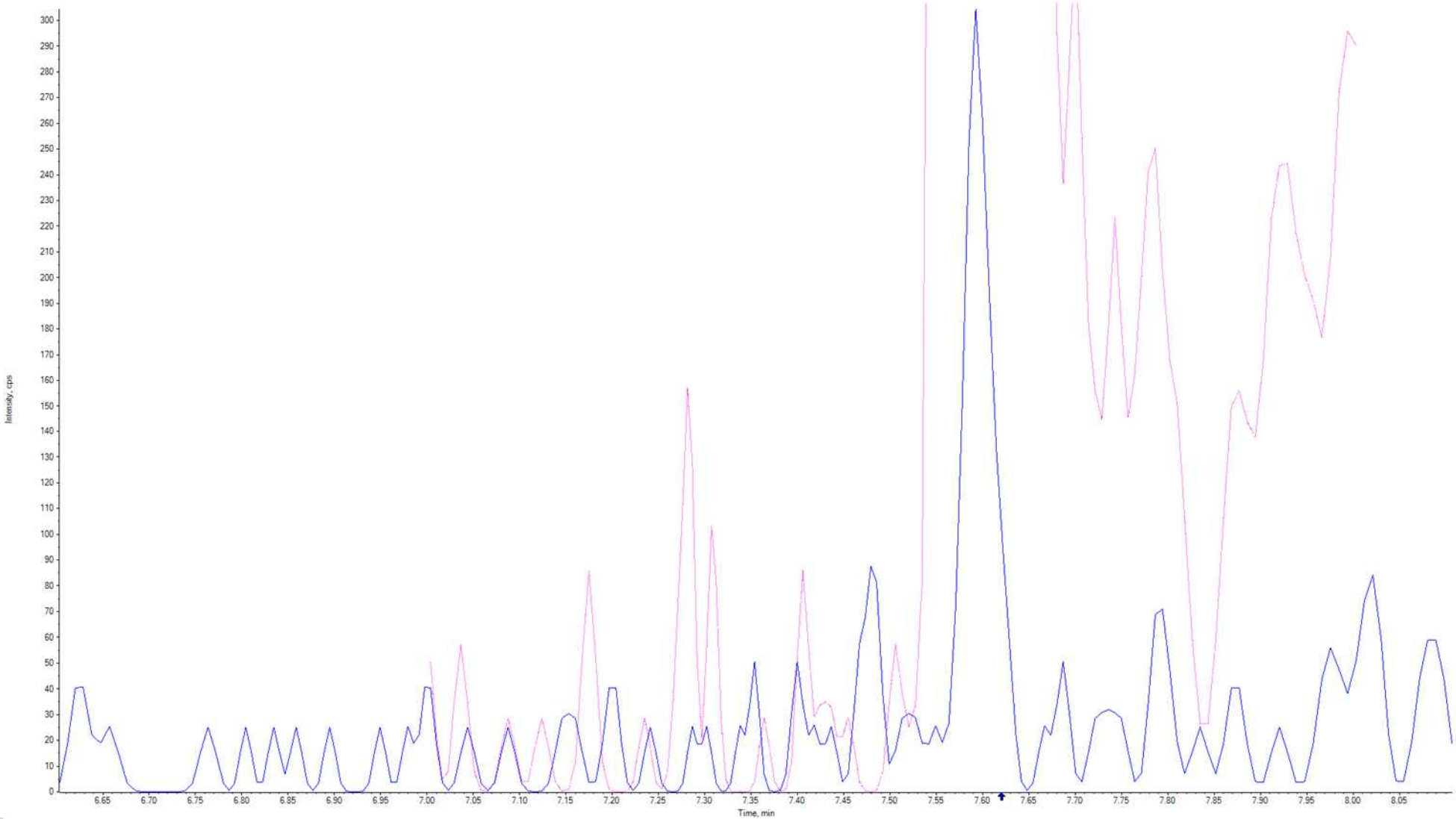

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PFHpS
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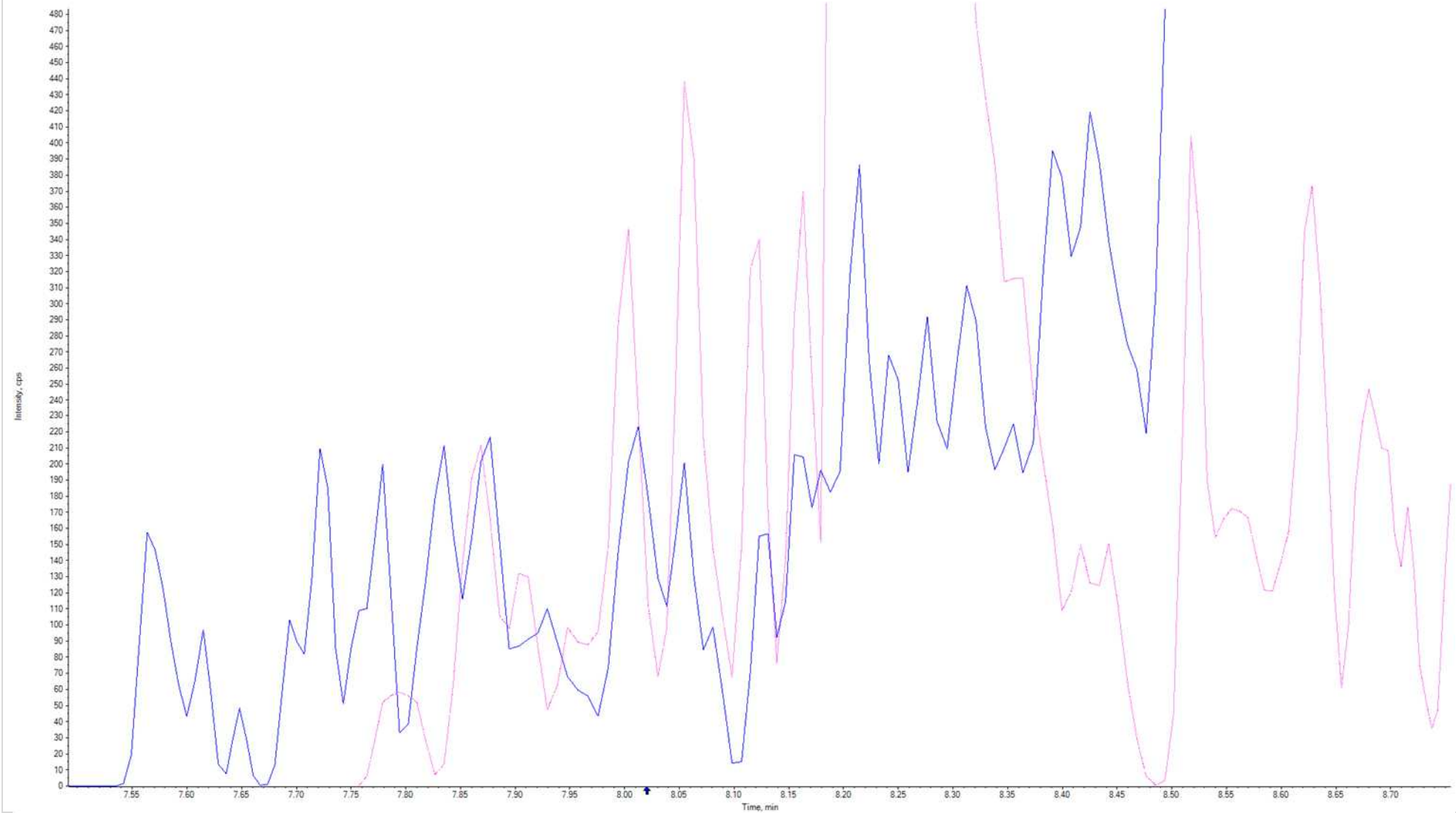

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PFHpS_2
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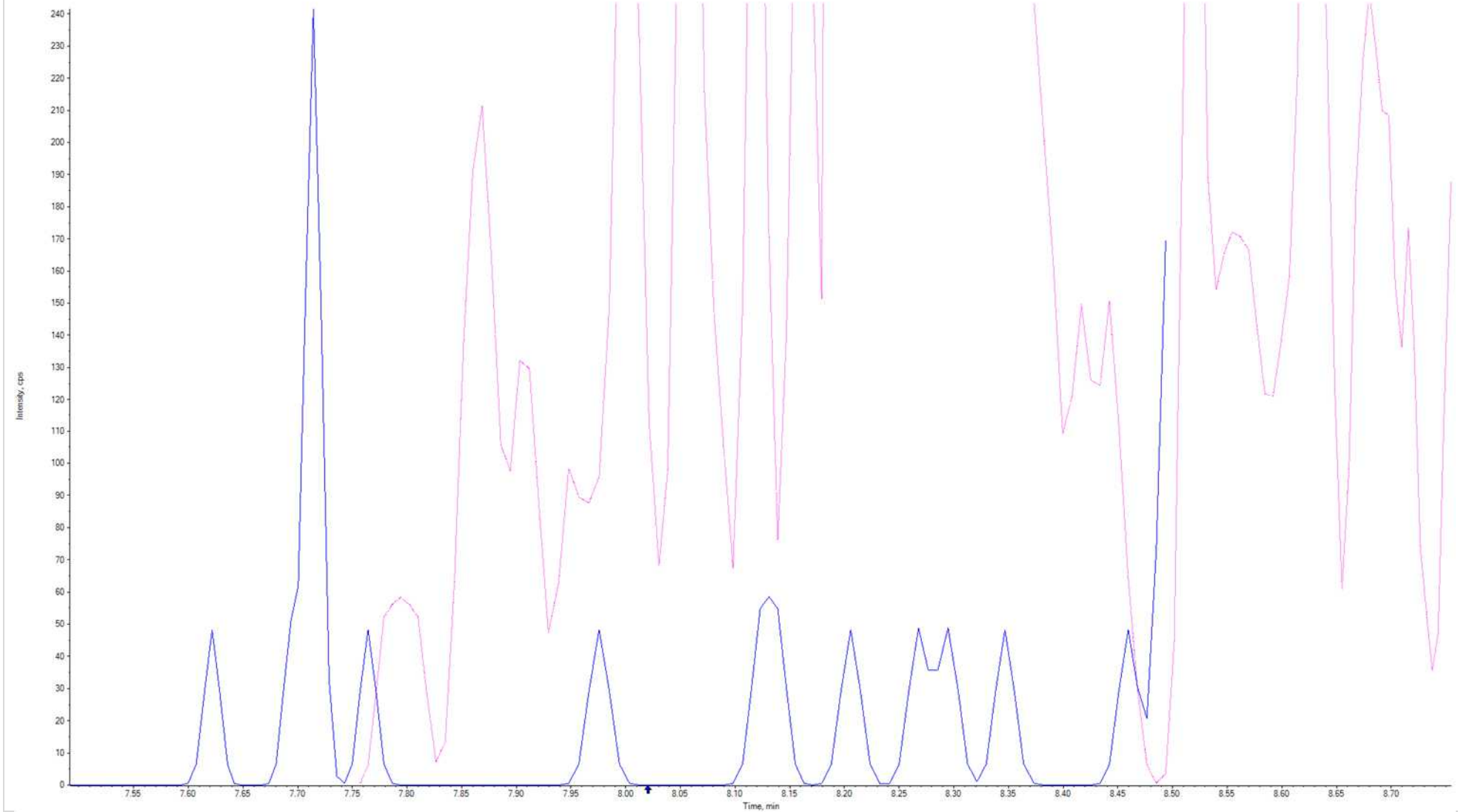

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PFOS
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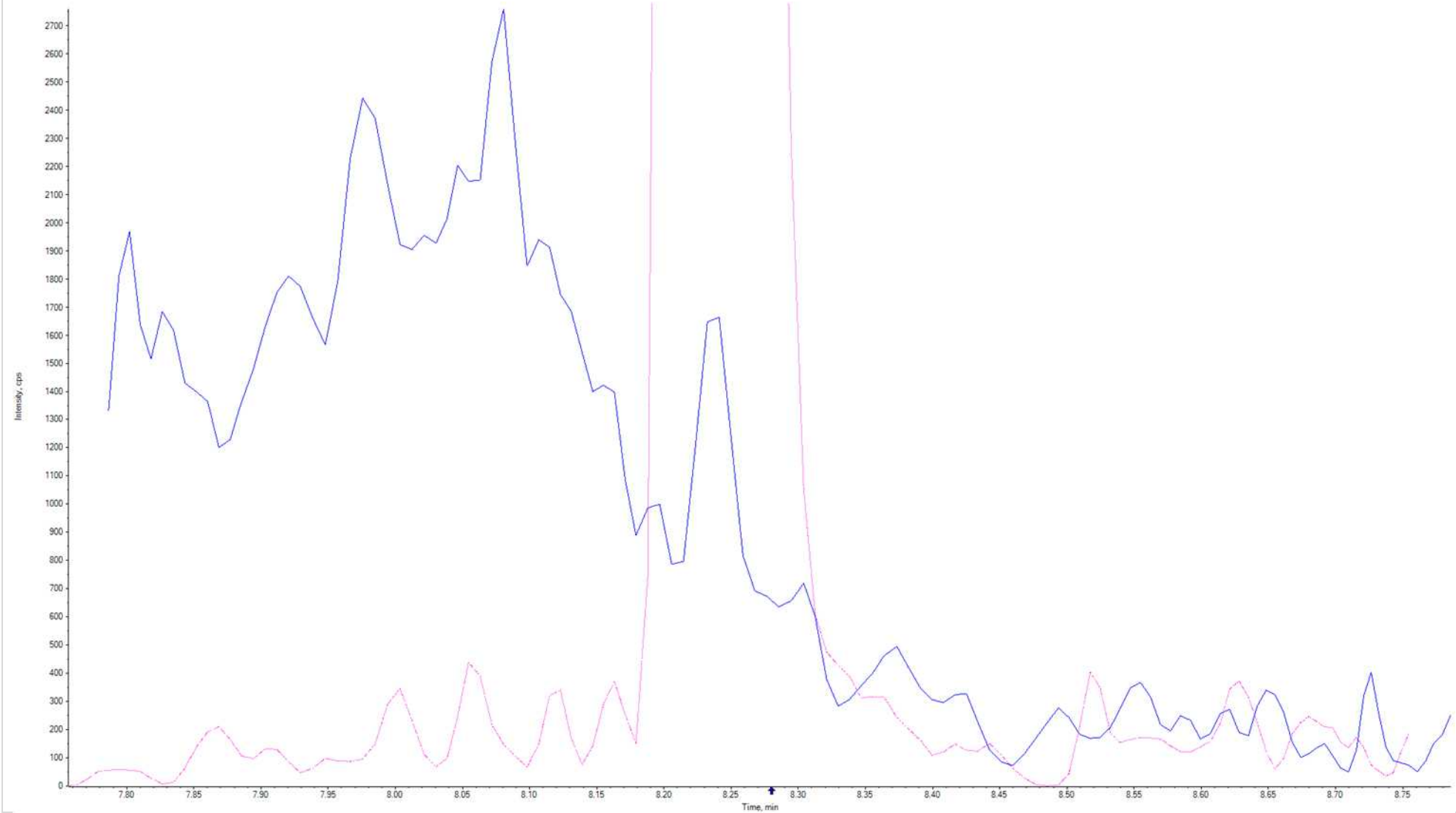

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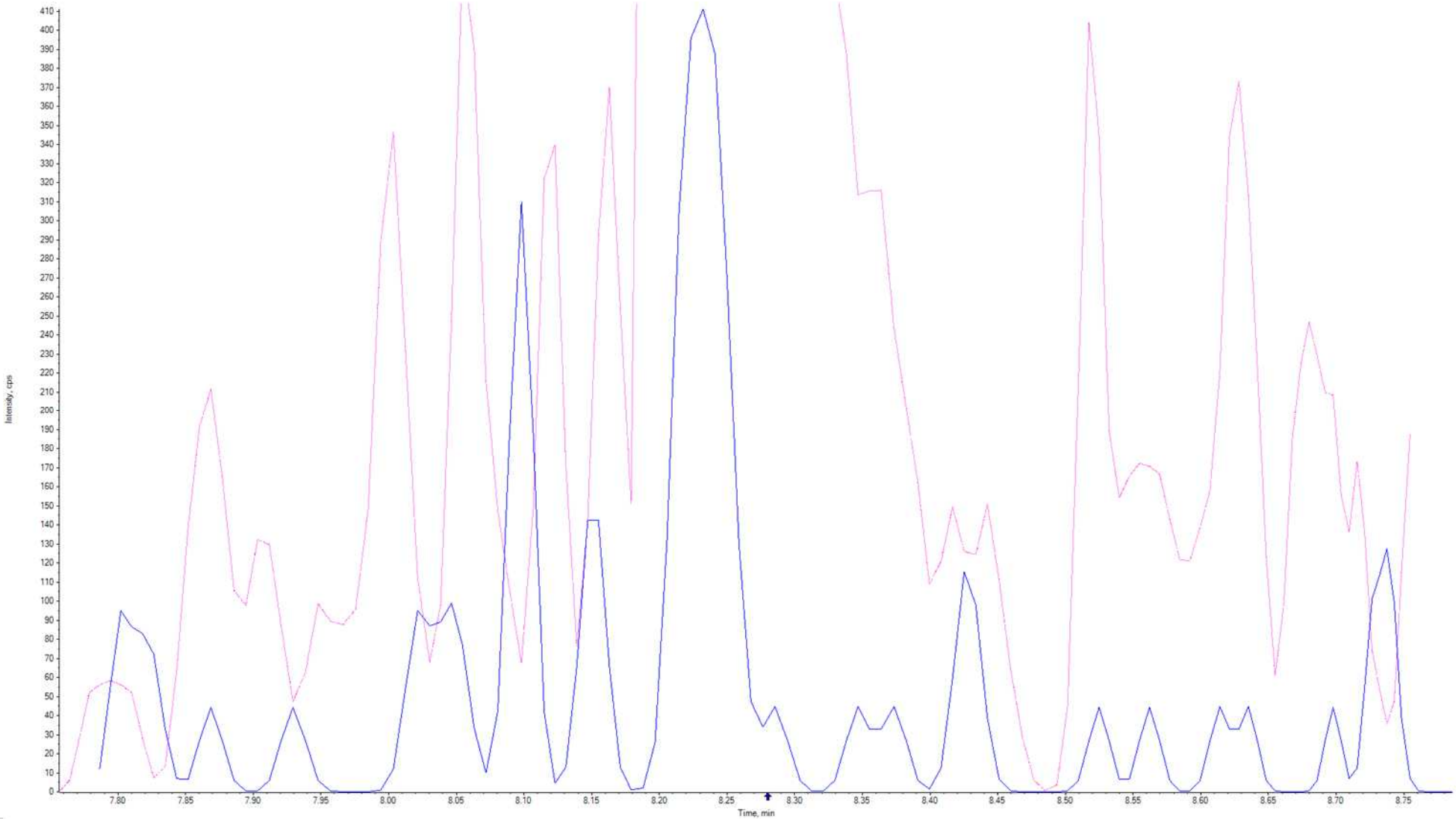
PFOS_2
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Generated: 9/17/2024 11:31:06 AM

PFNS
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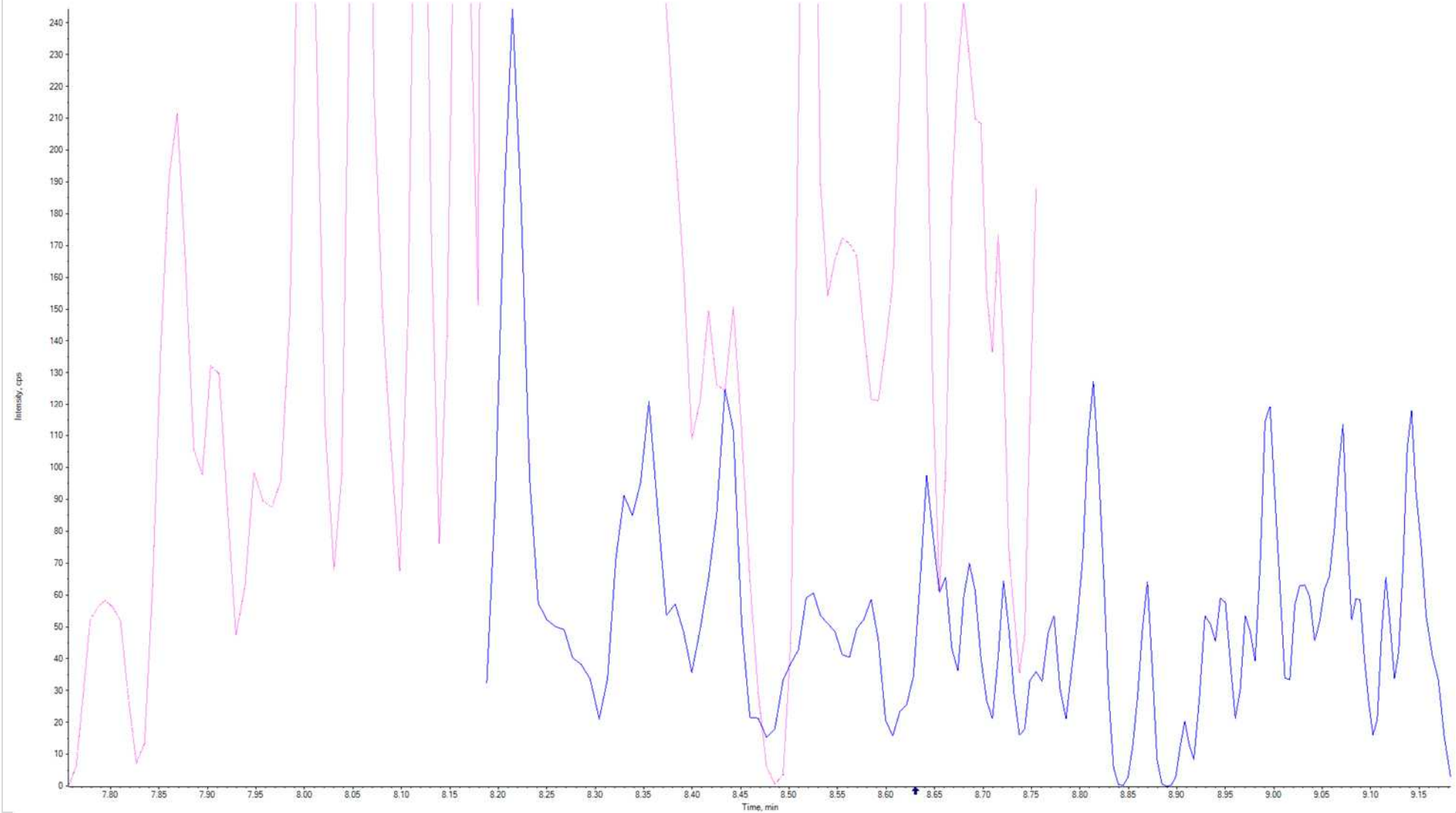

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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PFNS_2
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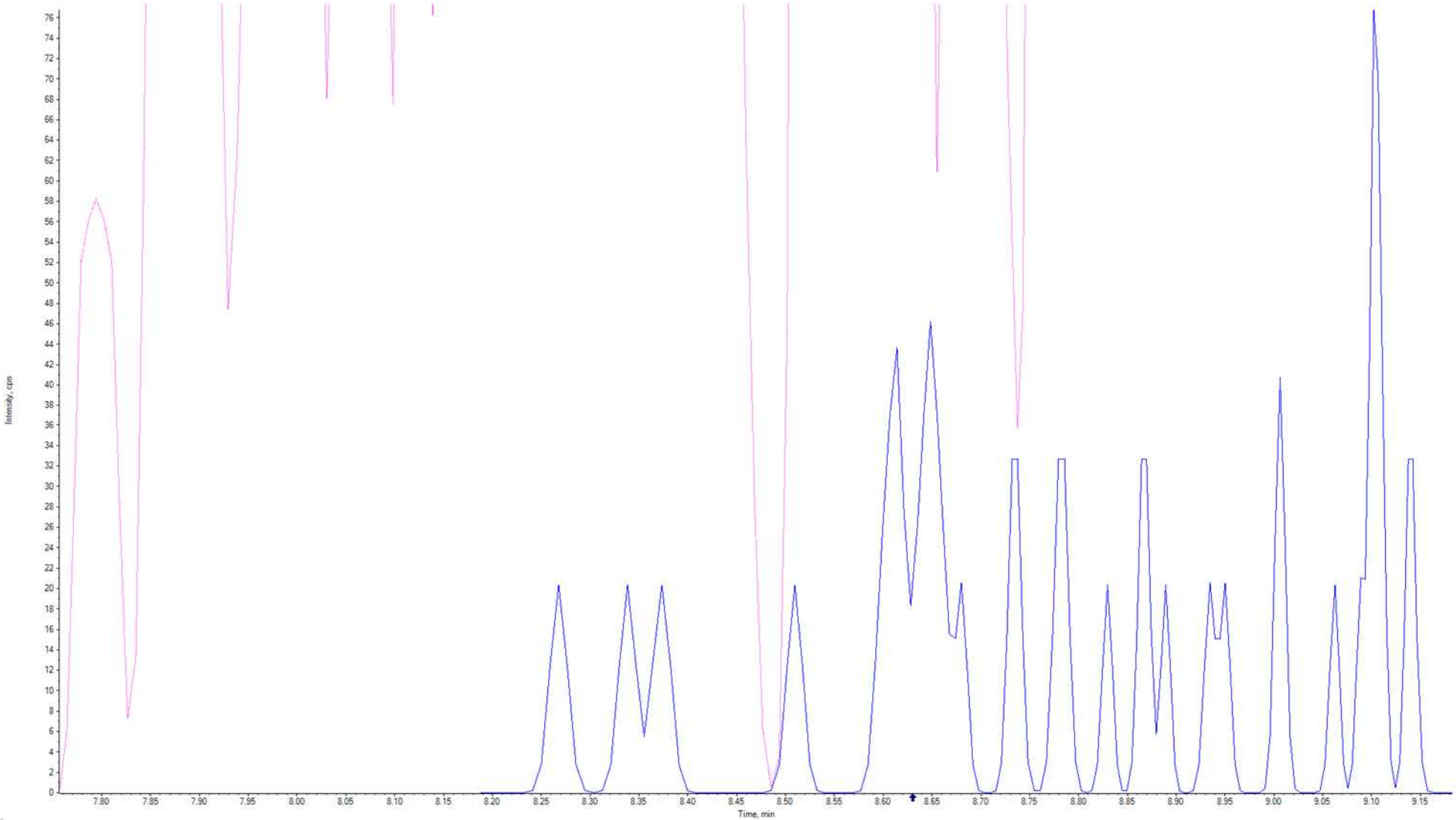

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFDS
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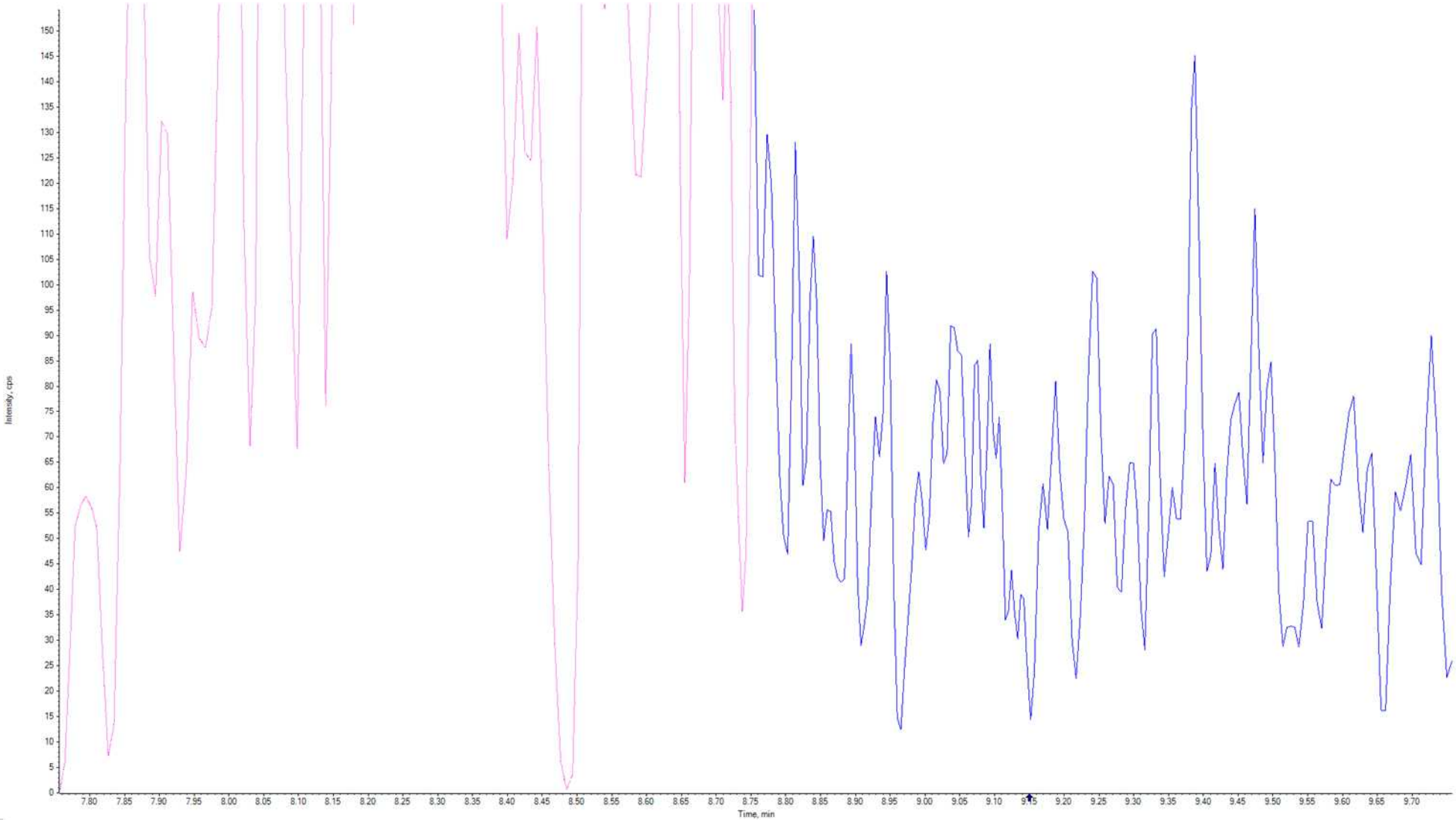

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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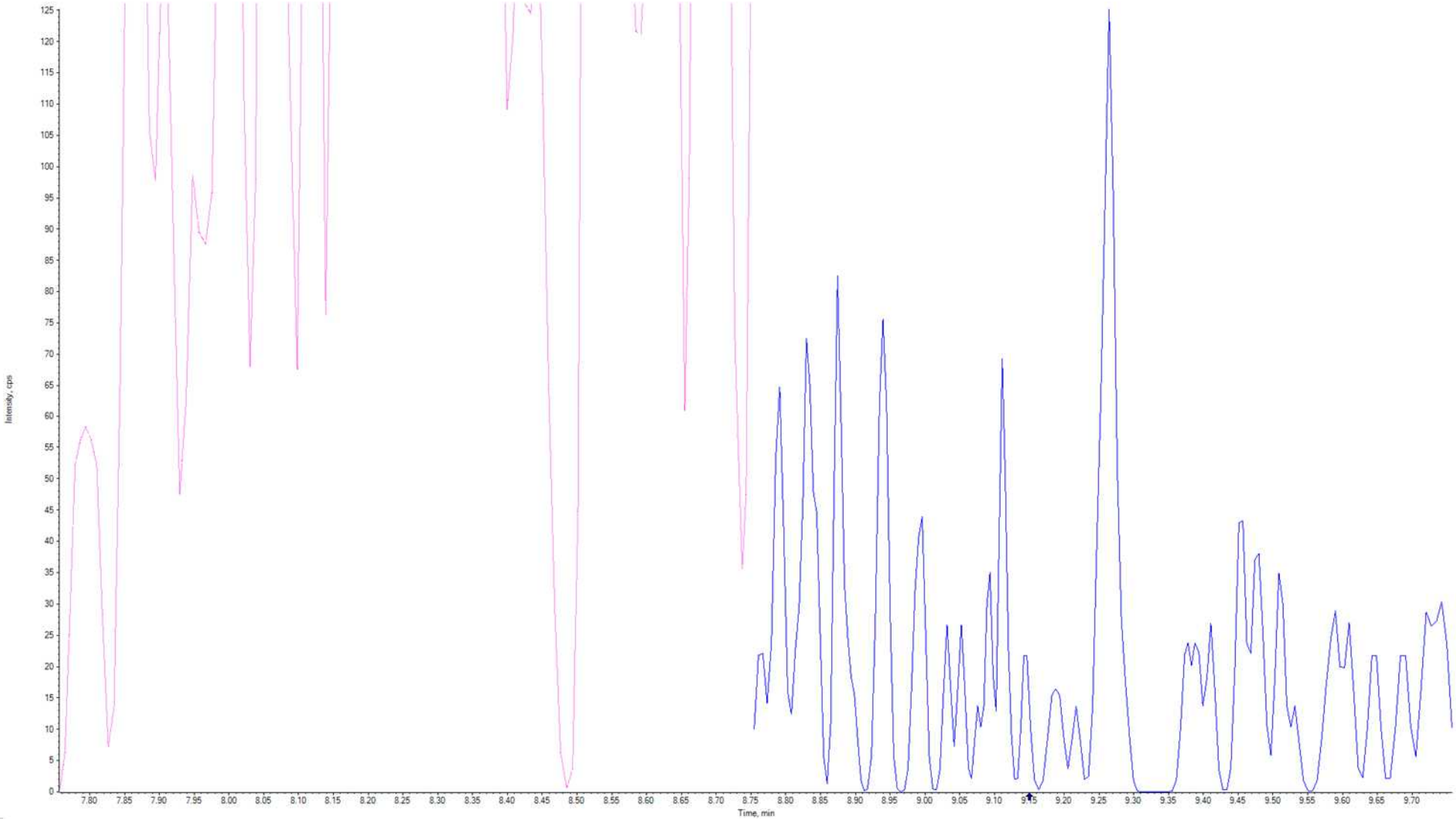
Generated: 9/17/2024 11:31:06 AM

PFDS_2
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
Dataset: D:\Analyst Data\Projects\PFAS\2024_09_17\Data\SCI05_240917_28.wiff
Last Altered: 9/17/2024 1:15:28 PM
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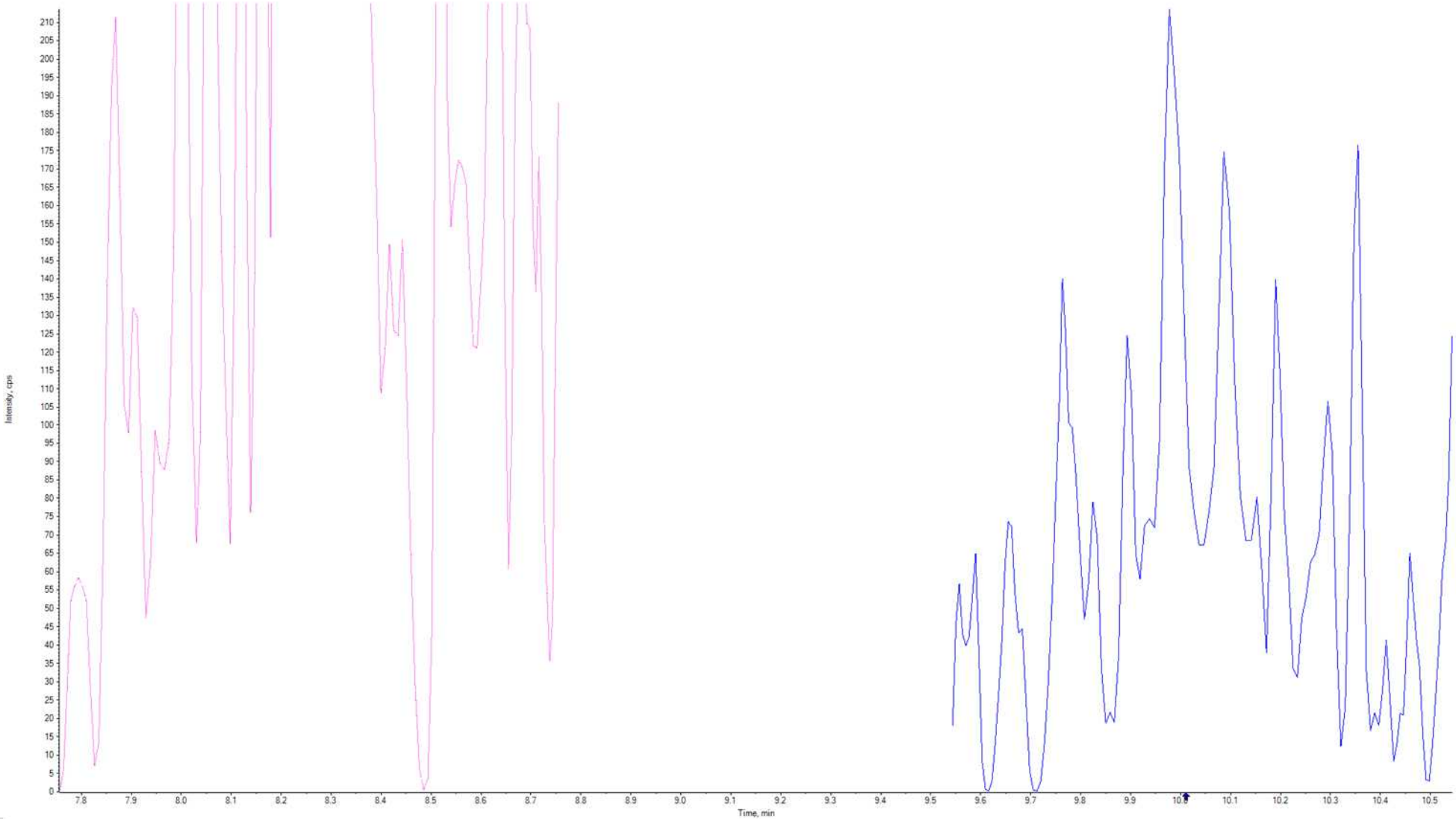
PFDoS
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFDoS_2
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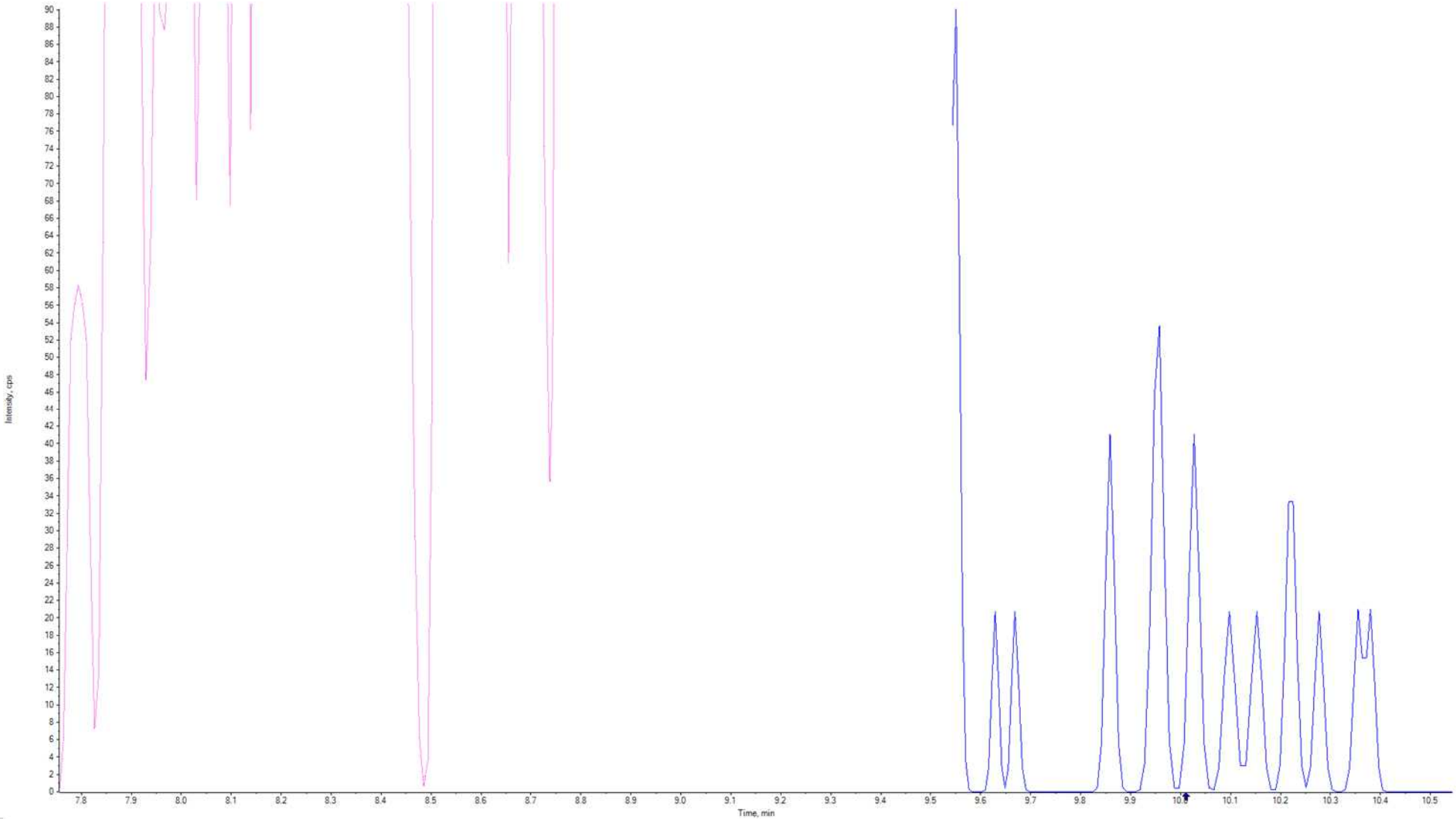

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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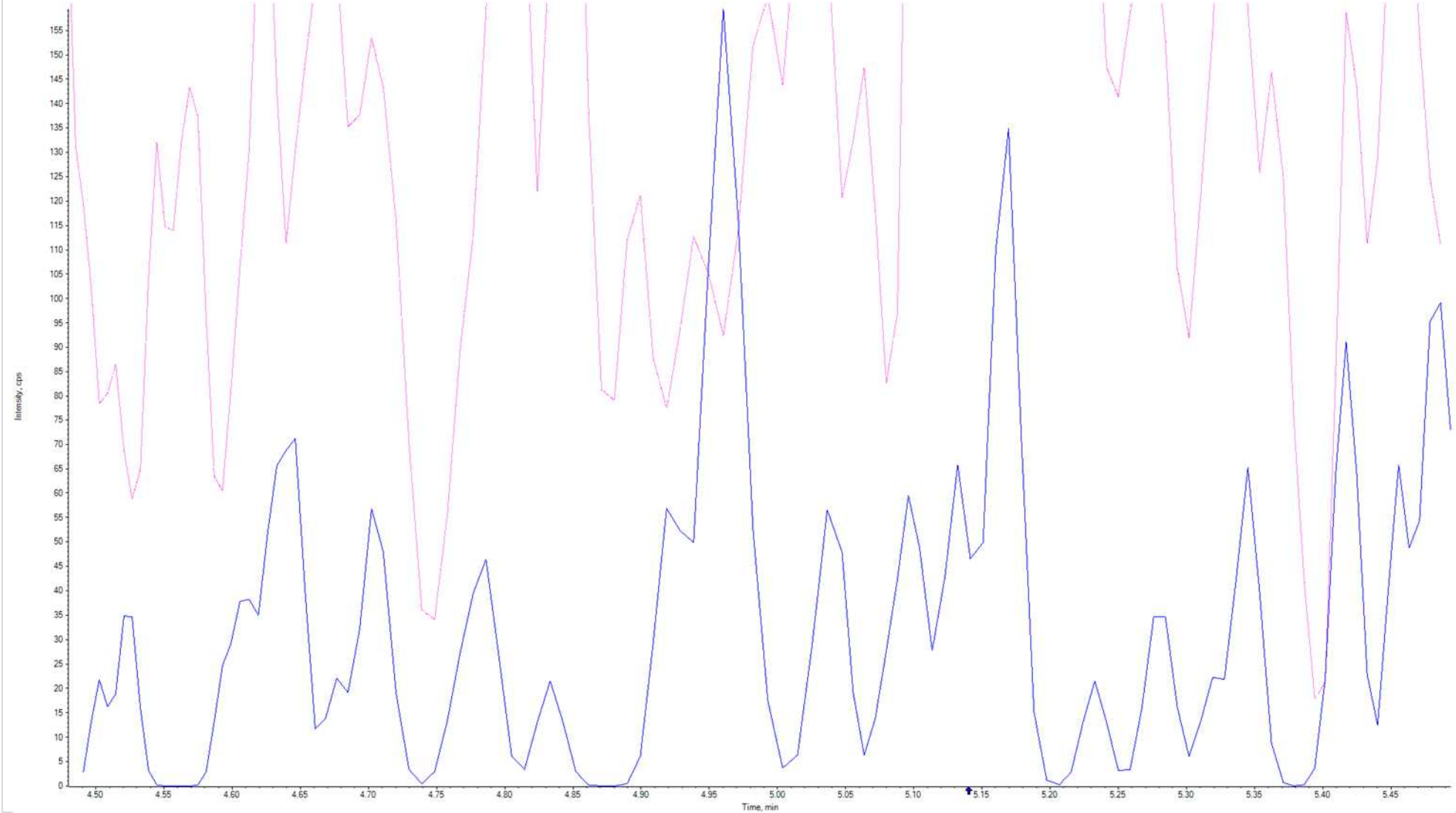
4:2FTS
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



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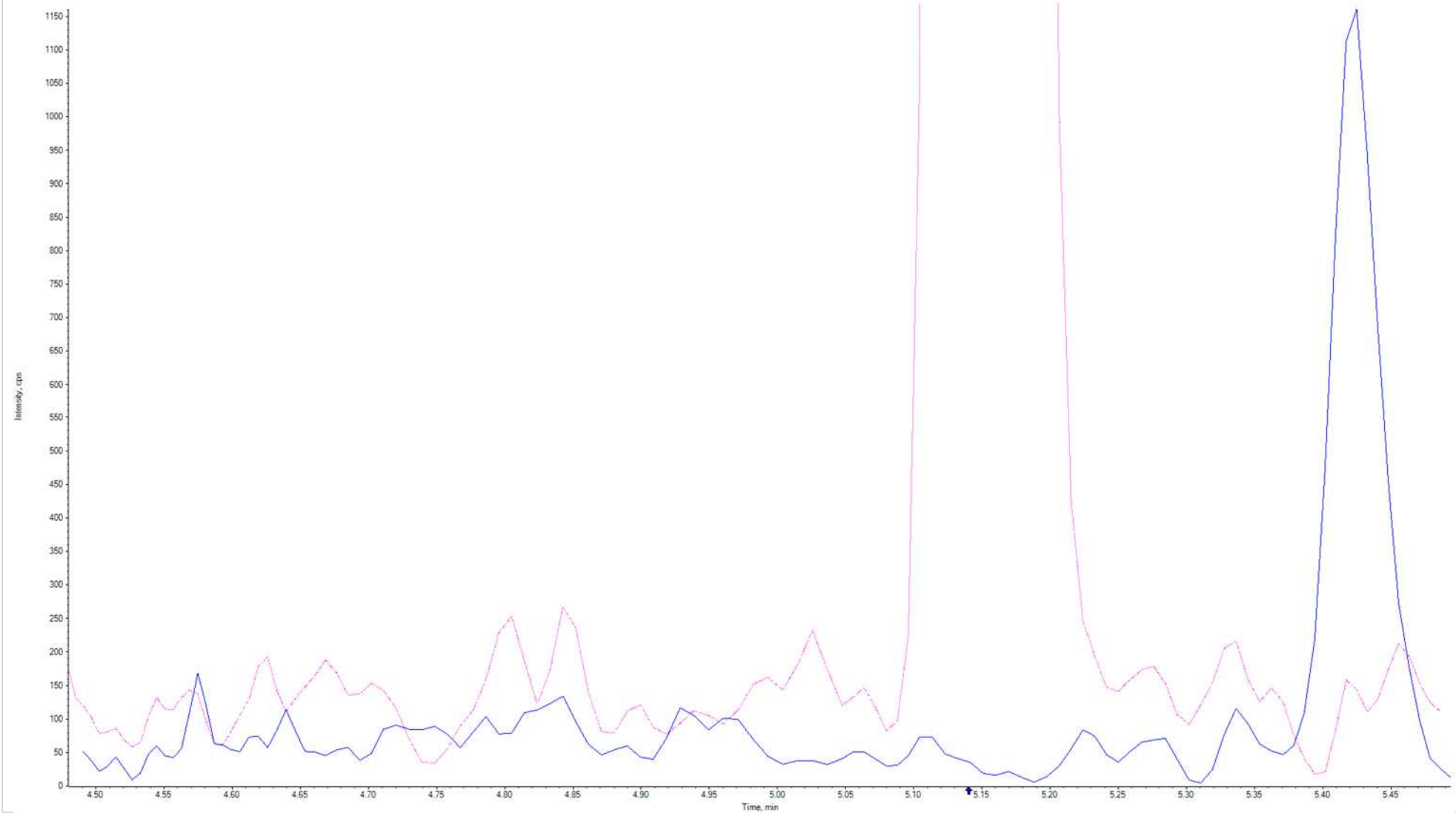

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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Last Altered: 9/17/2024 1:15:28 PM
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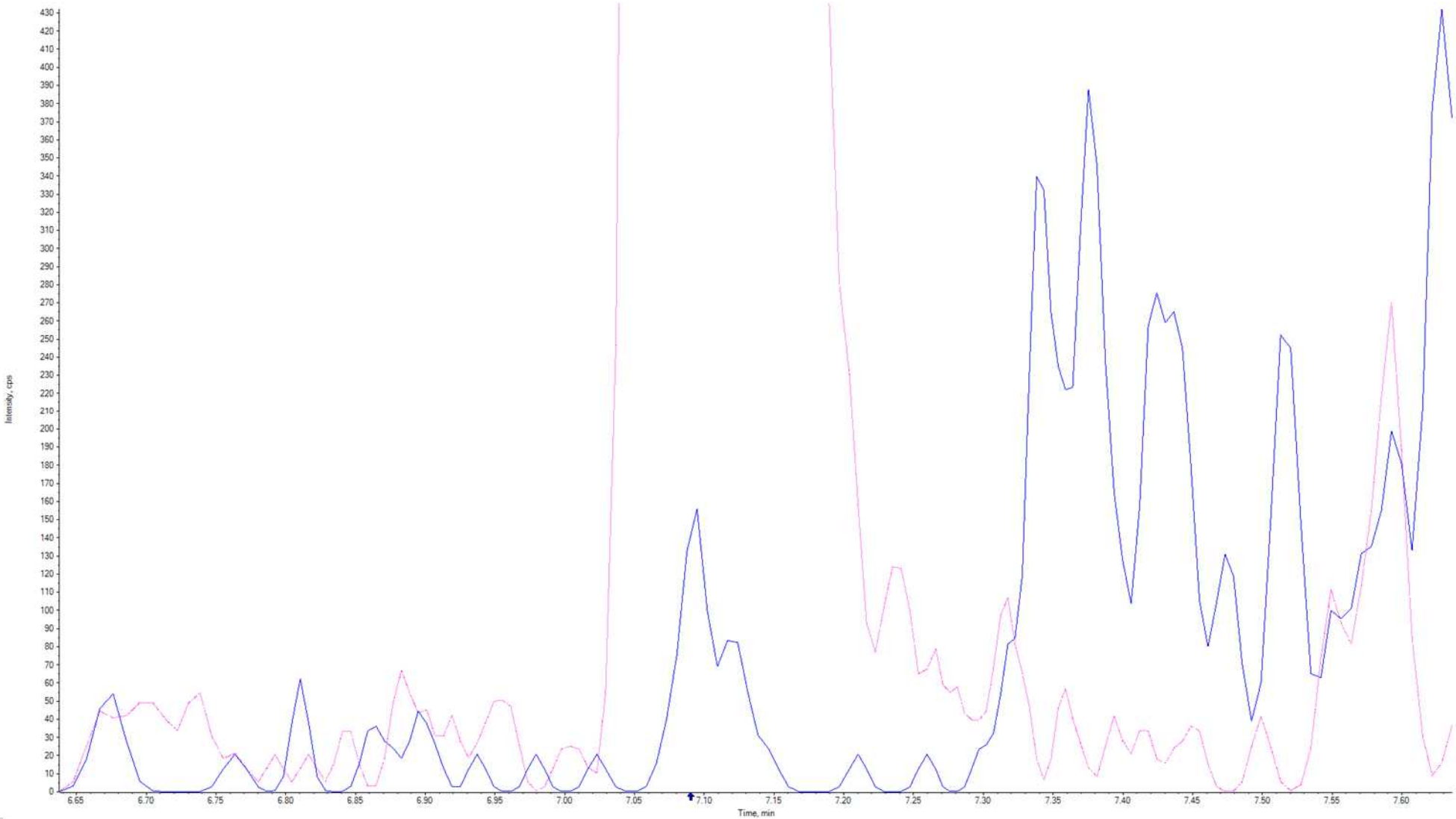
6:2FTS
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



6:2FTS_2
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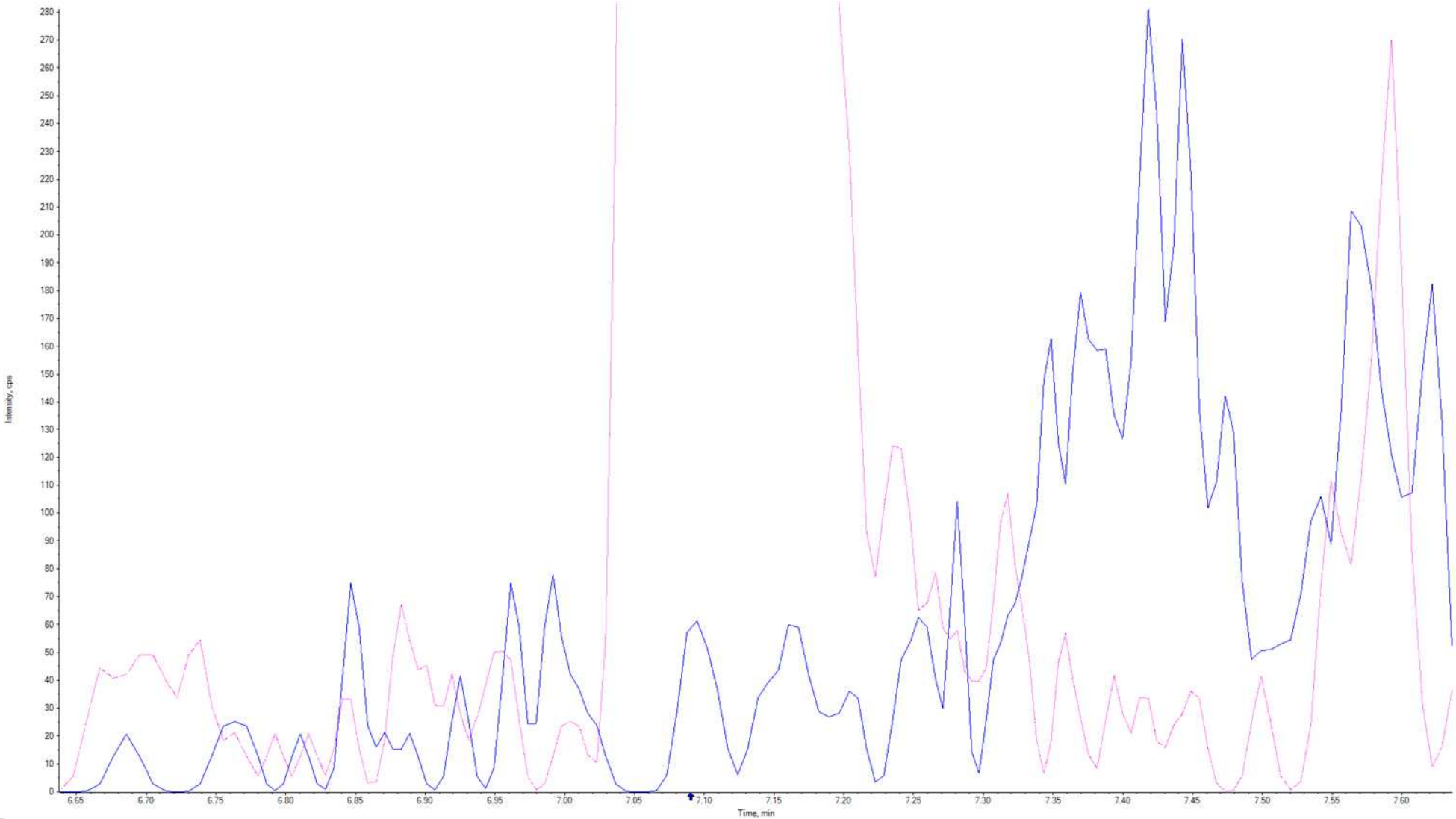

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Alpha Analytical Inc.
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8:2FTS
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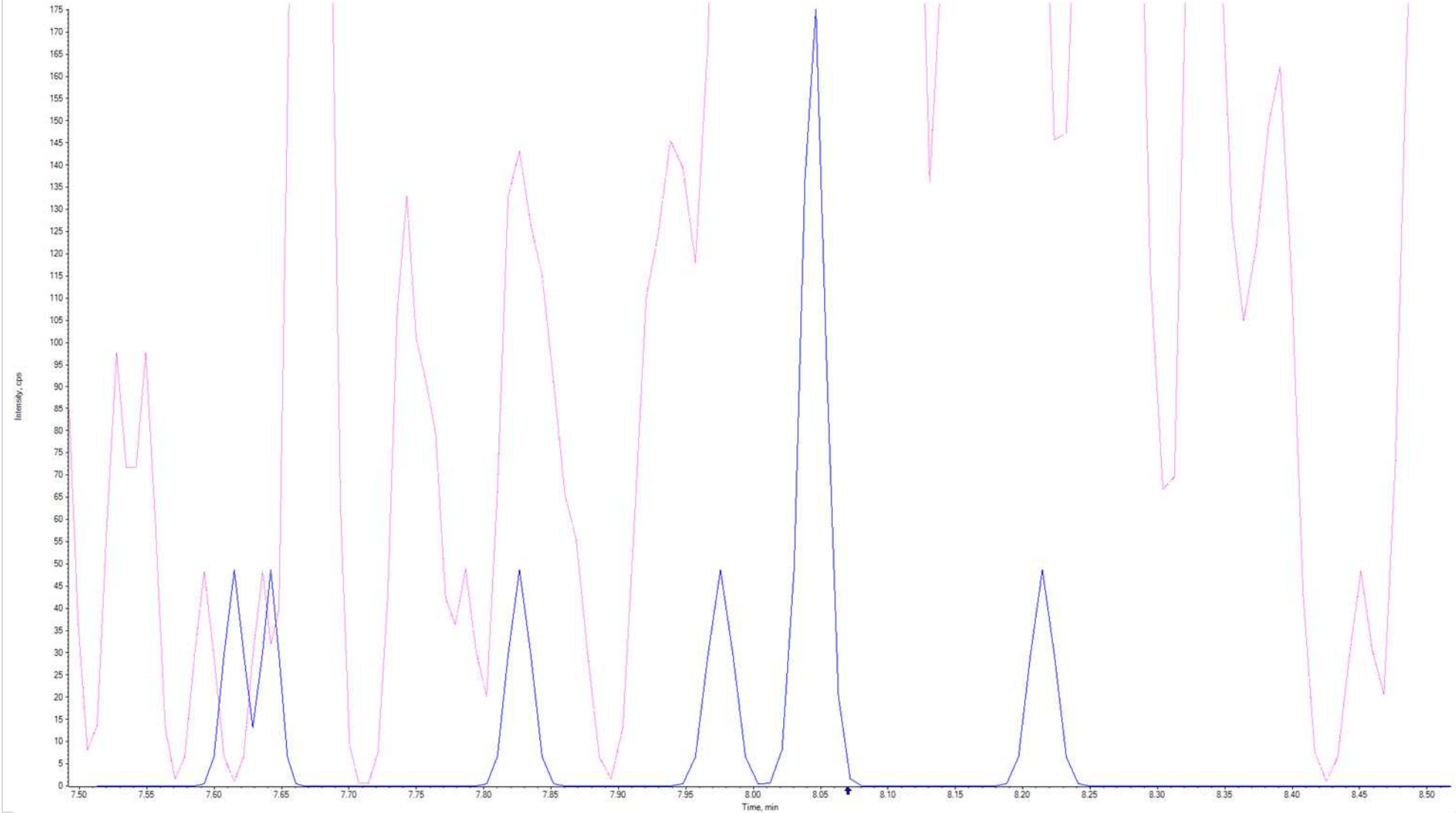

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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8:2FTS_2
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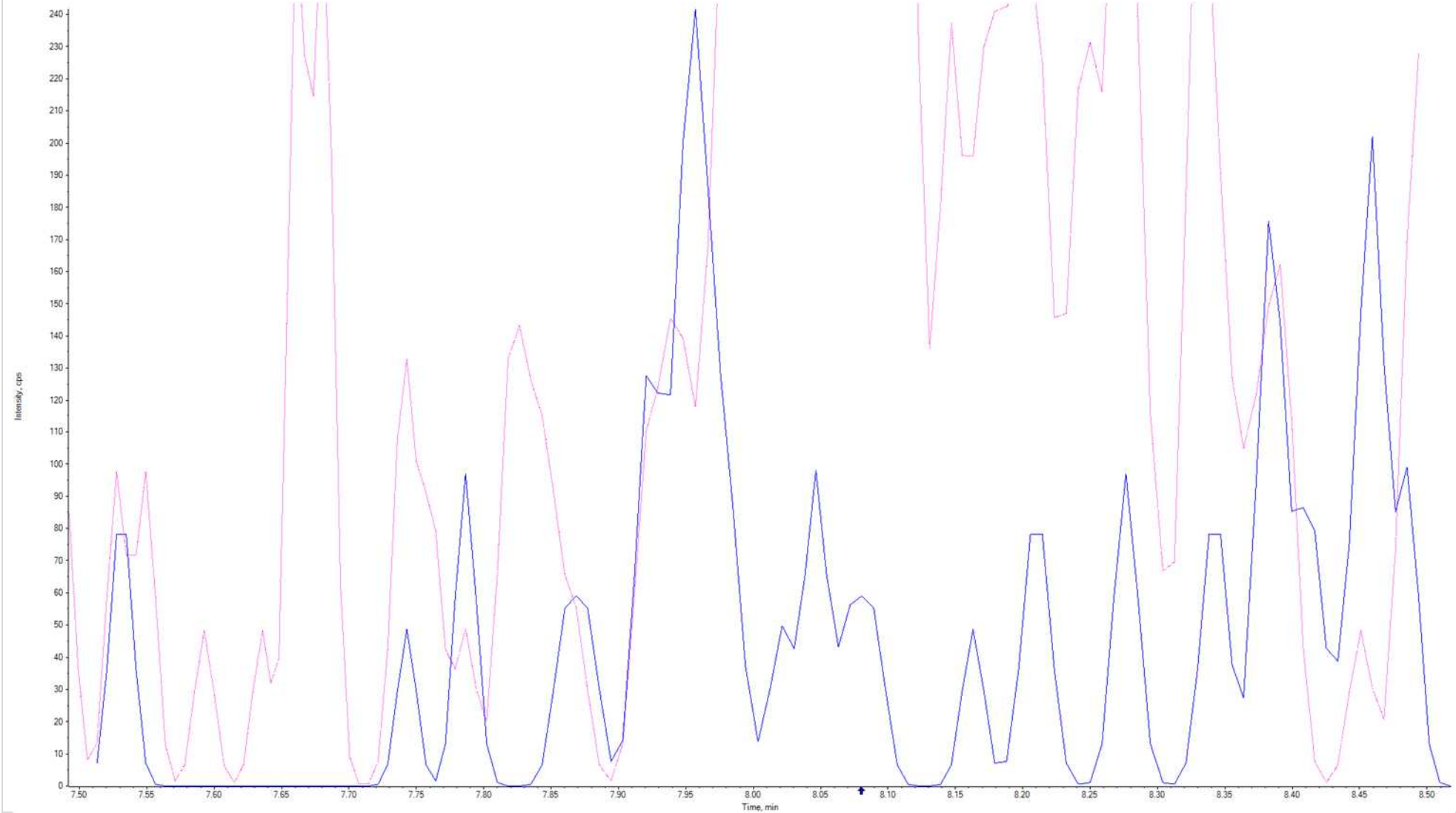

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Alpha Analytical Inc.
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PFOSA
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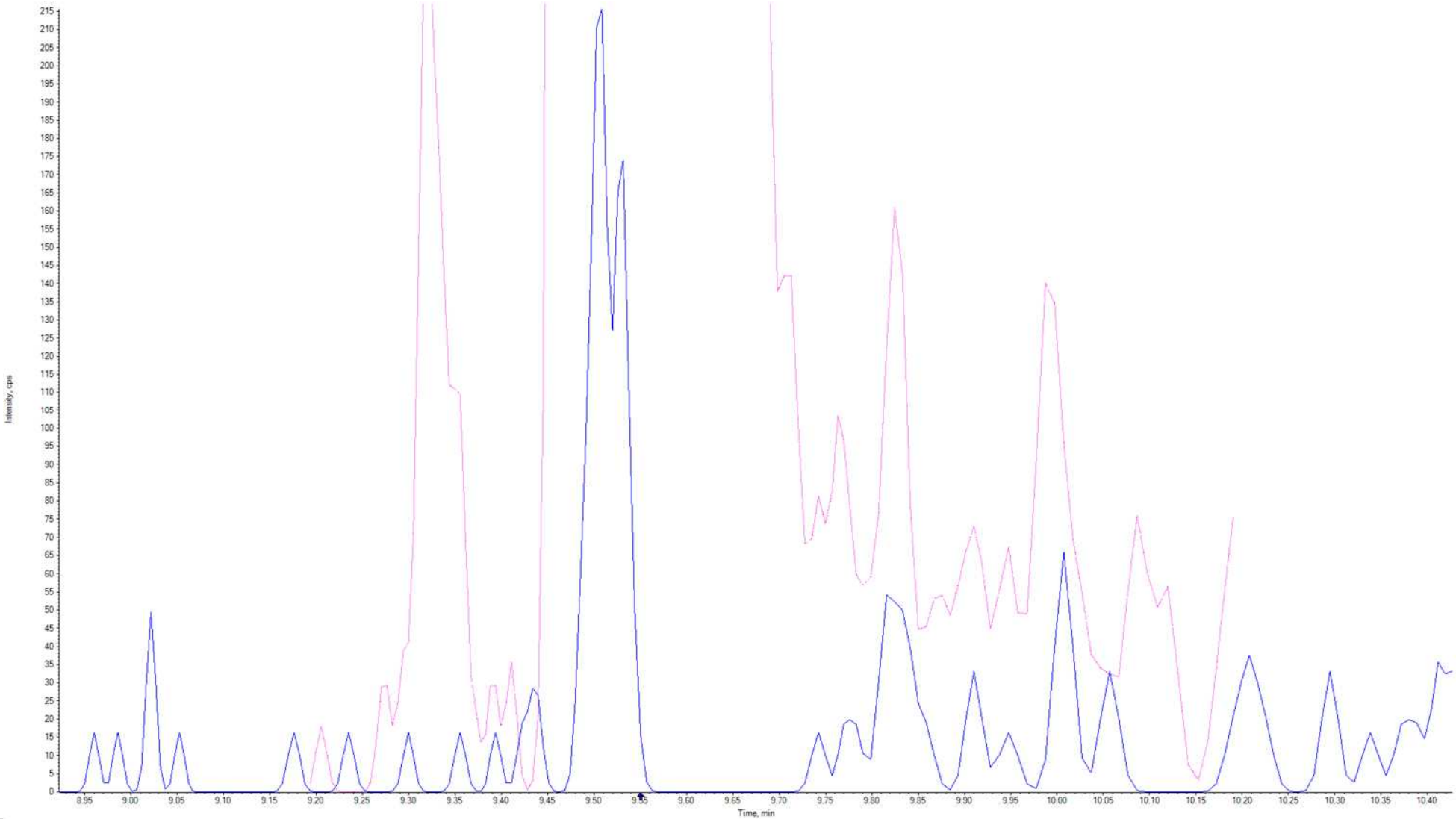

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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PFOSA_2
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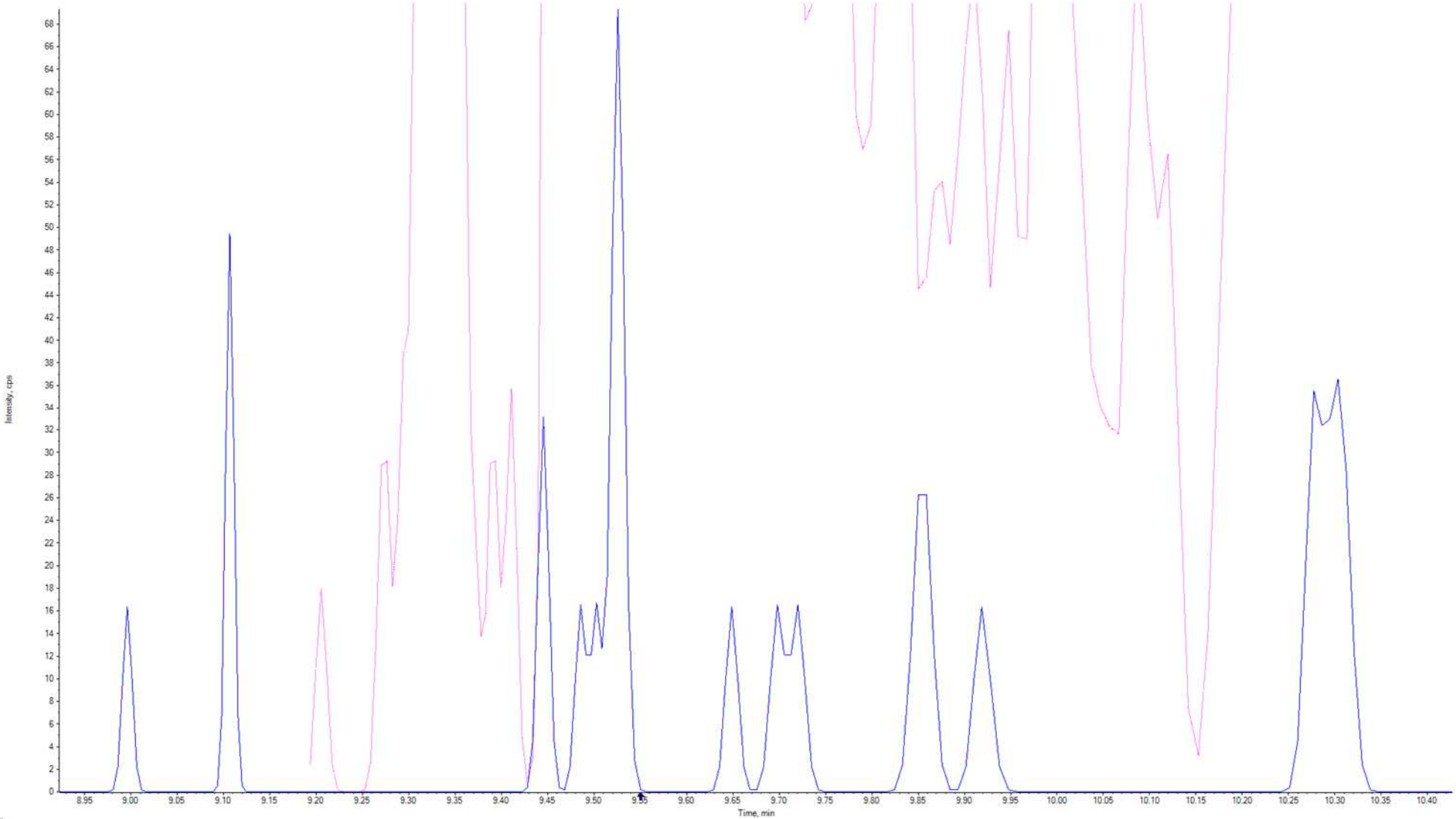

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NMeFOSA
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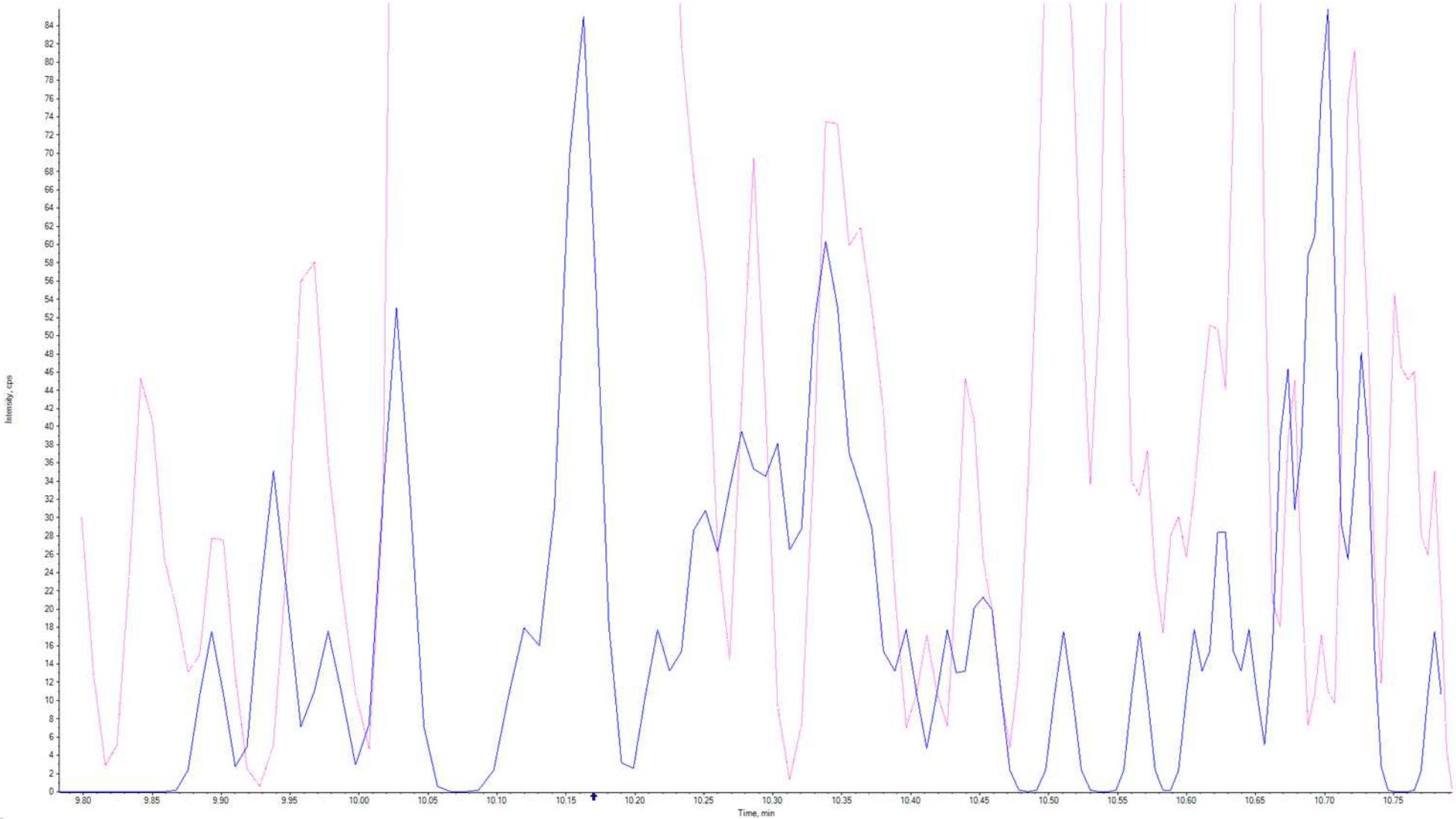

NMeFOSA_2
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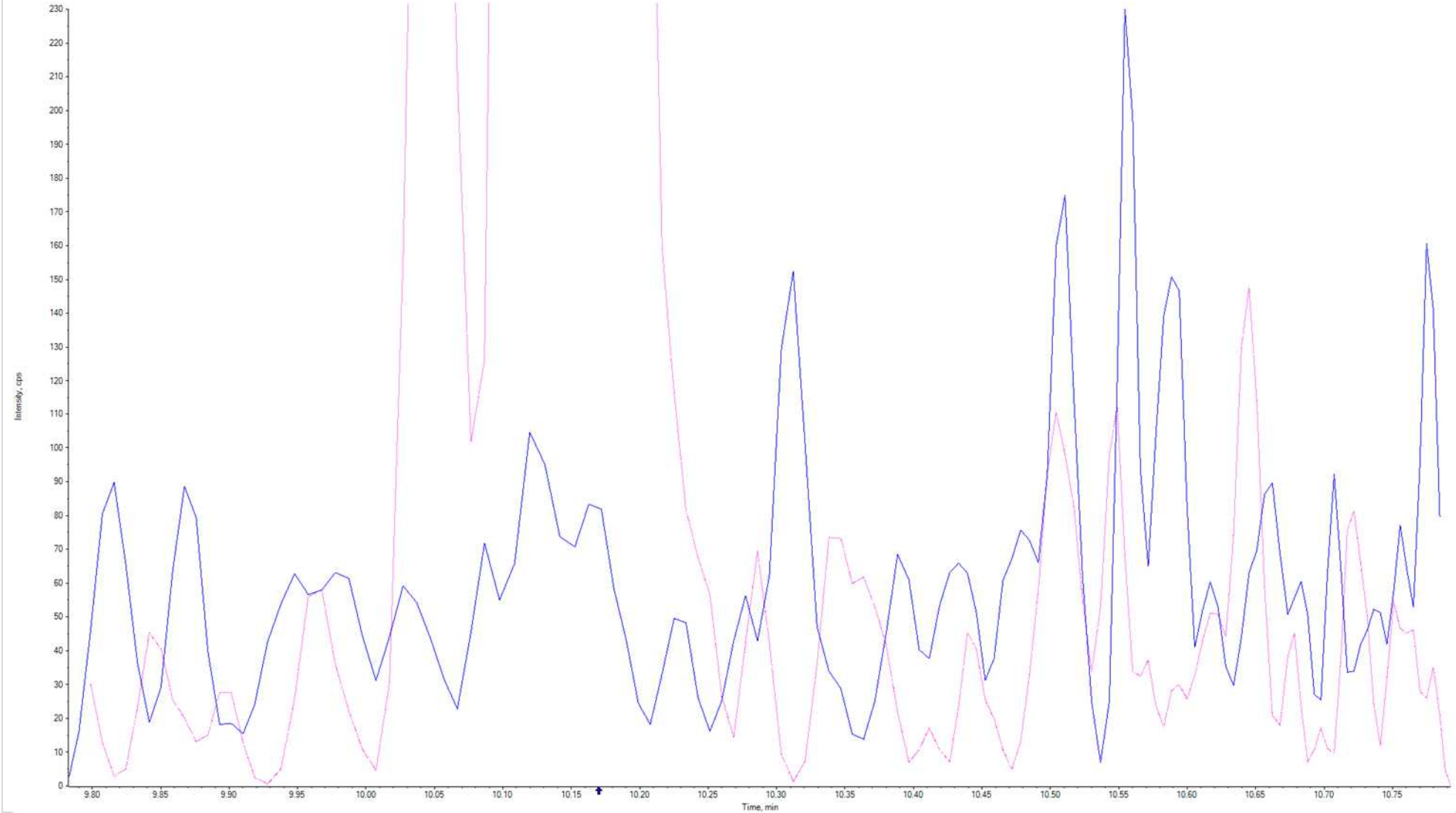

NEtFOSA
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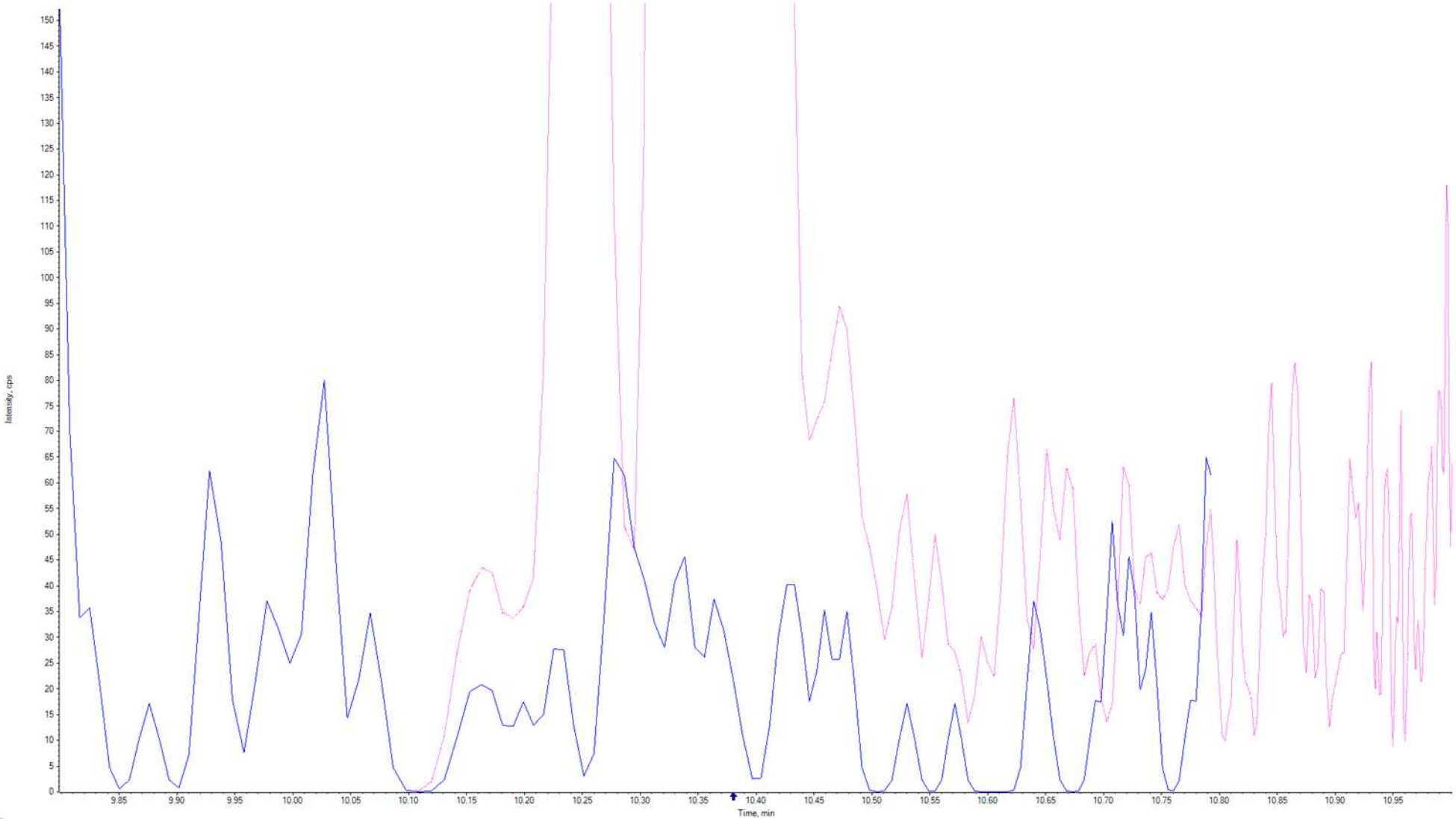

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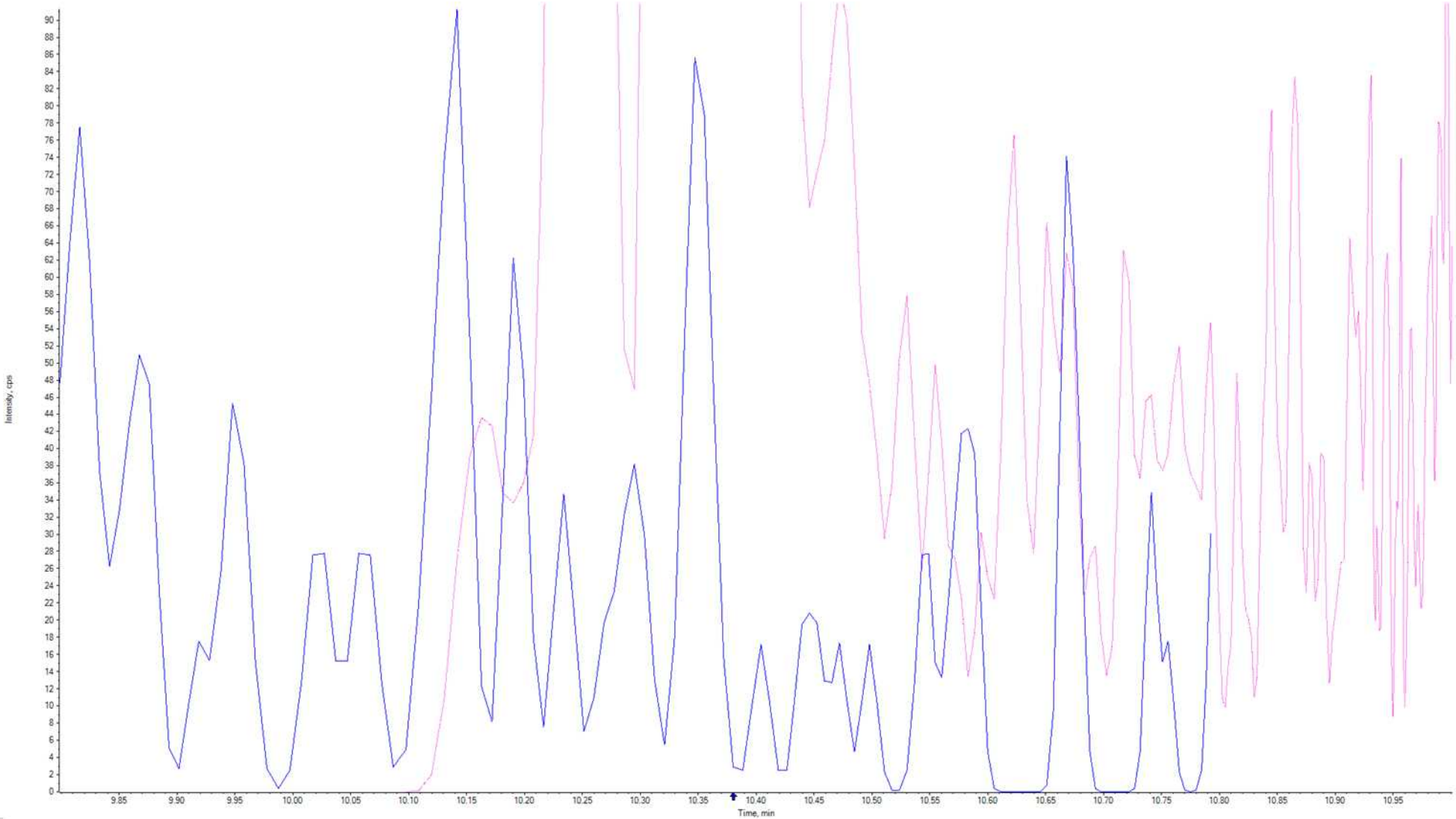

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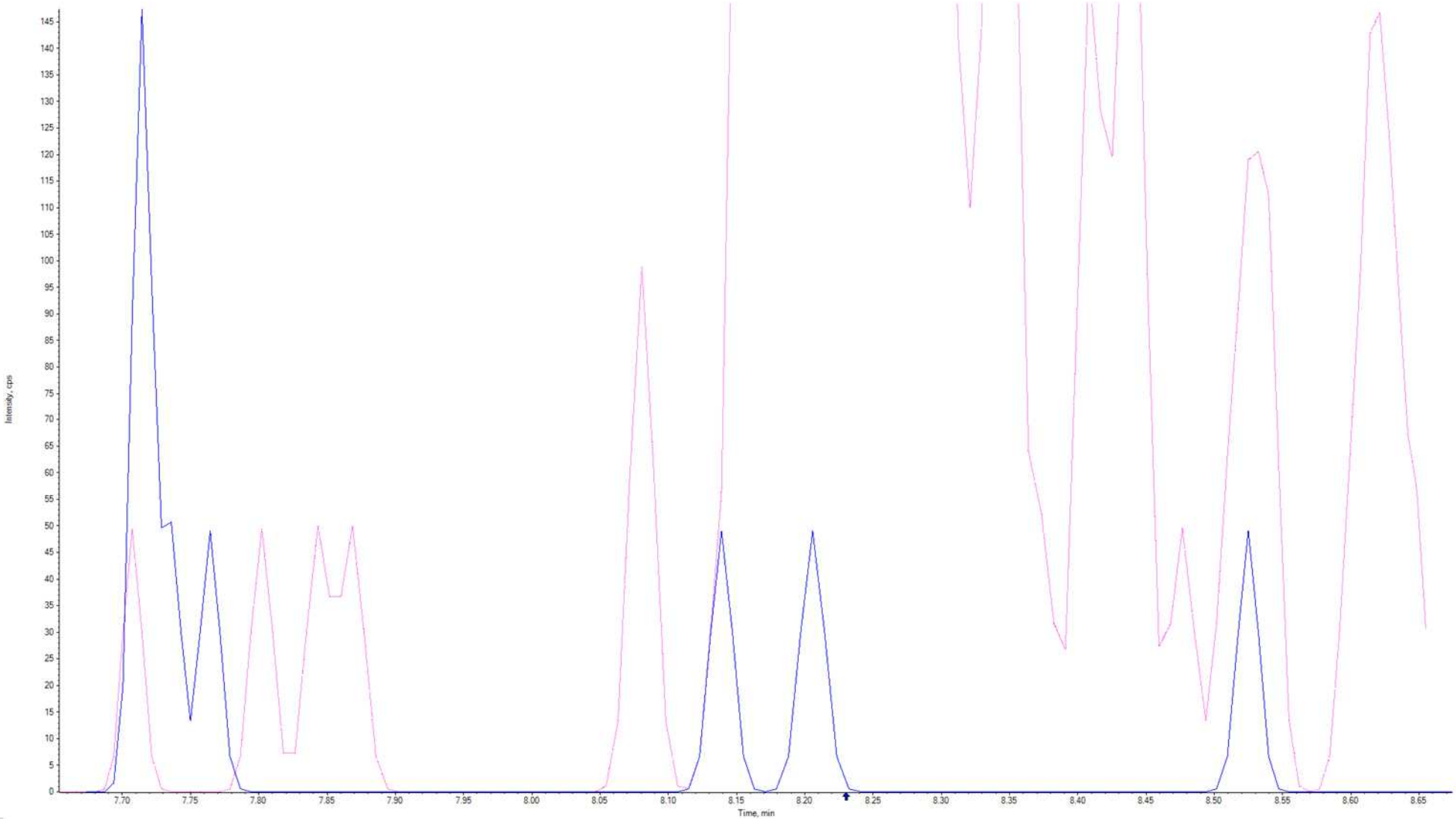

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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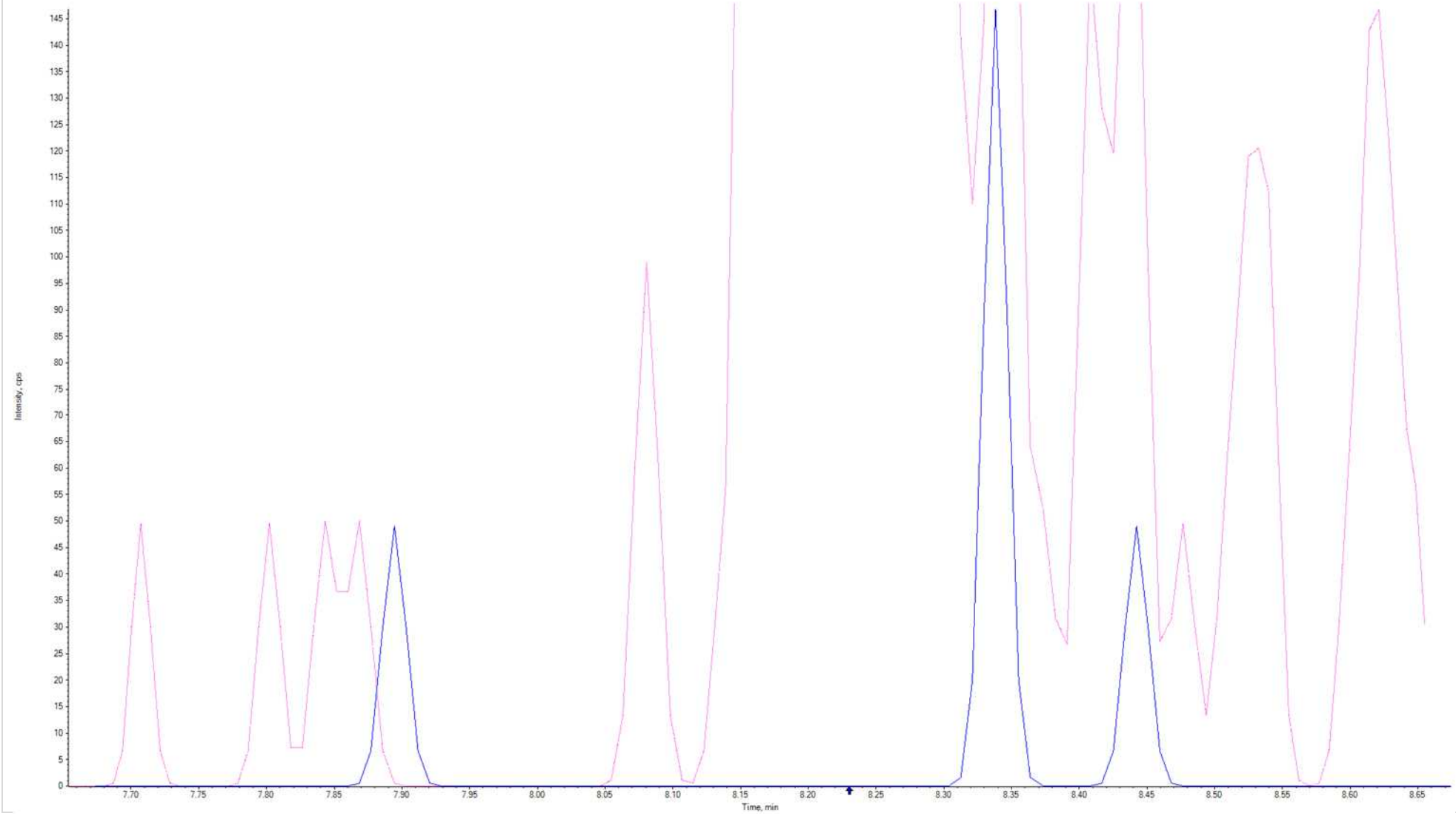

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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NEtFOSAA
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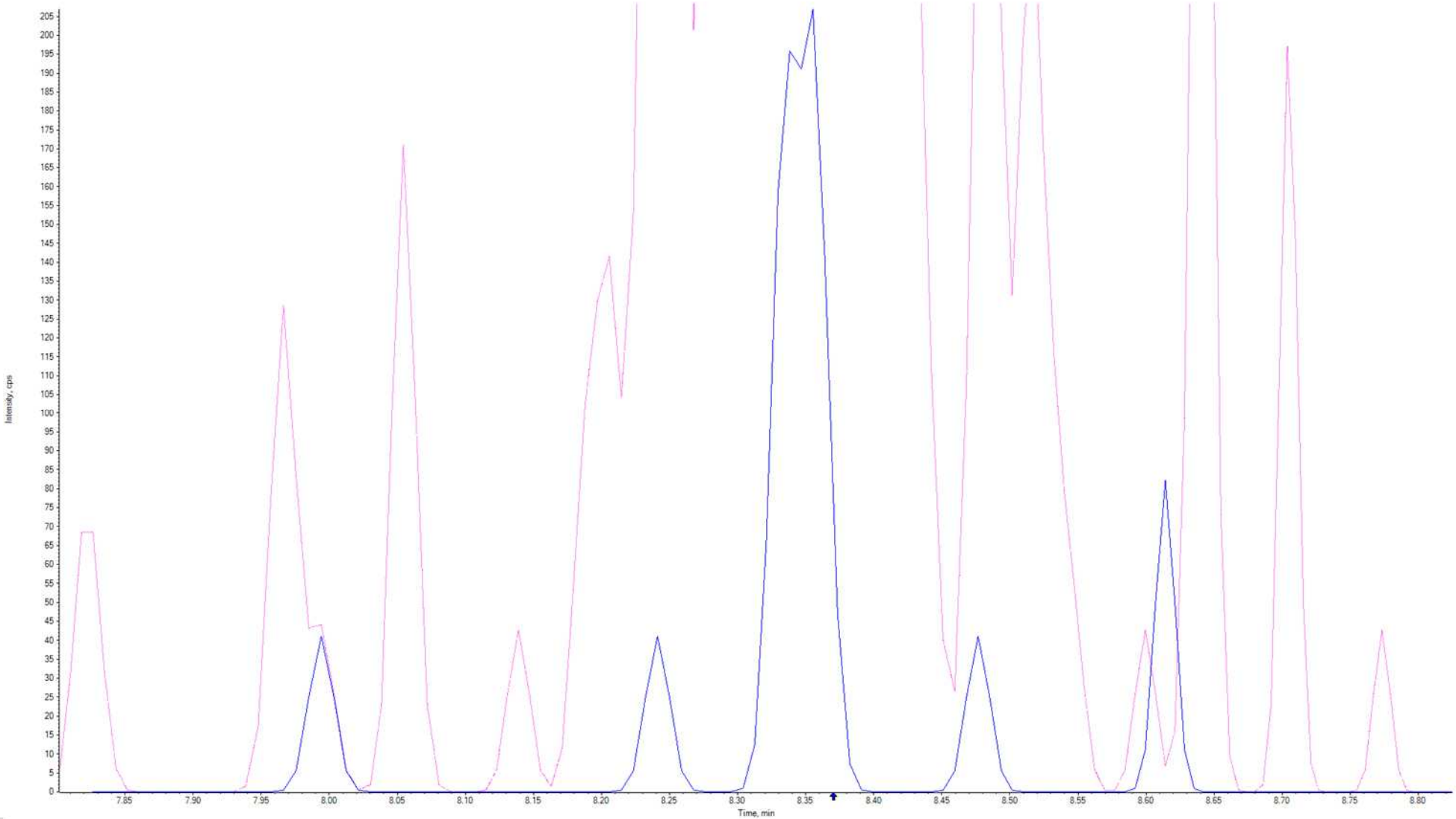

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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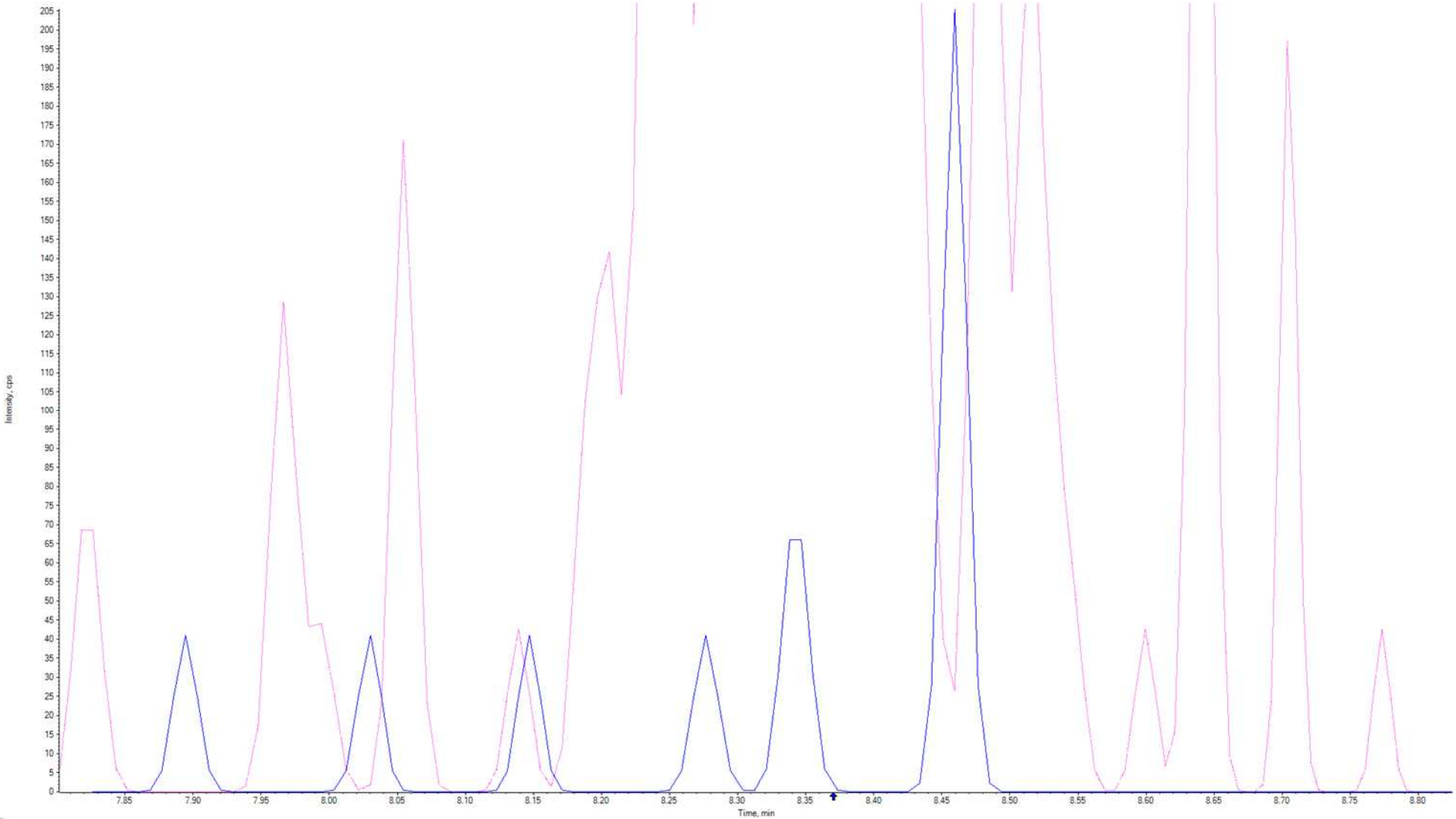

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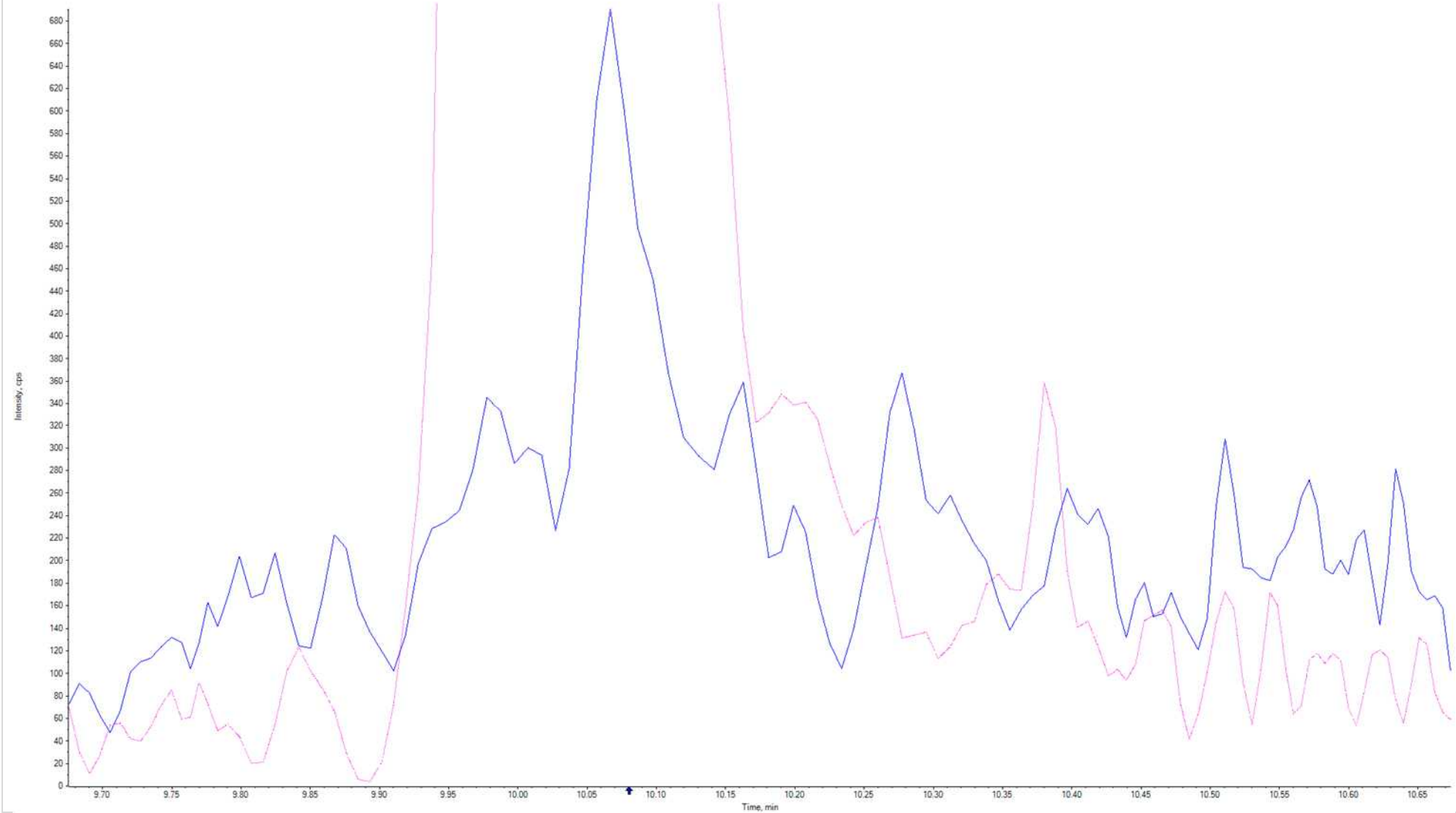

NEtFOSE
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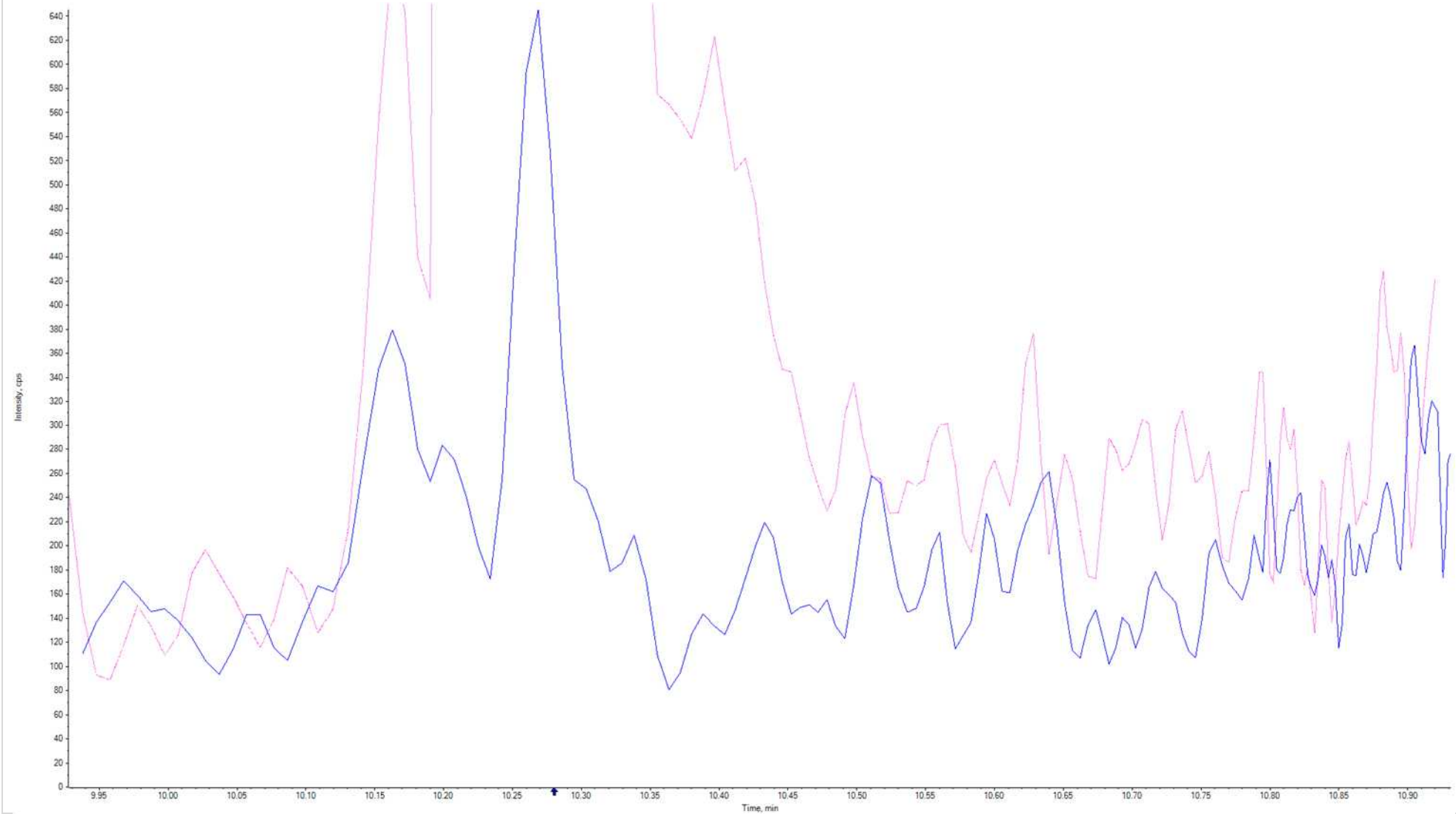

HFPO-DA
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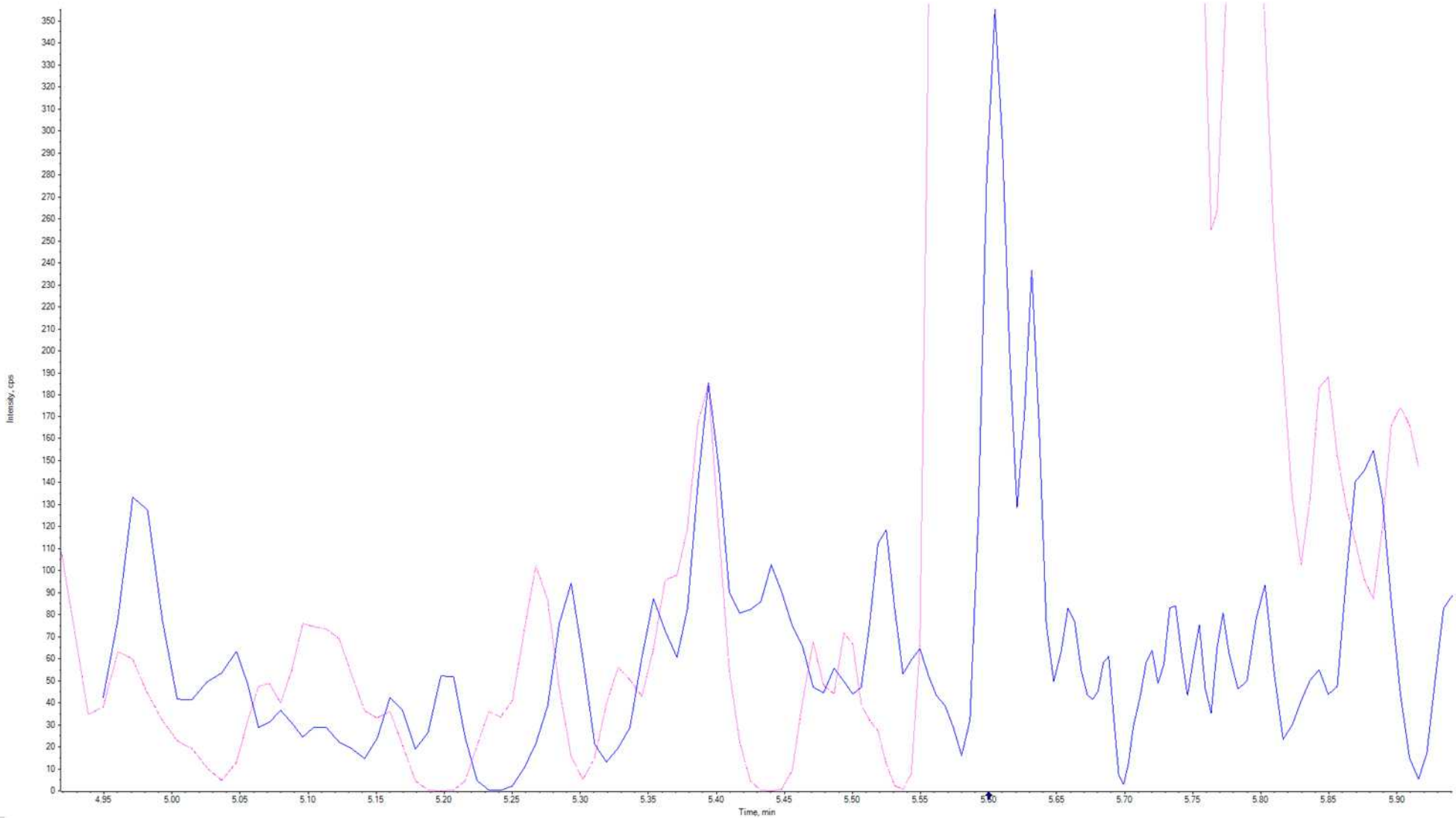

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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HFPO-DA_2
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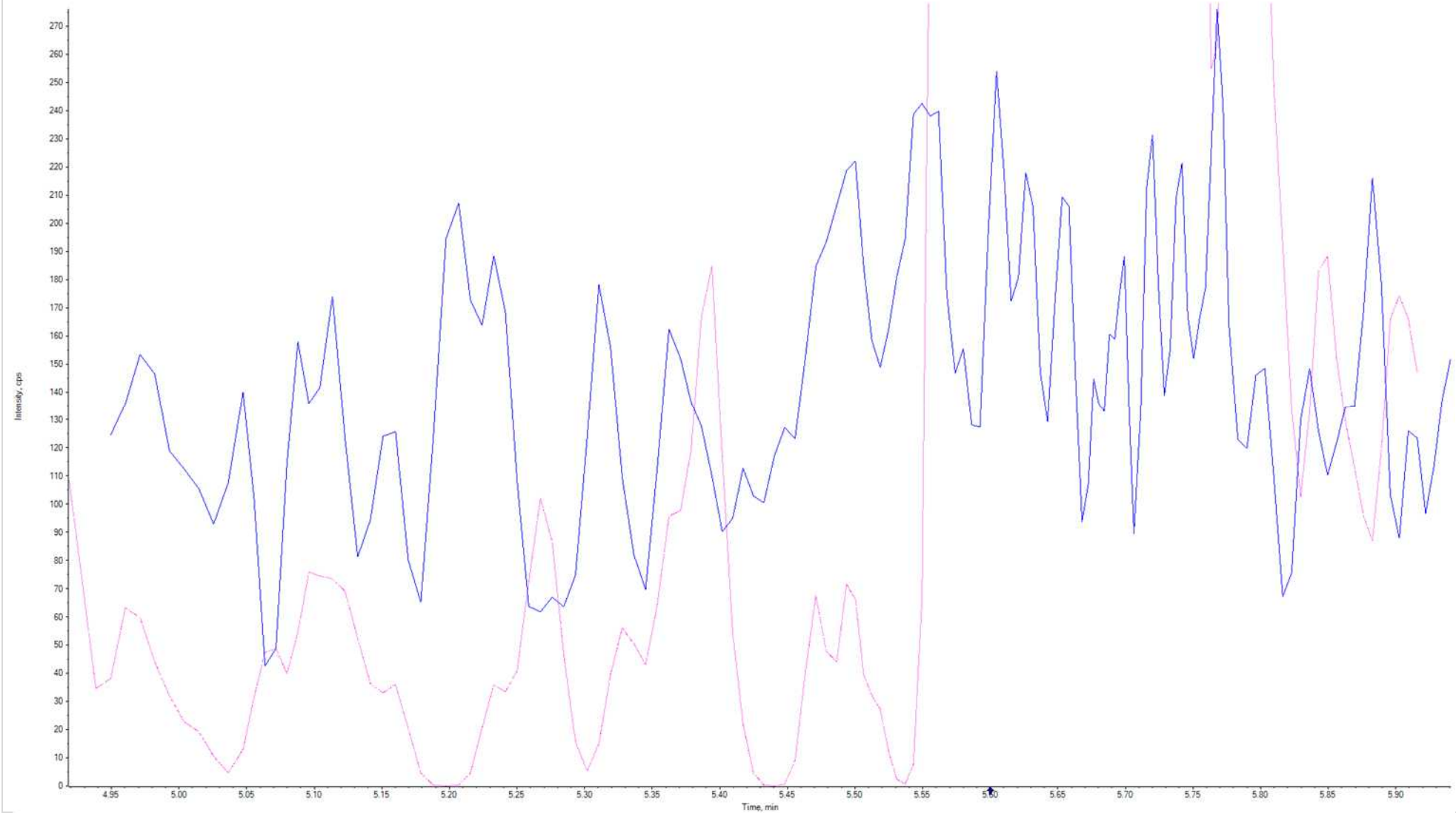

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ADONA
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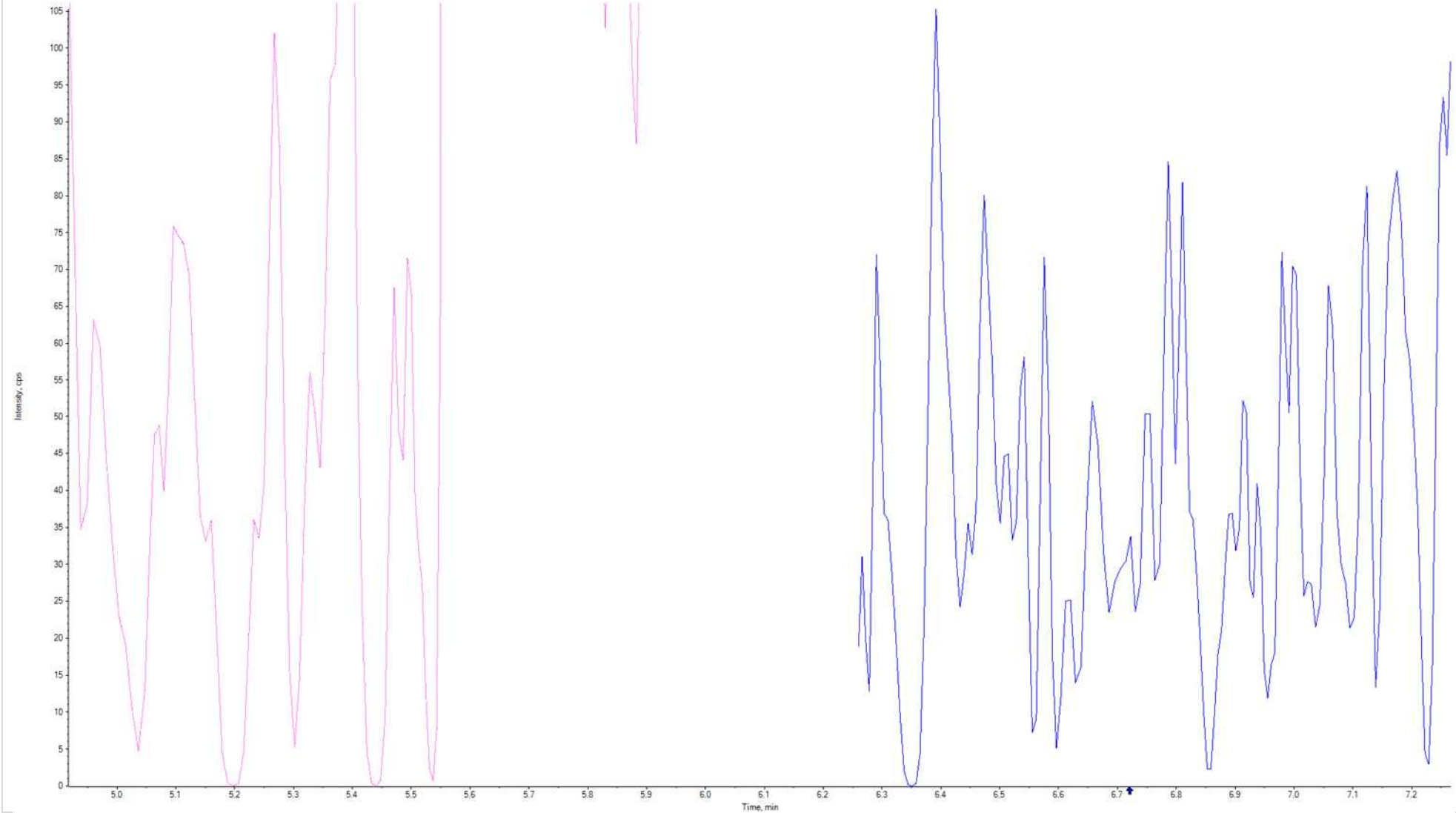

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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ADONA_2
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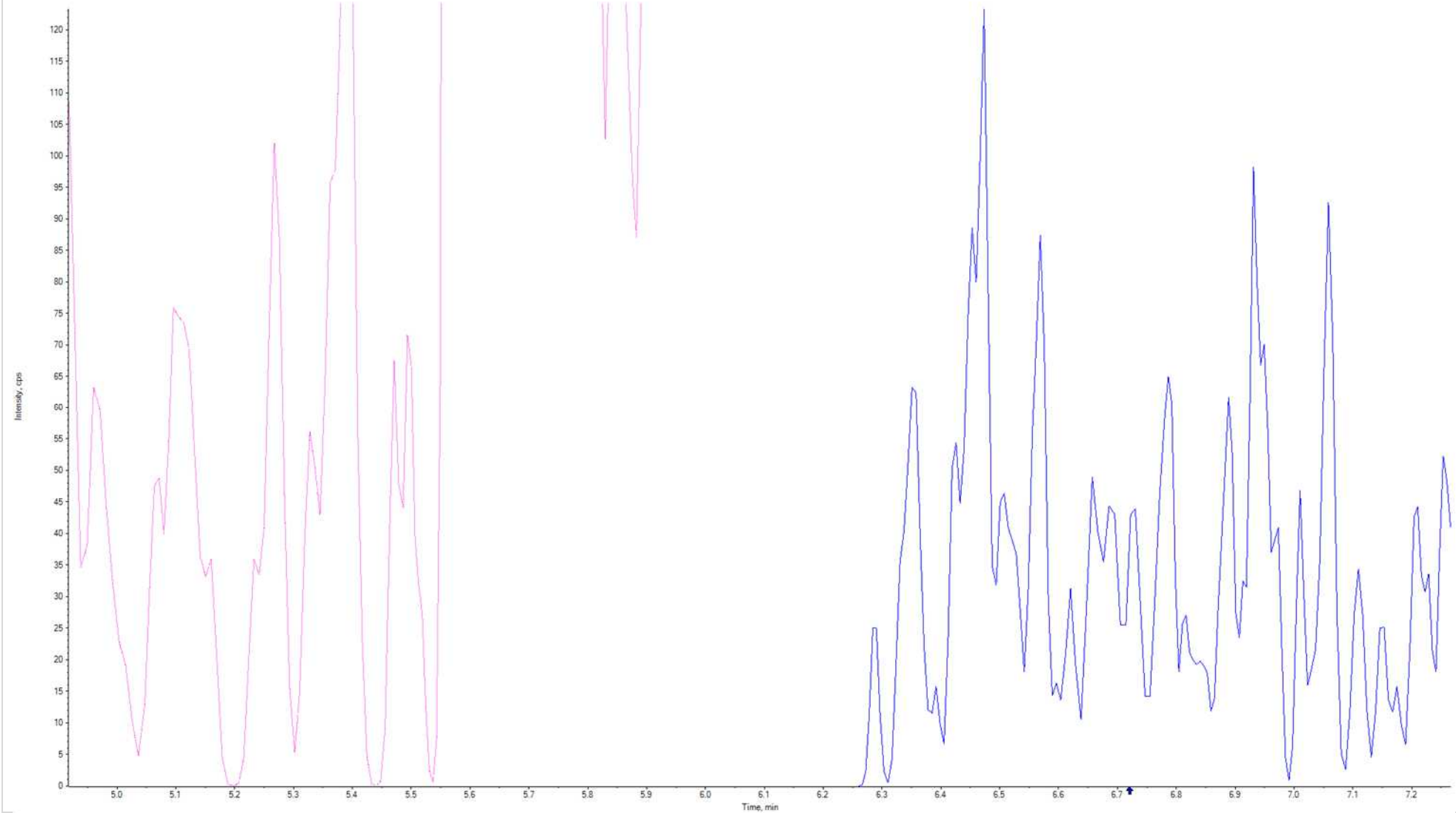

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9Cl-PF3ONS
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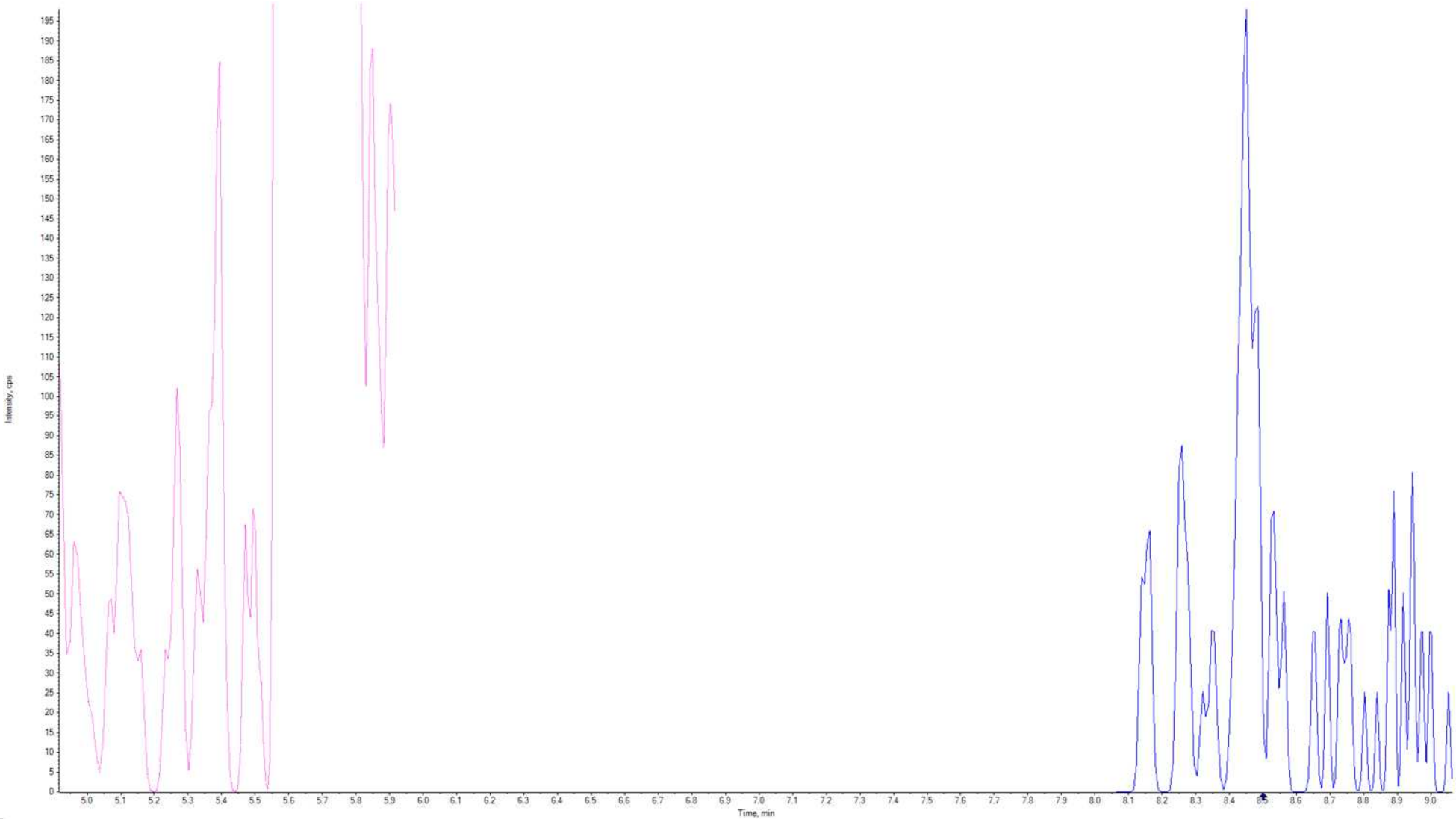

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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9Cl-PF3ONS_2
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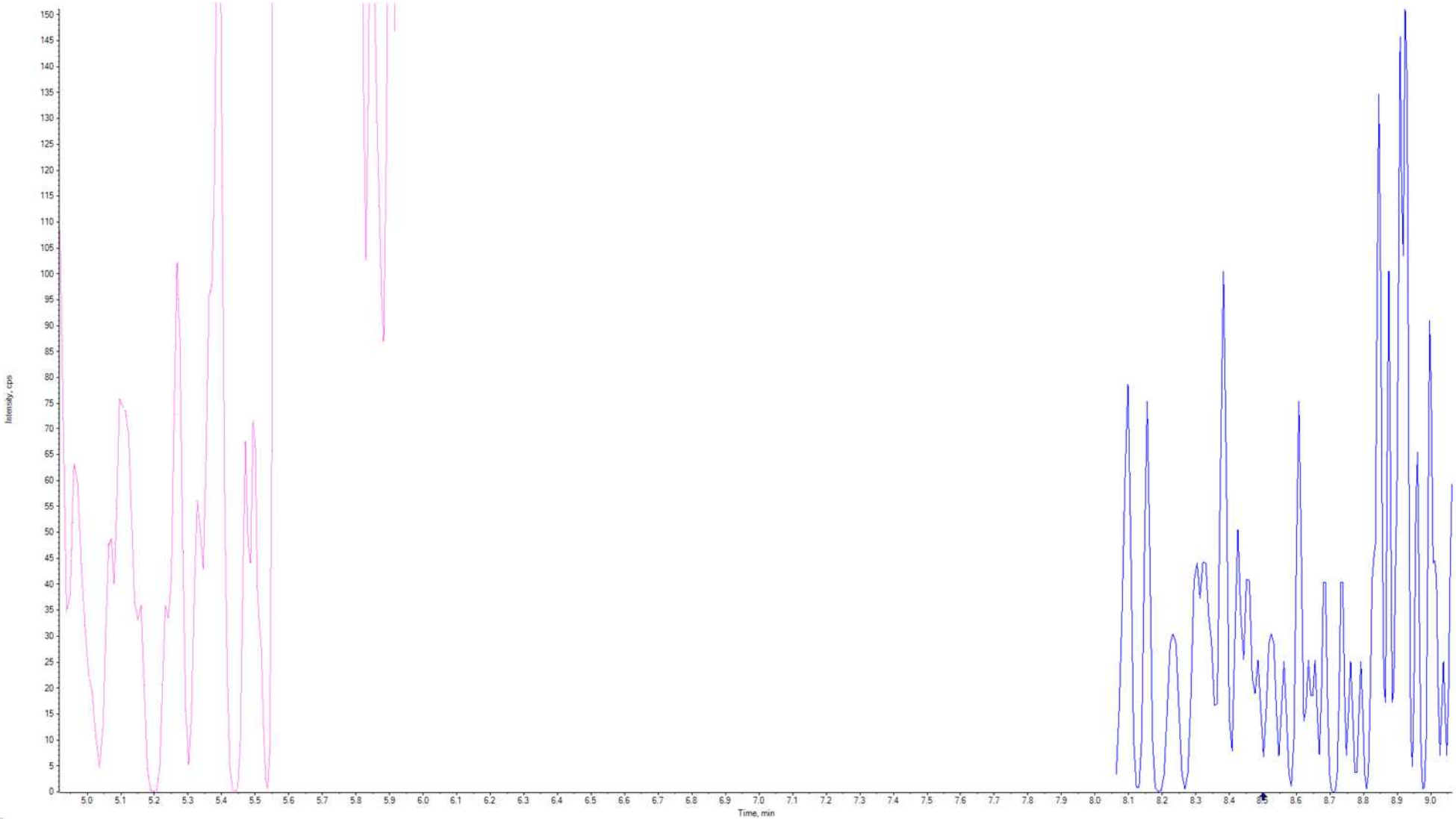

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11Cl-PF3OUdS
Sample: L2447503-11 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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11Cl-PF3OUdS_2
Sample: L2447503-11 S/N:N/A Points Across peak:N/A

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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3:3FTCA
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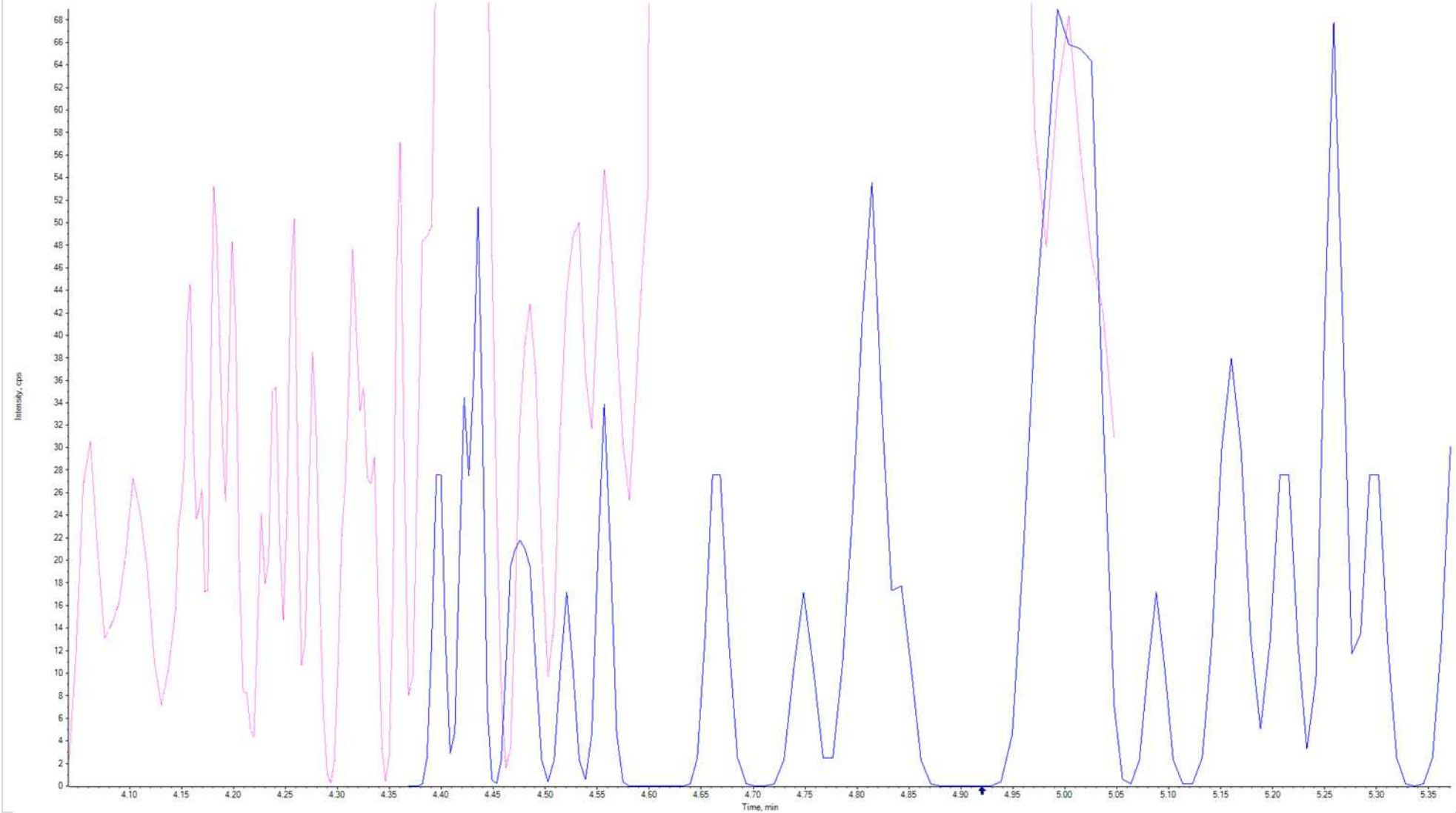

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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3:3FTCA_2
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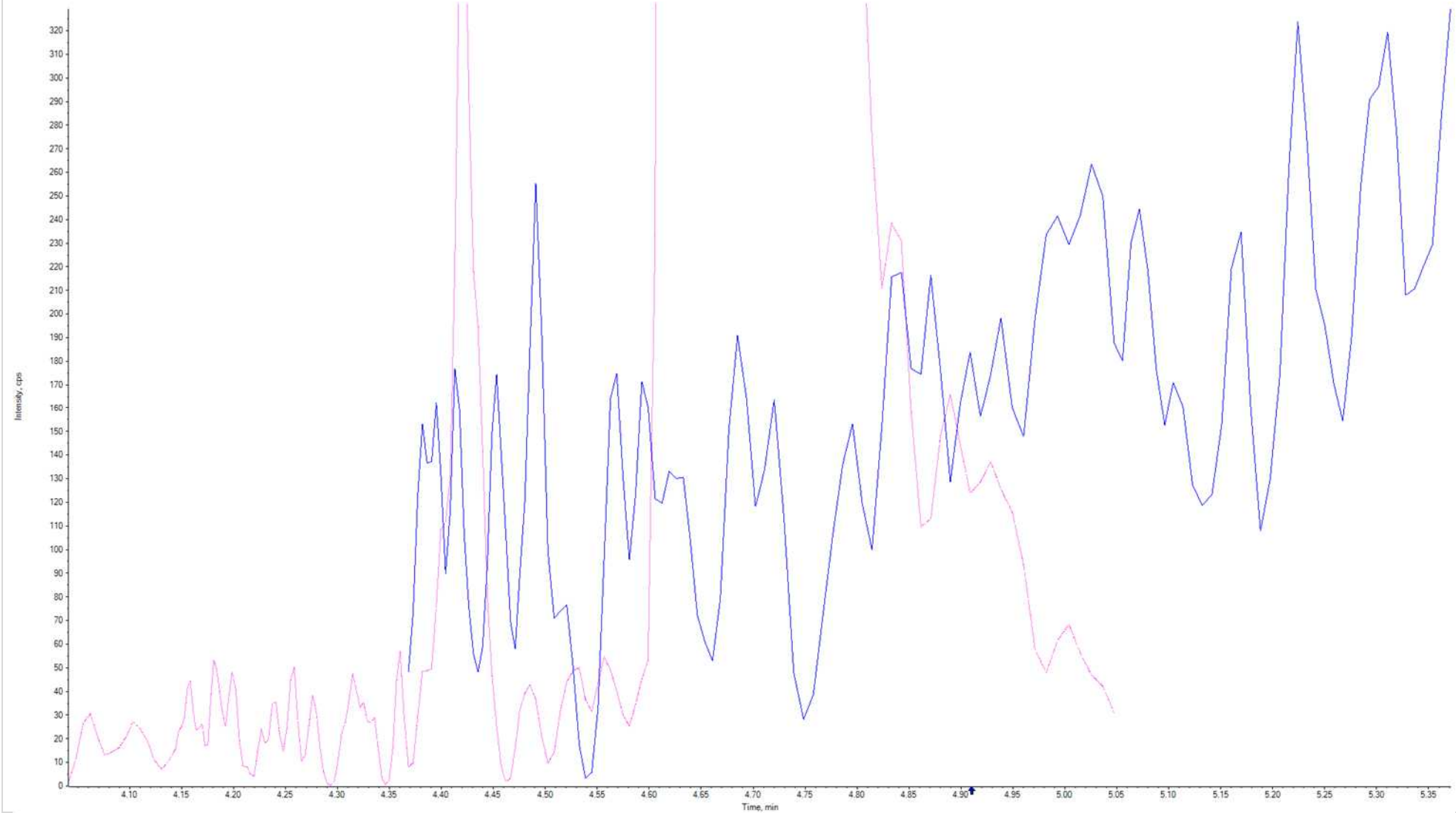

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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5:3FTCA
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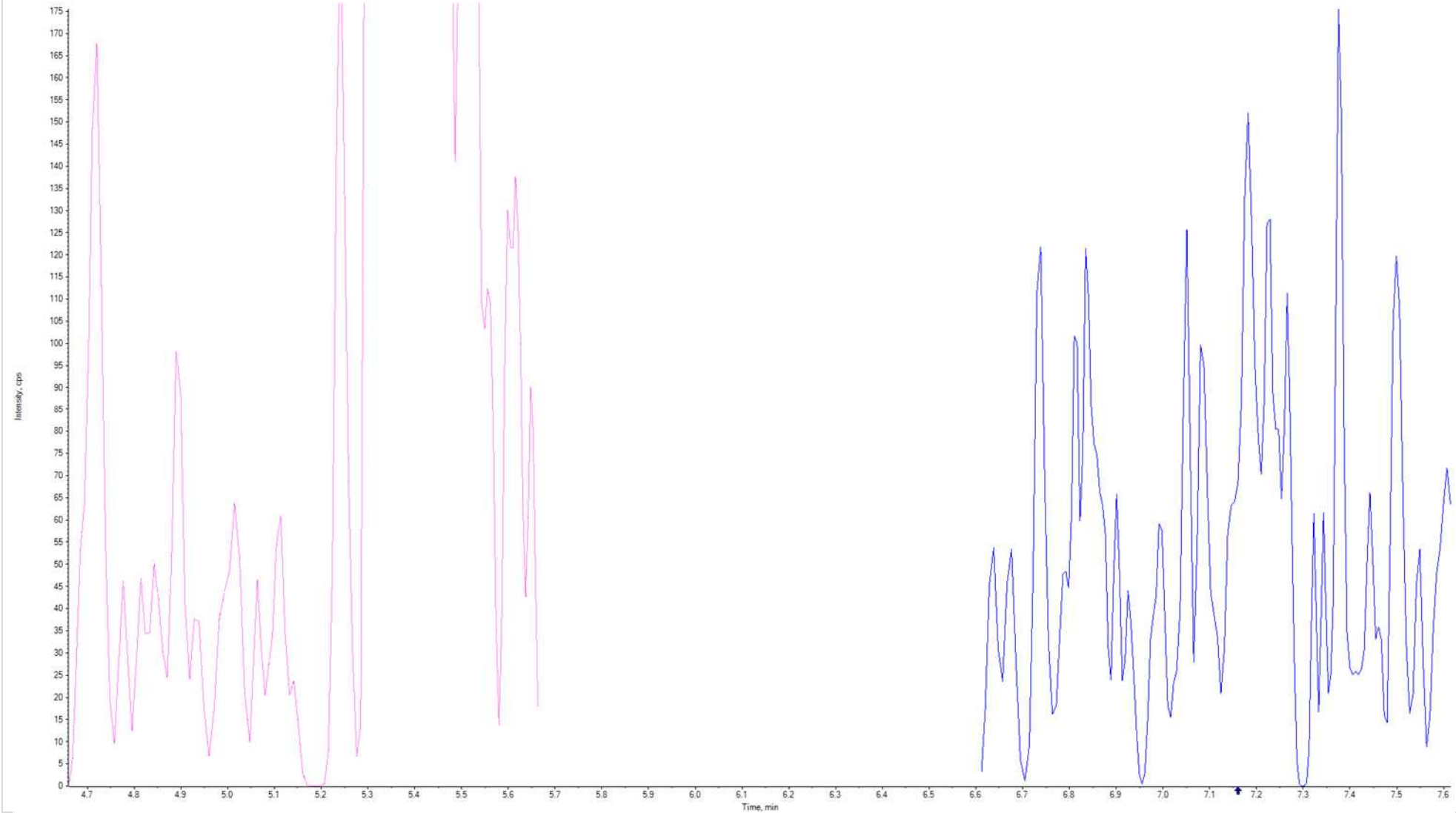

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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5:3FTCA_2
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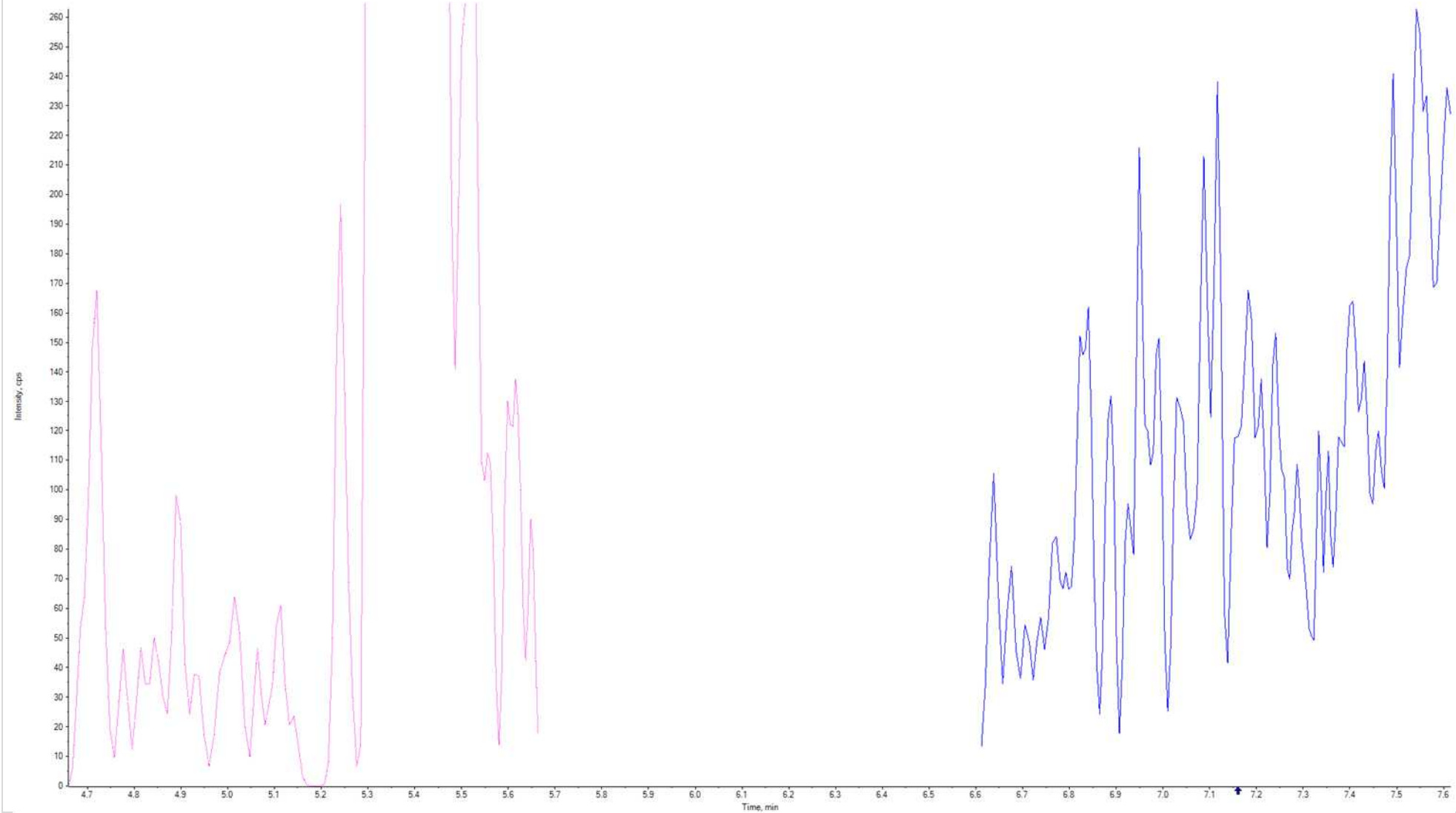

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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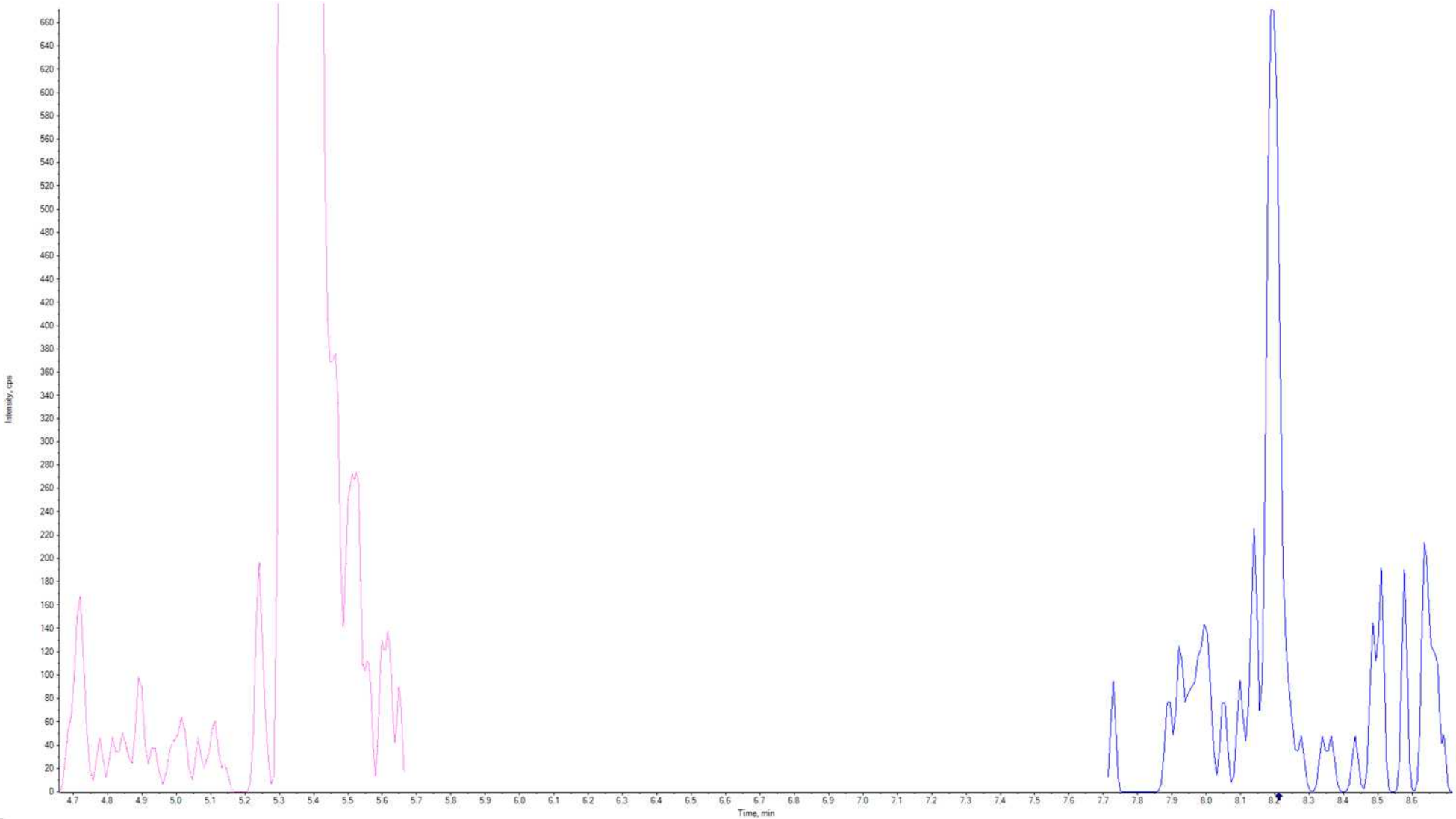

Quantify Sample Summary Report SCIEX OS Version 3.0.0.3339
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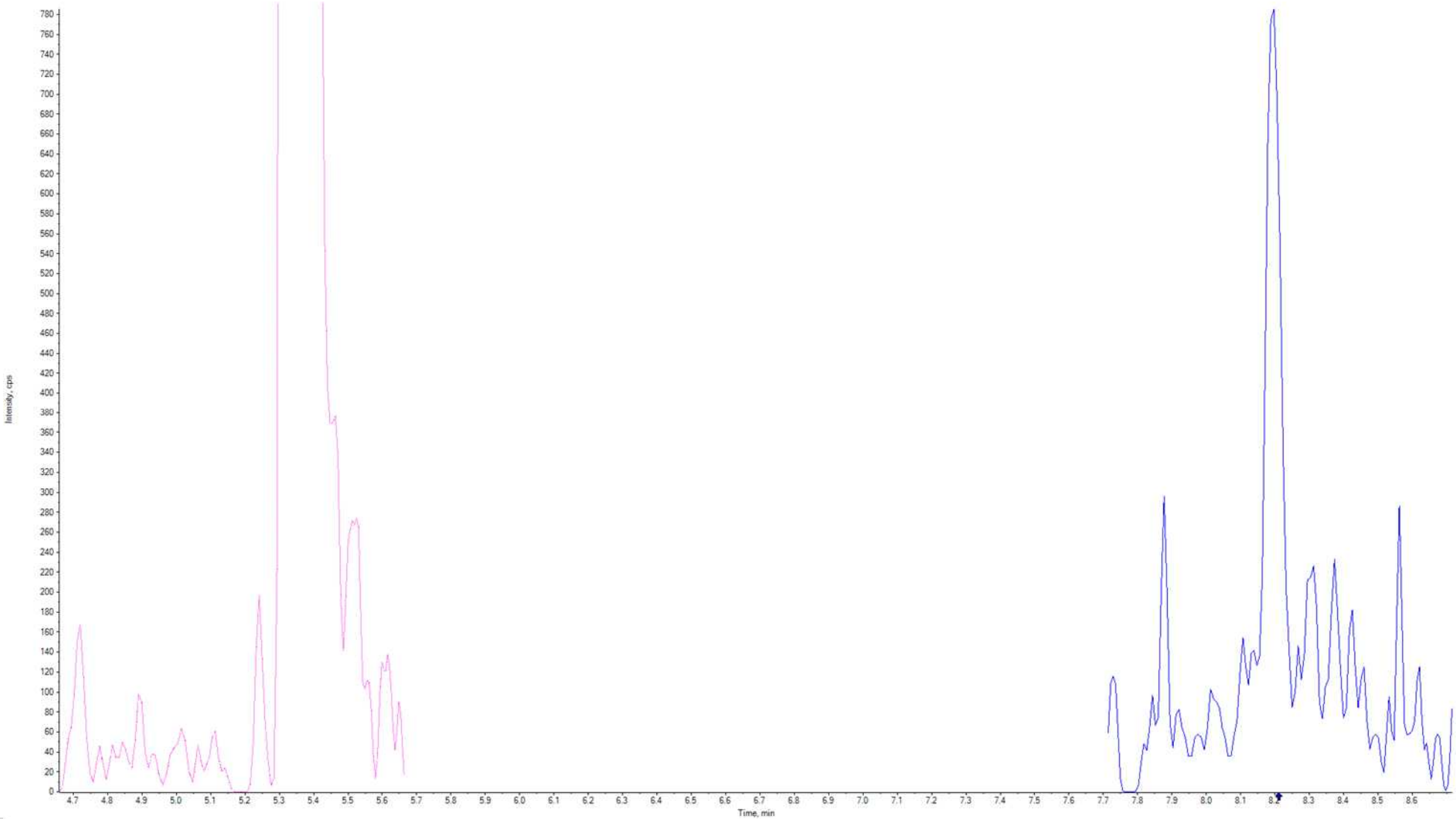
7:3FTCA_2
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



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PFEESA
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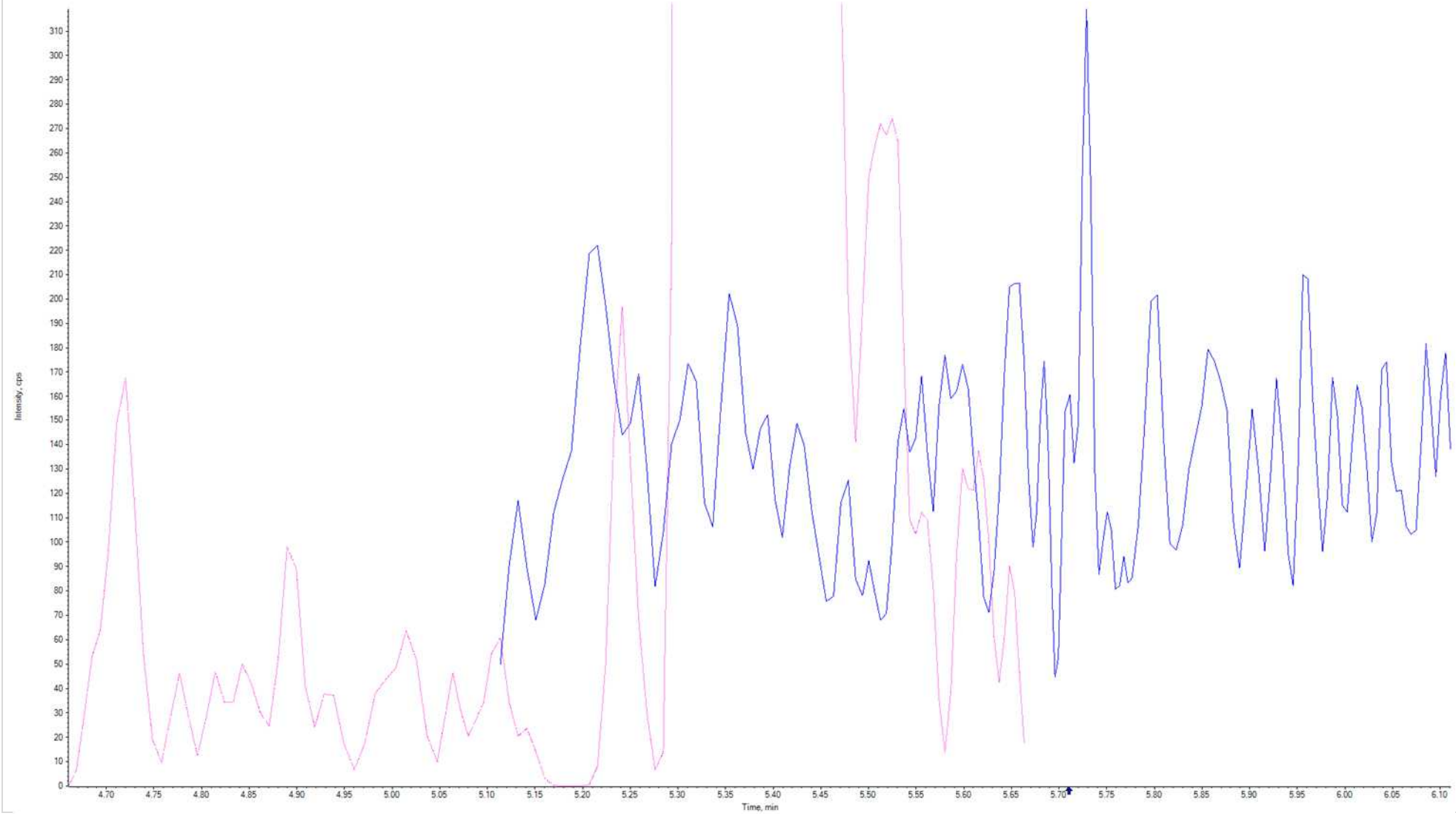

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PFEESA_2
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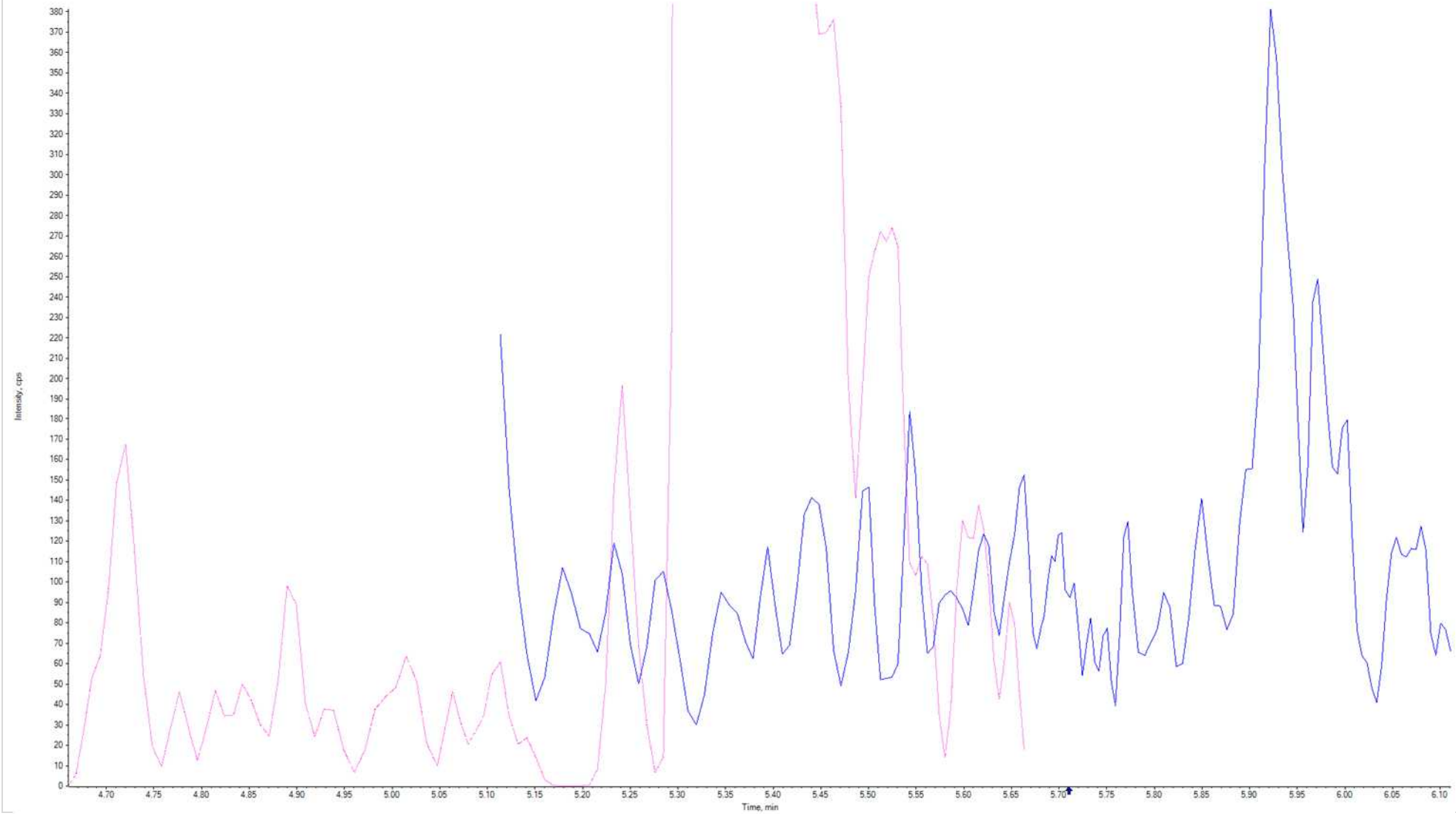

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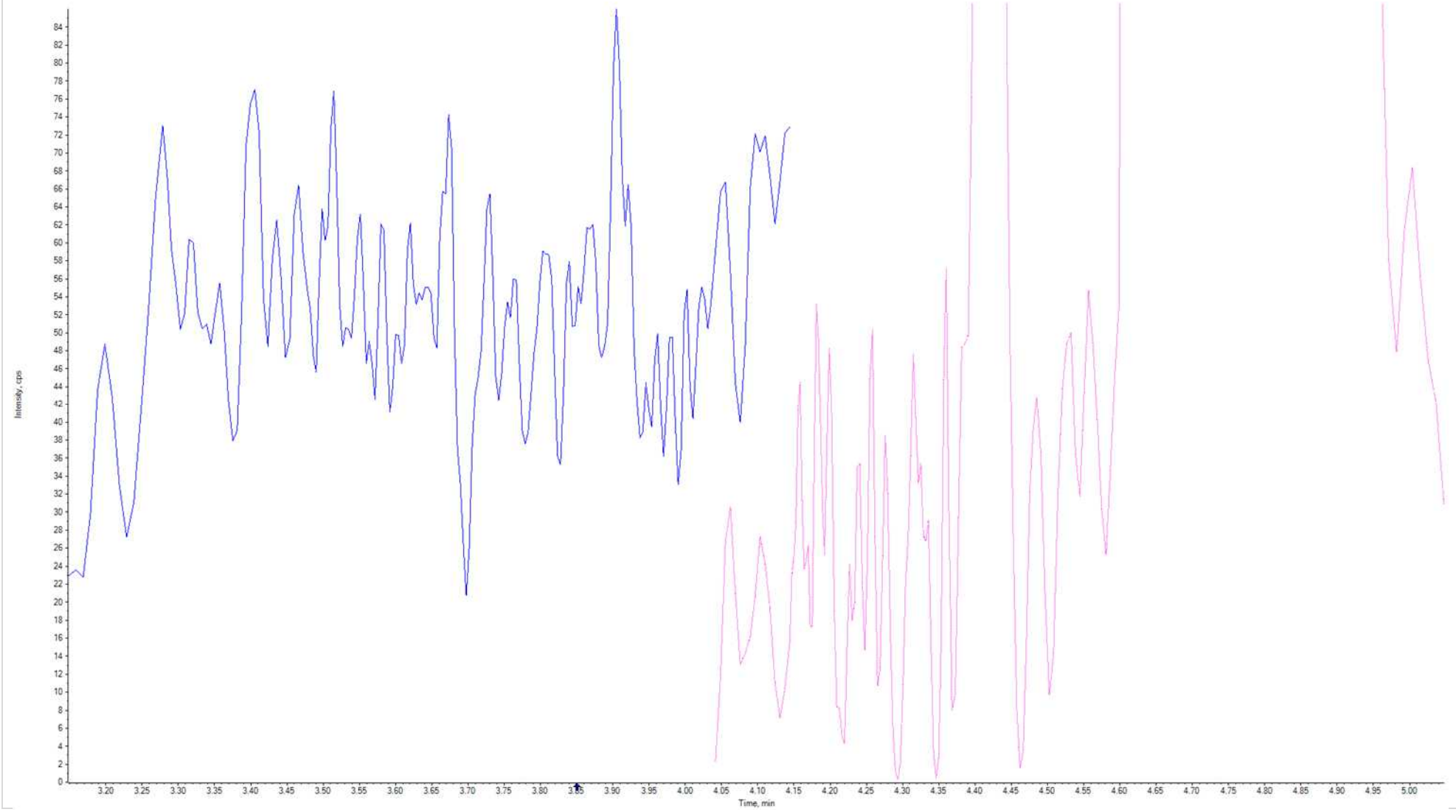

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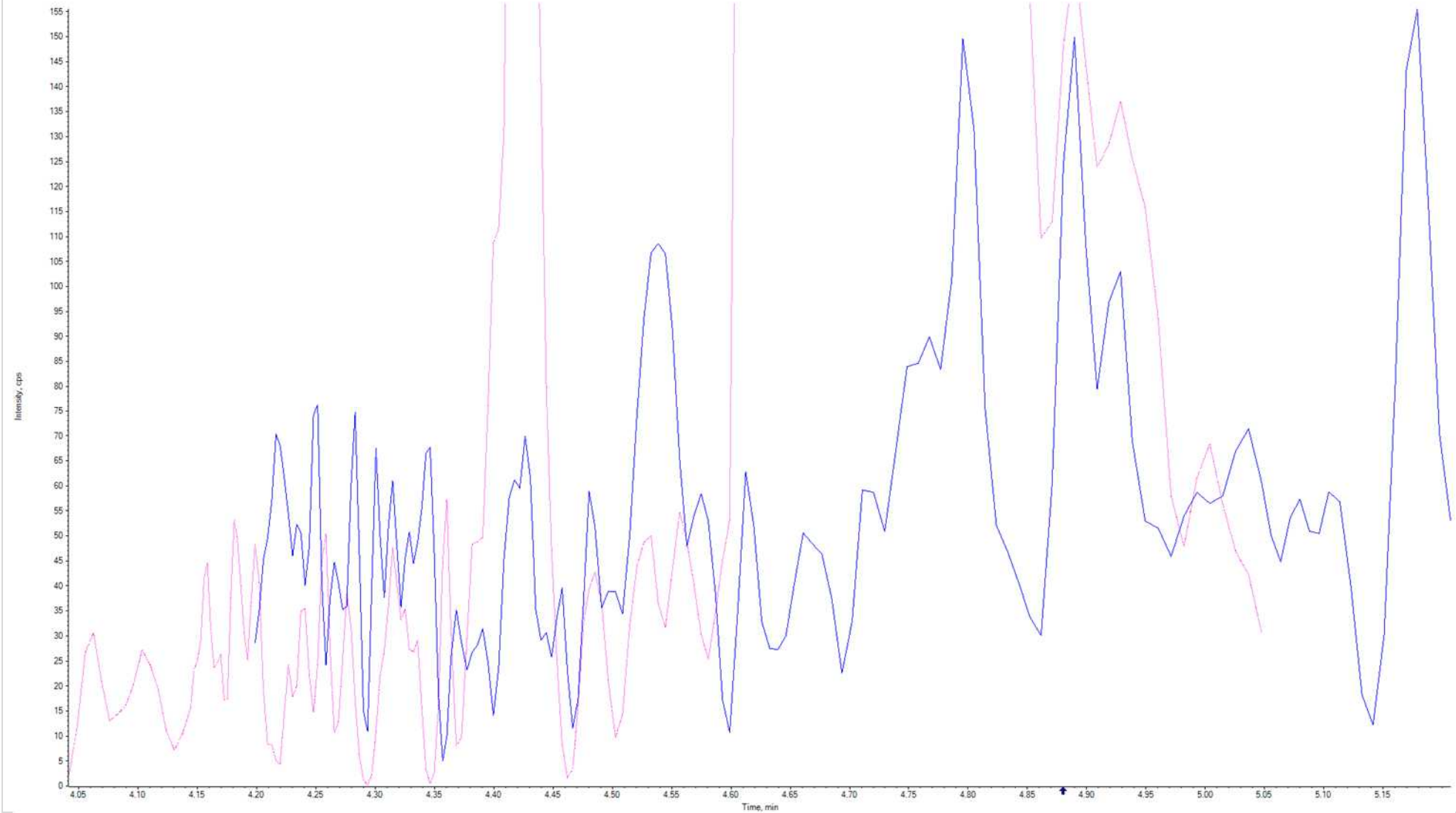

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NFDHA
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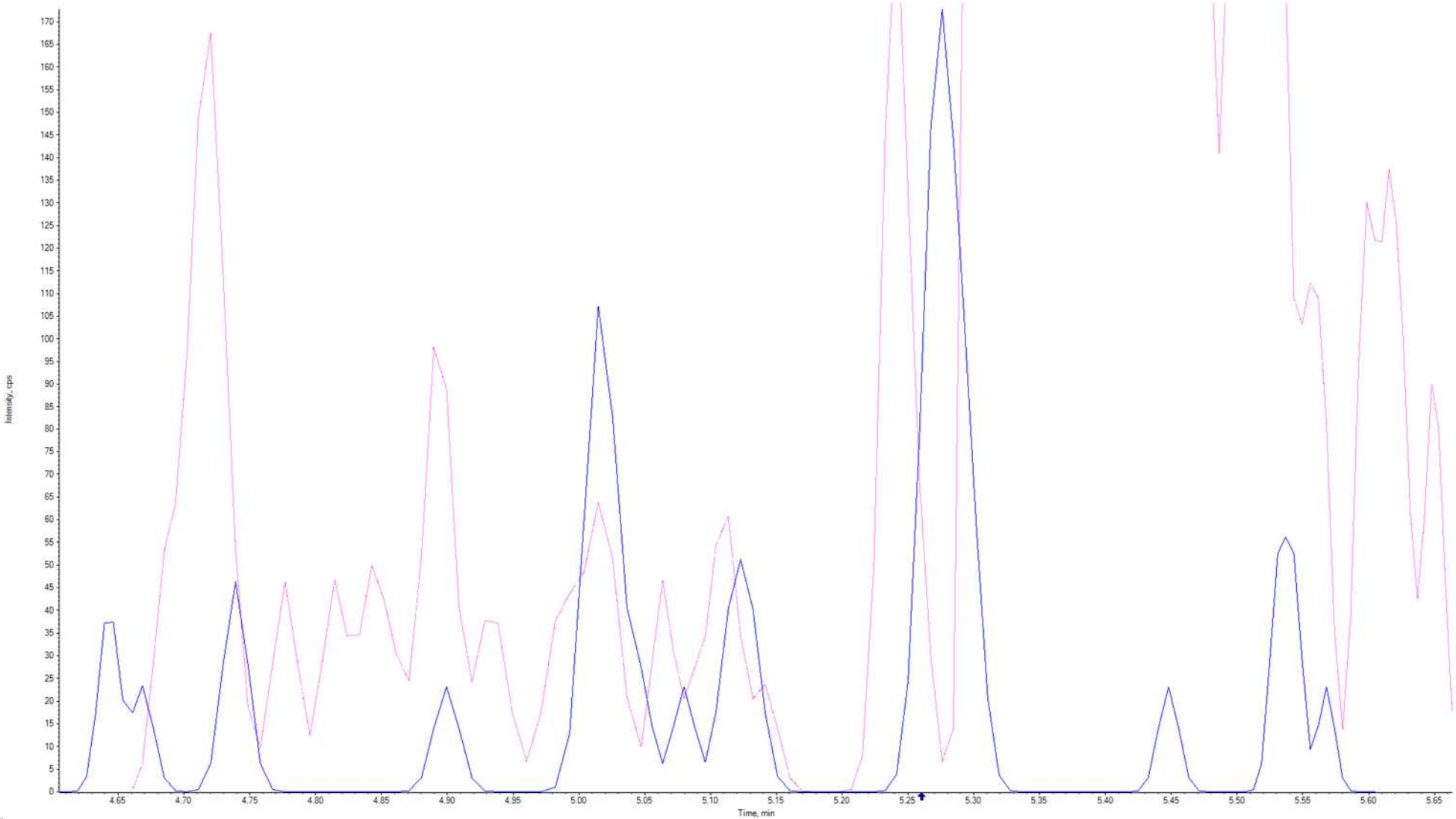
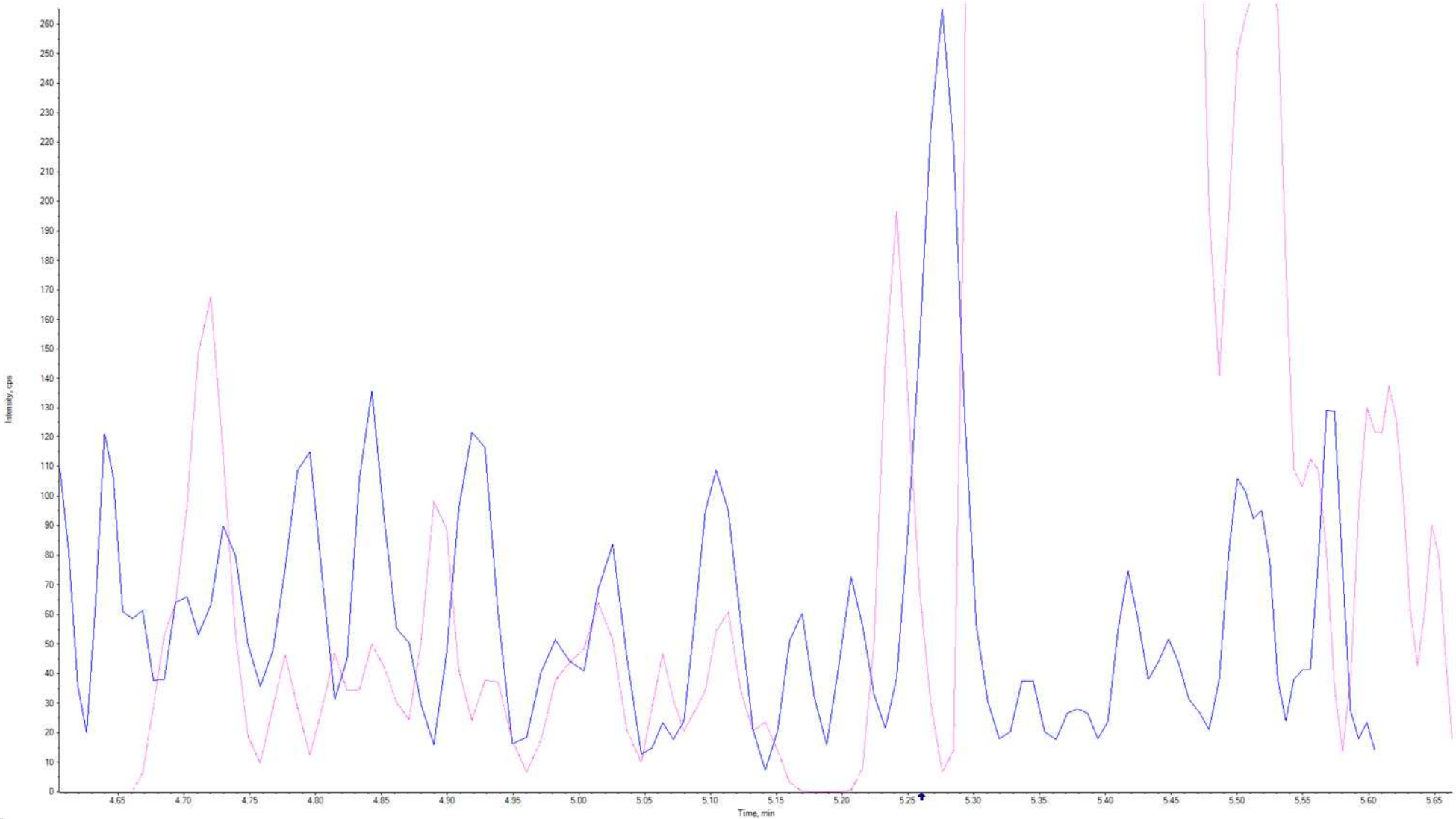


NFDHA_2
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



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TDCA
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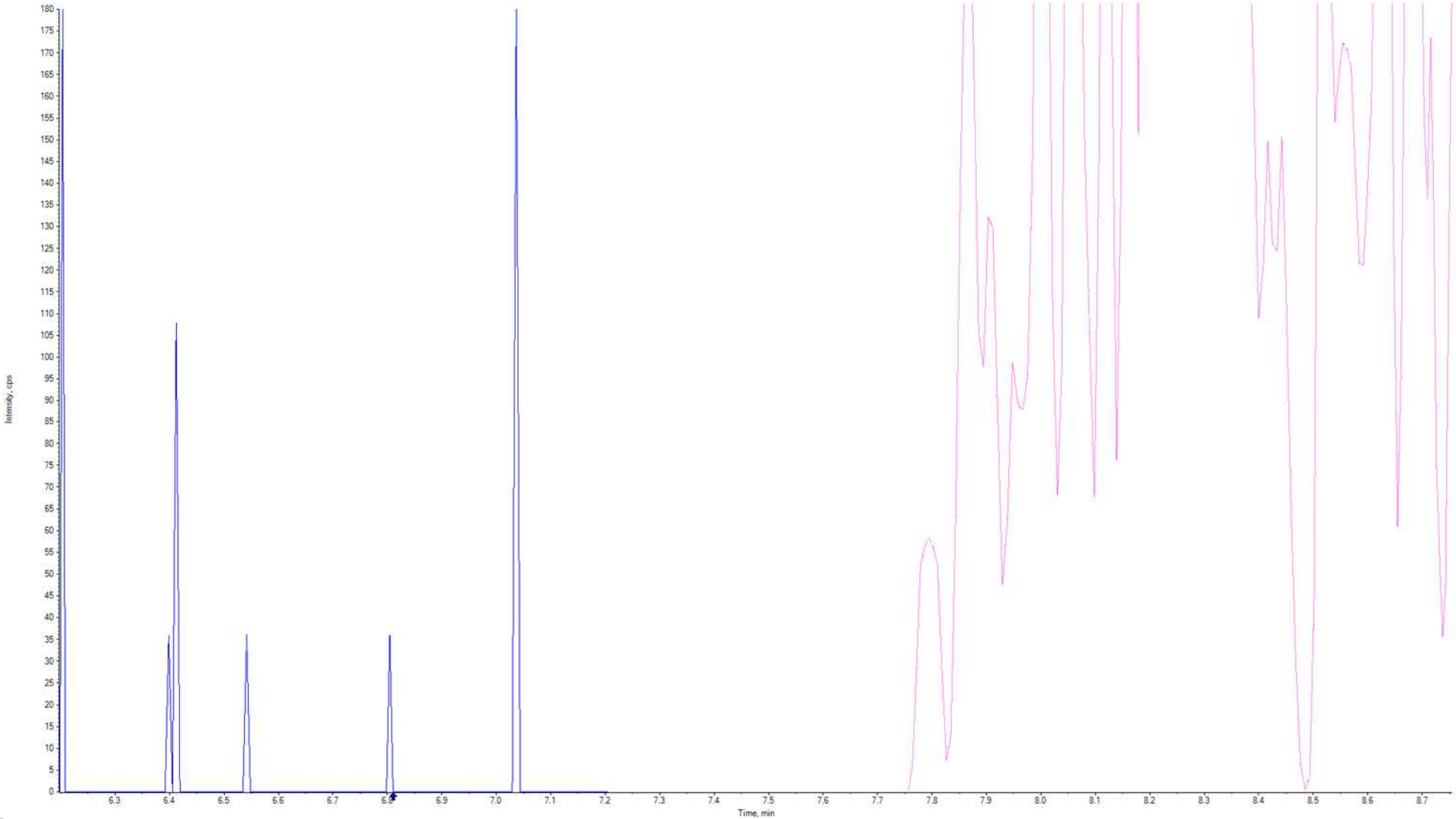

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TDCA_2
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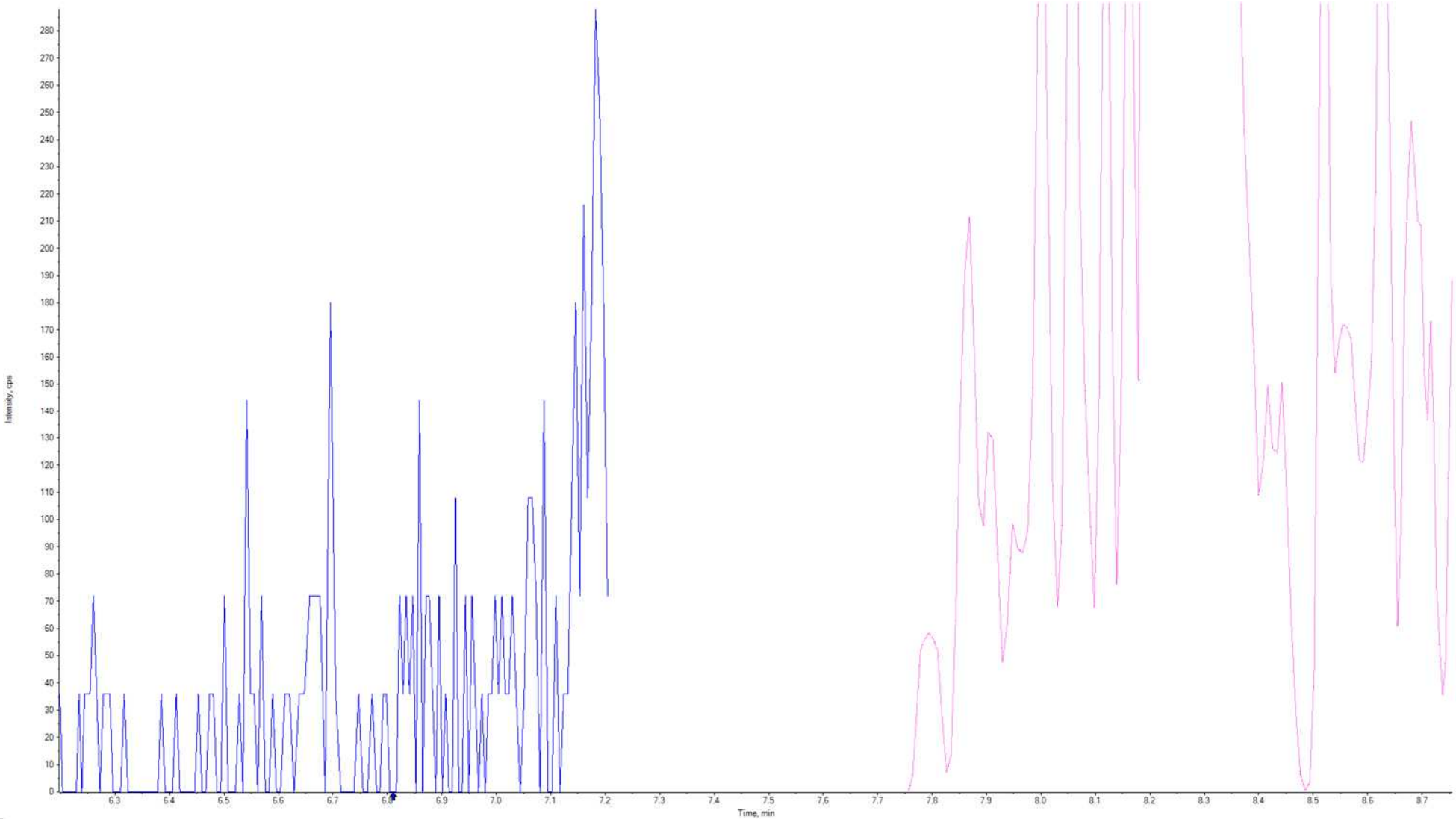

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13C2D4-4:2FTS
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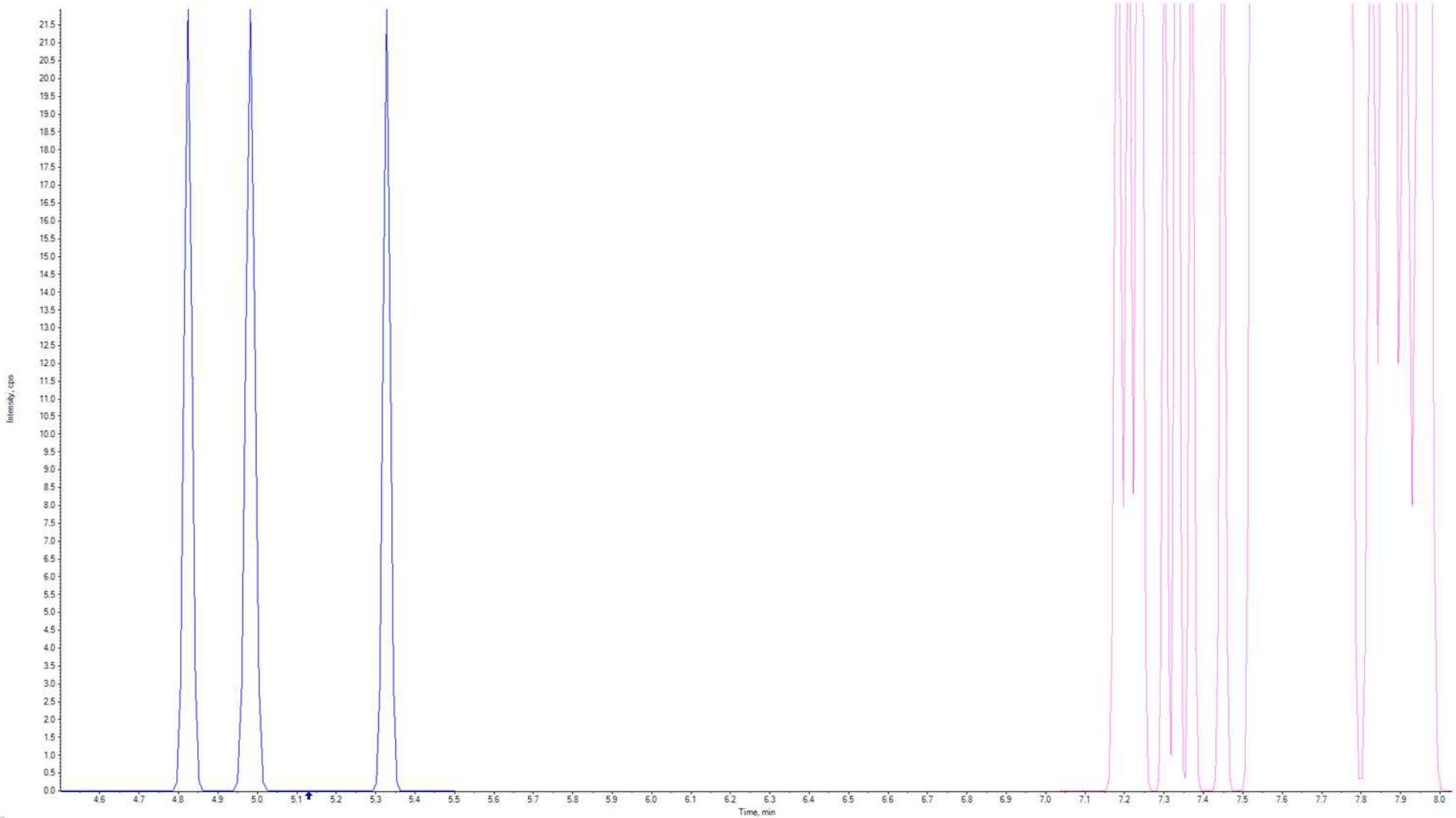

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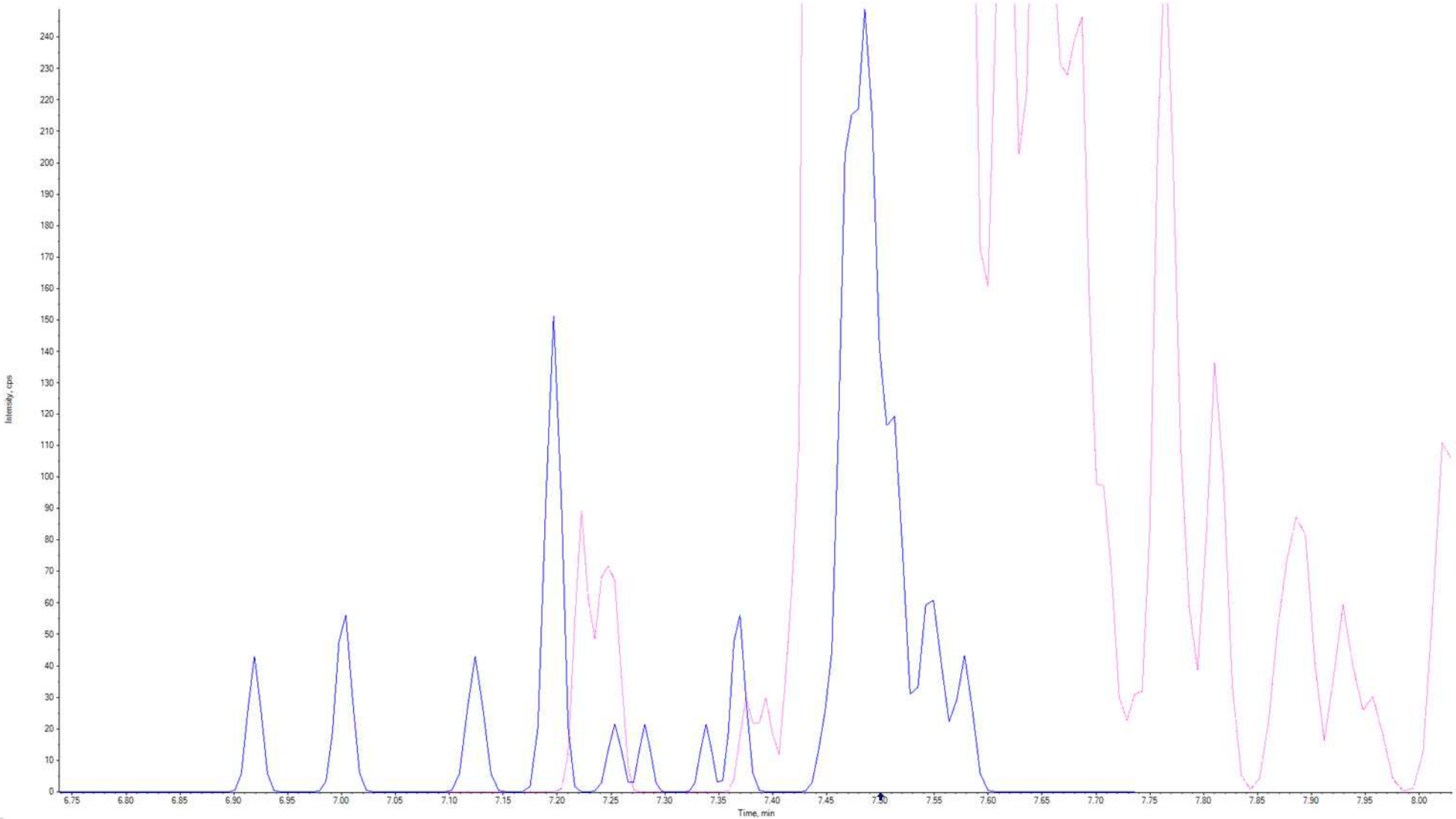
13C2-PFOA
Sample: L2447503-11 S/N:N/A Points Across peak:N/A



13C4-PFBA
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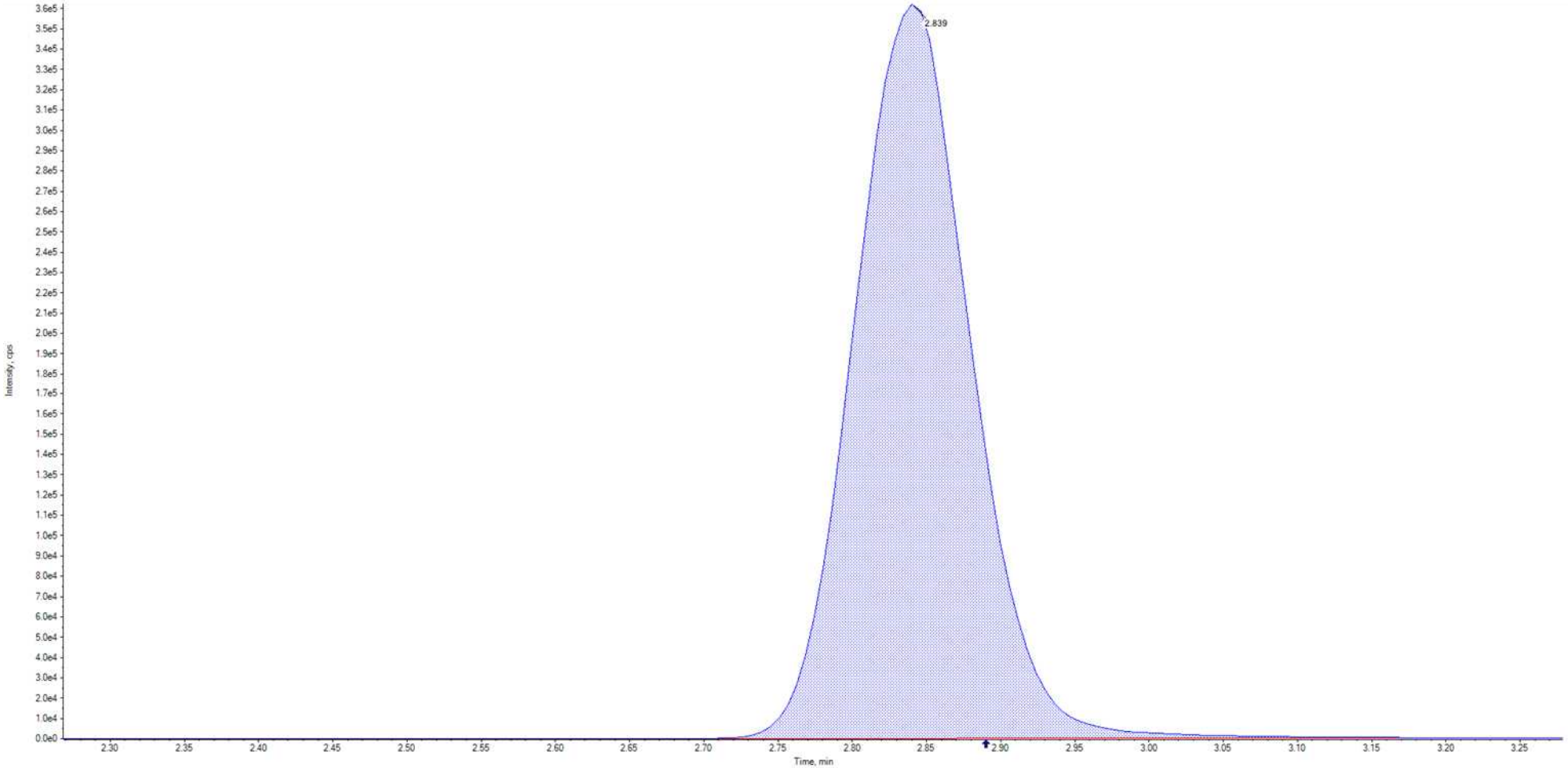

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13C5-PFPeA
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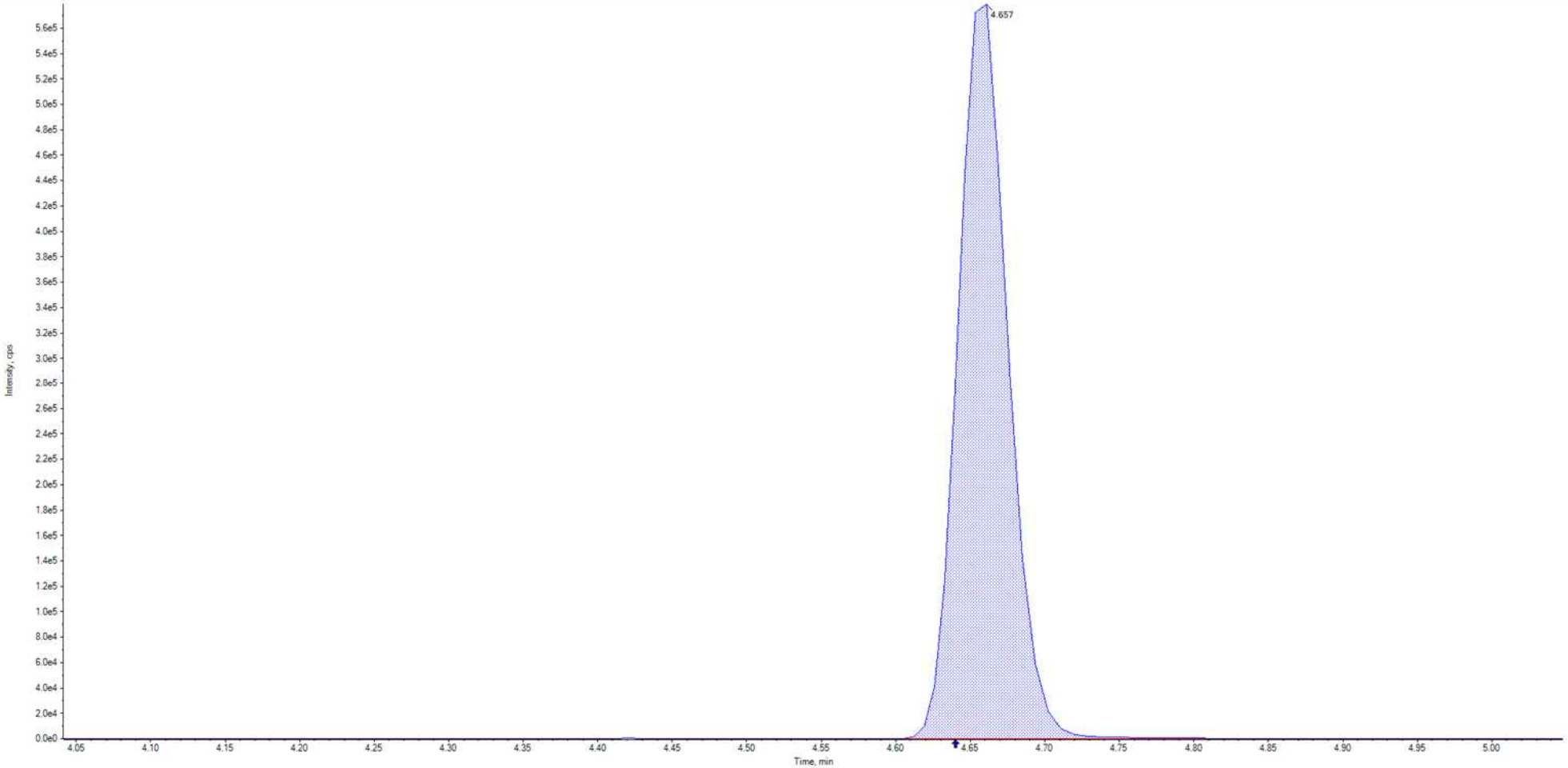

13C5-PFHxA
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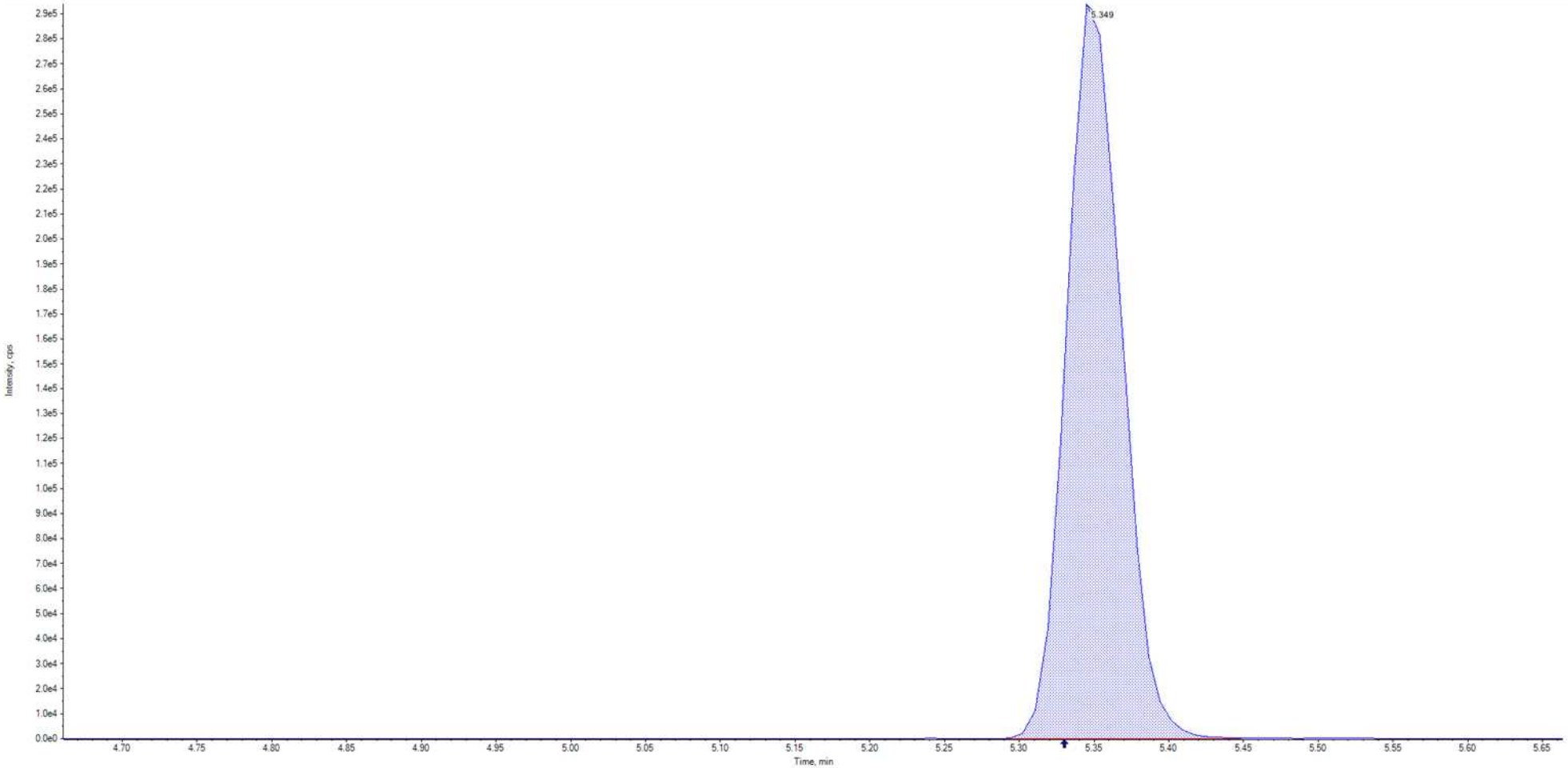

13C4-PFHpA
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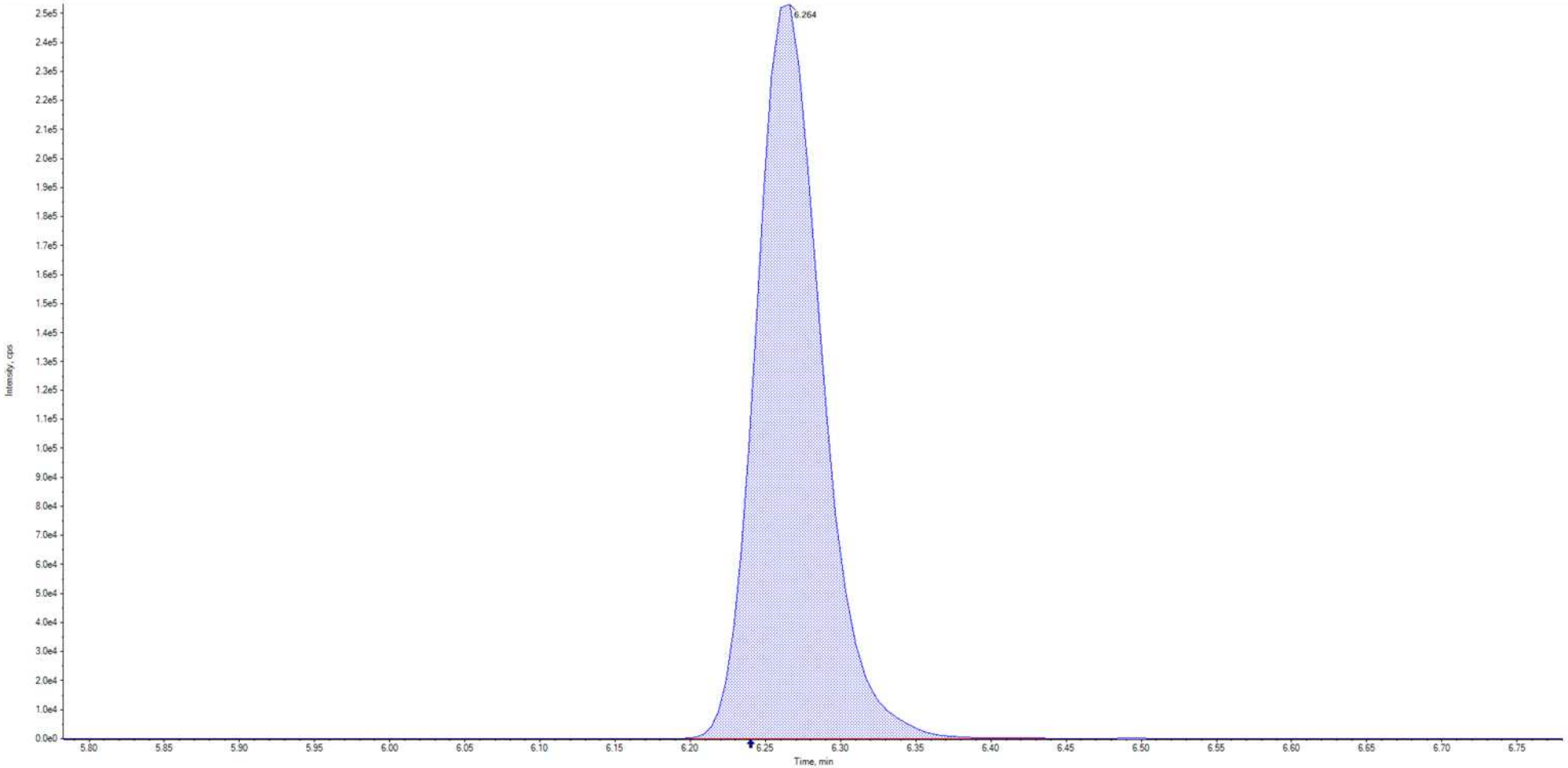

13C8-PFOA
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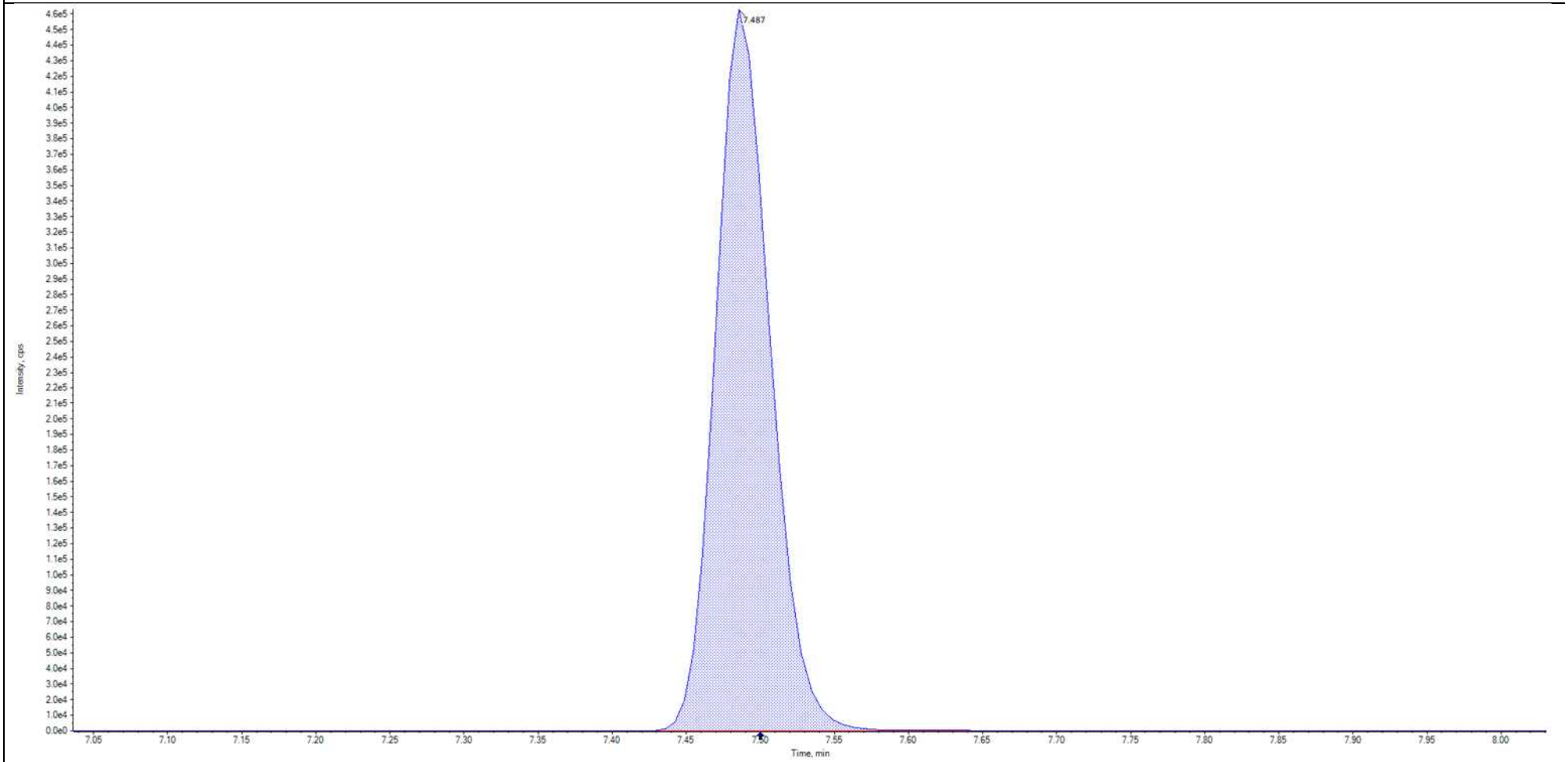

13C9-PFNA
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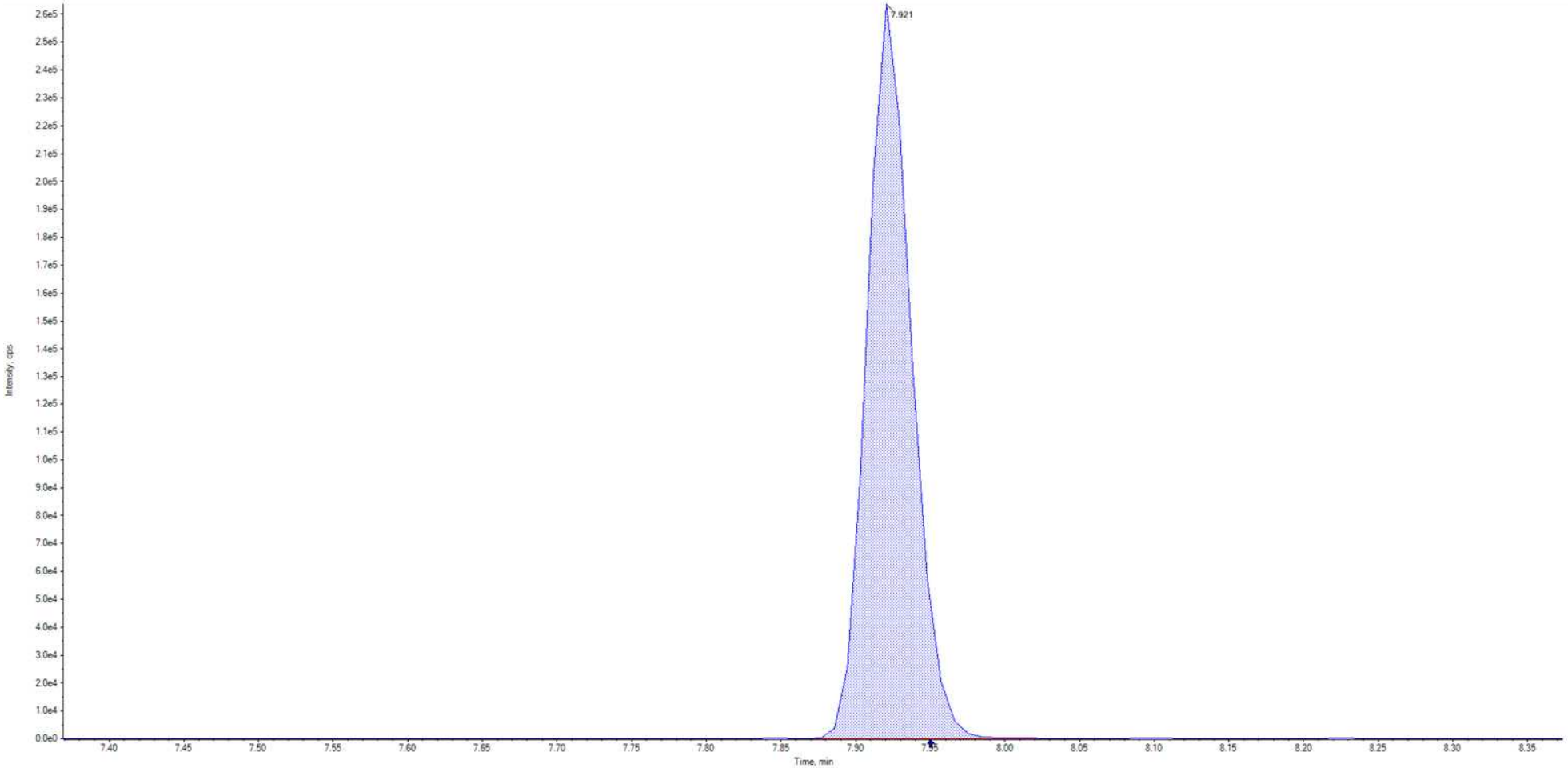

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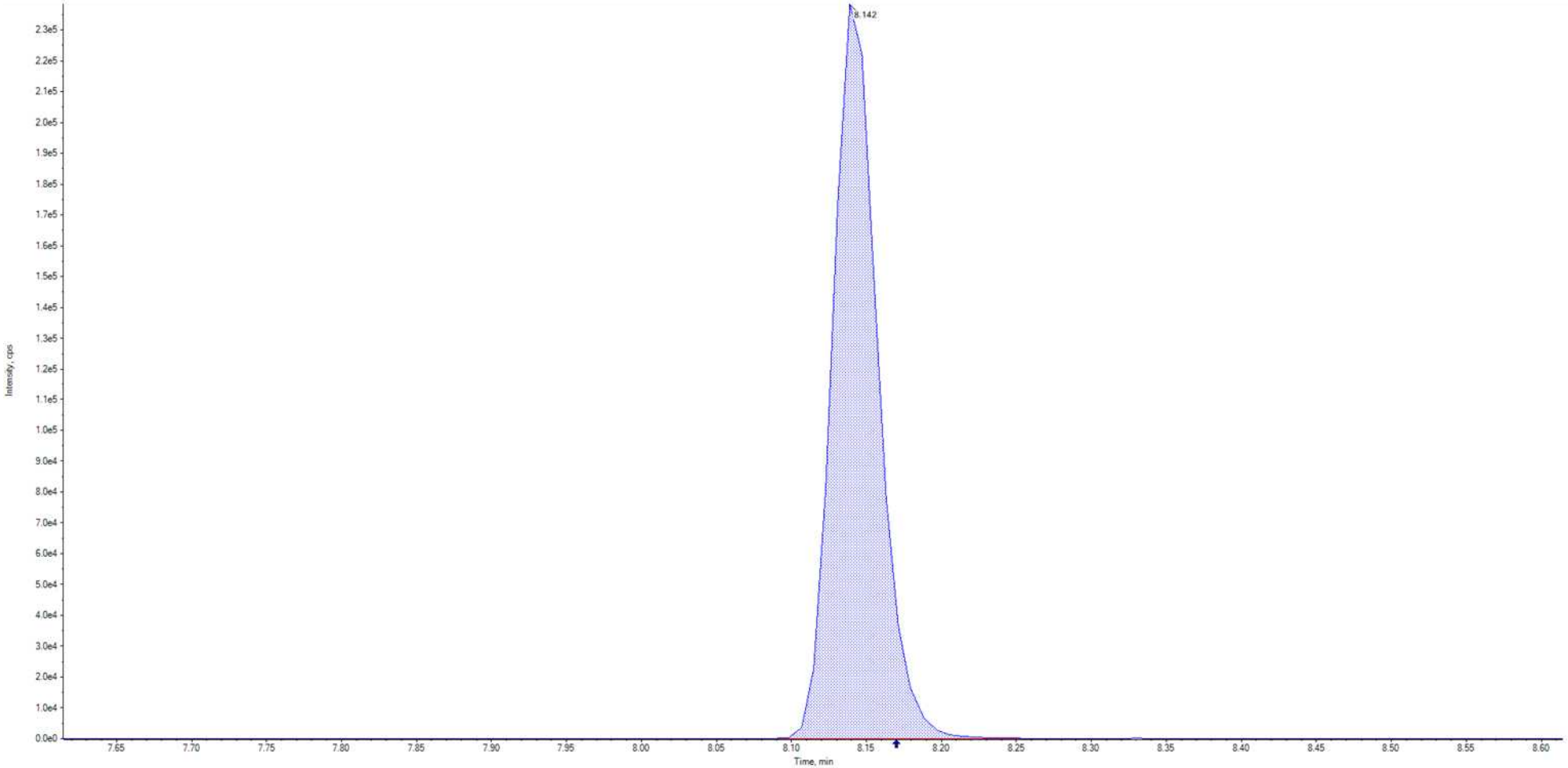

13C7-PFUnA
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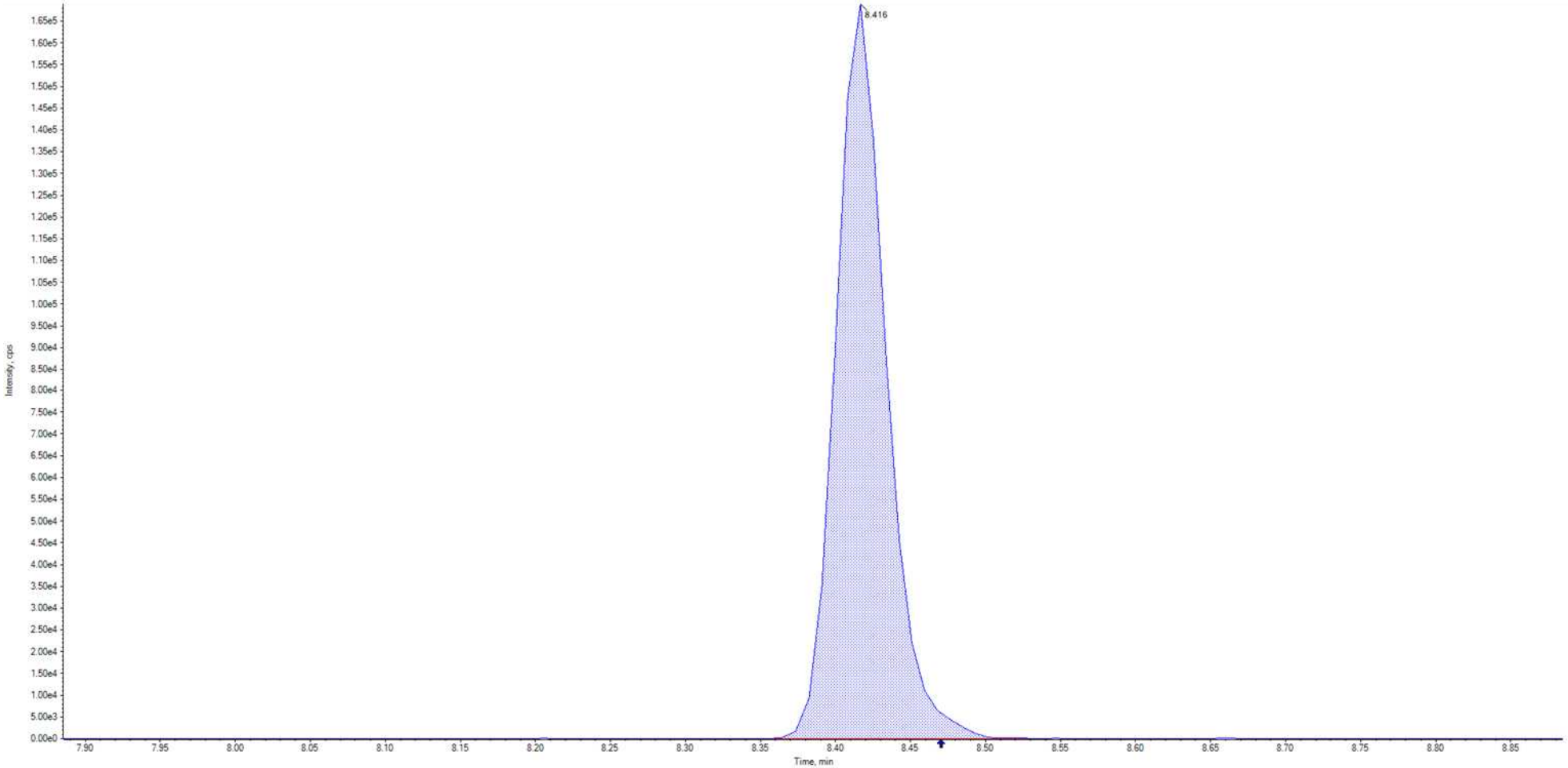

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13C2-PFDoA
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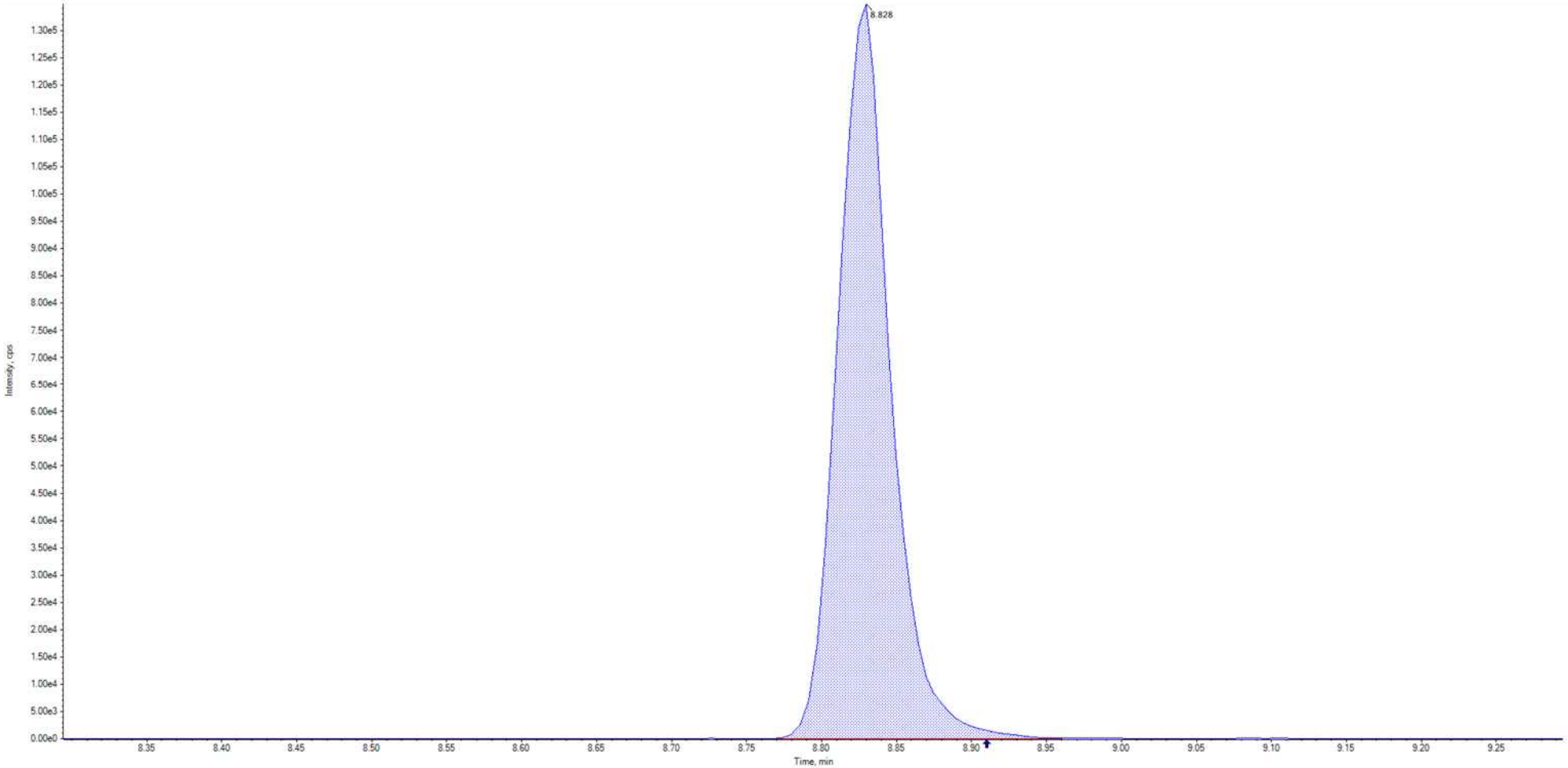

13C2-PFTeDA
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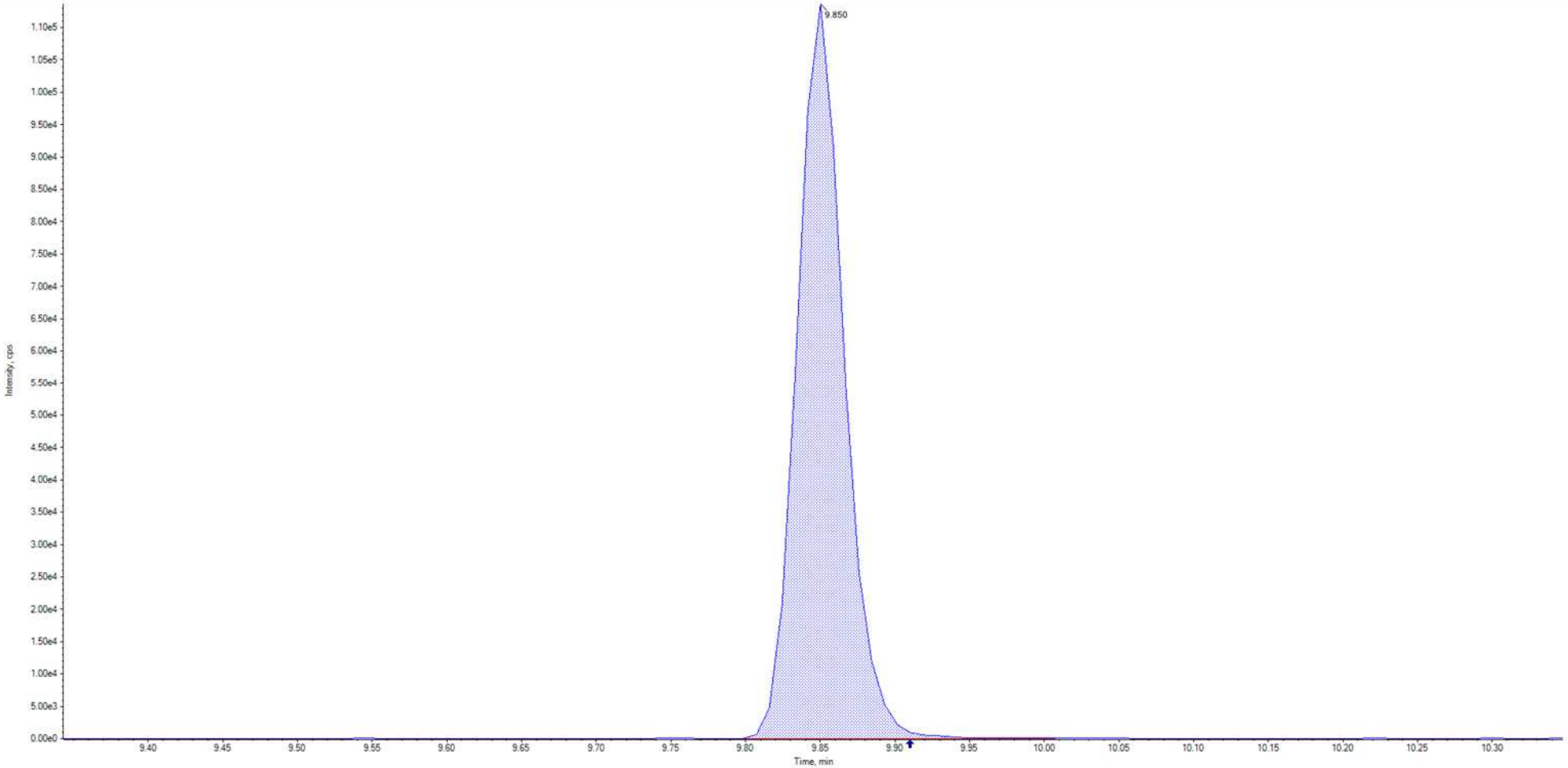
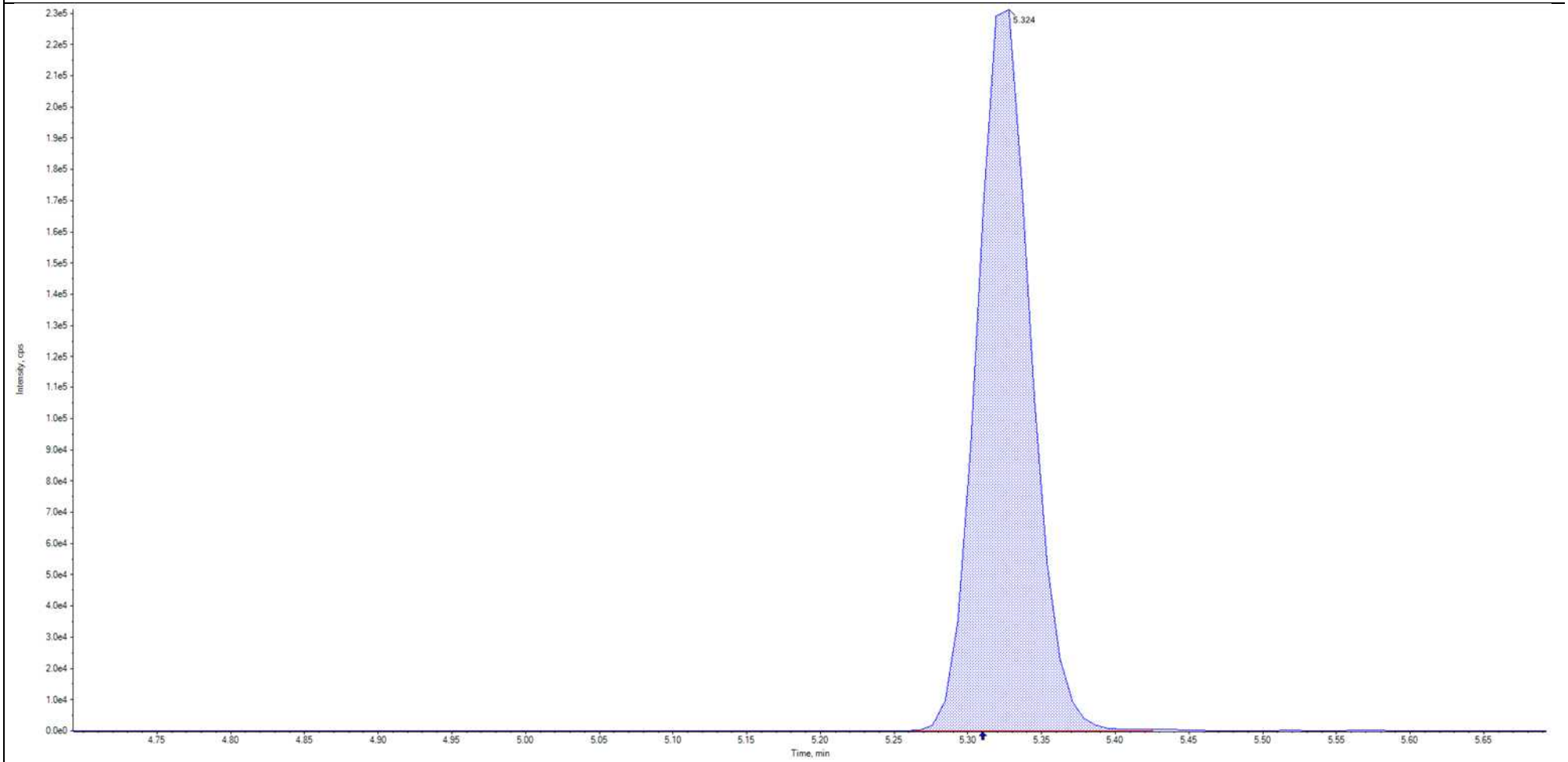


13C3-PFBS
Sample: L2447503-11



13C3-PFHxS
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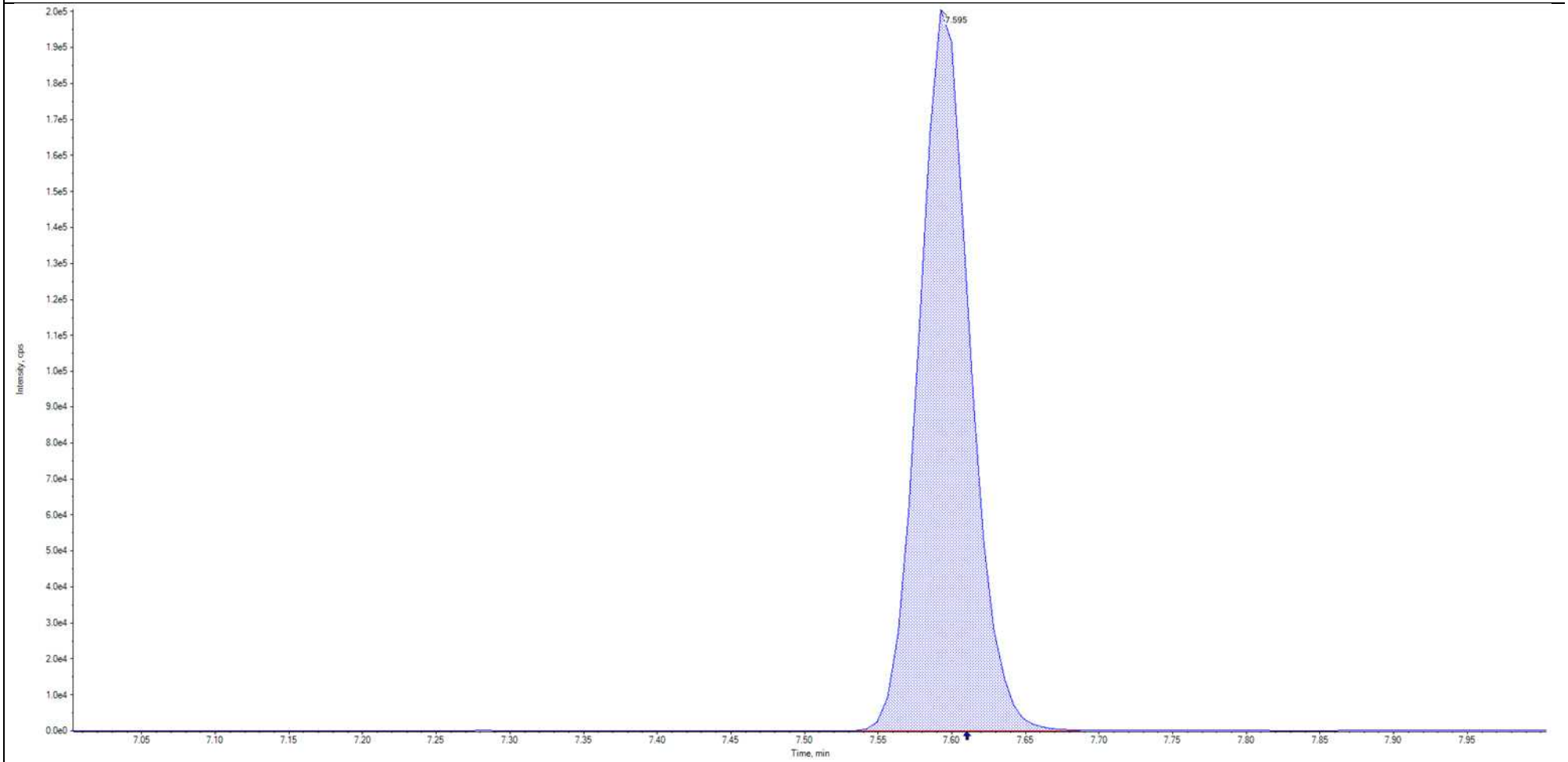
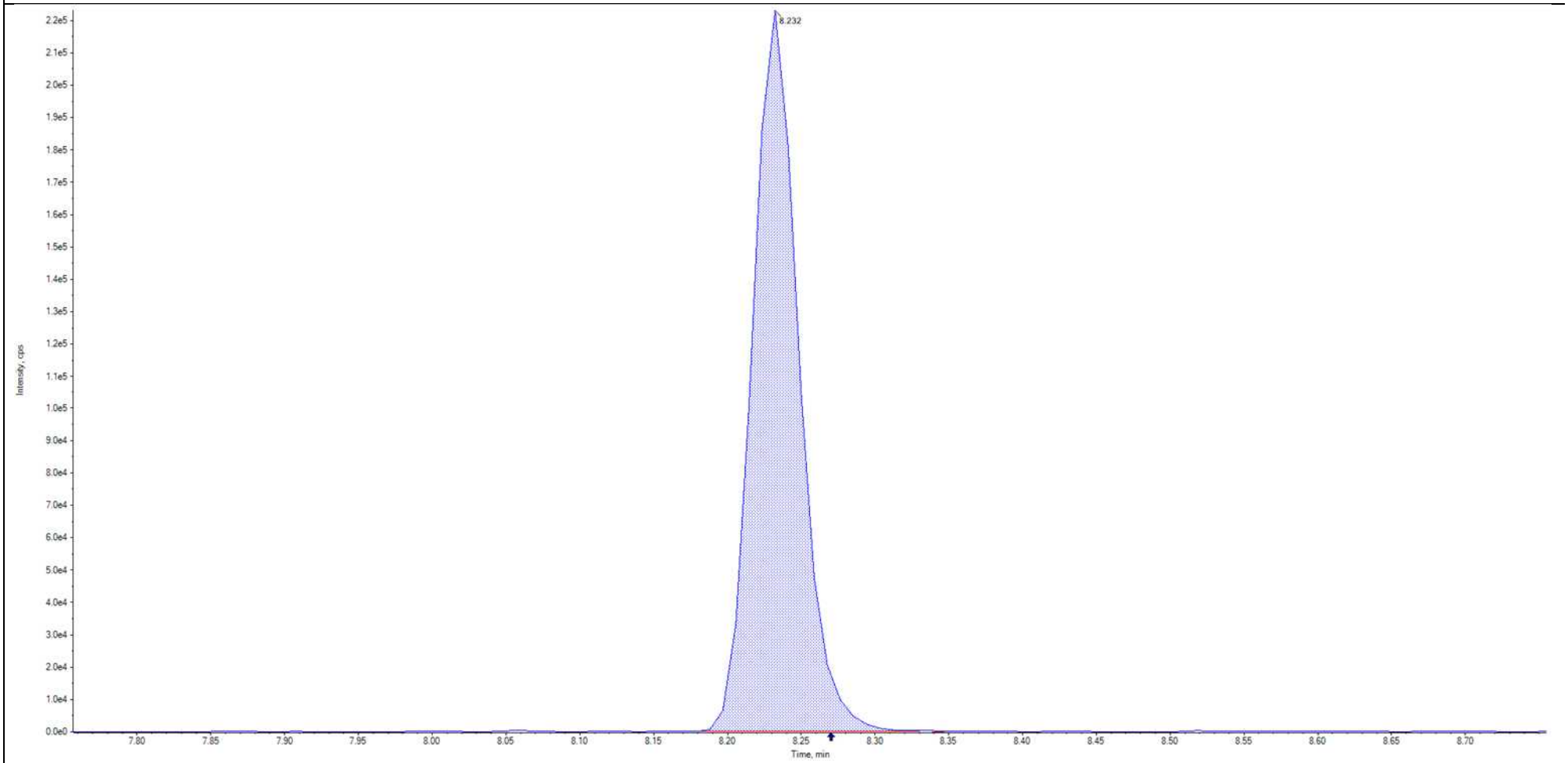
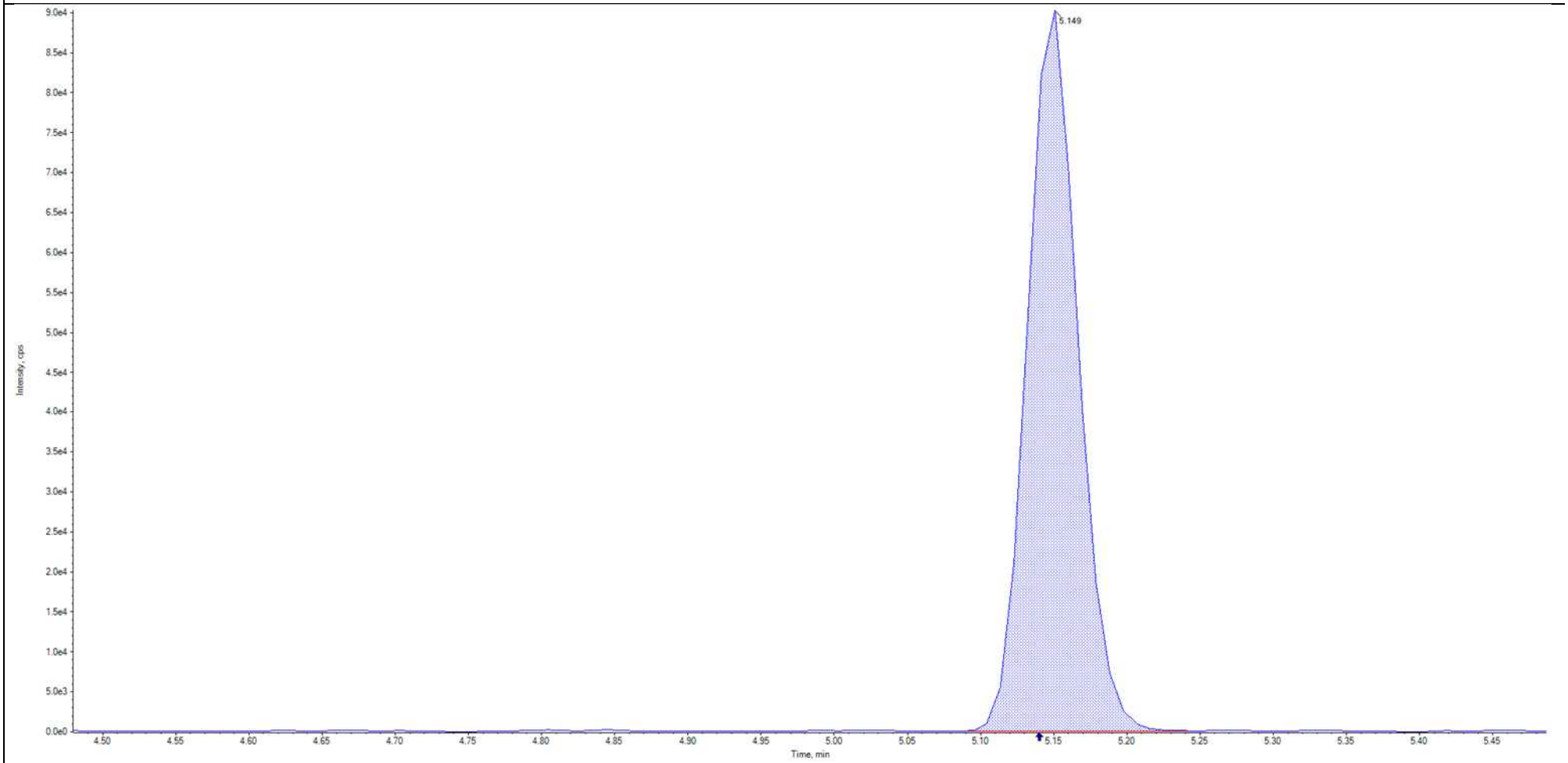


13C8-PFOS
Sample: L2447503-11



13C2-4:2FTS
Sample: L2447503-11



13C2-6:2FTS
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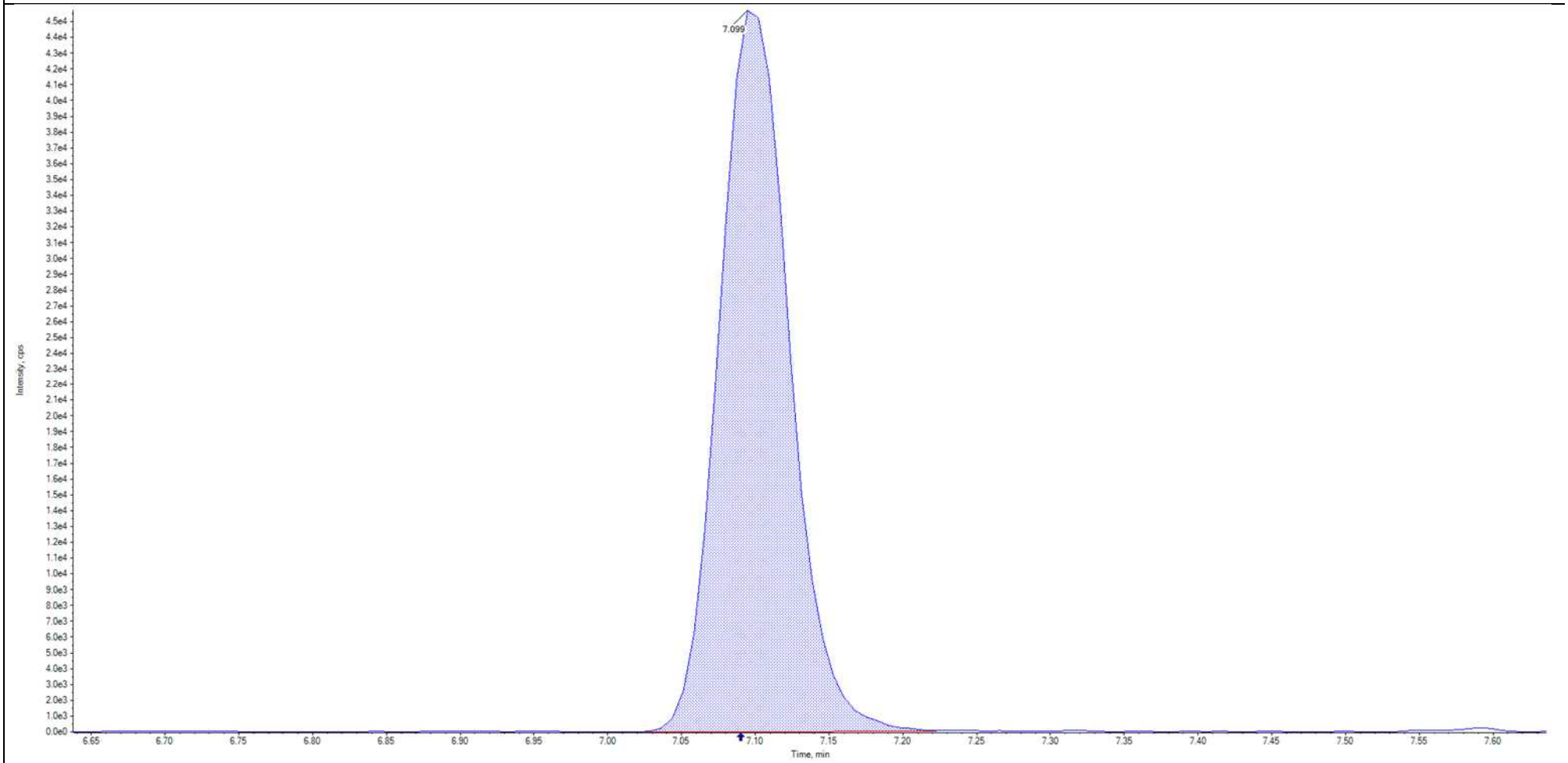

13C2-8:2FTS
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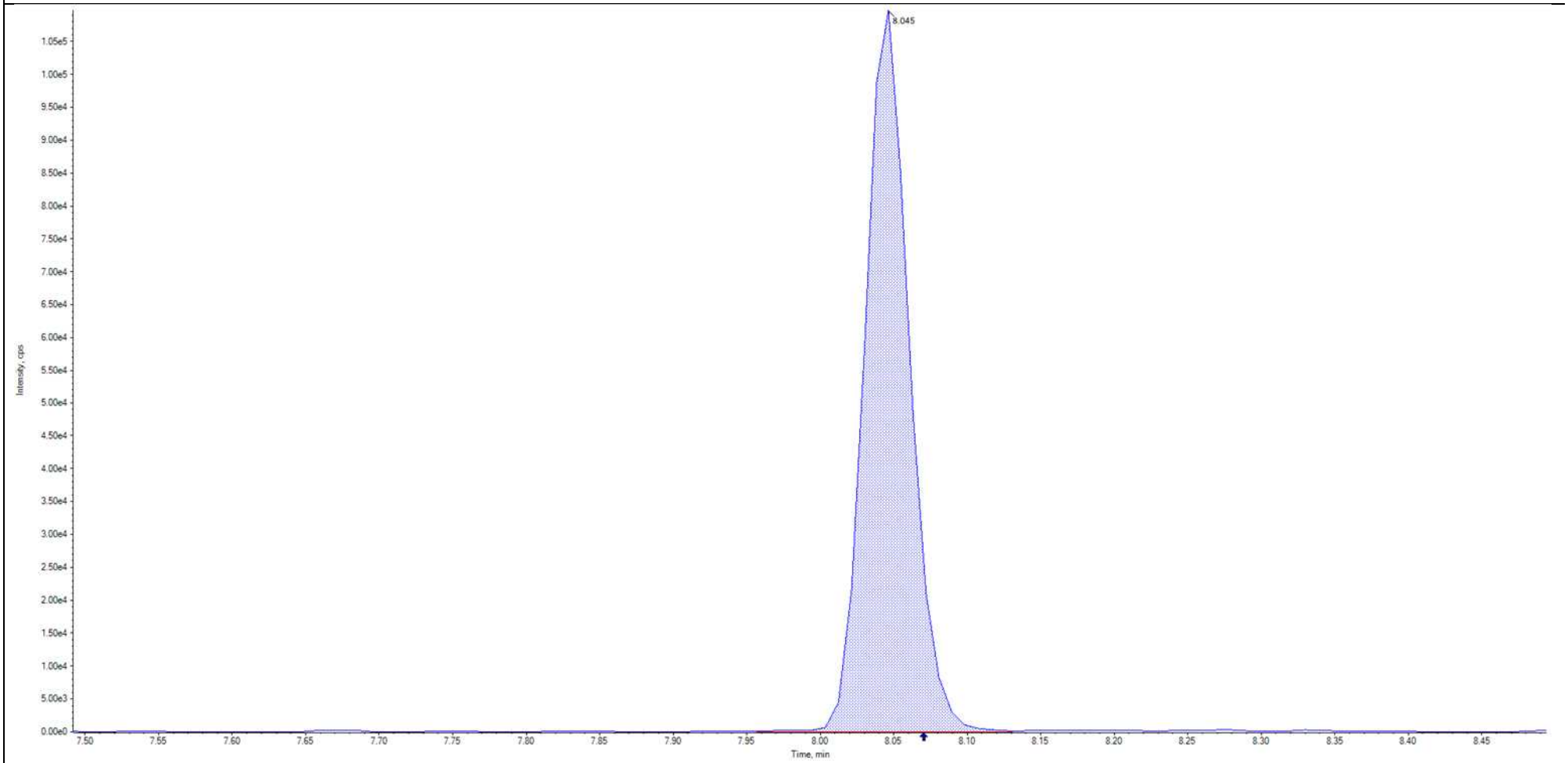

13C8-PFOSA
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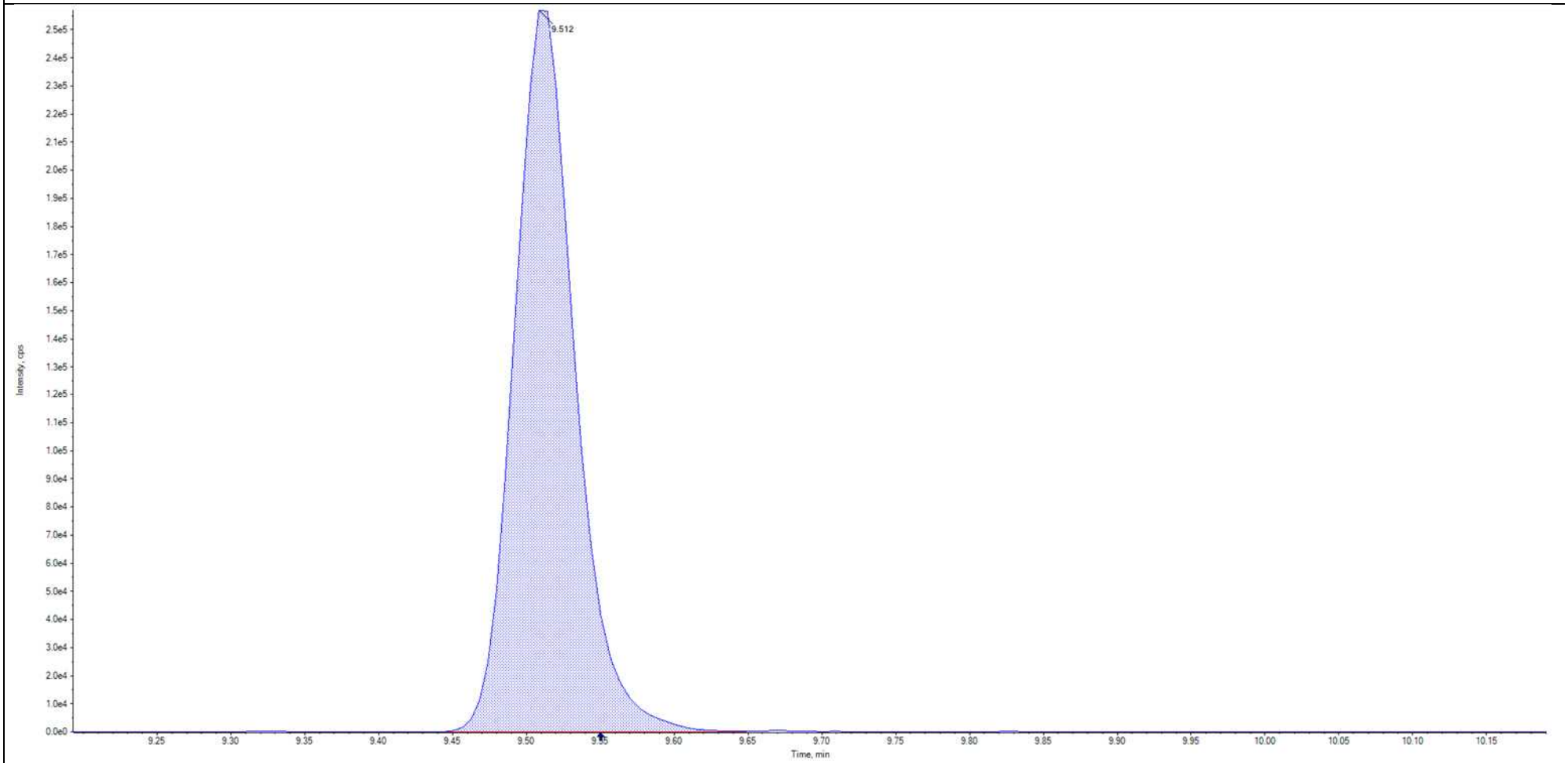

d3-NMeFOSA
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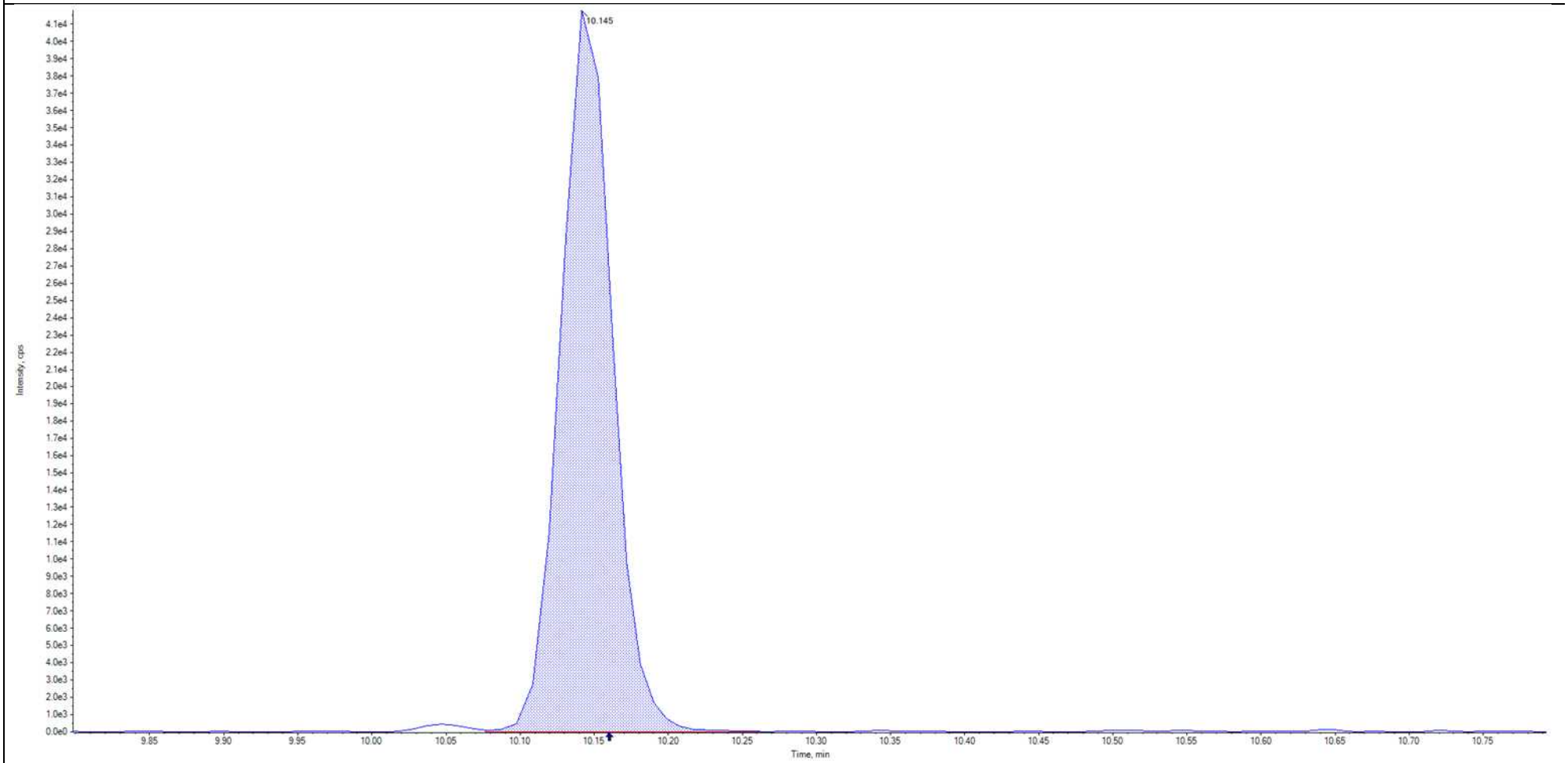

d5-NEtFOSA
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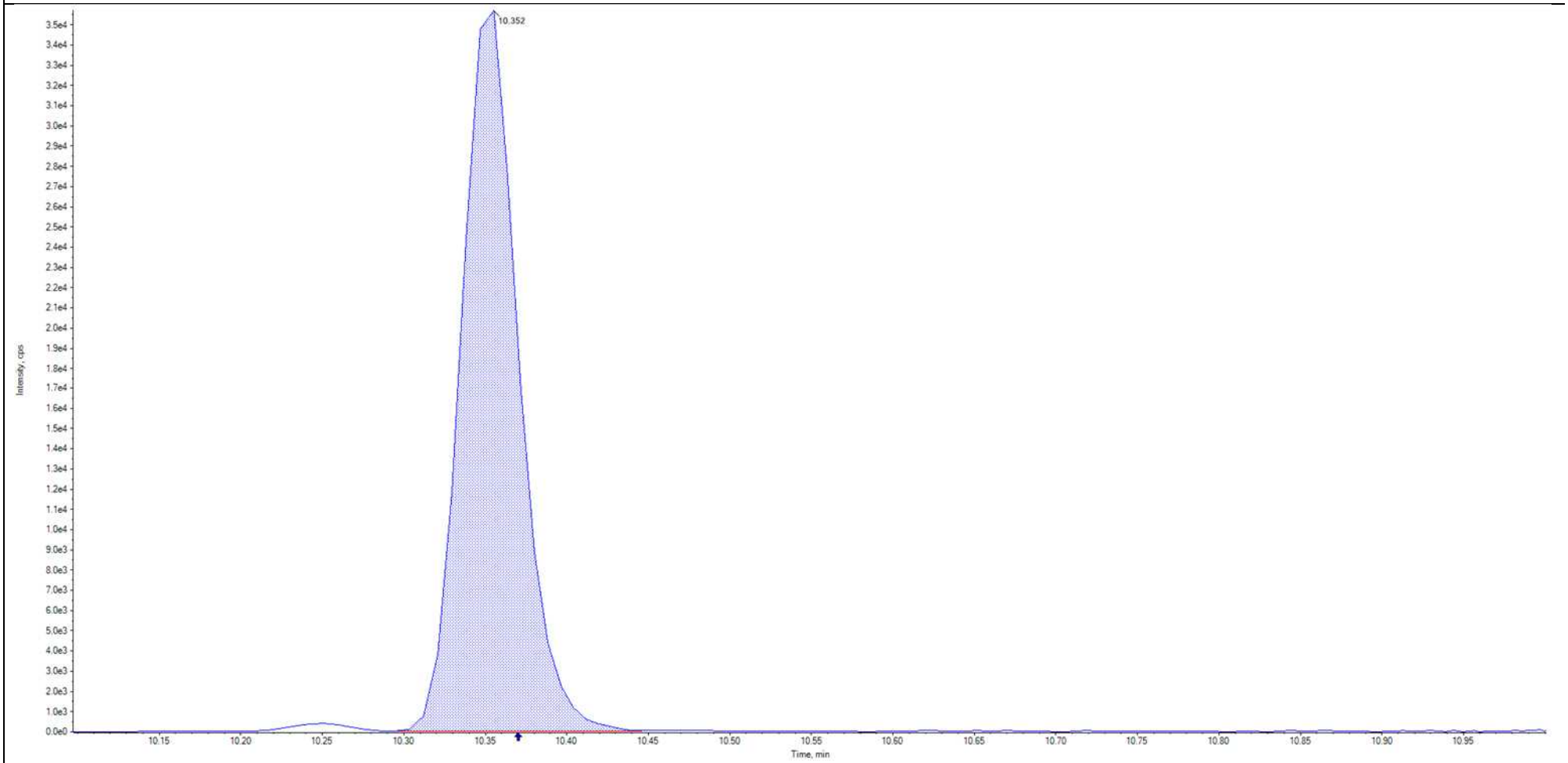

d3-NMeFOSAA
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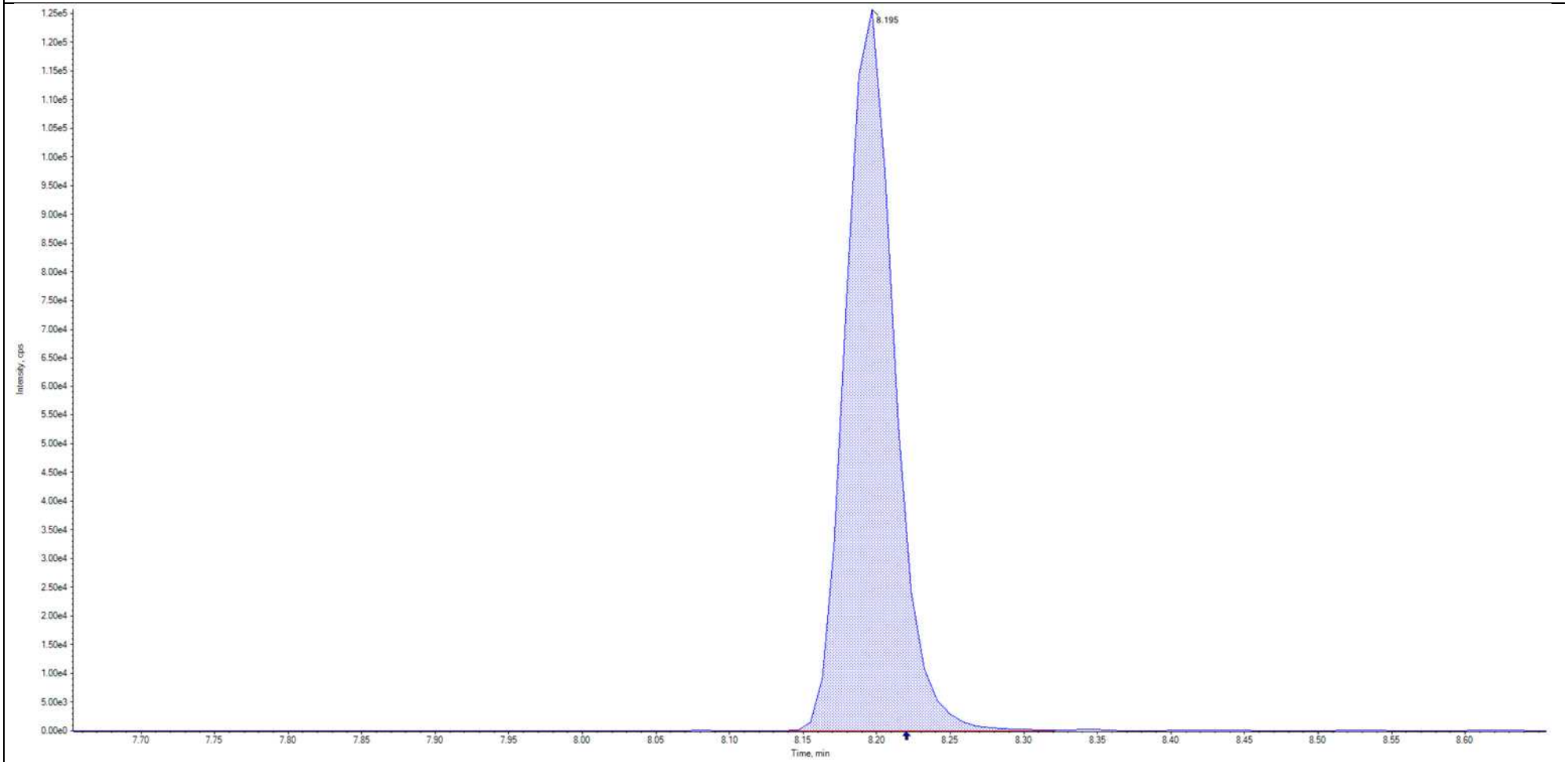

d5-NEtFOSAA
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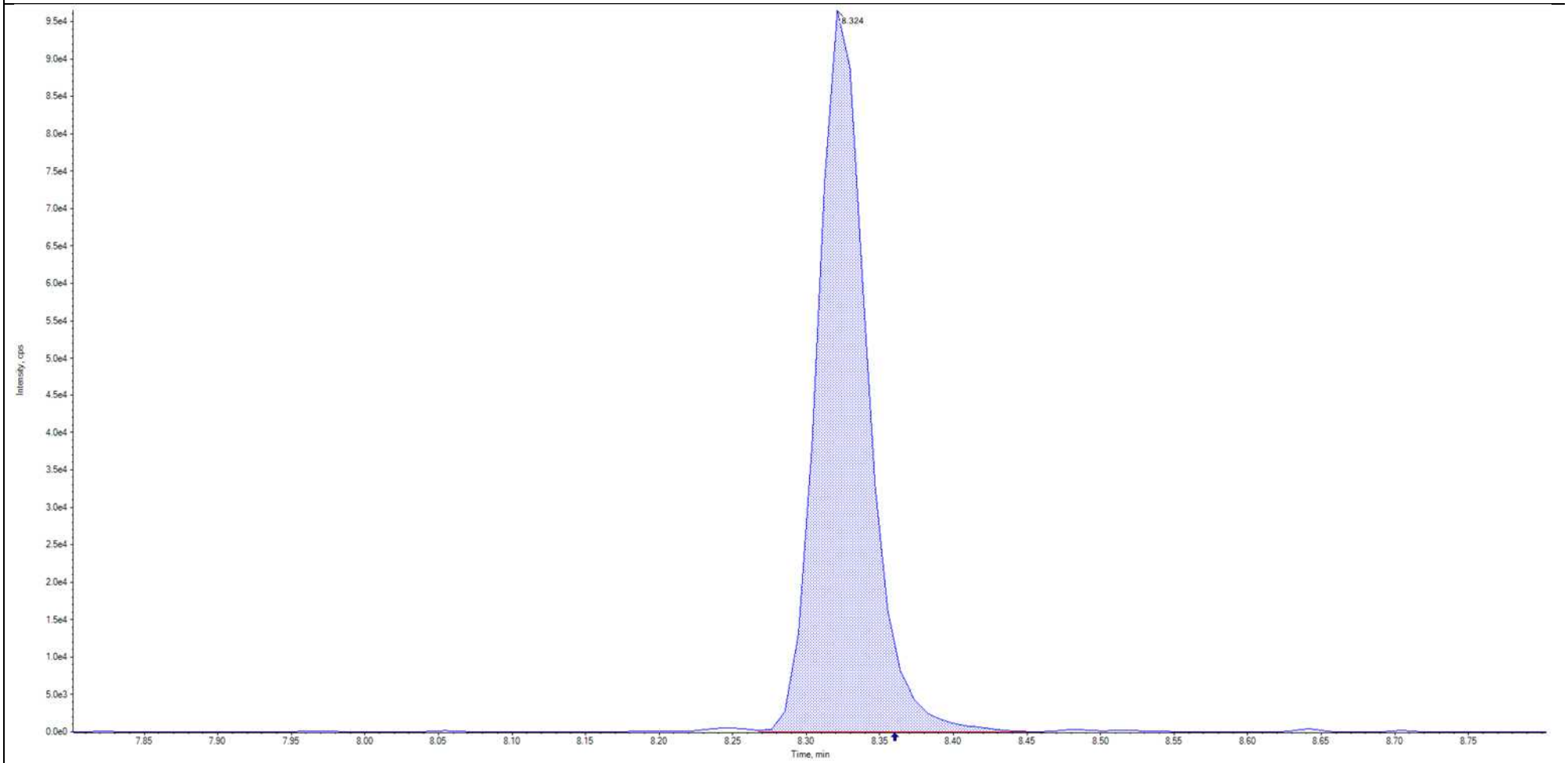
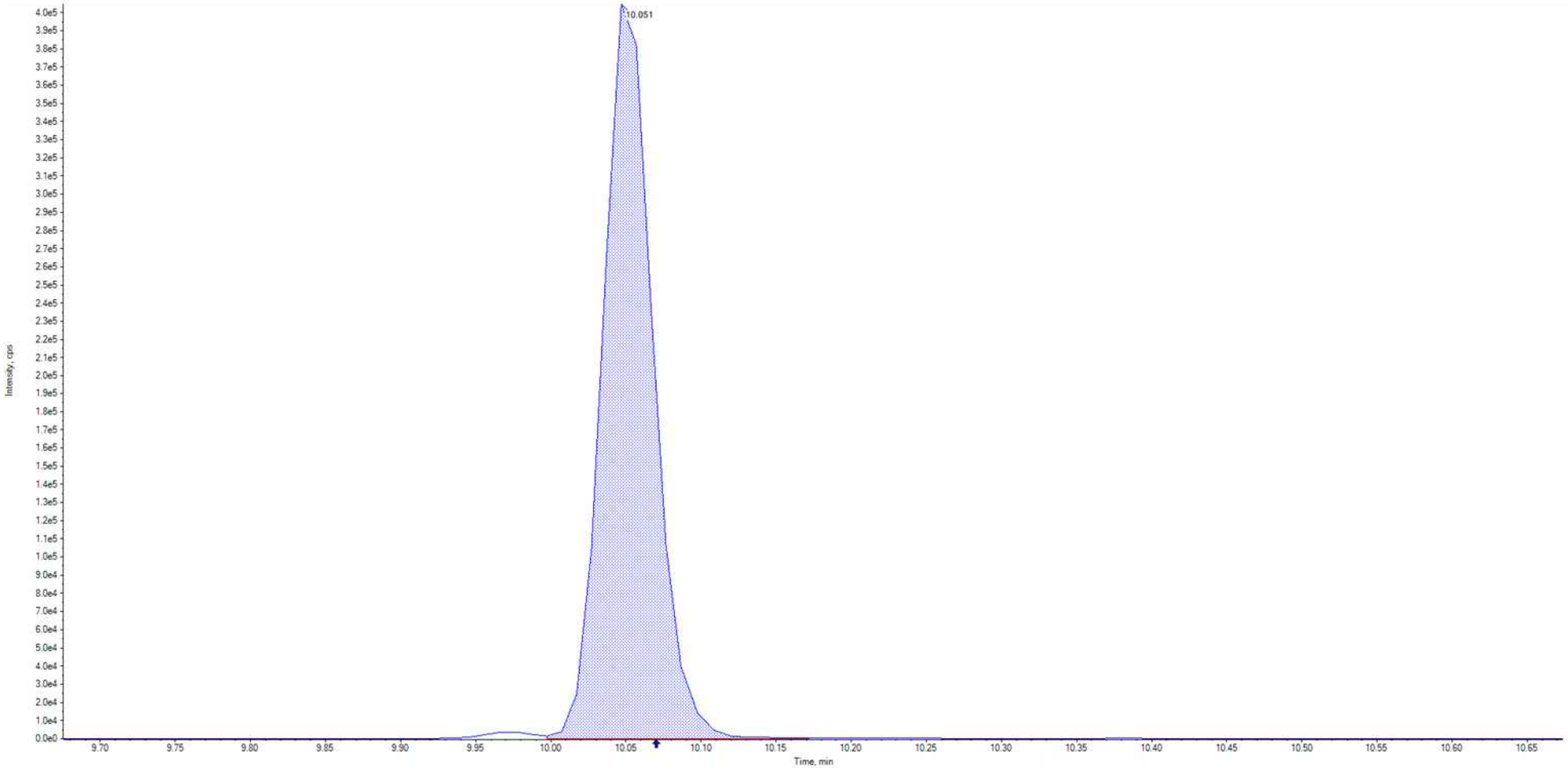


d7-NMeFOSE
Sample: L2447503-11



d9-NEtFOSE
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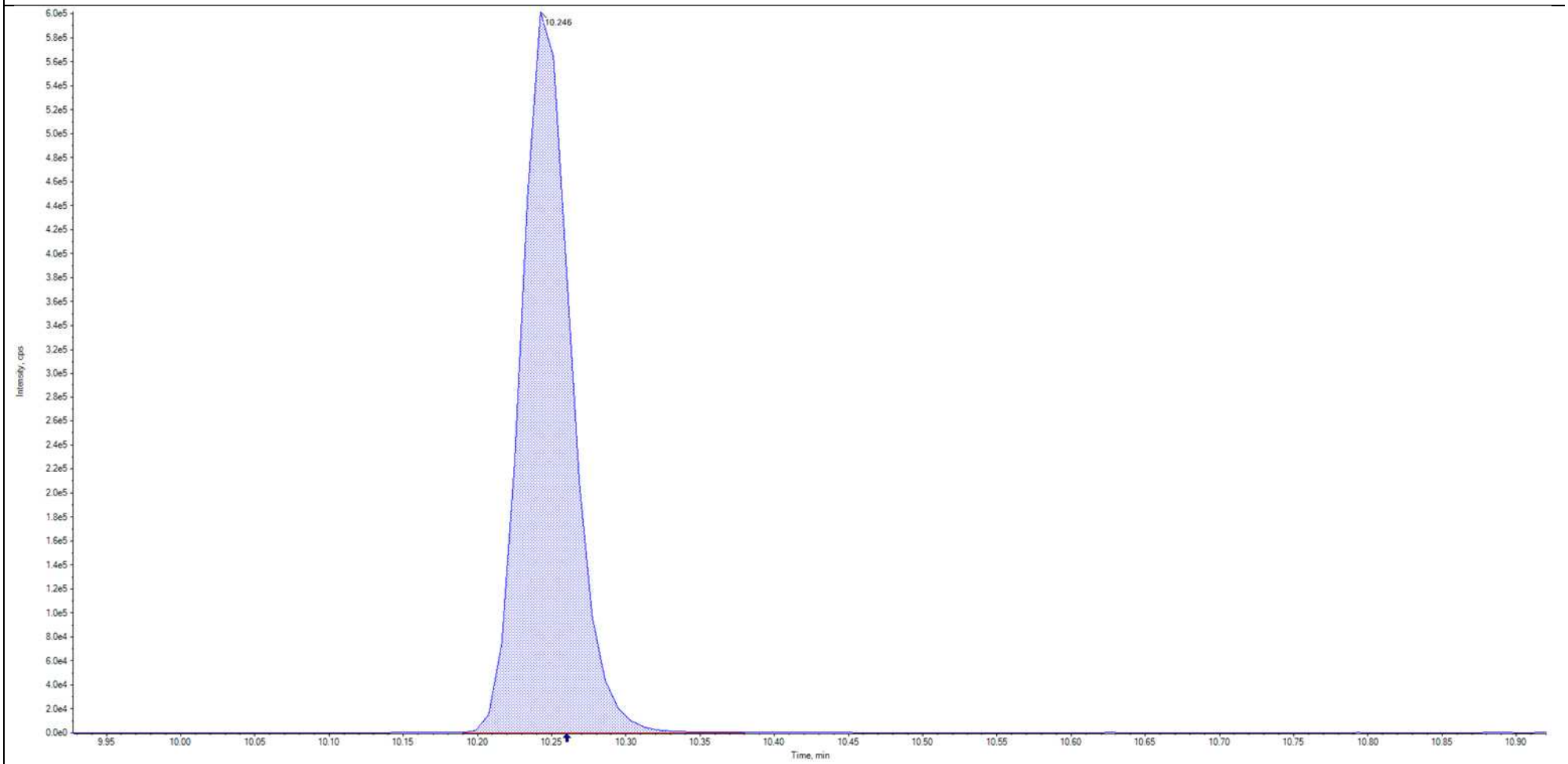

13C3-HFPO-DA
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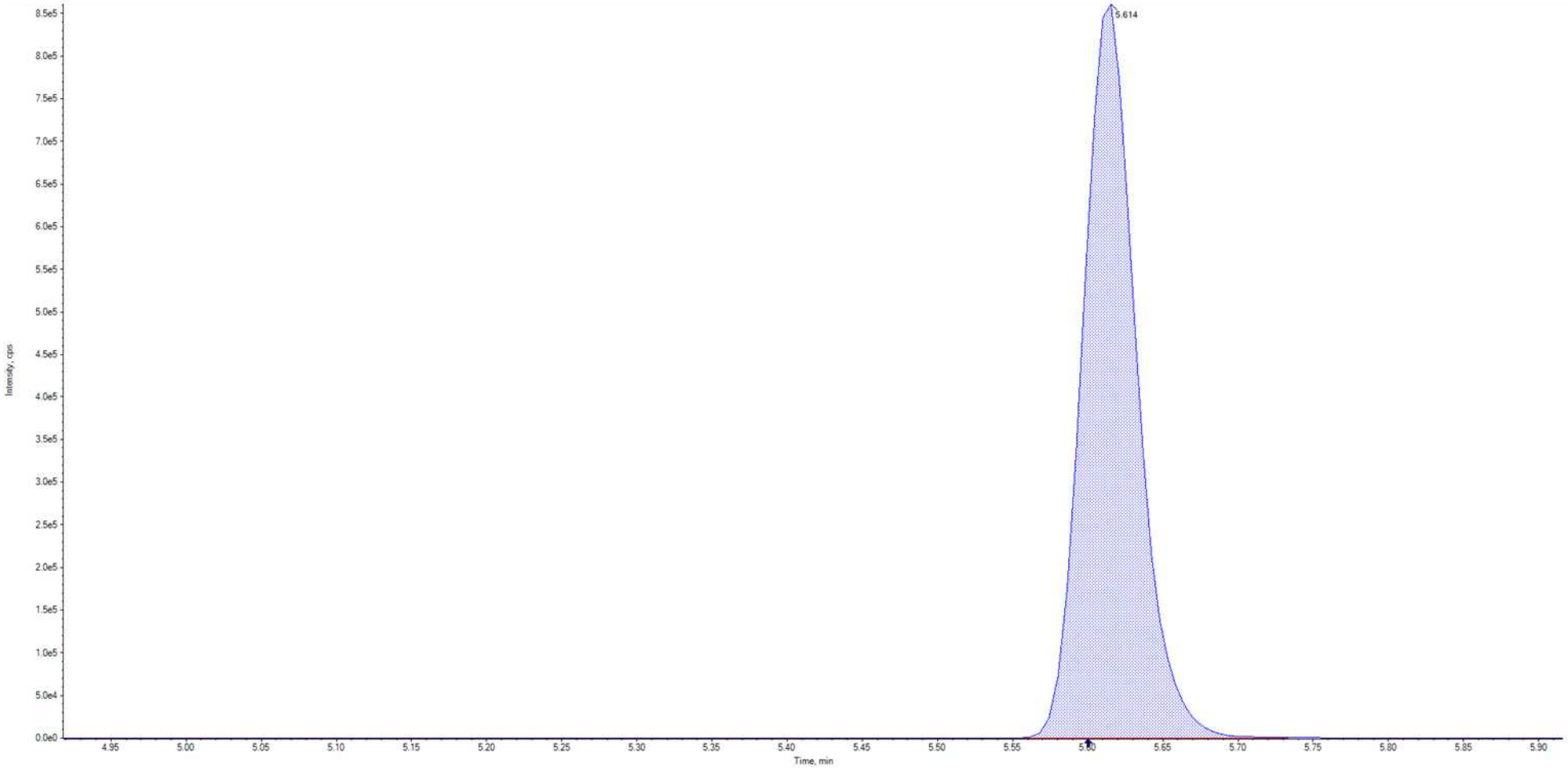
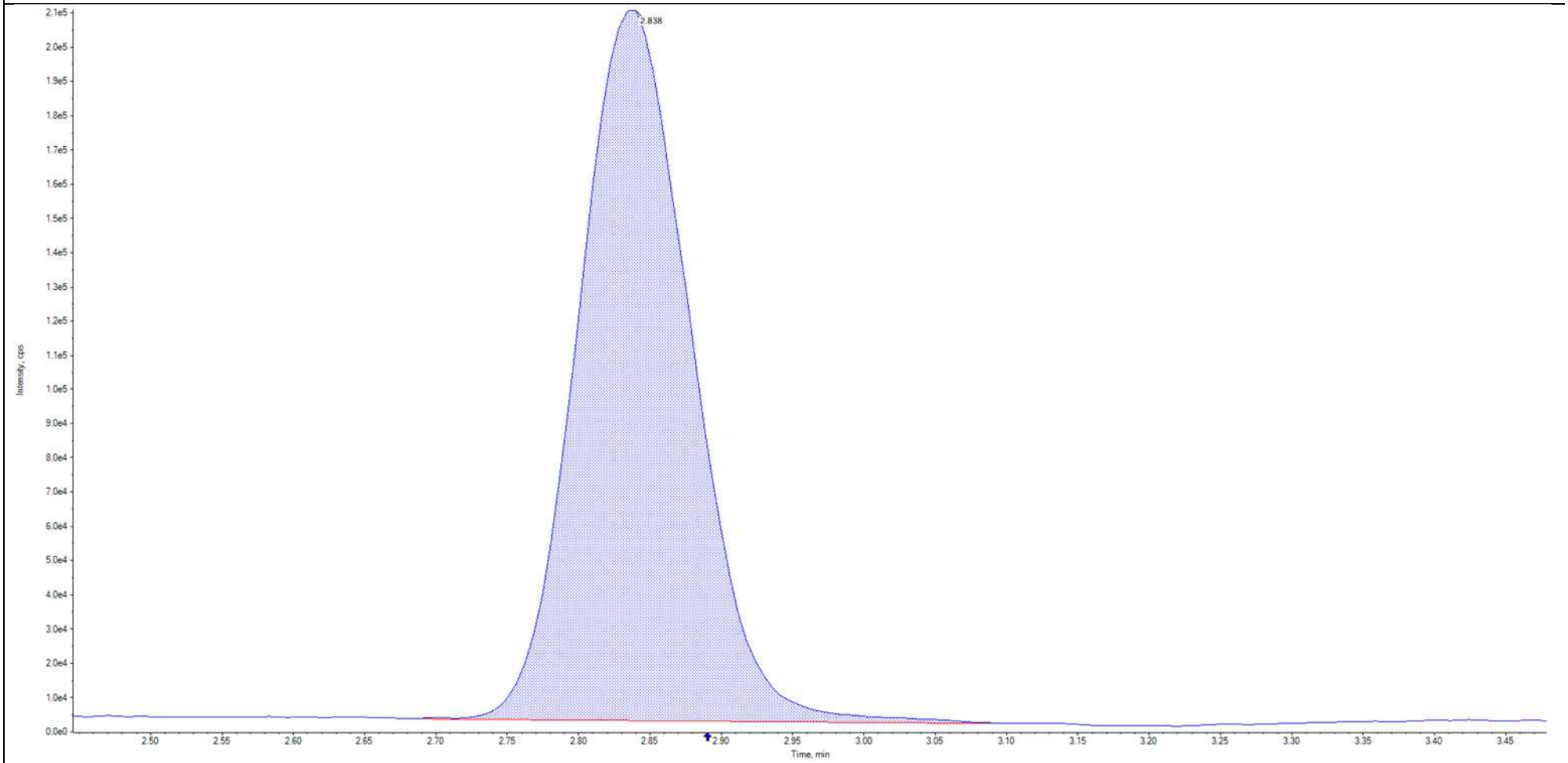


13C3-PFBA
Sample: L2447503-11



13C2-PFHxA
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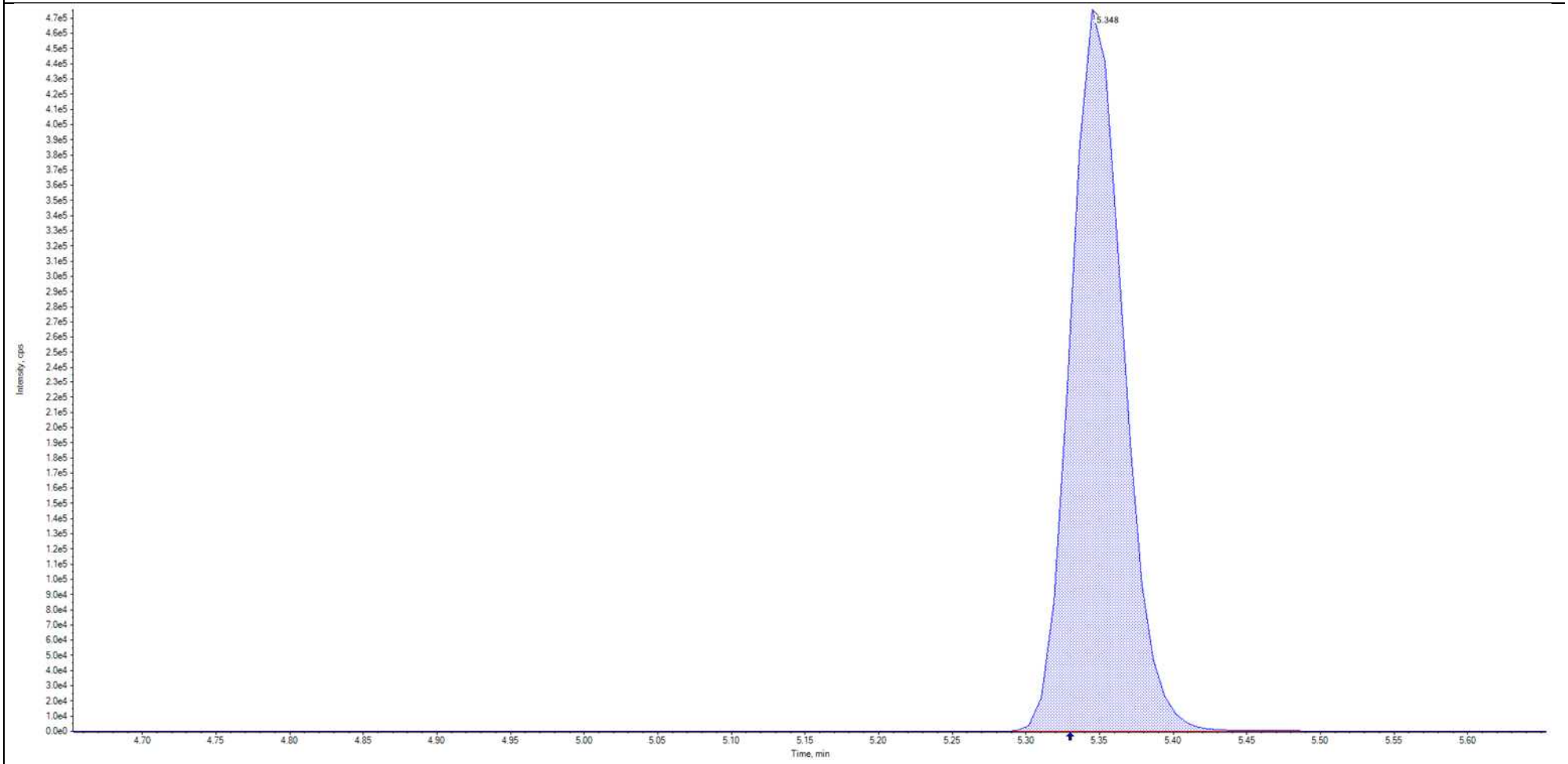
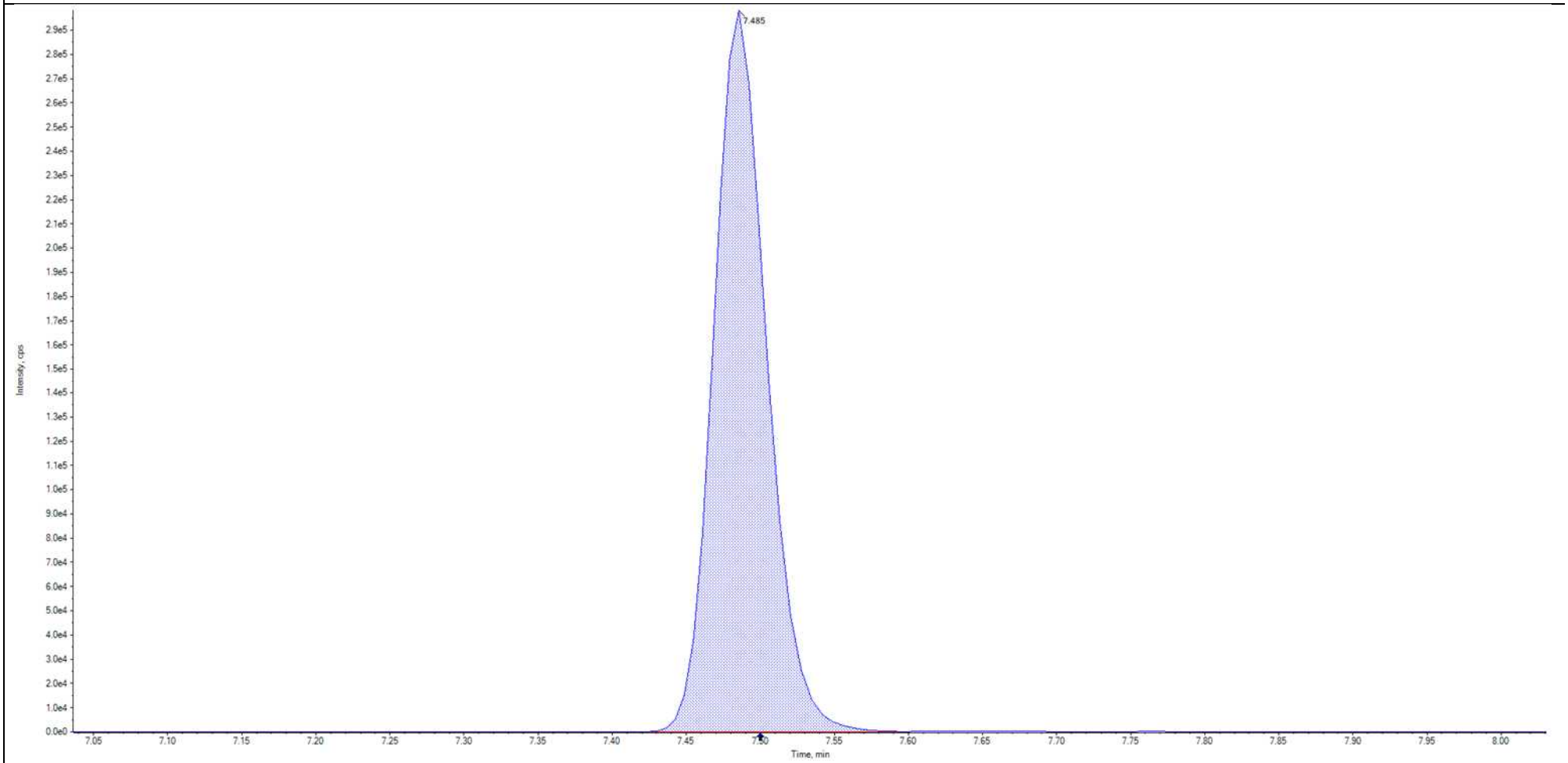


13C4-PFOA
Sample: L2447503-11



13C5-PFNA
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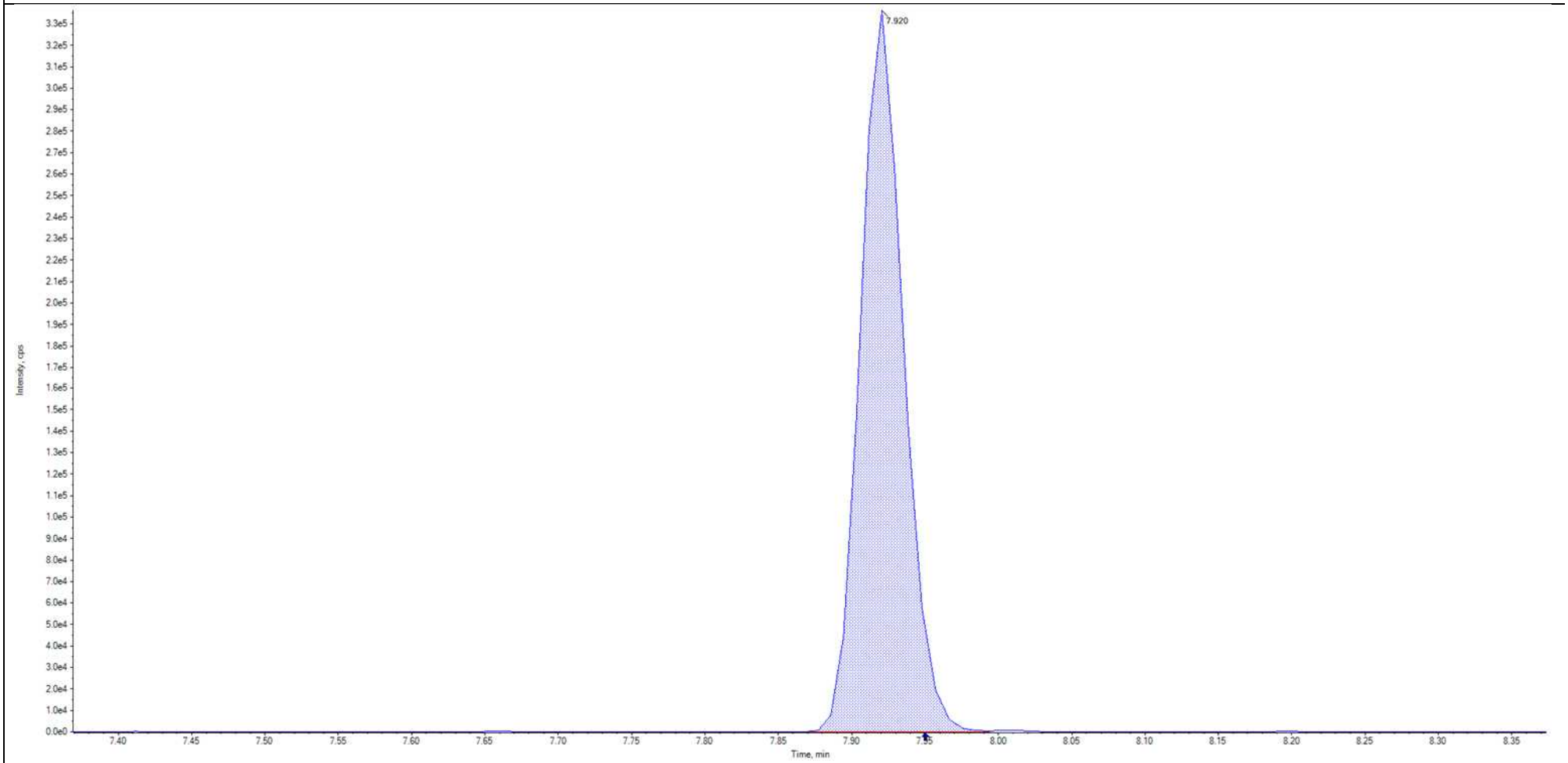

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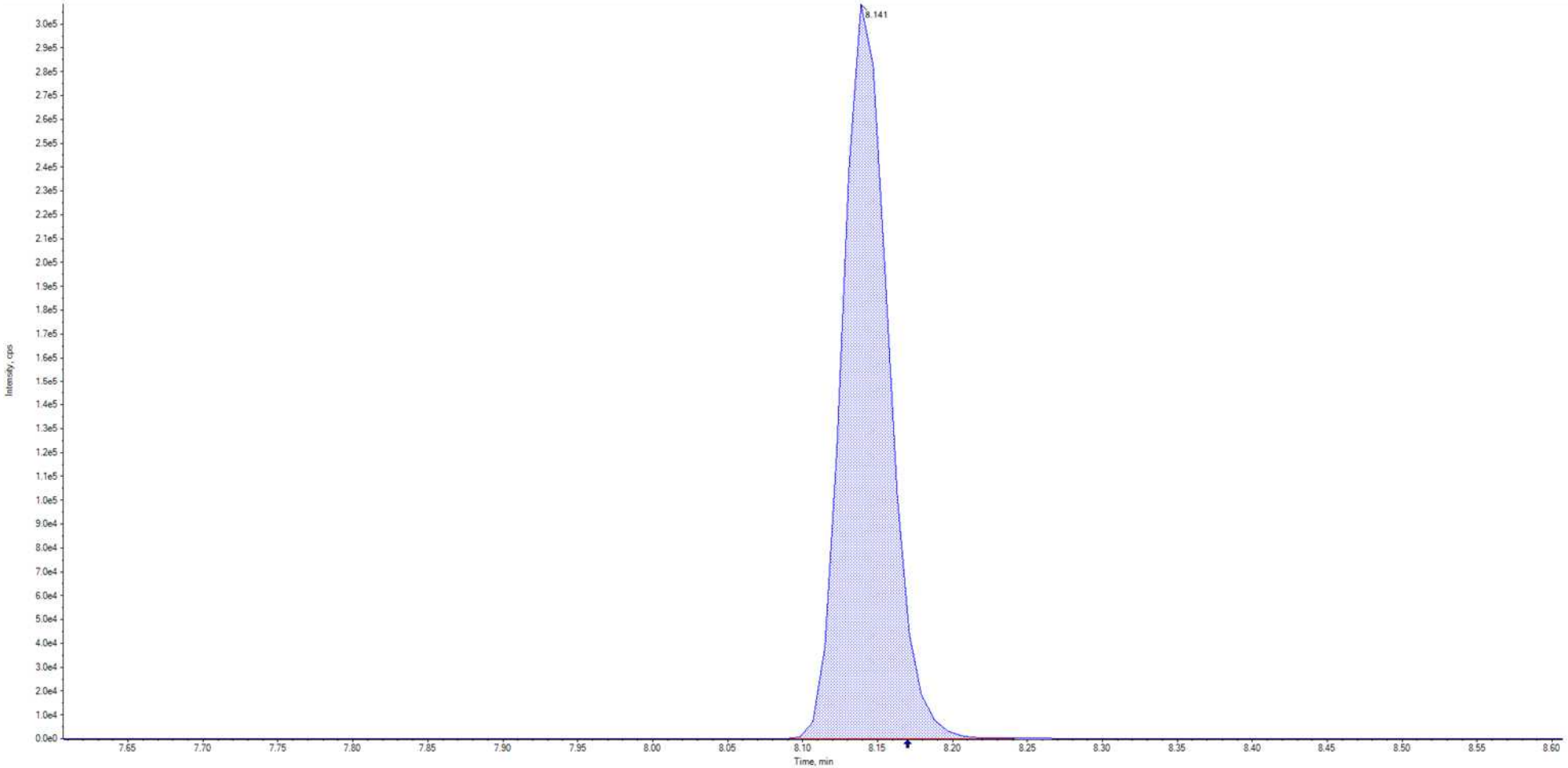

18O2-PFHxS
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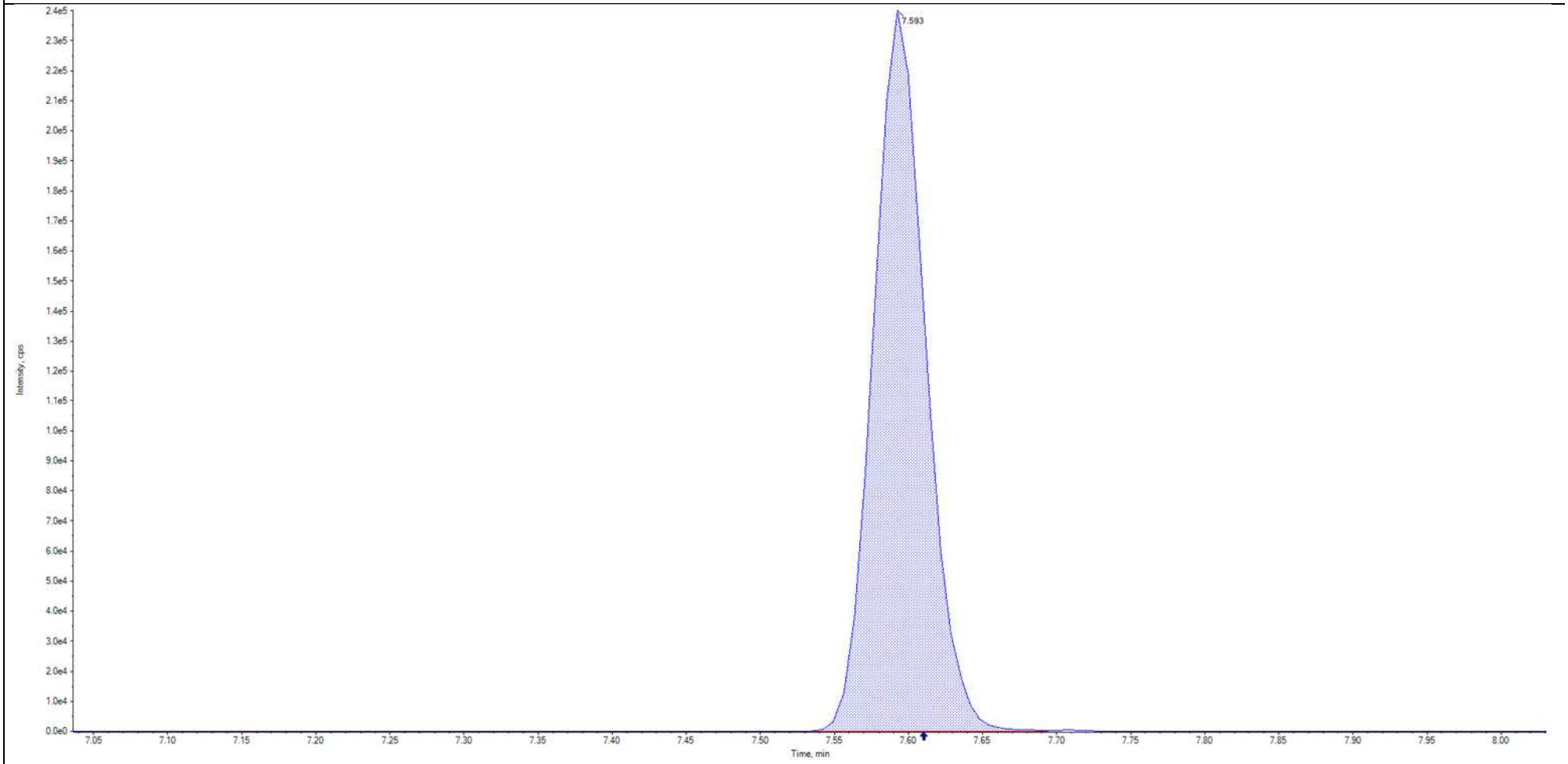

13C4-PFOS
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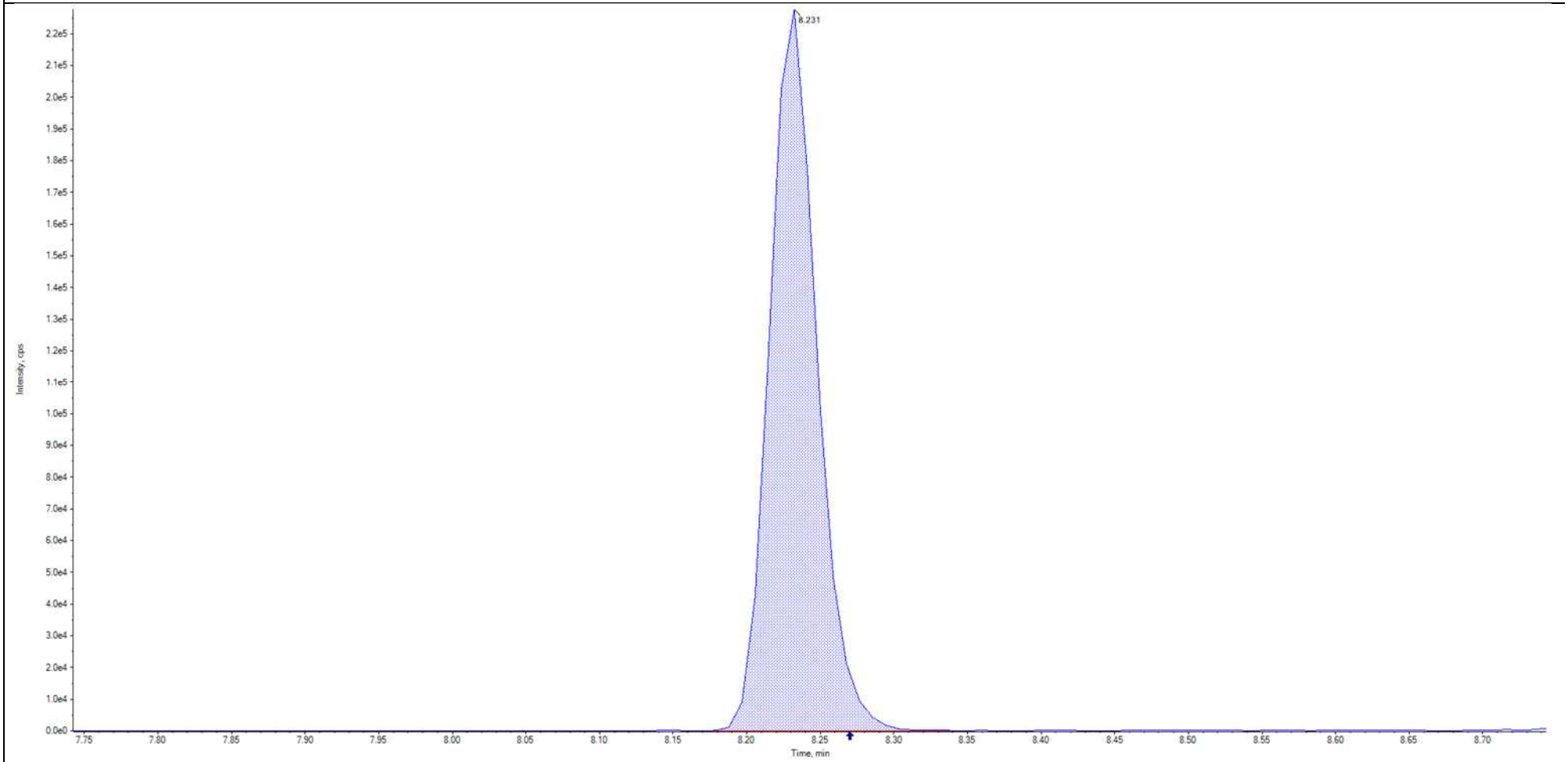

Quantity Sample Summary Report SCIEX OS Version 3.0.0.3339
Alpha Analytical Inc.
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